

정부간해양학위원회(IOC)

제 45차 집행이사회

UNESCO / IOC 45th Session of the Executive Council

2012. 6. 27. ~ 29, 프랑스 파리

참가보고서

2012. 11.

외교통상부, 국토해양부, 국립해양조사원,
기상청, 국립수산과학원, 한국해양과학기술원

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I 개요

□ 회의명칭 : 유네스코 정부간해양학위원회 제45차 집행이사회

□ 회의기간 : 2012. 6. 25(월)~28(목)

□ 회의장소 : 프랑스 파리 유네스코본부

□ 주최기관 : UNESCO/IOC

□ 대표구성

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□ 주요의제

○ 중기(2014-2021)전략(안)

○ Rio+20 이행방안

○ IOC사업 기술지원센터 설립규정 개정

○ 해양과학거버넌스(정부간 해양관측, 해양서비스 조정)의 필요성

○ 해양자료포털센터 러시아 Obninsk 신설(안)

○ ABE-LOS실적평가 및 추진방향

○ IOC결의안 작성요령 6차 개정(안)

I. 기본훈령

1. 금번 제45차 집행이사회 회기중 지난 44차 집행이사회 결의내역의 집행 결과 및 경과를 면밀히 점검하고 IOC 예산계획, 해양과학 프로그램 추진방안, IOC 중기발전전략, RIO+20 후속조치, 지속가능한 해양관측 및 서비스 제공, UN해양법 전문가 회의결과 등을 주요 의제로 다루게 되므로 국제동향을 면밀히 파악하여 우리나라 관련 정책수립에 반영·참고가 될 수 있도록 할 것
2. 우리나라는 제17차 총회('93)이후 금년까지 10회 연속 집행이사국으로 활동 중이며, 특히 지난 제24차 총회에서 의장국으로 당선된바, 금번 집행이사회에서 우리나라의 역할이 증대될 것을 감안하여, 대표단은 각 의제별로 아국의 입장을 표명하고 관련 활동을 발표하는 등 회의에 적극적으로 참여할 것.
3. 특히 금번 집행이사회의 핵심안건인 지속가능한 운용해양학(JCOMM, GOOS, WCRP 등) 거버넌스 수립에 관해서 관계당국의 면밀한 검토와 적극적 참여의사를 개진할 것
4. 2011년 UNESCO 총회 시 팔레스타인 가입에 반발한 미국 등의 재정지원 유보방침에 따라, IOC 역시 재정적 어려움에 봉착하여 인건비를 제외한 사업비의 77%가 삭감된 상태이며 이에 대한 대처 방안이 논의될 예정임에 따라 아국은 재정지원 기여방안을 적극 모색한다는 원칙적인 입장을 견지할 것
5. 금번회의에서 한국의 지원으로 추진된 IOCAFRICA Sub-Commission 설립, 제9차 WESTPAC총회 개최, IOC/PICES/ICES 공동 기후변화 심포지움 개최, 제4차 JCOMM총회 개최 등이 언급될 것으로 예상되므로, 이에 대한 한국의 기여를 적극 홍보할 것.

6. 2012년 여수 EXPO 가 성황리에 개최되어 진행 중임을 홍보하고 동 행사가 성공적으로 종료될 수 있도록 회원국의 참여와 협조를 요청할 것.
7. 특히 동 회의에서 독도 영유권 및 동해표기가 문제되는 경우 반드시 본부에 청훈하여 대처할 것.
8. 본 훈령에 상술되지 않은 경미한 사안은 수석대표 재량으로 대처하고 중대 사안에 대해서는 본부에 청훈하여 대처할 것.
9. 대표는 회의종료 후 30일 이내에 결과보고서를 제출할 것.

II. 세부훈령

의제 3 : 제44차 집행이사회이후 경과보고

- 의장의 IOC 현황 보고와 사무총장의 사업 및 예산 집행 등에 대한 보고를 받게 되는 바, 전차 총회에서 결의된 사항과 이에 대한 집행내역을 검토하고 관련 자료를 수집하여 의제별 토의 및 의사 결정시 활용할 것.
- 특히 IOC의 아프리카지역위원회 개설, 제 9차 WESTPAC총회 개최, 제 4차 JCOMM총회 개최에 있어 아국이 기여한 바를 적절히 홍보할 것.

의제 4 : 기구운용관련 안건

의제 4.2 : 지속가능한 운용해양학 거버넌스

- JCOMM, GOOS, WCRP 등과 관련한 대표단원은 회원국의 동향을 파악하고 아국 입장을 제시할 것
- IOC의 장기전략 수립과 관련해서는 우리나라가 집행이사국 겸 의장국인 점을 감안하여 적극적으로 참여하여 IOC가 국제사회에서 해양부문 중추적 역할을 수행할 수 있는 방안, 회원국들에게 의무를 부여하는 협약제정 등으로 기구 권한을 강화할 수 있는 전략이 마련될 수 있도록 적극 노력할 것

의제 4.3 : IOC 매뉴얼 개정

- IOC 지역사무소 설치 및 운영방안 개정을 파악하여 아국의 입장을 개선하고 개정사항은 우리나라 관련학자들에게 전파하며 우리나라 관련 정책수립에 참고가 될 수 있도록 할 것

의제 4.4 : 과학자문단장 보고

- IOC 중장기계획과 IOC 연안역통합관리계획, IOC의 Rio+20 결의안 반영결과를 파악하고 해양의 역할이 강조될 수 있는 방안에 대하여 적극 토의하고 이와 관련한 주요내용을 보고할 것

의제 5 : 일반행정사항

의제 5.3 : IOC재정위기 타개책

- 2011년 팔레스타인의 UNESCO가입에 반발하여 미국 등이 회비 납부를 중단한 이후 IOC가 재정적 어려움을 토로하고 있는바 아국은 이에 대해 사업비 감액이 사무국 인건비에 비해 상대적으로 큰 점을 지적하고 재정지원 기여방안을 적극 모색한다는 원칙적인 입장을 견지할 것

기 타 :

- 금번 회의에서 우리나라의 지원으로 개최된 IOC 미래 포럼 결과가 발표될 예정인바, 대표단은 향후 주요 지역별 현안사항에 대한 포럼을 IOC 의장 주관 사업으로 지속적으로 지원할 계획임을 표명할 것

1. 개회

- 변상경 의장: 2012년 6월 25일 오전 10시, Room IV에서 절차규정 2(2)에 따라 제 45차 집행이사회를 개최함(일본 동경대 테라자키 교수 등 지난 한 해동안 타계한 해양학자들을 기리는 1분간의 묵념).

2. 1 의제 채택

- 집행이사회는 포르투갈 제안에 따라 의제 4.2에 Future of IOC를 포함하기로 하고 동 의제 제목을 수정 후 제안된 의제를 채택하였음.

2. 2 서기 지정

- IOC 제3그룹장, 브라질 Frederico Antonio Saraiva Nogueire를 서기로 지정함.

2. 3. 회기내 위원회

○ 재정위원회 (Financial Committee)

위원장 : Peter Haugan (노르웨이)

위원국 : 호주, 브라질, 캐나다, 프랑스, 인도, 일본, 케냐, 말레이시아, 멕시코, 남아공, 중국, 미국, 이집트, 에콰도르, 터키, 포르투갈, 탄자니아, 태국, 한국, 나이지리아, 러시아, 영국, 독일, 벨기에, 칠레(Room VII)

○ Operational Oceanography WG

위원장 : Capt. Frederico Antonio Saraiva Nogueire(브라질)

위원국 : 영국, 중국, 콜롬비아, 일본, 이집트, 스페인, 에콰도르, 미국, 남아공, 한국, 멕시코, 노르웨이, 페루, 포르투갈, 태국, 튀니지, 터키, 러시아, 아르헨티나, 호주, 벨기에, 칠레, 캐나다, 카메룬, 불가리아, 브라질, 인도네시아, 프랑스, 말레이시아, 인도, 쿠웨이트, 일본, 콜롬비아, 유로 GOOS (Room VI)

○ 결의안 기초위원회

구성하지 않음 (금번 회의부터 결의문을 안전별로 즉시 기초하기로 함)

2.4 일정 및 회의문서 채택

- 금번 회의가 예년보다 짧은 일정이어서 발언을 6분 이내로 제한함.

3.1 현 의장 피선(2011총회)이후 경과보고

- IOCAFRICA 설립 지원, 제9차 IOC/WESTPAC 총회 개최, 여수 EXPO 기간 중 개최된 IOC/PICES/ICES 기후변화 심포지움, 제4차 JCOMM 총회, 전임 IOC 의장 초청 “Future of IOC 포럼”, 동구권 국가 초청 포럼 등 한국의 지원으로 수행
- 포르투갈, 말레이시아, 중국, 남아공 등은 지난 회기간 의장의 노력과 특히 한국의 지원으로 수행된 활동에 대해 감사의 뜻을 표하였음.
- 한국발언: 회원국 간 네트워킹을 통해 협력을 강화해온 의장의 지도력을 높이 평가하고, 특히 지난 2월 불가리아에서 개최된 동구권 국가 간 협력 네트워크 구축을 위한 포럼이 한국의 지원 하에 성공리에 개최되었으며 향후 다른 지역 대상으로 한 협력 네트워크 구축을 위한 포럼을 계속 지원할 계획임을 밝혔음.

3.2 사무국장 실적/경과 보고

개요:

여수EXPO, UN Regular Process, 해양법자문그룹(ABE -LOS), 운용해양학을 위한 IOC 미래계획, UN Oceans, Rio+20 등 지난 회기 간 IOC 사무국이 수행한 활동상황을 발표하였음. 또한 2013년 11월로 종료되는 사무총장의 임기를 감안하여 신임 사무총장 선임을 위한 일정계획을 발표하였음.

이에 대한 한국발언:

난관속에서 과업수행에 진력해온 노력을 치하함. IOCAFRICA Sub-Commission 이 자생할 수 있도록 IOC 우선순위를 높여줄 것을 요청. 한국이 여수사업과 ODA사업 통해 계속 지원할 계획임을 알림. 여수EXPO가 IOC와의 공동협력을 통해 성공리에 개최되었음을 보고. 폐막행사로 반기문 UN사무총장 등 주요인사들이 참석한 가운데 Blue-Green Economy를 주창하는 여수선언이 채택할 예정을 알림. 재정란 극복을 위해 결과 도출을 위한 전략적인 우선순위 설정, 효율적인 감독과 결과평가 등 성공적인 사업 수행을 위한 일련의 방안을 제안

미국, 일본, 중국, 영국 등 주요국 반응:

재정위기 하에서도 계획된 IOC 사업을 수행한 사무총장의 노력과 재정지원을 해준 회원국의 관심과 지원에 감사의 뜻을 포함 (특히 호주, 남아공 등은 한국이

4차 JCOMM 회의 개최, IOCAFRICA 설립 등에 많은 지원을 해준 것에 사의를 포함)

- 총 회원국수: 144개국 (26차 총회 후 Honduras, Kiribati, Montenegro, Saint Kitts, Nevis 가입)
- 인도양 쓰나미경보/피해저감(IOTWS)사업: IOC가 인도양 쓰나미 조기 경보시스템 설립을 허락받은 후 6년...최근 호주가 쓰나미 관련 자문서비스를 개시한 덕에 2012.10~ 본격가동예정
- GOOS: 당초계획대로 60%대 유지 중(전체 시스템 완성률 = 62%) => 재정만 확충 되면 해양관측서비스 증진이 가능하다는 증거
- IOC해양관측/해양과학프로그램은 기후변화연구의 기반으로 UNesco, UNFCCC, SIDS의 기후변화 대응에 공헌
- MSP접근법, 방법론, tool: 여러 분야에서 인정
- UNesco정책에 부응하여 아프리카지역위원회 개설
- 지속가능한 바다를 위한 청사진: Rio+20에서 해양측면을 강조하는 UN사무총장에 부응하여 input(청록색성장, 국제해양거버넌스, 국제기구間공조, intersectional coordination)제공
- 2010 - 2011중 재정난 극복위하여 내부조정, 효율성제고, 소통제고, 산하단위 지배구조 합리화 진행 중(행정실 설치와 자금운영계획재검토로 공통운영부문에서 비용절감 기대):
 - 사무국임직원 휴대전화사용료청구서 검토
 - 정규사업에 직급별 계약 동결
 - 정규사업 출장비용 10%이내 동결
- 2010~2011간 회비외적재원 1천만불 획득(회비재원 교부금 규모와 비슷)
- 제26차 총회 Decision 4.7(응용해양학 기술보고서 작성제출)과 관련(IOC 의장의 리더쉽과 한국정부의 재정지원으로) 응용해양학의 정의를 내고 IOC의 역할을 정립함 (이를 위한 제도적 기반 필요).
- 제26차총회 Resolution XXVi-4(UN해양법IOC자문단 재구성) 관련하여, Adoté Blim Blivi를 책임자로 지정하고 설문조사결과 분석(회원국 관심분야 파악, 우선순위부여 mechanism 제시
- 제26차총회 Decision 8.1(OSS차세대MTS 및 우선순위부여)관련, OSS자문그룹 재결성: TOR작성/멤버 확충한 후 OSS방향/우선순위, 해양학계에 대한 더 넓은 시각, OSS 효율개선 착수
- UN-Oceans 참여 및 지원
- '국제극지협력이니셔티브[Jan-Gunnar Winther(Norway), David Hik(Canada), AMAP,

APECS, EPB-ESF, IASC, IASSA, ICSU, IOC, SCAR, WMO, UoA, UNEP]: polar process가 지구에 미치는 영향과약, 회원국정책반영계획수립, 효율성을 위한 협력과 자원공유 등 수행예정 (향후 IPI Concept Note가 심화·발전되면 국제협력활성화 기대, IPI steering group은 2015-2017년도에 극지협동Framework Agreement조인 등 1단계 완료예정)

- Resolution XXVI-5에 따라, Rio+20에 “IOC’s Special Contribution to Sustainable Development”성명서(Zero Draft of Outcome Document에 대한 자문서) 제출
- Rio+20 참여
 - 해양산성화, UNRP위한 해양관측의 중요성, 역량강화 거버넌스의 중요성 설명
 - ‘지속가능한 바다위한 청사진’(영어, 불어, 스페인어, 한국어, 아랍어) 제공
 - 해양 정책당국에 사태의 심각성을 알리기 위해 해양관련 side event기획
 - 해양의 날 기념 ‘Advancing Oceans, Coasts and Island States at Rio+20 and beyond’행사 GOF와 공동주최 예정
- NOC설치운용(사무국장 관심사항)위한 협의(2011.6.23 & 28)결과, NOC의 구성요소, 임무, 업적, 애로사항에 관해 설문조사 실시...22개국 응답 (분석결과는 2013년 27차 총회에서 공개)

□ 최우선과제1: 해양재난피해저감

- IOTWS 지역쓰나미 경보서비스 (RTSP, 2011.10.12착수)는 IOC 6개년 계획과 국제협력의 상징으로서, 호주, 인도, 인도네시아의 RTSP는 이제 인도양 접안국 쓰나미 경보센터에 조기경보 제공 중
- 2012.4.11, ocean-wide bulletin 개시
- 태평양쓰나미경보센터+일본기상청의 Interim Advisory Service, 2012말까지
- 북동대서양(+지중해)쓰나미경보시스템 정부간조정그룹 8차회의 (스페인 Santander, 2011.11.22 - 24)에서는 프랑스, 그리스, 이탈리아, 포르투갈, 터키가 국내쓰나미경보센터 운영을 예고. ICG 31개국 쓰나미경보Focal Point를 포함하는 communication test exercise (2011년 8월)에 힘입어 2012-4분기부터 시스템상태 및 회원국준비상태 점검훈련 (NEAMWave12)실시예정
- 카리브해 쓰나미경보시스템 정부간조정그룹7차회의 (2012.4.2-6): 2009년에 19개 이던 쓰나미관측소가 2012.4월에는 38개로 늘었고 100개 지진관측소가 실시간으로 쓰나미자료를 제공중임이 보고...서대서양도 포함하기 위해 집행이사회에 CARIBE-EWS대상해역 확대요청
- Pacific Wave 2011 Exercise (PacWave11 since 2006, 세계최대국제경보/커뮤니케이션훈련)에 39개국이 2011년 11월 9일부터 10일까지 참여 (피지, 사모아 등에선

지역대피훈련까지 실시)

- 쓰나미SOP훈련: Nicaragua, Chile, Haiti, Peru에서 시행
- 태평양쓰나미정보시스템은 요즘 새로운 쓰나미정보도구 (각국의 threat level 을 보여주는 지도) 개발중 - basin-wide exercise PacWave11의 일환
- IOTWS: 경계의식제고위해 자카르타 쓰나미 정보센터 (JTIC)의 outreach, preparedness and training 프로그램과 연계해 교육자료 지속개발 및 정보확산 우수사례집 준비 중
- IOTWS는 국별쓰나미정보센터 사무소와 SOP(incl. 미디어훈련모듈) 개발WS 실시
- DIPECHO 관련브로셔(20종과 학교용 행동매뉴얼)은 국제쓰나미정보센터와 자카르타쓰나미정보센터에 번역제공 (Ecuador, Colombia, Chile, Peru, Nicaragua, Haiti, 인도네시아, Philippines)
- 중남미대상 NEOWAVE 훈련 (2011년 11월에 칠레)
- 카리브해 대상 ComMIT (2011.10, 프랑스 과달라페)
- IOC-NOAA공동 시범사업인 영국Anguilla는 미국을 제외하면 최초의 쓰나미대비체제 우수마을®로 공인됨
- EC가 지원하는 북동대서양 쓰나미 정보센터는 쓰나미 교육자료(포스터, 그림책/퍼즐, 호텔대피 가이드라인, 케이스스터디compendium, 우수연안재해대비사례집) 제공.
- 일본대지진이 19,000사상자를 낸 후 많은 post-쓰나미 현장설문, 쓰나미 조기경보시스템에 대한 능률분석 실시...이를 토대로 일본에서는 경보시스템과 쓰나미 준비성을 강화하기 위한 노력이 진행중
- IOC-일본(나루히토황태자)-UN대학 공동 쓰나미 경보정책심포지엄 개최 (교훈을 분석하고, 정책영향을 검토하며, 대비의 중요함을 일깨우고, 대중매체와 국제경보협력 강화 도모): 290명의 물리학자, 사회학자, 경보기술자, 긴급대책매니저/플래너, 기자, 정책당국자 참석
- 연안재난 평가능력 제고: UNESCO긴급지원으로 계획된 인도양/카리브해에 대한 위협평가 실시예정

□ 최우선과제2: 기후변화 대응

- 기후변화에서 바다의 역할에 대한 이해증진위해 WCRP지원계속: 덴버에서 열린 WCRP Open Science 컨퍼런스, Joint Scientific Committee 지역별/성별안배 강화, 해양학적 측면 강화를 요청
- IOCCP: 세계최대 해수면 이산화탄소 정보는 UNESCO해양탄소회의에서 공개

- 2011년 9월 14일

- SOCAT: IOC-SCOR, IOCCP, SOLAS, IMBER 1968년부터 630만건의 관측실시(연구조사선, 상선 활용)한 결과 데이터셋은 Iconic Mauna Loa record 혹은 Keeling curve와 비슷한 해양탄소량 기록 (이는 대기중 이산화탄소 증가의 증거)
- 3차 Ocean in High-CO2 World 심포지움: 해양산성화가 해양생태계, 생지화학순환에 끼치는 영향에 대한 초록 400개, 참가자 300명, (또한, 해양산성화의 사회경제적 영향에 대해서도 다룸)
- 해양관측순환연구 통해 기후예측 발전:
- 26차총회에서 GOOS중요성 강조
 - Resolution XXVI-8 채택,
 - GOOS보강 및 간소화,
 - 프로그램 지표수립,
 - GOOS운영위에게 IOC총회/집행이사회에 보고하도록 요청 (IOC집행이사회의 GOOS관리책임 재확인)
 - GOOS가 해양관측을 아우르는 세계적 시스템 역할하고 UNRP에 기여하도록 결정,
 - I-GOOS와 GOOS 과학운영위원회 통합,
 - 2012.1월부 GOOS 운영위원회 재구성: 최대 15명중 5명은 IOC총회에서 IOC 회원국선거인단에 의해 선출되고 10명이하의 과학기술전문가들은 사무총장이 선출, 2011년 10월 31일 IOC회람2397통해 새로운 GOOS운영위원 임명, 새로운 GOOS운영위원회는 2011년 3월~5월 이메일협의로 업무시작, 집행이사회 직전인 2012년 6월 20~22일 첫 총회(신규변수 포함 및 새로운 요구조건 충족, regional priorities and developing capacity 심의)예정 * 집행이사회 시간제약으로 GOOS보고는 생략함
- JCOMM 운영위 9차 회의: Climate Service체계에 대한 지원고려, 연안재해저감 위한 선행과제, 세계적인 insitu관찰과 수용력 개발에 대해 검토 (JCOMM의 관측 영역과 대내외 insitu관측네트워크는 당초 이행목표의 62% 수준에 정체)
- JCOMM-IODE협력: 데이터관리프로그램Area통해 응용해양학적 데이터포털 개발하여 해양데이터와 메타데이터기준 진일보
- JCOMM의 Services and Forecast System 프로그램Area는 해양관측, 파도/폭풍해일 예측, 해양기상서비스 촉진 (5개의 새로운 Arctic Met area는 2011년 6월부터 가동)
- JCOMM-4: 각 위원회의 프로그램 area에 대한 실적계획 검토승인 (2012년도 Regular 예산 변동때문에, 보통 IOC의 부담이었던 이 총회의 경비는 한국이 부담하였음)
- GLOSS: 기후와 쓰나미 경고용 조석계 네트워킹 실적 검토하고 GLOSS 핵심네트워크 보고데이터 추가개발에 합의

- 미국의 非회비성 공여중단으로 GOOS와 JCOMM담당직원 3명 (OOPC 담당 1인, JCOMMOPS 담당 2인), IOC에서 WMO로 이적하였고 새 OOPC technical coordinator는 2012년 고용되어 제네바에서 근무예정(JCOMM관련 채용동결, 대신 중국이 JCOMM 지원인력 파견)
- 기후변화→해양산성화→식물성 플랑크톤의 먹이인 탄산칼슘 용해→먹이사슬 교란
- 기후변화가 산호초와 물고기들에 미치는 영향: 어류에 대한 생태학적 접근을 통해 멸종 인덱스 개발 프로젝트(INDISEAS) 지원, JCOMM과 함께 기후변화가 물고기에 미치는 영향에 관한 국제워크샵 개최
- 기후변화가 바다에 끼치는 영향에 대한 2nd국제심포지엄(2012.5.15-19, 여수)

□ 최우선과제3: 생태계보호

- UNRP참여
- 2011.12, GEF Transboundary Water Assessment프로그램(TWAP) 승인: 2014년까지의 해양환경에 대한 indicator기반 평가 준비(TWAP는 UNRP에 상당한 공헌을 할 기회)
- GESAMP WG의 'Sources, Fate and Effects of Micro-plastics in the Environment, funded by PlasticsEurope' 후원: 2012년 3월 13~15일에 IOC에서 열린 1차 회의에서 일정, 결과물, 결과물이용자설정에 대한 결정 (UNRP에 microplastics에 대한 과학기술적 지표를 제공할 것)
- IOC-SCOR GEOHAB를 포함하는 IPHAB(= Biotoxin와 Algal Taxonomy위한 2개의 task team + ICES와 공동스폰서 하는 2개의 WG + 4개 지역그룹) 업무계획은, 예산때문에 제한적으로 이행, HAB과 관련된 담수화에 대한 잠재적인 영향에 대해 확인하기 위한 HAB-기후변화 IOC-ICES-PICES 컨퍼런스 준비중 (GEOHAB는 2013synthesis컨퍼런스까지 존속)
- 한국의 지원에 힘입어, 지역별 GEOHAB프로젝트는 2012.5월에 동남아에서 시작 (주제: ciguatera, toxic benthic HAB event)
- GEOHAB Open Science Meeting은 2012년 5월 29일부터 31일에 개최
- 폴란다는 주정부 지원으로 HAAB정보시스템 갱신
- 비교에 있는 IOC SCC는 1월 1일부터 준비상태였지만, 2012-3분기에 IOC-스페인 해양연간 계약연장이 되어야 가동가능
- 2012.5.~2016.12.까지 IODE사무소 벨기에Ostend유치에 관한 MOU체결 (폴란다는 주정부는 사무실, 회의실, 유틸리티, 인터넷, 점검비용, 최소 3명의 정규직원, 25만 파운드 이상의 재정지원 약속)

- 해양데이터 교환전략 업데이트WG회의(IODE사무소, 2012년 3월 1일부터 2일): 전문가그룹과 OBIS운영그룹이 감수받은 원고검토...최종안은 2012년 12월말까지 완료...IODE-XXII에서 최종검토...2013년 27차 총회에서 채택예정)

□ 최우선과제4: 지속가능한 해양개발 정책

- IOCARIBE 주최, 바베이도스연안관리실 주관, 카리브지역ICAM WS (2012년 3월 16일부터 18일까지): resilience of SIDS economies목표로, 연안재해관리와 기후변화적응위한 최우선목표를 설정 (National assessments of capacity, science and technology, governance structures)하고 10년짜리 사업계획서와 5년 계획에 IOC와 협력하기로...
- 연안역 통합연구, 부영양화, 영양염source/연안생태계와 coastal ecosystem effects and management의 관계, IOC Nutrients and Coastal Impact사업에 집중하기로...이행방법은 UNEP-IOC-GEF 'Global foundations for reducing nutrient enrichment and oxygen depletion from land based pollution' Project와의 협력, (GPNM은 Rio+20에서 영양염 관리관련 부대행사 개최)
- ICAM전략개정에 따라 26차 총회는 다음 ICAM프로그램을 승인
- (i) 과학기반 관리도구 통해서 해안해양환경 변화와 도전에 대해 빠르게 대응할 수 있는 수집력
- (ii) IOC해안프로그램들에 더해서 생태계기반관리도구 적용능력개발
- (iii) 지역기반관리 통해 기후변화 적응과 해안재난 통합대응 촉진,
- 26차총회Decision 8.2는 ICAM이행계획 마련요청-->IOC지역위원회 자료에 근거하여 INF-1295작성

□ 전지구적 문제에 호응

- 아프리카담당 코디네이터 겸 IOCAFRICA Technical Secretary, 2012.3.부터, UNESCO나이로비사무소에서 근무시작
- IOC지역연락관, 2012.2부터 IOC본부에서 근무시작: 본부와 3개의 IOC 부위원회 간의 연락책을 유지할 책무
- IOC 지역총괄사무소 설립하려면 회원국과 협력기구의 공여 필요
- 사무국은 GOOS-AFRICA, ODINAFRICA-IV, ACCC, 쓰나미프로젝트를 지속 (이 협력은 GOOS-AFRICA와 한국해양연 통해 아프리카와 한국의 장기적인 프레임 을 형성하기 위해 시작)
- 2011.12.에 열린 UNFCCC-COP17부대행사 (ACCESS/IOC/UNEP Importance of Science in Africa's Development)에 참여

- 성평등활동은 capacity development initiatives of training, research and education, as well as in scientific events organized by IOC 에서 성 평등을 이끌어 내는 데 목표. 여성과학자 평균참여도는 27%, 최고는 Ocean Science Section회의(37%), 여성과학자 참여도와 IOC 워크샵/교육훈련에서 civil protection agents and coastal manager수 꾸준히 증가
- UNESCO Women's Day기념행사에 참여: 미국, 이탈리아, 모리셔스, 캐나다, 프랑스 여성해양학자들과 인터뷰

□ 행정

- Decentralized사무소/파트너십 지원센터 설립절차 수립 (IOC/EC-XLV/2별첨11 참조)
- 신입사무국장 채용일정: (현 사무국장 임기 2013년 11월 만료되므로 46차 집행이사회에서 신입후보 심의하려면 연내 공채 시작해야 함)

2012년 12월부터 60일간	공석공고
2013년 1월 31일 자정	지원마감
2013년 2월 1일~3월 31일	예비선택 Technical screening (UNESCO인사부/IOC사무국). 지원자 압축 (의장단 및 당연직으로서 현 사무국장)
2013년 3월 15일	46차 집행이사회 3개월 전에 모든 회원국에게 서류일체 회람예정
2013년 6월 17일 (예정)	집행위원회는 46차총회에는 비공개로 의사표명
2013년 6월 17일~11월30일	DG가 최종결정

□ 재정

- 회비외적재원 활동 지원경비축소 ((RP지역WS에 38K, 육상기인 빈산소증/부영양화 저감사업에 25K)
- 스테파노 벨피오레, 텔스주스키 등 IOC직원/기능, WMO로 전출
- 예산불충분을 사유로 WCRP와 퍼쓰지역사무소에 약정한 지원 미시행
- Rio+20참여예산배정: 2011년에는 19만5천5백불 교부받았으나 긴축재정을 위해 '지속 가능한 바다를 위한 청사진'에 17,515불만 사용함 (2012년에는 이머전시펀드에서 12만 달러 배정되어 당초계획 이행예정)

□ 제 26차총회 결의 이행실적

#	결의내역	이행결과
1	지역위원회 활성화	<ul style="list-style-type: none"> ● IOCAFRICA-1차총회: 2012.5.2-3 / UN나이로비청사 ● 아프리카지역사무소개소: UNESCO아프리카사무소내

		<ul style="list-style-type: none"> ● IOCEA 및 IOCWIO: 가동개시 ● 상시설적의 재원: UNESCO Emergency Fund (재정자립도 23%)
2	IOCARIBE-11 차총회	<ul style="list-style-type: none"> ● 카리브지역UNRP대응WS: 미국발의로 1주기에 기여할 국별전문가 지정 ● 카리브LME: TDA작성/배포필 (SAP최종안 승인대기중) ● 카리브지역 ANCA-HAB그룹: 회원확충 ● 카리브 해저지형도(IBCCA): 16개해역 취합완료 ● 카리브지역외래침입종지도:www.caribbeanmarineatlas.net (단, 자마이카, 바베이도스 편은 미완) ● 향후계획: 카리브GOOS, ICAM, 영양염/유사저감Initiative ● 12차 카리브지역총회: 파나마정부와 교섭중 ● Rio+20관련(기후변화극복 및 청록색성장위한) 지역WS개최
3	아프리카지역 위원회	<ul style="list-style-type: none"> ● 1차 총회에서 ODINAFRICA, GOOSAfrica, 쓰나미경보, 기후변화대응프로젝트 추진결의
4	U N 해양법 IOC 자문단 review WG 신설	<ul style="list-style-type: none"> ● TOR: review 및 IOC회원국의 prioritizing mechanism 개발 ● 실적: 설문조사결과 24개국 응답 ● 그룹장: Adoté Blim Blivi
5	Rio+20참여	<ul style="list-style-type: none"> ● IOC input to "Zero Draft Outcome Document" ● 해양정책제안서 Blue print for Ocean and Coastal Sustainability 공동발간 ● GOF와 공동으로 해양관련 Rio+20부대행사(6.20 & 16) 준비중
6	고의적 테이 터부이 훼손 대응WG	<ul style="list-style-type: none"> ● 데이터부이협력패널(DBCP)27차회의시 실적보고: 훼손통계위한 설문조사 (응답률 저조, 대신 DBCP국가보고서에 수록하도록 요청) ● 훼손사건발생지도(경제적 피해액 추산 포함) 제작중 ● 2011.12.UN총회/해양법세션에서도 이 문제에 주목하여 회원국들이 IOC, WMO, FAO와 함께 대응할 것을 주문
7	국제 협력을 통한 쓰나미 (등 해양재난) 조기경보/ 피해 경 감 (TOWS)WG	<ul style="list-style-type: none"> ● 2012.2.15회의에서 WG장 선출: Kenji Satake (일본) ● 일본대지진 직후 IOC는 유네스코일본위원회의 요청을 받아 14개 국제쓰나미연구팀을 동원 ● IOC 쓰나미 사후조사 매뉴얼 update필 (2012-3분기中 발간예정) ● IUGG쓰나미commission회의 (2011 멜버른) 참가 ● Tim Hampton 특강Series중 '해양재난과-핵안전'편 참여 (2012.3.12) ● IOC쓰나미팀-포괄적핵실험금지조약기구와의 협력관련 기고 ● ESCAP쓰나미피해저감회의 (2011.12.16-18, 동경) 참가 ● 독일파견전문가 Ulrich Wolf, 일본파견전문가 Masahiro Yamamoto, 계약직 행정원2명 기한만료 되었으나 예산관계상 후임충원無
8	GOOS 보 강 및 효율성 제 고	<ul style="list-style-type: none"> ● 5차 GOOS지역포럼 개최 (2011.10.3,폴란드) ● GOOS운영위 재구성 ● UNFCCC, GEO/GEOSS와 협력계속 ● CBD와 협력타진중
9	IOC - WMO해양기 기검교정 센터	<ul style="list-style-type: none"> ● 기지정센터: 중국, 미국 ● 센터지정절차 수립 ● 추후 신규지정은 JCOMM소관
10	IODE	<ul style="list-style-type: none"> ● 폴란드스해양연內 IODE사무소 유치MOU 갱신 ● OBIS전문가그룹 장기회원 모집에 17명지원 4명선발 ● OBIS사무소에 임시계약직 신설

		<ul style="list-style-type: none"> ● 럿거스大와 DB유지관리계약 체결 ● 멕시코해양데이터센터 설립 2011.6 ● 아르헨티나 분산형해양데이터시스템, ODP 채택 ● ICAM/MSP과 HAB, 오션티처를 교구로 채택 ● JCOMM과 데이터관리프로그램분야(DMPA)에서 공조
11	제 10차 국제 H A B 패 널 (IPHAB)회의	<ul style="list-style-type: none"> ● IPHAB산하 생물독소팀, 조류분류팀, 4개지역그룹 임무수행중 이상무 ● IOC-ICES-PICES공동 기후변화-HAB관계 학회 2013 개최결정 ● HAB, 해수탈염 관련과제 기획WS 개최결정 ● 계층환경, 피요르드해안, 만형성과 HAB과의 관련성에 관한 학회 2012년중 개최예정 ● 역량강화사업은 IOC/HAB연구교류센터 통해 지속추진 (스페인 센터는 IOC-스페인해양(연)간 협력각서가 갱신되면 본격가동예정)
12	IOC추진순위 부여, 수행전략, 2012-2013사업 및 예산안	<ul style="list-style-type: none"> ● IOC재정자문그룹 국별대표: 모집중 ● 기타 세부내역: 사무국실적보고서 참조

□ 제 43차 집행이사회 결의 이행실적

#	결의내역	이행결과
1	IOC중부동대서양지역위원회(IOC EA) 신설	26차 총회 결의안 3호에 흡수
2	8차 WESTPAC총회	개최필 (별건보고)
3	지역단위	26차 총회 결의안 1호에 반영
4	UN해양법IOC자문단	26차 총회 결의안 4호에 흡수
5	JCOMM-III 제3세션	개최필 (별건보고)
6	국제쓰나미예보협력	26차 총회 결의 7호에 흡수
7	IOC의 미래	26차 총회 결의 4.7호에 흡수 (세부내역 별건보고)
8	2012 - 2013 사업계획안	아프리카지역담당coordinator임명필 (UNESCO 나이로비 사무소 주재중) 제1회 아프리카지역 총회 개최필 IOC지역연락관 임명필 (IOC사무국 주재중)
9	2012 - 2013 사업계획 및 예산(안)	26차 총회 결의안 12호에 흡수

- 미국발언: 회원자격 및 활동 유지예정
- 중국발언
 - UNRP 및 지역활동의 중요성 강조
 - Rio+20위한 청사진, 全UN공용어로 번역되어야 함
- 일본발언:
 - GOOS에 아시아국가 참여 적어 지역안배 필요
 - 쓰나미 대비위한 JCOMM 활약지지

- 신입 WESTPAC 의장과 함께 아프리카지역위 지원예정

- 캐나다발언

- 재정난 하에서 낸 많은 성과를 치하
- 추진우선순위에 따라 예산안을 심의할 것임

- 호주발언

- 재정난하에서 낸 많은 성과를 치하하며 퍼쓰센터의 지원계속을 약속
- 한국의 JCOMM-4주최에 감사드리며 JCOMM의 중요성을 강조
- 해양분야 기구간협력(UN Oceans)의 중요성을 강조

- 한국발언: Korea highly commends the excellent work of the secretariate for successful implementation of the IOC program. Especially, we are particularly pleased to see the establishment of IOCAFRICA last May in Nairobi, Kenya with the financial support of Korea. As stated in the report, it seems that the new born sub-commission need financial support for various missions to survive. However it is unlikely to be implemented as scheduled due to the recent financial difficulties of IOC. We wish to draw your attention to give high priority to support the IOCAFRICA. In this regard, Mr. Chairman, I am pleased to inform you that Republic of Korea continues to support IOCAFRICA by using Yeosu project and Korean ODA program. We wish to point out, recognizing the importance of Executive Secretary position, all the member states of IOC should have the same conclusion on the selection of Executive Secretary without sprit opinion on this matter. Therefore, Korean delegation fully support proposed timeline for recruitment process. With regard to the EXPO 2012 Yeosu KOREA, Republic of Korea would like to express our gratitude for the full support of IOC on the EXPO by jointly hosting series of international ocean events. The 9th session of IOC/WESTPAC, the 2nd PICES/ICES/IOC Climate Change Workshop, and the 4th JCOMM symposium were held successfully in Korea during the Expo. In addition, I would like to share this information with member states that, on the occasion of closing ceremony of the Expo, the Yeosu Declaration will be prepared during the Yeosu Declaration Forum on August 12, 2012. Mr. Ban

Ki-moon, UN Secretary-General, Madam Irina Bokova, UNESCO Secretary-General, as well as Dr. Wendy Wattson Wright and some IOC former officers are expected to join the high light of the Expo. The essence of Yeosu Declaration is to provide a vision for the "Green growth from the Sea" that keeps the ocean healthy and ensures the harmony and prosperity of the sea and humankind. We wishes continuous support from IOC and all the member states for the successful completion of the EXPO 2012 Yeosu KOREA. Finally, we are convinced that with Executive Secretary's outstanding leadership, IOC will overcome the difficulties in front of us and IOC will ensure successful program implementation in coming years. I would like to reaffirm the Republic of Korea's continuing commitment to support IOC and other regional projects through Korean Fund in Trust as well as other Korean ODAs.

- 남아공발언
 - 지역단위 협력의 중요성을 강조하며 한국의 아프리카지역위 지원에 감사
 - UNFCCC 총회 중 열린 Ocean's Day기념행사 성공개최 소개
- 쿠바발언
 - Rio+20에 해양의 가치를 input함을 높이 평가
 - 카리브 지역쓰나미 경보시스템 협력의 중요성을 강조
- 멕시코발언
 - 성과를 치하하며 IOC지원확대를 다짐
 - 카리브 지역쓰나미 경보시스템 협력의 중요성을 강조
- 에콰도르발언
 - 중동대서양 쓰나미경보 시스템협력 지속을 희망
- 터키발언
 - UNESCO 이머전시펀드에 출연함을 소개하면서 지원지속을 다짐
- 쿠웨이트발언

- 민간부문의 참여, 지원을 확대도출할 것을 사무국에 촉구

- 브라질발언

- 성과를 치하하며 IOC지원확대를 다짐
- Rio+20에서 IOC존재감을 들어낼 것을 희망

□ 2010-2011예산집행내역 및 2012예상수익 보고

- 재무위원회(6.26)논의 (사업계획중 상당한 예산이 소요되는 항목에 관한 심의)

- 2012-2013예산안을 MTS맥락에서 검토하기로 TOR설정 (따라서 MTS 심의 의결 순서전에 산회해야함)
- 캐나다: 사무국 보고서상 이스라엘 기여분이 3.8%인지 확인바람
- 캐나다: UNESCO 이머전시펀드의 배정순위가 아프리카인지 아시아 아랍 포함하는지 문의
- 모 중미국가대표: 2010-2011 IOC특별계정에서 카리브 쓰나미 경보사업에 배정한 금액문의

□ IOC사무국장 인선절차(안)

- 발제배경: IOC규정8.2항 (IOC사무국장은 UNESCO사무총장이 IOC집행이사회와 협의하여 선발한다) 관련절차 부재

- 절차:

1. 공석공고
2. 1차 서류전형 - UNESCO인사부
3. 2차 서류 (및 필요시 면접) 전형 - IOC의장단(필요시 현 사무국장 포함)이 (선발 기준과 직무내역에 따라) 6~10명 선발
4. 2차 서류전형 합격자 확정 - IOC의장단과 IOC사무국장
5. 2차 서류전형 합격자 지원서, 집행이사국에 회람 (집행이사회 3개월전까지 / 회원국 질의는 사무국 통해 의장단에 제출)
6. 집행이사회-UNESCO사무총장대리인-IOC사무국장 3자간 원격 화상회의 통해 후보 압축 (집행이사국이 명단에 대해 질문 있을 시 회의 2일전까지 IOC의장단에 제출...IOC의장단은 질문에 답변하고 동 내용을 회의에서 다룰지 여부를 결정)
7. 투표 (집행이사국1국당 4명씩 / 집행이사국 불참시, 대리인 지명하여 IOC의장에게 통지 / 의장단중 2인이상의 감독하에 사무국이 개표 / 개표결과(의장이 원격화상회의에 공개)에 따라 3~6인으로 압축 (집행이사회가 UNESCO사무총장에게 통지)

8. 상기명단 및 득표수는 IOC의장, IOC사무국장, UNESCO사무총장'대리인이 사무총장에게 전달

□ 제9차 WESTPAC총회결과

○ 개관

- 일시/장소: 2012.5.9-12 / 부산
- 주최/주관: 국토해양부 / 한국해양과학기술원
- 후원: 조사원, 수과원, 부산시, 부산컨벤션뷰로
- 참가규모: 회원국정부대표단 70명

○ 주요 심의의결 내용

- WESTPAC지역훈련센터 제 1호 개소보고:
 - 2011.6.10-16중 10개국69명에게 해양역학모델 교육
 - 차기 과정은 2012년 7월 16-21 예정
- 지난 2년간 소요예산
 - IOC회비재원 교부금(WESTPAC지역사무소장인건비포함) 37만불
 - IOC회비外적 재원 323만불
 - 합계 360만불 (8.7:1의 비율)
- SEAGOOS
 - 하부과제1 “Monsoon Onset Monitoring and its Social & Ecosystem Impact”
 - 하부과제2 “Ocean Forecasting Demonstration System”
 - 수행방식: 공동연구조사, 여름학교, Ocean Forecasting Demonstration System 웹사이트
- 기타 역량강화 실적
 - 해양외래종 조기포착방법론 (PICES와 공동),
 - 침전물과 수질이 산호초에 미치는 영향,
 - diatom Pseudo-nitzschia 분류학,
 - 플랑크톤/패류생체내 도모익산의 면역학적 탐지법
- 국제기구間 협력
 - NOWPAP과 IMBER, 아태지역 해양생지화학-생태계 연구역량강화 제의
 - MOMSEI 2차 여름학교 with FAO/GEF벵골만광역생태계프로젝트
 - IOC-WMO해양기기센터 가이드라인 개발

- JCOMM아태해양기기WS 공동개최
- UNRP동남아WS 후원
- 전체사업 계속실시 승인하되 미진한 “산호초주변생물DNA분류및가입조사사업”, “서태평양재난예보 및 피해저감”, ODINWESTPAC에 대해서는 분발촉구 (서태평양해저지형도제작사업은 해도제작기술 교류와 연안역통합관리에 응용위한 WG안 작성제출 요구)
- 신규과제 승인
 - “쿠로시오-대기 상호작용 및 기후에 미치는 영향”WG: (i) 지역주변의 sharp thermal front와 storm track activity間 피드백메커니즘 조사; (ii) 모델과 관측 네트워크 구축; (iii) 해양-기후예측력 강화통해 쿠로시오-북태평양기후 영향연구
 - “열대서태평양 해파리분포도”WG: 관련데이터가 부족하고 사회/생태적 영향이 연구되지 않은 상황에서 기존자료 검토와 열대서태평양 해파리의 분포, 근원의 동향분석에 대한 지식격차 파악
 - “서태평양신재생에너지기술공유”WG: 정보공유, 문제점파악, 회원국간 실행방법 교류, 역내 MRET개발과제 제안
- 향후 2년간 예산안 승인
 - IOC회비재원교부금 3만불 + 회비외적재원 423만불 = 426만불
 - IOC재정란 때문에 2012-2013기간동안 3만불만 IOC회비재원에서 교부받으므로
 - 향후2년간 사업은 회비외적 재원(회원국 공여)에서 충당해야 함
- WESTPAC 25주년기념행사 국별시행 요청
 - 해양과학현황조사 및 계획수립 등
- 9차 심포지움: 2014년 베트남
- 10차 총회
 - (IOC보고주기와 맞추기 위해서) 10차 총회의 일정을 2015년 초
 - WESTPAC결의는 IOC일정에 맞추기 위해 1분기중 나와야 함
 - 2014.5월~2015년 초 기간 중 사업계획 및 예산을 협의승인하기 위한 interim Executive Meeting (의장단-자문단-사무국) 2014년 중반에 개최
- WESTPAC의장단 재구성
 - 신임의장 Somkiat Khokiattiwong (태국)
 - 제1부의장 이윤호 (한국)
 - 제2부의장 Vo Si Tuan (베트남)

□ 제4차 JCOMM총회결과보고

○ 개관

- 일시 / 장소 : '12.5.23(수)~31(목) / 여수세박 국제관 컨퍼런스홀
- 주최 / 주관 : JCOMM / 기상청
- 후원 : 2012여수세박조직위, 전라남도, 여수시, 한국해양과학기술원
- 규모 : 54개국 250여명
- 한국대표단(13): 기상청관측기반국장(수석대표), 해양기상과장(교체수석) 등 7명 및 국립수산과학원, 국립해양조사원, 한국해양과학기술원, 유네스코 한국위원회 등 6명

○ 관찰 및 평가

- WMO와 IOC의 zero nominal budget growth에 따른 우선순위사업수행에 필요한 예산으로 회원국의 자발적 기여에 의존하고 있는 상황
 - 우리나라도 대 JCOMM, GFCS기여 고려할 필요가 있음.
 - 전지구관측 공백지의 대부분을 차지하고 있는 해양관측망의 확충은 지구기후시스템 이해에 필수적...그러나 3년간 담보 상태(초기 관측 목표 달성 62%).
 - JCOMM의 향후 우선순위과업에 토고, 탄자니아 등 '아프리카'를 추가해 줄 것을 요청함.
 - IOC 재정난 관련 중국대표는 IOC사무국에 직원을 파견하음을 강조
 - WIS-ODP의 상호운용성 확보는 향후 JCOMM 활동의 핵심과제이며, 이를 위한 해양기상커뮤니티의 지속적인 노력이 요구되며, 표준개발, 기상해양정보센터 유치 등을 위한 노력이 필요함.
 - 참가대표들은 JCOMM관료화, 긴 다음 회의까지의 기간, 적은 예산에 우려를 표하면서, 향후 JCOMM전문가활동을 회원국 경비지원을 기반으로 운영하는데 공감대를 형성.
 - 이번 총회는 총 54개국(46개국 신임장 제출)이 참여하여(제3차 총회 39개국), 보다 많은 회원국이 JCOMM 활동에 참여
 - 대표들은 그동안 저조한 참석을 보인 해양 분야 대표의 수가 증가한 것에 환영함...향후 해양학기관의 보다 적극적인 JCOMM참여가 요구됨.
- 한국발언: JCOMM-4 결의/권고를 지지함. 한국정부의 350,000 USD 기여를 통해 성공개최되었음을 상기함. 잉여금이 개발도상국 지원 등에 잘 사용되어야 함을 당부함.

4.1 RIO+20경과

- UN임직원 특히 Rio+20선언 기초담당자로 하여금 해양의 기여없이 지속가능한 개발은 있을 수 없음을 일깨우기 위하여,
- 2011.11에 Rio사무국에 zero draft관련의견 제출 (전체조항中 연안침식, 해양산성화, 비옥화, UNRP, MPA, SIDS 등 18개가 해양과 관련)
- 청사진 작성, 번역, 배포함
- Ocean's day등 관련행사 공동주최 또는 참여
- 2012.6.20회의에서 바다에 대한 이해, 문화보호, 역량강화 행동3축을 강조
- 브라질발언: 브라질 남극사업에 IOC협조요청, IOC 아프리카지역활동 지지
- 한국발언: Blue Economy개념을 Rio+20에 입력한 노력을 치하하면서, 지속가능한 개발과 Green Economy는 해양과 연관되었을 때 그 목적이 달성될 수 있음을 역설하고 IOC가 발간한 Blue Print 한국어판이 발간되어 과학자, 정책입안자, 일반인에게 배포하였음을 보고하였음. 또한 IOC가 국제회의 개최와 전문가들의 의견 개진 등을 통해 해양의 중요성을 지속적으로 부각하여 Rio+20 이후에도 지속적으로 노력하여야 함을 강조

4.2 지속가능 해양관측거버넌스의 필요성

- IOC응용해양학활동검토WG에서 이견발생-->26차총회는 신임WG담당자들에게 관련 기술보고서 작성지시-->IOC의장이 한국재원으로 '향후 10년을 향한 IOC의 미래와 계획이 회원국에 미치는 영향'WS 개최 (2012.3.19. 불가리아 바르나)==>응용해양학분석서(INF-1291), 해양관측기술의 발달추이, 필요조건의 변화가 IOC의 미래에 어떤 영향을 미치는지 토의
- 해양데이터취득/활용(GOOS, JCOMM, IODE)은 IOC의 고유영역으로서 IOC는 국제in-situ기후관측시스템과 운영관리체제의 기반임
- 응용해양학과 해양학연구의 구분이 회원국의 관리방식/재원구조에 따라 상이하므로 응용해양학을 해황예측력의 발달에 이어질 수 있는 활동으로 정의하고 IOC는 해양관리체제기반으로서의 응용해양학을 지향하기로 합의
- 해양관측의 지속성과 국제데이터분할은 기상예보력, 해수면측정, 쓰나미경보, 계절별기후예보, 기후변화연구, 기후관리시스템, UNRP, 해양정책의 전제조건
- IOC의 특성(해양연구/관리체제/역량개발 전담기구로서 타 해양관측프로그램이 제공할 수 없는 정부간 기반을 보유)을 살려
 - 관측서비스분야 정부역할 유지

- 관측과 국제관리체제의 역량개발
- 지역단위 의사결정에 응용
- 관측시스템의 공익성(인류사회에 영향을 미치는 해양이 지구환경에 절대적 요소이고, 해양에 대한 정부조치가 불가피함) 홍보
- UNRP기초자료 제공
- 데이터 분할 촉진
- 관측상 문제 해결
- 관측네트워크상의 간극
 - GOOS의 공해컴포넌트는 안정적(62%) 실행수준: 이 수준은 지난 20~30년간의 국제협력의 결과인 동시에 국제협력을 통해 성취될 수 있는 한계에 접근했다는 방증
 - 관측시스템의 발전은 (i) 국제관측데이터교류협정, (ii) 국제관측시스템협력협정을 통해 가능
- 요지: 국제데이터법이 IOC기능향상으로 이어지도록하는 방법을 IOC중장기전략에 반영되어야 하는지 기획할 WG신설을 행정위원회에 요청함

□ 토의내역

- IOC 전임의장 Javier Valladares: 한국지원으로 IOC 전임의장단들을 초청한 IOC 미래포럼(불가리아 바르나) 개최하여 응용해양학 용어 사용을 통해 실시간 해양자료 획득, 처리 등을 위한 회원국들의 협조가 필요함을 강조
- IOC부의장 Frederico(브라질): 해양문제 해결하려면 모니터링이 선결과제. 모니터링은 해양현상을 이해하고 예측하는 기반임. 그러려면 데이터가 지속적, 정기적, 호환적, 장기적이어야 하는데 취득목적/여건에 따라 데이터통합조정역이 필요. 성공의 3요소는 관측장비, 우수인력, 국제협력임.
- 영국: 응용해양학 > 해양관측. 이는 IOC의 성과. 본 안건은 GOOS보다 큰 범위이어야 하고 IOC가 국제해양과학협력의 중심이어야 함.
- 이란: 최근 해양관측 시작했음. 선진국의 자료공유와 역량강화 바람
- 독일: 국별로 needs가 다르니 이를 조사할 WG설치를 제안
- 러시아: end-to-end성격 즉 데이터를 가공하는 GOOS를 동구로 확대하기위한 한국 노력에 감사하며 국별 관할해역자료의 실시간 공유/활용위한 법제도 필요성 호소.
- 프랑스: 먼저 응용해양학 정의하러 노력한 불가리아 의장단회의와 지원해준 한국에 감사함. 응용해양학 정의에 에너지를 낭비할 필요가 없으며, 본건 자체에 절대 반대함(본건은 UN해양법에 포함되어야 함).
- 한국(유승협): IOC의 양대위기는 재정난과 해양관측정책상이인바 IOC의 응용해양

학 지향과 본 안전을 지지함. 단 para 5 보완이 필요함.

- 인도: 관측역량강화와 지역모델수립이 글로벌법규 제정보다 더 중요함
- 불가리아: 불가리아회의 참가국은 대양 주변해에 접해있어 데이터공유에 많은 애로점 있는데 이러한 지역단위 애로는 지구단위 국제법규로 해결되지 않음.
- 남아공: 해양관측실적 소개하면서 본건관련 추가논의환영
- 일본: GOOS추진상의 애로사항 해결필요
- 토고: 러시아(Africa기니 지원中)처럼 후진국의 장비확충과 교육훈련 등 관측역량 강화지원 요청
- 캐나다: 제안된 end-to-end role지지하나 역량의 선택과 집중, 기구間협력(PICES, ICES) 주문.
- 멕시코: UN해양법 pt 5에서 다루어야 할 사항임
- 아르헨티나: 불가리아 회의 후 검토한 결과 UN해양법에서 다룰 사안이라고 결론
- 호주: 해양관측은 운용해양학의 재료이상의 의미가 있음. 원격탐사 포함해야함.
- 브라질: 26차 총회 기심의 안전을 재심하는 것은 소모적. 본건은 UN해양법에서 다루어야 함.
- 노르웨이: 본건관련 WG에 적극 참여할 것임
- 말레이: 순회원국 관측역량강화가 선결조건
- 페루: 타 중남미국 의견에 동의
- 콜롬비아: 타 중남미국 의견에 동의
- WMO: JCOMM-4이 정한 로드맵에 따르면 운용해양학분야 해양-기상협력은 국제적 뿐 아니라 국내적으로도 이뤄져야 함
- 사무국: 금번 회기간 작업반 결과를 채택해 줄 것을 요청
- 아르헨티나, 브라질, 독일, 미국, 포르투갈, 프랑스 등 주요 회원국들은 동 의제가 IOC의 미래와 관련된 매우 민감하고 중요한 사안이기 때문에 과학적인 검토를 거쳐서 차기 총회에서 주요 의제로 다루어 심도있게 논의하자고 제안하였음.

□ 관찰 및 평가

- IOC재정위기하에서 JCOMMOPS, OOPC, IOCCP주무기관으로서의 UN기대치에 못 미칠 우려 (GOOS이행도가 62%에서 최근 3년간 머물고 있음은 지난 20-30년간의 국제협력의 노력의 결실인 동시에 자발적인 협력의 한계에 도달했다는 의미).
- 지속가능한 해양관측/서비스 방안으로서 IOC관련활동 촉진법제화 가능성을 검토하기위한('UN해양법협약' 하위법령 제정) ad hoc WG (의장=IOC부의장, 멤버: GOOS, IOCCP, IODE, JCOMM, OOPC, Tsunami, ABE-LOS)는 IOC를 위한 법적

수단 개발전략을 수립하여 27차 총회 및 UNESCO최고의결기구에 상정함

4.2.1 해양데이터포탈센터 신설

- 목적: IODE의 IOC해양자료정보관리(2008-2011과 2013-2016초안)정책의 일환으로 본 포탈과 다른 시스템을 호환시켜 해양자료교환 촉진
- 2007년 설립이후 ODP는 러시아해양자료센터에 의해 수행됨.
- 2012 IODE회의는 러연방 해양위원회의 ODP지원시설 Obnins설립제안에 사의를 표하고, 제45차 집행이사회에 상정. 2012년 4월 23일에 사무국장은 러시아로부터 ODP 지원센터 유치에 대한 공식연락을 받음.
- (i) 세명의 직원, (ii) 센터설립 및 운용비용
- 센터설립은 IODE ODP가 더 안정적이고 지속적으로 운용되는데 도움이 될 것임.

□ 토의내용

- 러시아: 제 6항이 불명확함.
- 한국: ODP 활동이 프로토콜의 구축 및 업데이트에 국한하는 것이 아니고 상호호환성 확보, 자료표준화, 자료품질관리, 자료수집활동 등 노동소요가 많아 직원 3명으로는 부족하나 러시아 지원에 한계가 있을 터이므로 WIS, SeaDataNet, NODC 등 타 포탈로부터 파견 직원을 공급받는 것을 제안
- 러시아: 회원국이나 다른 기구의 지원과 파견을 환영한다고 답변
- 독일/벨기에: 제안을 지지함.
- 인도 등: 타 포탈과의 차이점과 운용방침 (IOC해양데이터정책 준용성 등)에 대해 문의함.
- 캐나다: 유네스코 명칭사용권이 부여되는지 문의함.

4.3 UN해양법IOC자문단 점검

- 자문단: UN해양법에 해양학적으로 자문하라는 IOC Resolution XIX-19 (1997)의 거, 국별2명으로 구성된 자문단회의를 2000~2009중 9회 소집
- 발제근거 (2010년도 집행이사회 Resolution 4번)
- UN해양법IOC자문단 실적에 대해 평가
- 해양법 어느 부문에 도움이 필요할지 대한 설문조사 실시
- IOC회원국들이 관심을 가지는 부문을 파악하여 조력방안 모색

- 자문단실적평가위한 개방형WG (IOC부위원장 Cherif Sammari 및 참여국 대표) 구성
- 2011년 4월 27일, 설문지 배포 (2011년 5월 30일한 회신요청)
- 2011년 6월 17일현재 14개 회수 (설문결과분석은 26차총회에서 발표)
- 참여인원-가변성 자문단실적평가WG 재결성 및 설문기한연장 결정 (Resolution XXVI-4 및 Decision IOC-XXVI/4.8)
- 총회는 참여인원-가변성 자문단실적평가WG (회원국이 지명한 전문가로 구성)에게 회수된 설문지를 분석하여 UN해양법IOC자문단에 대한 평가보고서를 작성하고 IOC/회원국들의 선결과제를 파악하여 그 과제들을 가능케 할 방법을 찾으라고 지시
- 자문단실적평가WG 책임자: IOC아프리카담당부위원장 Adote Blim Blivi 선출
- 설문지 재배포...2011.11.30현재 총 24개(14+10) 회수
- 응답률 저조 (142개中 24개 회수)
- UN해양법IOC자문단 성과물에 대해 알고 있는 회원국이 모르는 회원국보다는 많았음.
- UN해양법 중에서도 해양과학에 관한 8부와 해양기술이전에 관한 14부, 그리고 아르고부이 공해계류관한 IOC결의 이행요령에 주로 관심보임.
- IOC회원국이 UN해양법 8 & 14부를 이행하는데 돕는데 자문단의 분발이 필요함
- UN해양법IOC자문단 성과물이 보다 널리 보급되어야 함.
- UN해양법IOC자문단 TOR 개정 필요
- 역량강화활동 수행 필요 (설문문항 3번에 대한 답변)
- UN해양법IOC자문단을 상설조직으로 할 것인지 임시특별조직으로 할 것인지를 의견이 갈림.
- 웹사이트는 자주 갱신되고 보다 잘 관리되어야 함.
- 향후 자문단 회의 시 과학자, 법률가가 고루 참여해야 함.
- 사무국은 타 기구, 기관, 프로그램, 프로젝트와 공조하여 자문단 성과물의 활용을 확대해야 함
- 사무국은 회원국들의 UN해양법 적용을 활성화하기위해 ad hoc assistance방법을 구상해야 함.
- 총회/집행이사회가 자문단TOR을 개정할 때 설문결과 특히 회원국들의 역량강화 지원요청을 반영해야 함.
- 이상을 종합하여 볼 때 다음 조치가 필요:
 - (i) 자문단 성과물이 실효를 거둘 수 있도록 재원확충 등 구체적 활동계획을 수립
 - (ii) UN해양법 제 8, 14부 관련하여 회원국 요청사항을 포함하는 국가별 자문단

성과물 활용결과보고서를 취합

(iii) 자문단 회의 시 과학자-법률가 비중을 안배

□ 토의내용

- Korea wish to express our gratitude for Prof. Blivi's effort to make this report in spite of the small number of response on the questionnaire. We want to make two comments. With regard to the opportunity for future activities where the advice of an expert body may be necessary, we believe that our previous mission on the means of data collection has not been completed. We suggest ABELOS should resolve or come to a conclusion on ABELOS' previous mission first. Throughout discussing such given issues of the mission, we might find out more on what we should concentrate in the future. Regarding the mechanism to identify and prioritize issues of interest to the Commission, we believe there are two different ways to do this. First, the issues should be directly raised by the member states. Hence, the Commission could inform the member states, maybe during the general assembly next year, to raise their voices for identifying and for priority issues of interests which could be tackled by ABELOS. Second, the Commission could periodically survey the member states' opinion by asking if there are any issues to be tackled by ABELOS. This may be a reasonable way to find out the priority issues because sometimes member states might not be able to find an opportunity to speak up on such issues.
- 일본: 7-8월 중 해양법 전문가를 IOC 사무국에 파견할 계획임.

4.4 해양과학자문단장 보고

- IOC 예산담당 부의장 (Haugan)이 실적을 다음과 같이 발표하였음: 해양과학의 중요성과 지속적인 정부지원을 강조함. 해양과학지식은 해양서비스, 해양예측(운용해양학)으로 활용되어야하며, 이를 위한 전략과 정부간협력체계를 구축하고 정기적인 국제해양과학컨퍼런스를 개최함으로써 해양지식/커뮤니케이션증진에 노력해야함. 또한 해양학전문가그룹에 대한 우선지원이 필요하며, 미조사해역에 대한 관심도 필요함.
- 전략적 우선순위: 전지구적변화에 따른 해양생태계변화를 예측하고 해양생태계와 인간 활동의 상관관계를 규명

- 문제점: 지속적이고 안정된 해양관측이 선행되어야 함.

□ 토의내용

- 캐나다: 전략과 우선순위, 자문결과들을 언제 조정 통합할 것인가 질문
- 포르투갈: 자문결과 수행주체별 수행방안이 필요한 시점, 심해관련부분이 없음, 해양서비스 뿐 아니라 해양과학 역시 중요
- 미국: 자문단의 구성이 다양해서 바람직함

5.1 향후2년간(2012-2013)예산조달계획

- IOC 부의장 Dr. Peter Haugan 이 2012-13 IOC 예산과 우선 지원계획에 대한 재정위원회의 결정과 권고 등을 회원국에 소개한 후 회원국의 의견 수렴을 거쳐 제안된 결의안을 채택함.
- 한국은 사무국의 재정적 위기를 해결하기 위하여 IOC의 선택과 집중 정책을 환영하였음. 또한 현재 재정적 위기를 IOC정체성 확립을 위한 기회로 활용할 것을 언급함. 어려운 상황에서도 비정규 예산을 동원하여 IOC의 활동을 유지하고자 하는 사무국의 노력을 치하함. 사무국이 제시한 재정 위기 극복 방안은 대부분 현실적인 제안으로서 한국은 이에 전반적으로 동의함. 특히 IOC의 core프로그램에 가용한 재원을 집중하고, 임팩트가 미약하거나 비정규예산을 확보하기 어려운 사업은 중단하거나 관련 UN기구에 이전해야 한다는 제안에 공감함. 그리고 이사회 일정 축소 등 행정비용을 줄이려는 노력을 지지함. 이와 관련하여 현 위기를 IOC의 정체성을 좀 더 명확하게 정의할 수 있는 기회로 적극 활용해야 함. 회원국의 needs와 기대는 높지만 재원은 부족한 IOC의 현실을 직시하면서, IOC의 core 활동영역 수를 줄이고 여기에 역량을 집중할 필요가 있음. 그런 맥락에서 'priority funding plan'을 수립하여 활동을 체계적으로 추진하려는 사무국의 노력을 치하함. Rio+20 후속활동에 상대적으로 많은 예산이 배정되어 있는데, 그동안 해양의 중요성과 역할에 대한 인식을 높이는데 노력해온 만큼 후속활동이 잘 이뤄지기를 기대함. (의제8쪽 priority funding plan의 2a의 ocean carbon sources and sinks는 한국과 US\$180,000 협의 중이라고 기재)

5.2 8개년(2014-2021)경영전략

- IOC 예산과 사업 담당 부의장(Haugan)이 동 사업 계획을 발표하였음. 미국, 일본, 아르헨티나 등 주요국들은 우선 추진사업(High Level Objectives)들에 대한

고려와 조정이 필요함을 역설하였음.

○ 관련근거

- UNESCO-36차총회(2011) 결의1 (MTS(37 C/4)를 6년에서 8년으로 연장
- 2014 document 37 C/5부터 2년마다 조정
- C/5 document 재정책정의 격년순환의 유지
- C/5프로그램의 순환을 2년에서 4년으로 연장
- IOC규정2.1: IOC의 존치목적은 자연, 해양, 연안의 자원에 대해 이해하고 이 지식을 관리개선, 지속발전, 환경보호 및 회원국 의사결정절차에 적용하기 위해 국제협력과 연구, 서비스, 역량강화를 조직화하는 것임.
- IOC전략은 유네스코MTS와 연계함.

UNESCO 2008-2013 우선목표	UNESCO전략사업목표	IOC 2008-2013 우선목표
2. 과학과 정책을 통한 지속가능 발전구현	3. 환경의 혜택과 자원의 관리에 대한 과학지식의 영향력 행사	2. 기후변화대응 해양생태계보호
	4. 과학기술혁신 정책역량강화	4. 지속가능 연안해양환경과 자원이용 정책
	5. 재난대비에 기여	1. 자연재해 피해저감

- IOC 26차총회 결의 제 4.7(ii)에 따라, UNESCO 2014-2021 MTS도 IOC전략수립에 참조되어야 함
- 유의사항: 현재 UNESCO전략구성과 우선순위부여에 관한 원격화상회의 결과는 회기중 참고자료로만 이용가능. 리오+20 주제는 (i) 지속발전/빈곤퇴치위한 녹색경제; (ii) 지속발전을 위한 법제도인데 지속가능해양개발이 “Zero Draft of the Outcome Document”에 반영되어있긴 하지만 리오+20결과가 IOC역할에 어떻게 영향을 미칠지 미지수임

□ 2014-2021중 IOC의 최우선목표(안)

- 해양관측, 평가 및 예보를 위한 전지구적 해양관측시스템의 유지, 강화 및 통합
 - 1a 지속적인 관측의 요구에 응하여 전지구적해양데이터를 용이하게 함
 - 1b 종단간 관측시스템의 지역별 우선순위에 따라 전지구적해양데이터를 용이하게 함
 - 1c 해양생태계 현황과 인류영향에 관한 과학정보를 개선함
 - 1d 지속가능한 공해관리를 위한 지식기반을 개선함

- 연안해양 포함한 기후변화 적응을 위한 국가전략의 보장
 - 2a 기후변동성의 영향과 자연과 인간체제의 변화에 관한 지식을 개선
 - 2b 해양생태계서비스에 대한 기후변화의 영향과 관련된 기후서비스와 평가를 개발함
 - 2c 기후변화 및 해양산성화 저감노력을 회원국정책에 반영토록 권고함
- 연안국가 해양재난대비대응역량 강화
 - 3a 지속가능한 관측예보시스템을 구축
 - 3b 이상적 범람대비방법을 pa, 교육, 교류를 통해 고취함
 - 3c 연안재해평가역량개발지원
- 해양과학지식의 강화 및 지역해양과학협력 촉진
 - 4a 중요도기준점의 확립과 생태계기반관리의 실행을 포함한 생태계기능/서비스의 이해를 도와 해양생태계/해양생물자원의 지속가능한 이용을 도모함
 - 4b 과학기반지식을 강화하고 연안역통합관리 능력을 향상함
 - 4c 국제수준의 기초교육프로그램 등 역량개발
- 지식공유와 역량개발 통한 전지구적해양관리체제의 향상
 - 5a 해양기반지식 관련 UN목표이행 주도
 - 5b 정책결정위한 해양환경데이터교환촉진
 - 5c 개도국에 해양관리정책수립기술 이전

□ 상기초안 보완시 고려사항

- 상기안과 사업계획안은 초안으로서 UNESCO전략과 리오+20결과를 반영하여 45차집행이사회의후에도 계속 수정보완되어야 함
- UNESCO전략의 주기성과 2년에서 4년으로의 사업주기연장을 감안하면 향후 IOC 사업계획 주기는 4년이 될 수도 있음 (집행이사회의 및 총회 심의의결 대상)
- 전략수립과정에 모든 IOC회원국+IOC하부단위가 참여할 수 있도록 집행이사회의후 자유WG설치와 원격화상회의 실시를 고려할 것

5.3 결의안기초요령(제6안)

- 발의배경 및 내용
 - 26차총회 결의 9.3.1에 따라 “결의(안)의 기초와 수정검토를 위한 가이드라인”의 검토를 위한 조정가능WG설치 (책임자: 신임부의장)

- WG참여희망국가: 아르헨티나, 호주, 브라질, 프랑스, 일본, 멕시코, 영국, 미국
- 의장단의 역할/기여: (a) 절차규정 등을 고려하여 본 가이드라인의 목적을 명확히 하는 서문을 작성 (b) 결의안기초위의 결의(안) 검토를 통해 제공된 특정 조언과 권고된 검토사항을 고려 (c) 절차규정의 해당부분을 각 부분의 시작마다 명백히 반복하고, 추후 가이드라인에 대한 부가설명이나 재해석이 필요하지 않도록 함
- 토의결과
 - 회원국의 의견 수렴을 한 결과 좀 더 충분한 검토를 거친 후 차기 총회에서 논의하는 것이 좋겠다는 의견에 따르기로 하였음.

5.4 매뉴얼개정

□ 발의배경

- 26차총회결정 9.3.2: 사무국은 임원들과 함께 포괄적전자전서로써의 IOC매뉴얼 (IOC/INF-785, 1985)을 개정하고, 경과를 행정위원회 45차 회의에 보고할 것
- 본 안건은 IOC매뉴얼 IOC/INF-1193 (2005) ‘분산지사와 파트너쉽센터의 설립지침’에서 신규항목 2.4 ‘파트너쉽센터’가 추가된 개정판임
- 회원국별 IOC산하프로그램 유치/운영지원 현황:
 - 벨기에 플란다스해양연구원, IODE사무소 유치/운영지원중
 - 호주기상청, Perth지역사업본부 유치/운영지원중
 - 덴마크(코펜하겐)/스페인(비고), HAB사무국/사업본부 유치/운영지원중
 - 중국FIO, 훈련센터유치, 운영중
 - 브라질 리오, GOOS사무국 유치/운영지원 제안
 - 인도해양정보서비스센터, 국제응용해양학교육훈련센터 유치/운영지원 제안
- 유네스코 협의 결과, 유네스코-IOC간 권한분장 필요 단, 이는 회원국의 자문위원, 고용직원, 계약직원의 경우가 아닌, IOC직원이 책임을 맡을 때 가능함. IOC직원이 담당하는 IOC프로젝트/프로그램/지역본부/사무소와 별도로, IOC규정10.2에 따라 회원국의 기여활동을 승인장려하기 위하여 ‘파트너쉽센터’ 신설이 제안됨

□ 토의내용

- 멕시코, 독일, 한국, 태국, 일본, 인도 등은 동 센터와 Category II 센터와 중복의 문제가 없는지 등에 대한 질의를 하였으며 현장에 배석한 유네스코 법률자문관이 이 두 센터간에는 상충되는 문제가 없음을 언급하였음.

- 멕시코: 본건은 기결사안(지난 총회 결정 9.2.2.?)임. 특히 행동범위는 논란여지
- 독일: 적부심사와 UN하부조직으로서의 품질/품격 유지방법 문의
- 한국: 행동범위TOR를 명확히 한정하고 보고/명령체계, 수행평가항목을 추가할 것을 제안
- 일본: 재청
- 그라나다: 협력절차요령 수립전 카테고리2센터 설정절차 수립은 시기상조
- 유네스코법률자문: 회원국은 UNESCO이름을 단 센터를 설치할 수 없음.
- 멕시코: 본안은 작년총회에 제안된 바와 상이함. 유네스코절차규정 위배여부 문의
- 캐나다: IOC는 기능적으로 독립되어있으므로 유네스코규정에 구애받지않아도 됨.
- 유네스코법률자문: IOC 기능적 독립의 근거가 유네스코규정임. IOC사업지원은 National Centers만 가능함

5.5. 차기회의

- 사무국: 개최장소를 파리가 아닌 다른 회원국에서 개최하는 방안을 제안하며 시기 면에서는 1안으로 집행이사회는 6월 25일, 총회는 6월 26일부터 7월 9일까지, 2안으로 집행이사회는 6월 24일, 총회는 6월 25일부터 28일까지 일정을 축소하여 개최(통역비 등 경비 절감을 위한 조치)하는 방안을 제안하였음.
- 포르투갈: 중요한 의제는 충분한 시간을 가지고 논의해야하며 회원국들이 이런 기회를 포기한다면 IOC의 미래는 어둡다며 일정을 필요한 만큼 충분히 가져야 함을 강조하였음.
- 집행이사회: 회원국의 의견개진을 통해 제 27차 총회를 2013년 6월 25일부터 시작 하되 사무국과 의장단이 재원을 마련하여 회의일정을 늘리는 방안을 강구하도록 권고하였음.
- 의장: 보고서 채택 후 폐회 선언

6. UNESCO사무총장 특별연설

- 개막식에 참석하지 못했던 UNESCO 사무총장 Madam Irina Bokova 가 참석하여 재정위기 하에서 해양의 중요성을 감안하여 유네스코가 노력하고 있음을 강조하며 회원국의 관심과 지원을 촉구하였음. 특히 한국의 지원으로 수행된 여수 EXPO 개최와 관련된 해양관련 행사(제9차 WESTPAC총회, IOC/PICES/ICES 기후변화심포지움, 제4차 JCOMM 총회 등)를 소개하면서 감사의 뜻을 표하였음.
- 한국이 지원한 아프리카지역위 WESTPAC 여수엑스포 심포지움 JCOMM-4 여수 선언문 폐회식참석...다른 회원국이 한국의 적극적 기여를 모범삼기를 바람
- Rio+20 input 산성화 등
- 오션컴팩트 소개
- 향후 IOC 중요하므로 UNESCO이머전시펀드를 우선배정할 것임
- 인류공동의 자산중 대표가 바다...이제는 우리가 바다를 보살필 때임

- 한국은 금번 개최된 제 45차 IOC 집행이사회에 장기원 주 유네스코 대표부 대사를 수석대표로 한 총 11명의 대규모 대표단이 참석하였음. 회의 기간 중 의장보고, 사무총장 보고, 유네스코 사무총장 연설 등을 통해 한국의 활동과 지원이 언급되었으며, 각종 의제에서도 한국이 적극적으로 발언하는 등 활발한 활동을 통해 한국의 해양과학 역량을 보여주고 국제사회에서의 리더십을 확립하였음.
- 이번 집행이사회는 2011년 가을 팔레스타인의 유네스코 가입에 반발한 미국 등의 재정지원 유보 방침에 따라 재정상의 어려움에 봉착한 IOC 사무국이 2013년 초로 일정을 연기하려했으나 회원국의 반발로 기간을 단축(회기간 Working Group 회의를 포함 4일) 하여 집행이사회 결정이 필요한 중요한 안건만을 의제로 선정하여 회의형식을 바꾸어 시도하였음. 2013년 총회 역시 일정을 대폭 축소하여 약 4일간의 일정으로 파리에서 개최할 계획이며, 추가로 회의 개최경비를 확보하거나 다른 회원국의 개최 유치 신청이 있을 경우 회의기간을 늘리기로 하였음. 금년 집행이사회도 브라질이 Rio+20를 계기로 유치 의사를 보였으나 시일이 급박하여 포기한 사례가 있었음.
- 한국은 IOC 지원 계획의 일환으로 해양탄소 기원과 침강(OCSS : Ocean Carbon Sources and Sinks) 사업을 신탁기금(\$247,000)으로 지원키로 하고 금번 회의 기간 중 별도 일정으로 유네스코 신탁기금 담당자와 협약을 체결하였음. 금번 지원 협약은 그동안 추진해온 신탁기금 사업의 문제점이 재발하지 않도록 한국 담당자를 파견하여 업무의 효율성을 높일 계획인바 계획대로 좋은 성과를 달성할 수 있도록 관심을 가져야 할 것임.
- 우리나라는 2012년 5월 WESTPAC부의장국으로 선출되어 금번 회기중 관련국 회동에서 좀 더 동 위원회 발전에 관심과 지원을 해줄 것을 제안 받았는바, 그동안 지원해온 신탁기금사업 (\$45,000/년) 및 지역 훈련센터유치 등을 이행해야 할 것임.
- 우리나라가 2011년 여수사업으로 지원한 IOCAFRICA 및 유해적조(HAB)사업은 KOICA에서 그동안 보고자료 제출미비 등을 문제점으로 지적하였는바, 그동안 추진해온 신탁기금사업 추진과정에서 나타난 보고서 및 관련 재정보고서 등의 지연 제출 사례가 재발되지 않도록 엄중 경고하고 필요시 2차 지원금 지급을 늦추는

방안을 통해 동 사업이 계약내용대로 이행될 수 있도록 압박할 필요가 있을 것으로 판단됨.

- 금번 대표단은 주관 기관인 KORDI를 비롯하여 조사원, 기상청, 수과원 등 국내 다양한 기관이 참석(유네스코 한국위원회는 발언자료 준비 지원)하여 각 분야별로 의제 분석 및 발언자료 준비 등을 하여 소기의 성과를 거둔 것으로 판단됨. 향후에도 대표단 구성과 훈령 등을 회의 개최 전 최소 2개월 전에 확정하여 회의 준비에 만전을 기하여야 할 것이며, 대표단 구성 시 관련 전문가 들이 지속적으로 참가하여 일관성을 유지하도록 하고 축적된 경험을 통해 회의 참가 시 실질적인 역할을 할 수 있도록 해야 할 것임.
- 금번 회의에서 2013년 11월 임기가 종료되는 IOC 사무총장 선출 일정과 절차가 발표되었으며 일부 회원국들은 투명한 절차를 마련하고 회원국들이 적극 참여하여 자격 있는 유능한 후임자가 선출되어야 함을 강조하였음. 동 절차에 따라 2012년 11월 신입 사무총장 선출절차가 공고될 예정인바, 이에 대한 아국의 입장을 정리할 필요가 있음. 참고로 2013년 11월 유네스코 사무총장도 임기가 종료됨.
- 유네스코 한국대표부도 금년 9월 대사가 교체예정이며 그동안 창의재단에서 파견된 IOC 담당 파견관(김명수 과장)도 후임자 없이 귀국 예정임에 따라 그동안 유네스코 한국대표부가 보여 준 IOC 대한 관심과 지원이 감소될 우려가 있음. 이에 따라 금년 8월 IOC 에 파견 예정인 국토해양부 파견자가 보완 역할을 할 수 있도록 신중하게 검토할 필요가 있음.
- 일본은 금년 8월부터 UN해양법IOC자문단 지원을 위해 JAMSTEC국제협력담당자를 IOC사무국에 파견예정. 동해표기 문제에 민감한 반응을 보여 온 일본의 행태를 고려할 때, 예의주시할 필요가 있음.
- 향후 한국은 선택과 집중을 통해 지원 효율성을 높이고 IOC에서 쌓아온 주도권을 계속 유지 발전 시켜 나가야 할 것임. 특히 IOC 의장 지원사업으로 2011년 추진된 “동구권 국가 네트워크 구축 포럼”과 “Future of IOC 포럼”은 금번 회의에서 좋은 성과를 보인 것으로 발표 언급되었는바, 2012년에는 IOC가 상대적으로 취약하다고 판단하여 권고한 라틴 아메리카지역을 대상으로 한 포럼을 잘 준비 추진하여야 할 것임. 또한 2011년 동구권포럼에서 제안한 “흑해와 동해비교연구 워크숍”도 금번 회의에서 일부 관련 회원국들이 개최 일시 등을 문의하여 왔는바 개최 여부를

결정할 필요가 있음.

- 2012년 5월에 창립총회를 개최한 IOCAFRICA는 여수사업과 교육과학기술부 개도국 과학기술 지원사업으로 지원하고 있으며 아프리카 회원국들도 금번 회의기간 중 발언과 개별 접촉 등을 통해 감사의 뜻과 함께 우호적인 반응을 보였음. 따라서 아프리카에 대한 지원을 우선순위(high priority)로 지원하고 있는 IOC 와 한국정부의 기본입장을 감안하여 새로운 해양과학 거버넌스가 논의되고 있는 아프리카 지역에서 한국이 리더쉽을 구축하고 역할을 확대해 나가는 전략을 수립 추진할 필요가 있을 것임. 특히 한국의 적극적인 아프리카 지원에 자극을 받은 일본과 중국 등이 신규사업을 제안 추진하려는 움직임이 있는바, 한국도 이번에 구축한 주도권을 유지할 뿐 아니라 관련 사업의 효율성을 극대화할 수 있도록 전략적인 접근이 필요한 것으로 판단됨.
- 금번 회의 기간 중 회원국과 접촉을 통해 재정부족의 어려움을 겪고 있는 IOC 사무국의 운영 방식에 대한 회원국의 불만이 감지되었음. 예를 들면 금번 회의에서 커피 및 식수 등 기본적인 지원도 전혀 제공하지 않아 불편을 겪었으며 성과 없이 예산 부족만 호소한다는 일부 회원국의 지적이 있었음. 실제로 IOC 등 국제기구는 예산이 절감되더라도 임직원급여는 하향조정하지 않음을 고려하여 지원에 앞서 구조조정 등 IOC 개혁이 선행되도록 유도할 필요성을 고려할 필요가 있음.

Paris, 18 May 2012
Original: English



**INTERGOVERNMENTAL OCEANOGRAPHIC
COMMISSION**
(of UNESCO)

Forty-fifth Session of the Executive Council
UNESCO, Paris, 26–28 June 2012

Item 2.1 of the Provisional Agenda

REVISED PROVISIONAL ANNOTATED AGENDA

Summary. The present document provides an annotation to the Provisional Agenda of the 45th Session of the IOC Executive Council in a chronological order.

Tuesday, 26 June 2012, 10.00 to 11.30

1. OPENING

1 The Chair will open the 45th Session of the IOC Executive Council at 10:00 on Tuesday 26 June 2012 in Room IV at UNESCO Headquarters.

2. ORGANIZATION OF THE SESSION

2.1 ADOPTION OF THE AGENDA

Working documents: IOC/EC-XLV/1 Prov. Provisional Agenda
IOC/EC-XLV/2 Prov. Rev. Revised Provisional Annotated Agenda (*this document*)

2 The Chair will invite the Executive Council to adopt the Provisional Agenda, as is or as amended by the Council.

2.2 DESIGNATION OF THE RAPPORTEUR

3 The Chair will invite the Executive Council to designate a Rapporteur for the Session to assist him and the Executive Secretary in the preparation of the Draft Summary Report.

2.3 ESTABLISHMENT OF SESSIONAL COMMITTEES

4 The Chair will invite the Executive Council to constitute the statutory sessional committees, the Resolutions Committee and the Financial Committee, as well as, if decided necessary, such other sessional committees or working groups as may be required for the transaction of its business. He will remind the participating Member States of the open-ended character of these committees.

2.4 INTRODUCTION OF TIMETABLE AND DOCUMENTATION

Working documents: IOC/EC-XLV/4 Prov. Rev. Revised List of Documents
IOC/EC-XLV/1 Add. Prov. Provisional Timetable

5 The Executive Secretary will introduce the documentation and provisional timetable of the Session. She will review briefly the list of working documents.

6 The Chair will invite the Executive Council to adopt the Provisional Timetable taking into account: (i) any Executive Council decision to constitute sessional committees and working groups; (ii) the time likely to be required by those groups to report, if requested to do so, to the plenary; (iii) the timely preparation of the Draft Summary Report and Resolutions in all the Commission's working languages; and (iv) the need to benefit from the interpretation service available.

3. STATUTORY REPORTS

3.1 STATEMENT OF THE CHAIR ON THE STATE OF THE COMMISSION

Working document: IOC/EC-XLV/2 Annex 1 Statement of the Chair on the State of the Commission

7 The Chair will report on his and the other Officers' activities since the 26th Session of the Assembly.

Tuesday, 26 June 2012, 11.30 to 13.00

3.2 REPORT OF THE EXECUTIVE SECRETARY ON PROGRAMME IMPLEMENTATION & REPORT ON THE BUDGETARY SITUATION

<i>Working documents:</i>		
IOC/EC-XLV/2 Annex 2		<i>Report of the Executive Secretary on Programme Implementation</i>
IOC/EC-XLV/2 Annex 2 Add.		<i>Resolution Implementation Report</i>
IOC/EC-XLV/2 Annex 3		<i>Report on Budget Execution 2010–2011</i>
<i>Reports:</i>		
ICG/CARIBE EWS-VII/3s		Executive Summary Report of the 7th Session of the Intergovernmental Coordination Group for the Tsunami and Other Coastal Hazards Warning System for the Caribbean and Adjacent Regions (ICG/CARIBE-EWS-VII), 2–4 April 2012, Curacao
ICG/NEAMTWS-VIII/3s		Executive Summary Report of the 8th Session of the Intergovernmental Coordination Group for the Tsunami Early Warning and Mitigation System in the North-eastern Atlantic, the Mediterranean and connected seas (ICG/NEAMTWS) (Santander, Spain, 22–24 November 2011)
TOWS-WG-V/3s		Executive Summary Report of the 5th Session of the Working Group on Tsunamis and Other Hazards Related to Sea-Level Warning and Mitigation Systems, 15 February 2012, Tokyo, Japan
IOCAFRICA-I/3s		Executive Summary Report of the 1st Session of the IOC Sub-Commission for Africa and the Adjacent Island States (IOCAFRICA-I), 2–3 May 2012, Nairobi, Kenya
WESTPAC-IX/3s		Executive Summary Report of the 9th Session of the IOC Sub-Commission for the Western Pacific (WESTPAC-IX), 8–12 May 2012, Busan, Republic of Korea
IOC/GOOS-SC-I/3s		Executive Summary Report of the 1st Session of the Steering Committee of the Global Ocean Observing System, Paris, France, 20–22 June 2012 (available at the Session)
WMO-IOC/JCOMM-IV/3s		Executive Summary Report of the 4th Session of the WMO-IOC Joint Technical Commission for Oceanography and Marine Meteorology, Yeosu, Republic of Korea, 23–31 May 2012,
<i>References:</i>		
IOC/EC-XXXIX/2 Annex 5		Proposed Clarifications for Consultations with the Director-General on the Appointment of the Secretary IOC

8 The Executive Secretary will present a report on programme implementation, including Subsidiary Bodies, since the 26th Session of the Assembly and will update on the financial situation of UNESCO and IOC.

9 She will also report on the execution of the budget, 2010–2011.

10 Considering that the appointment of the Executive Secretary will end in November 2013, she will propose a timeline for the recruitment process for the next Executive Secretary.

11 Based on a decision of ICG/CARIBE-EWS-VII, the Executive Council will be invited to extend the area of responsibility of the Tsunami and other Coastal Hazards Warning System for the Caribbean and Adjacent Regions (CARIBE-EWS) to the West Atlantic including Greenland, Brazil, Uruguay and Argentina.

Tuesday, 26 June 2012, 15.00 to 18.00

5.1 FUNDING PLAN FOR 2012–2013 (*Introduction*)

<u>Working documents:</u>	IOC/EC-XLV/2 Annex 8	Status of IOC Budget and Priority Funding Plan for 2012–2013
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<u>Information:</u>	IOC/IFAG-2012-1	Status of IOC Budget from All Sources under the Reduced Regular Budget Envelope and Implementation of the Programme for 2012–2013
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<u>References:</u>	IOC/INF-1283	Draft IOC Fundraising Strategy
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12 The Executive Secretary and the Vice-Chair for Programme and Budget, Prof. Peter Haugan, on behalf of the Intersessional Financial Advisory Group will present a report on status of IOC budget and a priority funding plan for 2012–2013.

4.4 REPORT OF THE CHAIR OF THE AD HOC ADVISORY GROUP FOR THE OCEAN SCIENCES SECTION

<u>Information:</u>	IOC/INF-1294	Report of the Ad hoc Advisory Group for the Ocean Sciences Section
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	IOC/INF-1295	IOC/ICAM Plan of Action for Regional and Global Implementation
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13 The Vice-Chair for Ocean Sciences, Dr Atanas Palazov, will report on the conclusions of the Ad hoc Advisory Group for the IOC Ocean Sciences Section and its contribution to the Draft IOC Medium-Term Strategy for 2013–2021 [IOC XXVI, Decision 8.1].

14 On this occasion, the Vice-Chair for Ocean Sciences will update on the practical plan of action describing IOC/ICAM regional and global implementation, prepared as an information document based on the inputs received by IOC Regional Subsidiary Bodies [IOC XXVI, Decision 8.2].

5.2 INTRODUCTION TO THE DRAFT IOC MEDIUM-TERM STRATEGY FOR 2014–2021

<u>Working documents:</u>	IOC/EC-XLV/2 Annex 9	Draft IOC Medium-Term Strategy for 2014–2021
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<u>Information:</u>	IOC/INF-1280	Towards a Medium-Term Strategy for 2014–2019 Perspectives from the Secretariat
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15 The Executive Secretary and the Vice-Chair for Programme and Budget, Prof. Peter Haugan, on behalf of the Ad hoc open-ended working group to develop a draft of the Medium-term Strategy for 2014–2021 will present an initial concept of the Draft IOC Medium-Term Strategy for 2013–2021 [IOC XXVI, Decision 4.7].

5.3 GUIDELINES FOR DRAFT RESOLUTIONS (*Introduction*)

Working documents: IOC/EC-XLV/2 Annex 10 Sixth Draft Revised Guidelines for the Preparation and Consideration of Resolutions, Decisions and Recommendations

16 The Vice-Chair for Programme and Budget and Chair of the Intersessional Open-ended Working Group for the revision of the guidelines for the preparation and consideration of draft resolutions, Prof. Peter Haugan, will report on the conclusions of the Working Group.

17 Items 5.1 and 5.2, with the contribution provided by item 4.4, will be discussed in the Financial Committee, while agenda item will be discussed in the Resolutions Committee.

Tuesday, 26 June 2012, 16.30 to 18.00

3.2 REPORT OF THE EXECUTIVE SECRETARY ON PROGRAMME IMPLEMENTATION & REPORT ON THE BUDGETARY SITUATION (*cont'd*)

18 The Executive Council will discuss the report of the Executive Secretary.

Wednesday, 27 June 2012, 10.00 to 11.30

3.2 REPORT OF THE EXECUTIVE SECRETARY ON PROGRAMME IMPLEMENTATION & REPORT ON THE BUDGETARY SITUATION (*cont'd*)

19 The Executive Secretary will reply to the questions of the Executive Council.

20 The Executive Council will be invited to adopt the following decisions:

EC-XLV, dec. 3.2

I. Report of the Executive Secretary

The Executive Council,

1. Having examined documents IOC/EC-XLV/2 Annex 2 Add. and IOC/EC-XLV/2 Annex 3,
2. Takes note of the report of the Executive Secretary on the implementation of the programme and budget since the 26th Session of the Assembly;
3. Approves the Report on Budget Execution, 2010–2011.

II. Ocean Observations and Services

The Executive Council,

1. Having examined the report of the recent session of the Steering Committee of the Global Ocean Observing System (GOOS-SC-I),
2. Accepts document IOC/GOOS-SC-I/3s and the recommendations contained therein;
3. Having examined the report of the recent session of the WMO-IOC Joint Technical Commission for Oceanography and Marine Meteorology (JCOMM-4),

4. Accepts document JCOMM-IV/3s and the recommendations contained therein.

III. Tsunami and Other Coastal Hazards Warning Systems

The Executive Council,

1. Having considered the reports of the recent sessions of the Intergovernmental Coordination Groups for the Tsunami and Other Coastal Hazards Warning System for the Caribbean and Adjacent Regions (ICG/CARIBE-EWS-VII), for the Tsunami Early Warning and Mitigation System in the North Eastern Atlantic, the Mediterranean and Connected Seas (ICG/NEAMTWS-VIII), and the report of the Working Group on Tsunamis and Other Hazards Related to Sea-Level Warning and Mitigation Systems (TOWS-WG-V),
2. Accepts the Executive Summary Reports ICG/CARIBE-EWS-VII/3s and ICG/NEAMTWS-VIII/3s and the recommendations contained therein;
3. Having examined in particular the decision suggested by ICG/CARIBE-EWS-VII of enlarging its Area of Responsibility to include the full Western Atlantic area,
4. Modifies IOC Resolution XXIII-13 as follows:

Name:

Intergovernmental Coordination Group for the Tsunami and Other Coastal Hazards Warning System for the Caribbean and Western Atlantic

Membership:

– Member States of the IOC from the Caribbean and the Western Atlantic

5. Decides to continue the TOWS-WG for the next intersessional period with the existing terms of reference and membership.

IV. Regional Subsidiary Bodies

The Executive Council,

1. Having considered the reports of the recent sessions of the Sub-Commission for Africa and the Adjacent Island States (IOCAFRICA-I) and of the Sub-Commissions for the Western Pacific (WESTPAC-IX),
2. Accepts the Executive Summary Reports of IOCAFRICA-I/3s and WESTPAC-IX/3s and the recommendations contained therein.

V. Recruitment Process of the IOC Executive Secretary

The Executive Council,

1. Having examined document IOC/EC-XLV/2 Annex 4 and the timeline of the process for the recruitment of the IOC Executive Secretary suggested in document IOC/EC-XLV/2 Annex 2,
2. Agrees with the suggested timeline and requests the Secretariat to include this as an agenda item for the 46th Session of the Executive Council, and prepare the necessary documents.

Wednesday, 27 June 2012, 11.30 to 13.00

4. GENERAL POLICY

4.1 FOLLOW-UP TO RIO+20

Information:

IOC/INF-1292

IOC Contribution to the Rio+20 Process and Follow-up

21 The Executive Secretary will report on the IOC Contribution to the Rio+20 Process and United Nations Conference on Sustainable Development (Rio de Janeiro, Brazil, 20–22 June 2012).

22 The Executive Council will be invited to adopt a decision on this agenda item based on the report of the Executive Secretary.

5.4 IOC MANUAL

Working documents:

IOC/EC-XLV/2 Annex 11

Proposal for the Revision of the IOC Manual IOC/INF-1193, Section 2

Reference:

IOC/INF-1193

Guidelines for the Establishment of Decentralized Offices

23 The Executive Secretary will propose an addition to document IOC/INF-1193 (2005), *Guidelines for the Establishment of Decentralized Offices*, with the introduction of a new sub-section 2.4 for the category of 'Partnership Centre', as a direct contribution by Member States to activities of the Commission, as well as with an amendment to section 2.1.7 on 'IOC Project Offices'. The document would be renamed *Guidelines for the Establishment of Decentralized Offices and Partnership Centres* [IOC XXVI, Decision 9.3.2].

24 The Executive Council will be invited to adopt the following decision:

EC-XLV, dec. 5.4

IOC Manual

The Executive Council,

1. Having examined document IOC/EC-XLV/2 Annex 11,
2. Approves the revision to the IOC Manual concerning document IOC/INF-1193, renamed *Guidelines for the Structure and Responsibilities of the Subsidiary Bodies of the Commission, and for the Establishment of Decentralized Offices and Partnership Centres*, with the proposed addition of Sub-section 2.4 on 'Partnership Centres' in Section 2 and the amendment to Section 2.1.7;
3. Invites the Executive Secretary to continue, in consultation with the Officers of the Commission, the updating of the IOC Manual as a comprehensive electronic compendium, and to report on progress to the Assembly at its 27th Session.

Wednesday, 27 June 2012, 15.00 to 16.30

4.2 THE FUTURE NEEDS FOR INTERGOVERNMENTAL COORDINATION AND GOVERNANCE FOR SUSTAINED OCEAN OBSERVATIONS & SERVICES

<u>Working documents:</u>	IOC/EC-XLV/2 Annex 5	The Future Needs for Intergovernmental Coordination and Governance for Sustained Ocean Observations & Services
<u>Report:</u>	IOC Workshop Report, 250	The Future of IOC toward next 10 years and its implication for Member States
<u>Information:</u>	IOC/INF-1291	Short Technical Report Scoping Operational Oceanography Meeting of the IOC Officers 1 February 2012
<u>References:</u>	IOC/Future-I/3	IOC Working Group on the Future of IOC First Session, UNESCO Headquarters, Paris, France, 19–20 February 2008

25 The Chair will present the technical report on the scoping of operational oceanography [IOC XXVI, Decision 4.7] and deliberations of the ex-Chairs workshop on the Future of IOC and Operational Oceanography (Varna, Bulgaria, 19 March 2012). A proposal will be tabled to evaluate the possibility of developing a legal instrument, possibly an oceanographic data convention, to strengthen and define IOC's role in UNESCO of coordinating the needs of global operational oceanography (sustained observations and operational services).

26 The Executive Council will be invited to adopt the following decision:

EC-XLV, dec. 4.2

The Future Needs for Intergovernmental Coordination and Governance for Sustained Ocean Observations & Services

The Executive Council,

1. Having examined documents IOC/EC-XLV/2 Annex 5, IOC/INF-1291, IOC Workshop Report, 250 and IOC/Future-I/3,
2. Takes note of their findings and recommendations;
3. Re-emphasizes the strategic importance of IOC programmes that support ocean forecasting (operational oceanography – sustained observations and operational services, and derived products), such as GOOS, IOCCP, IODE, JCOMM, OOPC, Tsunami;
4. Takes note of the proposal to evaluate the possibility of a legal instrument for IOC;
5. Establishes an ad hoc open-ended working group, inclusive of the Chairs of the IOC above programmes and of IOC/ABE-LOS, chaired by a Vice-Chair to: (i) develop a draft strategy to elaborate a legal instrument for IOC, complementary to the United Nations Convention on the Law of the Sea, addressing sustained observations and operational services and taking into account the needs of IOC programmes for intergovernmental actions and commitments that might be enhanced by such instrument; (ii) report to the Assembly at its 27th Session for approval and possible submission to UNESCO Governing Bodies.

4.2.1 IOC Support Centre for Ocean Data Portal

Working documents: IOC/EC-XLV/2 Annex 6 Rev. Centre for the Ocean Data Portal

27 The Co-chair of IODE, Mr Ariel Troisi, will inform of the offer of the National Oceanographic Committee of the Russian Federation to establish a facility in Obninsk to support the IODE Ocean Data Portal development.

28 In relation to Decision 5.4 on the IOC Manual, the Executive Council will be invited to acknowledge the offer of the Russian Federation and adopt the following decision:

EC-XLV, dec. 4.2.1

Centre for the Ocean Data Portal

The Executive Council,

1. Recalling EC-XLV, Dec. 5.4 concerning the establishment by Member States of Partnership Centres as a means to support technically IOC projects and programmes,
2. Welcoming the offer of the Russian Federation to establish a Centre for the Ocean Data Portal at RIHMI-WDC of Roshydromet in Obninsk,
3. Recalling the importance of direct contributions by Member States to the activities of the IOC of global and regional scope,
4. Having examined document IOC/EC-XLV/2 Annex 6 concerning the establishment of a Centre for the Ocean Data Portal by the Russian Federation,
5. Aware of the importance of the IODE Ocean Data Portal to facilitate the seamless access to oceanographic, marine meteorology, and other data and products,
6. Invites the Russian Federation to consider entering into a partnership agreement with UNESCO/IOC concerning this Centre with a view to exchanges of information and possible joint activities related to the Ocean Data Portal at RIHMI-WDC of Roshydromet in Obninsk.

Wednesday, 27 June 2012, 16.30 to 18.00

4.3 REVIEW OF IOC/ABE-LOS

Working documents: IOC/EC-XLV/2 Annex 7 Review of IOC/ABE-LOS

Information: IOC/INF-1293 Review of IOC/ABE-LOS - Analysis of the Questionnaire on the IOC Advisory Body of Experts on Law of the Sea (IOC/ABE-LOS) – December 2011

29 The Vice-Chair for Regions and the Law of the Sea, Prof. Adoté Blim Blivi, will present the IOC/ABE-LOS Review and the Analysis of the Questionnaire on the IOC Advisory Body of Experts on Law of the Sea [IOC XXVI, Decision 4.8 and Resolution XXVI-4].

30 The Executive Council will be invited to adopt the following decision:

EC-XLV, dec. 4.3

Review of IOC/ABE-LOS

The Executive Council,

1. Having examined document IOC/EC-XLV/2 Annex 7,
2. Takes note of:
 - (i) the report of the Open-Ended Intersessional Working Group to Review IOC/ABE-LOS,
 - (ii) the fact that the response was low and represented only 17.6% of Member States;
4. Establishes an intersessional ad hoc open-ended working group chaired by a Vice-Chair to revisit the mandate of the IOC Advisory Body of Experts on the Law of the Sea (IOC/ABE-LOS) which was established in 1997 through IOC Resolution XIX-19 to provide advice on the Commission's role in relation to UNCLOS and report to the 27th Session of the Assembly.

Thursday, 28 June 2012, 10.00 to 11.30

5. ADMINISTRATION AND MANAGEMENT

5.3 GUIDELINES FOR DRAFT RESOLUTIONS (*Cont'd*)

Working documents: IOC/EC-XLV/2 Annex 10 Sixth Draft Revised Guidelines for the Preparation and Consideration of Resolutions, Decisions and Recommendations

31 The Chair of the sessional Resolutions Committee will report on its conclusions on the Sixth Draft Revised Guidelines for the Preparation and Consideration of Resolutions, Decisions and Recommendations.

32 The Executive Council will be invited to adopt the following decision:

EC-XLV, dec. 5.3

Guidelines for Draft Resolutions

The Executive Council,

1. Having examined document IOC/EC-XLV/2 Annex 10,
2. Adopts the Guidelines for the Preparation and Consideration of Resolutions, Decisions and Recommendations, which form an integral part of the IOC Rules of Procedure and IOC Manual.

Thursday, 28 June 2012, 11.30 to 13.00

5.1 FUNDING PLAN FOR 2012–2013

Working documents: IOC/EC-XLV/2 Annex 8 Status of IOC Budget and Priority Funding Plan for 2012–2013

Information: IOC/IFAG-2012-1 Status of IOC Budget from All Sources under the Reduced Regular Budget Envelope and Implementation of the Programme for 2012–2013

Reference: IOC/INF-1283 Draft IOC Fundraising Strategy

33 The Vice-Chair for Programme and Budget and Chair of the Financial Committee, Prof. Peter Haugan, will report on the conclusions and recommendations of the sessional Financial Committee concerning the status of IOC budget and the Priority Funding Plan for 2012–2013.

34 The Executive Council will be invited to adopt the following decision:

EC-XLV, dec. 5.1

Status of IOC Budget and Priority Funding Plan for 2012–2013

The Executive Council,

1. Having examined documents IOC/EC-XLV/2 Annex 8 and IOC/IFAG-2012-1 as well as [IOC/INF-1283](#),
2. Thanks the Executive Secretary for the timely information on the financial situation of UNESCO and IOC received through circular letters no. [2416](#) and [2426](#);
3. Expresses great concern for the impacts of the financial difficulties of UNESCO on the delivery of the IOC programmes;
4. Expresses its appreciation to the Executive Secretary for her effort to maintain programme continuity under these difficult circumstances and to contribute to implement UNESCO's 'roadmap';
5. Expresses its appreciation to the Director-General for the allocation of US\$ 470,000 to IOC from the Emergency Fund to enable programme implementation at essential level;
6. Re-affirms the importance of the IOC as one of the flagship bodies of UNESCO with functional autonomy;
7. Expresses its thanks to the Member States who have already contributed to the Emergency Fund and to the IOC following the cash-flow and budgetary crises of end of 2011 and of the present biennium;
8. Welcomes the temporary programmatic choices and the Priority Funding Plan for 2012–2013 presented by the Executive Secretary;
9. Urges all the IOC Member States to provide voluntary contributions for the financing of the Priority Funding Plan, preferably to the IOC Special Account;

10. Invites the Executive Secretary to update periodically all the Member States on the status of the programme and budget.

Thursday, 28 June 2012, 15.00 to 16.30

5.2 DRAFT IOC MEDIUM-TERM STRATEGY FOR 2014–2021

Working documents: IOC/EC-XLV/2 Annex 9 Draft IOC Medium-Term Strategy for 2014–2021

Information: IOC/INF-1280 Towards a Medium-Term Strategy for 2014–2019
Perspectives from the Secretariat

- 35 The Vice-Chair for Programme and Budget and Chair of the Financial Committee will report on the conclusions and recommendations of the sessional Financial Committee concerning the initial concept of the Draft IOC Medium-Term Strategy for 2014–2021.

- 36 The Executive Council will be invited to adopt the following decision:

EC-XLV, dec. 5.2

Draft IOC Medium-Term Strategy for 2014–2021

The Executive Council,

1. Having examined document IOC/EC-XLV/2 Annex 9,
2. Takes note of the initial concept of the Draft IOC Medium-Term Strategy for 2014–2021 developed by the Intersessional Financial Advisory Group with contributions from the Ad hoc Advisory Group for the IOC Ocean Sciences Section;
3. Establishes an intersessional open-ended working group under the leadership of a Vice-Chair to further develop the Draft IOC Medium-Term Strategy for 2014–2021 and draft Programme Objectives and Expected Outcomes for 2014–2017, to be submitted to the Assembly at its 27th Session for approval.

Thursday, 28 June 2012, 16.30 to 18.00

5.5 PREPARATION OF THE 27th SESSION OF THE ASSEMBLY

- 37 Through Decision 9.4, the Assembly at its 26th Session of the Assembly decided that the 27th Session should be held in Paris, at UNESCO's headquarters, from 26 June to 9 July 2013. In consideration of UNESCO's financial difficulties, the Executive Secretary will propose to the Executive Council to consider shortening the next session.

5.6 PREPARATION OF THE NEXT SESSIONS OF THE EXECUTIVE COUNCIL

- 38 Through Decision 9.4, the Assembly at its 26th Session decided that the 46th Session of the Executive Council should be held in Paris, at UNESCO's headquarters, on 25 June 2013, preceding the opening of the 27th Session of the Assembly. In consideration of the possible shortening of the session of the Assembly, such date may be adjusted.

6. REPORT

Information:

IOC/EC-XLV/Inf.1

Information note on the Working arrangements
during the IOC 45th Executive Council (June 2012)

39 The Executive Council will be invited to adopt the Summary Report of the present
session.

7. CLOSURE

40 The Director-General is expected to deliver a closing statement.

41 The Chair is expected to close the 45th Session of the Executive Council at 18.00 hours,
at the latest, on Thursday 28 June 2012.



INTERGOVERNMENTAL OCEANOGRAPHIC COMMISSION

(of UNESCO)

Forty-fifth Session of the Executive Council

Paris, 26–28 June 2012

IOC-EC XLV/1 Add. Prov.

Paris, 24 April 2012

English only

PROVISIONAL TIMETABLE

Time	Monday 25 June		Tuesday 26 June	Wednesday 27 June	Thursday 28 June
08.30 - 10.00				Financial Committee (II)	Financial Committee (IV) (optional)
				Resolutions Committee (II)	
10:00 - 11.30	Working Group to Review of IOC/ABE-LOS	Intersessional Financial Advisory Group and Working Group on Medium-Term Strategy	1. Opening 2. Organization of the Session (2.1 – 2.4) 3. Statutory Reports <u>3.1</u> Statement of the Chair on the state of the Commission	<u>3.2</u> (Cont'd) Replies of the Executive Secretary to the debate	5. Administration and management <u>5.3</u> Guidelines for Draft Resolutions
11.30 - 13.00			<u>3.2</u> Report of the Executive Secretary on Programme Implementation & Report on the Budgetary Situation	4. General Policy <u>4.1</u> Follow-up to Rio+20 <u>5.4</u> IOC Manual	<u>5.1</u> Report of the Chair of the Financial Committee on the Funding Plan for 2012–2013
13.00 - 15.00	<i>LUNCH BREAK</i>		Financial Committee (I)	Financial Committee (III)	<i>LUNCH BREAK</i>
			Resolutions Committee (I)	Resolutions Committee (III)	
15.00 - 16.30	Advisory Group on Ocean Sciences	Working Group for Guidelines DR	<u>5.1</u> Introduction to the Funding Plan for 2012–2013 <u>4.4</u> Report of the Chair of the Advisory Group on Ocean Sciences <u>5.2</u> Introduction to the Draft IOC Medium-term Strategy for 2014-2021	<u>4.2</u> The Future Needs for Intergovernmental Coordination and Governance for Sustained Ocean Observations & Services <u>4.2.1</u> IOC Support Centre for Ocean Data Portal	<u>5.2</u> Report of the Chair of the Financial Committee on the Draft IOC Medium-term strategy for 2014–2021
16.30 - 18.00			<u>5.3</u> Introduction to the Guidelines for Draft Resolutions	<u>3.2</u> (Cont'd) Questions	<u>4.3</u> Review of IOC/ABE-LOS
After 18.00					



IOC/EC-XLV/3 prov.
Part 3
Paris, 23 November
2012
English only

INTERGOVERNMENTAL OCEANOGRAPHIC COMMISSION (of UNESCO)

Forty-fifth Session of the Executive Council Paris, 26–28 June 2012

PROCEDURAL REPORT

1. OPENING

1 The Chair, Mr Sang-Kyung Byun, opened the 45th Session of the IOC Executive Council at 10:00 on Tuesday 26 June 2012. He then announced three new IOC Member States since the last Assembly: Saint Kitts and Nevis; Montenegro, Honduras and Kiribati.

2 The Chair then asked participants to stand for a minute of silence to honour distinguished individuals who had participated in the work of the Commission and had passed away during the past year: Dr Ariel González (Argentina), Prof. Dr Mikhail Ivanov (Russian Federation), Dr Alejandro Rodríguez (Nicaragua), Prof. Makoto Terazaki (Japan), Prof. Masaki Kawabe (Japan), and Dr Jacob Van der Land (the Netherlands).

2. ORGANIZATION OF THE SESSION

2.1 ADOPTION OF THE AGENDA

3 The Chair informed the Executive Council of a change to the Provisional Agenda proposed by the Officers of the Commission at their meeting on Sunday 24 June 2012. The title of agenda item 4.2 was changed from “The Future Needs for Intergovernmental Coordination and Governance for Sustained Observation and Services” to “The Future Needs for Intergovernmental Coordination and Governance for Sustained Observation and Services and the Future of the Commission.” The agenda was adopted as amended. ([Decision EC-XLV/Dec.2.1](#))

2.2 DESIGNATION OF THE RAPPORTEUR

4 The Chair invited the Executive Council to designate a Rapporteur to assist in the preparation of the Draft Summary Report for the present session.

5 Following consultations with Member States the chair proposed that vice-Chair Frederico A. Saraiva Nogueira (Brazil) serve as Session Rapporteur, which was approved by the Council. ([Decision EC-XLV/Dec.2.2](#))

2.3 ESTABLISHMENT OF INTRASESSIONAL COMMITTEES

6 The Chair invited the Executive Council to form two statutory sessional committees: the Resolutions Committee and the Financial Committee and invited proposals for sessional working groups.

7 **The Executive Council did not establish** the Resolutions Committee, as no Draft Resolutions were received at the secretariat by the given deadline.

8 **The Executive Council established** the Financial Committee under the chairship of IOC Vice-Chairperson Dr Peter Haugan (Norway). The Secretariat staff members responsible for supporting the work of the Financial Committee were Stefano Belfiore and Xenia Yvinec. Two agenda items were referred to the Financial Committee: 5.1, Funding Plan for 2012–2013, and 5.2, Draft IOC Medium-term Strategy for 2014–2021.

9 In addition to the establishment of the regulatory sessional committees, the Executive Council established a Working Group on Operational Oceanography (item 4.2 of the agenda). ([Decision EC-XLV/Dec.2.3](#))

10 **The Executive Council agreed** that this Committee would work in English.

2.4 INTRODUCTION OF TIMETABLE AND DOCUMENTATION

11 The Chair invited the Executive Council to adopt the Provisional Timetable (document IOC/EC-XLV/1 Add. Prov.) taking into account: (i) any Executive Council decision to constitute sessional committees and working groups; (ii) the time likely to be required by those groups to report, if requested to do so, to the plenary; (iii) the timely preparation of the Draft Summary Report and Resolutions in all the Commission's working languages; and (iv) the need to benefit from the interpretation service available.

12 The Chair stressed the fact that the Commission was also striving to streamline the reporting of the session as presented in information document IOC/EC-XLV/Inf.1.

13 The Chair informed the Executive Council that those Member States wishing to submit formal statements to be included in the Informational Annex of Individual Member State Interventions to the Summary Report should e-mail them to: IOC_interventions@unesco.org.

14 **The Executive Council adopted** [Decision EC-XLV/Dec.2.4](#).

3. STATUTORY REPORTS

3.1 REPORT BY THE CHAIR ON THE STATE OF THE COMMISSION

15 The Chair, Mr Sang-Kyung Byun, pursuant to Rule of Procedure 51.2, reported on his and the other Officers' activities since the 26th Session of the IOC Assembly.

16 The following Member States chose to provide records of their plenary intervention on this agenda item for the Informational Annex to the meeting report: India, Malaysia and Republic of Korea.

17 **The Executive Council adopted** [Decision EC-XLV/Dec.3.1](#).

3.2 REPORT BY THE EXECUTIVE SECRETARY

18 Pursuant to Rule of Procedure 49.1, the Executive Secretary reported on programme
implementation, including Subsidiary Bodies, since the 26th Session of the Assembly and
provided an update on the financial situation of UNESCO and IOC.

19 She reported on the execution of the budget for 2011–2012.

20 Considering that the appointment of the Executive Secretary will end in November
2013, she proposed a timeline for the recruitment process for the next Executive Secretary.

21 Based on a decision of ICG/CARIBE-EWS-VII, the Executive Council was invited to
extend the area of responsibility of the Tsunami and other Coastal Hazards Warning System
for the Caribbean and Adjacent Regions (CARIBE-EWS) to the West Atlantic including
Greenland, Brazil, Uruguay and Argentina.

22 The Chair presented to **the Executive Council** Decisions [3.2\(I\)](#), [3.2\(II\)](#), [3.2\(III\)](#), [3.2\(IV\)](#)
and [3.2\(V\)](#) related to the Report by the Executive Secretary, and invited the Executive Council
to discuss adoption of the Decisions.

23 **The Executive Council approved** Decision EC-XLV/Dec.3.2 (I to V).

24 The following Member States chose to provide records of their plenary intervention on
this agenda item for the Informational Annex to the meeting report: Argentina, Canada, Japan,
Portugal, Republic of Korea, Turkey, United States of America and Uruguay (Observer).

4. GENERAL POLICY

4.1 FOLLOW-UP TO RIO+20

25 The Executive Secretary reported on the IOC Contribution to the Rio+20 Process and
United Nations Conference on Sustainable Development (Rio de Janeiro, Brazil, 20–22 June
2012).

26 **The Executive Council approved** [Decision EC-XLV/Dec.4.1](#).

27 The following Member States chose to provide records of their plenary intervention on
this agenda item for the Informational Annex to the meeting report: Brazil and Republic of
Korea.

4.2 THE FUTURE NEEDS FOR INTERGOVERNMENTAL COORDINATION AND GOVERNANCE FOR SUSTAINED OCEAN OBSERVATIONS & SERVICES AND THE FUTURE OF THE COMMISSION

28 The Chair presented the technical report on the scoping of operational oceanography
[IOC XXVI, Decision 4.7] and deliberations of the ex-Chairs workshop on the Future of IOC
and Operational Oceanography (Varna, Bulgaria, 19 March 2012). A proposal was tabled to
evaluate the possibility of developing a legal instrument, possibly an oceanographic data
convention, to strengthen and define IOC's role in UNESCO of coordinating the needs of
global operational oceanography (sustained observations and operational services).

29 **The Executive Council** adopted [Decision EC-XLV/Dec.4.2](#).

30 The following Member States chose to provide records of their plenary intervention on this agenda item for the Informational Annex to the meeting report: Bulgaria, Canada, India, Japan, Malaysia, Republic of Korea and South Africa.

4.2.1 IOC Support Centre for the Ocean data portal

31 The Co-chair of IODE, Mr Ariel Troisi, informed the Executive Council of the offer of the National Oceanographic Committee of the Russian Federation to establish a facility in Obninsk to support the IODE Ocean Data Portal development.

32 In relation to Decision 5.4 on the IOC Manual, the Executive Council was invited to acknowledge the offer of the Russian Federation.

33 **The Executive Council** adopted [Decision EC-XLV/Dec.4.2.1.](#)

34 The following Member States chose to provide records of their plenary intervention on this agenda item for the Informational Annex to the meeting report: India, Malaysia and Republic of Korea.

4.3 REVIEW OF IOC/ABE-LOS

35 The Vice-Chair for Regions and the Law of the Sea, Prof. Adoté Blim Blivi, presented the IOC/ABE-LOS Review and the Analysis of the Questionnaire on the IOC Advisory Body of Experts on Law of the Sea [IOC XXVI, Decision 4.8 and Resolution XXVI-4].

36 **The Executive Council** adopted [Decision EC-XLV/Dec.4.3.](#)

37 The following Member States chose to provide records of their plenary intervention on this agenda item for the Informational Annex to the meeting report: Japan and Republic of Korea.

4.4 REPORT OF THE CHAIR OF THE AD HOC ADVISORY GROUP FOR THE OCEAN SCIENCES SECTION

38 The Vice-Chair for Ocean Sciences, Dr Atanas Palazov, reported on the conclusions of the Ad hoc Advisory Group for the IOC Ocean Sciences Section and its contribution to the Draft IOC Medium-Term Strategy for 2013–2021 [IOC XXVI, Decision 8.1].

39 On this occasion, the Vice-Chair for Ocean Sciences provided an update on the practical plan of action describing IOC/ICAM regional and global implementation, prepared as an information document based on the inputs received by IOC Regional Subsidiary Bodies [IOC XXVI, Decision 8.2].

40 **The Executive Council** adopted [Decision EC-XLV/Dec.4.4.](#)

41 The following Member States chose to provide records of their plenary intervention on this agenda item for the Informational Annex to the meeting report: Canada, India, Japan, Thailand, United Kingdom and United States of America.

5. ADMINISTRATION AND MANAGEMENT

5.1 INTRODUCTION TO THE FUNDING PLAN FOR 2012–2013

42 The Executive Secretary and the Vice-Chair for Programme and Budget, Prof. Peter Haugan, on behalf of the Intersessional Financial Advisory Group presented a report on status of IOC budget and a priority funding plan for 2012-2013.

43 **The Executive Council** adopted [Decision EC-XLV/Dec.5.1](#).

44 The following Member States chose to provide records of their plenary intervention on this agenda item for the Informational Annex to the meeting report: Republic of Korea and United Kingdom.

5.2 INTRODUCTION TO THE DRAFT IOC MEDIUM-TERM STRATEGY FOR 2014–2021

45 The Executive Secretary and the Vice-Chair for Programme and Budget, Prof. Peter Haugan, on behalf of the Ad hoc open-ended working group to develop a draft of the Medium-term Strategy for 2014–2021 presented an initial concept of the Draft IOC Medium-Term Strategy for 2013–2021 [IOC XXVI, Decision 4.7].

46 **The Executive Council** adopted [Decision EC-XLV/Dec.5.2](#).

47 The following Member State chose to provide records of their plenary intervention on this agenda item for the Informational Annex to the meeting report: Japan.

5.3 INTRODUCTION TO THE GUIDELINES FOR DRAFT RESOLUTIONS

48 The Vice-Chair for Programme and Budget and and Chair of the Intersessional Open-ended Working Group for the revision of the guidelines for the preparation and consideration of draft resolutions, Prof. Peter Haugan, will report on the conclusions of the Working Group.

49 **The Executive Council**.adopted [Decision EC-XLV/Dec.5.3](#).

5.4 IOC MANUAL

50 The Executive Secretary proposed an addition to document IOC/INF-1193 (2005), Guidelines for the Establishment of Decentralized Offices, with the introduction of a new sub-section 2.4 for the category of 'Partnership Centre', as a direct contribution by Member States to activities of the Commission, as well as with an amendment to section 2.1.7 on 'IOC Project Offices'. The document will be renamed Guidelines for the Establishment of Decentralized Offices and Partnership Centres [IOC XXVI, Decision 9.3.2].

51 **The Executive Council**.adopted [Decision EC-XLV/Dec.5.4](#).

52 The following Member States chose to provide records of their plenary intervention on this agenda item for the Informational Annex to the meeting report: India, Republic of Korea and Thailand.

5.5 PREPARATION OF THE TWENTY-SEVENTH SESSION OF THE ASSEMBLY

53 **The Executive Council** adopted [Decision EC-XLV/Dec.5.5](#).

5.6 PREPARATION OF THE NEXT SESSIONS OF THE EXECUTIVE COUNCIL

54 **The Executive Council** adopted [Decision EC-XLV/Dec.5.6.](#)

6. **ADOPTION OF THE SUMMARY REPORT**

55 The Chair took the decision to defer adoption of the draft Summary Report to be completed by correspondence. The Executive Secretary was instructed to distribute the draft report to Heads of Delegations of the IOC Executive Council. No decision was adopted on the proposed format of this summary report.

7. **CLOSURE**

56 Director-General, Ms Irina Bokova, was invited by the chair to deliver a closing speech. The Director-General reiterated her strong interest in the IOC and emphasized that the IOC programmes are important to all UNESCO goals.

57 The Chair thanked Director-General, and acknowledged her call for action to the Member States in this difficult time for UNESCO and the IOC.

58 The Executive Secretary thanked the Executive Council for its active debate. She thanked the Rapporteur for his kind words and the Officers and staff for their hard work.

59 The Chair stressed the importance of giving priority to science over the legal and political aspects of the work of the Commission. He welcomed UNESCO's strong support for the Commission and thanked the Executive Secretary and the Secretariat, particularly Stephano Belfiore and Patrice Boned, for their hard work.

60 The Chair declared the 45th Session of the Executive Council closed at 18:25 on 28 June 2012.

Intergovernmental Oceanographic Commission
Reports of Governing and Major Subsidiary Bodies



**Forty-fifth Session
of the Executive Council**

Paris, 26–28 June 2012

UNESCO

Intergovernmental Oceanographic Commission
Reports of Governing and Major Subsidiary Bodies

Forty-fifth Session of the Executive Council

Paris, 26–28 June 2012

UNESCO 2012

IOC/EC-XLV/3
Paris, October 2011
Original: English*

* Part I (Decisions Approved) and Annex V (Chair's report) are published separately in English, French, Russian, and Spanish

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- II. [REPORT OF THE CHAIR OF THE SESSIONAL FINANCIAL COMMITTEE](#)
- III. [ADDRESSES AND STATEMENTS](#)
 Ms Irina Bokova, Director-General
 of the United Nations Educational, Scientific and Cultural Organization (UNESCO)
 On the occasion of the closure of the Forty-fifth Session of the IOC Executive Council
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PART I

DECISIONS APPROVED

Language versions are available on the EC website: <http://www.ioc-unesco.org/EC-45>

EC-XLV/Dec.2.1**Agenda**

The Executive Council adopted the agenda and the timetable of work as set out in document IOC/EC-XLV/1 Prov. and Add. with the following modification:

- Item 4.2 The Future Needs for Intergovernmental Coordination and Governance for Sustained Observation and Services and the Future of the Commission.

EC-XLV/Dec.2.2**Rapporteur**

The Executive Council designated Frederico Antonio Saraiva Nogueira of Brazil Rapporteur for its present session to assist the Chair and the Executive Secretary in the preparation of the Chair's Summary of the discussions of the Session.

EC-XLV/Dec.2.3**Sessional Committees and Working Groups**

The Executive Council established the following open-ended sessional committee and one working group and referred to them the following agenda items:

- Financial Committee: agenda items 5.1 and 5.2 under the Chairmanship of Peter Haugan of Norway with the following Member States declaring their wish to participate: Australia, Belgium, Canada, Chile, China, Ecuador, Egypt, France, Germany, India, Japan, Kenya, Malaysia, Mexico, Nigeria, Portugal, Republic of Korea, Russian Federation, South Africa, Tanzania, Thailand, Turkey, U.K. and USA,
- Working Group on Operational Oceanography: agenda item 4.2 with the following Member States declaring their wish to participate: Argentina, Australia, Belgium, Brazil, Bulgaria, Cameroon, Canada, Chile, China, Colombia, Croatia, Ecuador, Egypt, France, Germany, India, Japan, Indonesia, Kuwait, Malaysia, Mexico, Norway, Peru, Portugal, Republic of Korea, Russian Federation, South Africa, Spain, Thailand, Tunisia, Turkey, UK, USA, and EUROGOOS (as observer).

EC-XLV/Dec.2.4

Timetable and documentation

The Executive Council,

Taking note of the cost efficiency measures put in place at this session and the changes to the working methods of the Executive Council as presented in document IOC/EC-XLV/Inf.1, which affect both the timetable and the in-session documentation,

Agrees with the Provisional Timetable (IOC/EC-XLV/1 Prov. Add.) and methods of work pending review of their efficiency at the end of the session.

EC-XLV/Dec.3.1

Statement of the Chair on the State of the Commission

The Executive Council, thanks the Chair for his statement to be published as document IOC/EC-XLV/2 Annex 1 and takes note of its contents and of the interventions of Member States that are reproduced in annex IV.

EC-XLV/Dec.3.2

I. Report of the Executive Secretary

The Executive Council,

Having examined documents IOC/EC-XLV/2 Annex 2 and IOC/EC-XLV/2 Annex 2 Add.,

Takes note of the report of the Executive Secretary on the implementation of the programme and budget since the 26th Session of the Assembly.

II. Ocean Observations and Services

The Executive Council,

Having examined the report of the recent session of the Steering Committee of the Global Ocean Observing System (GOOS-SC-I),

Accepts document IOC/GOOS-SC-I/3s and the recommendations contained therein;

Having examined the report of the recent session of the WMO-IOC Joint Technical Commission for Oceanography and Marine Meteorology (JCOMM-4),

Accepts document JCOMM-IV/3s and the recommendations contained therein.

Having considered the report of the Executive Secretary on the evolution of the International Polar Decade into a concept note for an International Polar Initiative, and the proposed timeline for adoption of the Initiative,

Decides that the International Polar Initiative concept document should be considered by the Assembly at its 27th session, with a view to determining modalities and the level of IOC

participation and giving further guidance in its development in close coordination and consultation with the States Parties to the Antarctic Treaty.

III. Tsunami and Other Coastal Hazards Warning Systems

The Executive Council,

Having considered the reports of the recent sessions of the Intergovernmental Coordination Groups for the Tsunami and Other Coastal Hazards Warning System for the Caribbean and Adjacent Regions (ICG/CARIBE-EWS-VII), for the Tsunami Early Warning and Mitigation System in the North Eastern Atlantic, the Mediterranean and Connected Seas (ICG/NEAMTWS-VIII), and the report of the Working Group on Tsunamis and Other Hazards Related to Sea-Level Warning and Mitigation Systems (TOWS-WG-V),

Acknowledges the Executive Summary Reports ICG/CARIBE-EWS-VII/3s and ICG/NEAMTWS-VIII/3s and the recommendations contained therein;

Decides to continue the TOWS-WG for the next intersessional period with the existing terms of reference and membership.

IV. Regional Subsidiary Bodies

The Executive Council,

Having considered the reports of the recent sessions of the Sub-Commission for Africa and the Adjacent Island States (IOCAFRICA-I) and of the Sub-Commissions for the Western Pacific (WESTPAC-IX),

Accepts the Executive Summary Reports of IOCAFRICA-I/3s and WESTPAC-IX/3s and the recommendations contained therein.

V. Recruitment Process of the IOC Executive Secretary

The Executive Council,

Having examined document IOC/EC-XXXIX/2 Annex 5 and the timeline of the process for the recruitment of the IOC Executive Secretary suggested in document IOC/EC-XLV/2 Annex 2,

Notes the need to review and update the post announcement for Executive Secretary of IOC in what concerns its functions and the agreed post grade of ADG, common to the United Nations system, acting at the service of the Commission;

Agrees with the suggested timeline and requests the Secretariat to include this as an agenda item for the 46th Session of the Executive Council, and prepare the necessary documents.

EC-XLV/Dec.4.1

United Nations Conference on Sustainable Development (Rio+20)

The Executive Council,

Having considered document IOC/INF-1292,

Takes note of the document 'The Future we want' (Rio+20 Outcome document), and sections contained therein particularly relevant to the work of the Commission;

Requests the Executive Secretary to reflect relevant Rio+20 outcomes in the preparation of the Draft IOC Medium-Term Strategy for 2014–2021;

Invites IOC Member States to support the development of a Sustainable Development Goal (SDG) on Oceans.

EC-XLV/Dec.4.2

**The Future Needs for Intergovernmental Coordination and Governance
for Sustained Ocean Observations & Services**

The Executive Council,

Recalling Decision 4.7 of the 26th Session of the IOC Assembly,

Having examined documents IOC/EC-XLV/2 Annex 5, IOC/INF-1291, IOC Workshop Report, 250 and IOC/Future-I/3,

Takes note of their findings and recommendations as well as the extensive discussions and input provided during the Session;

Decides to establish an inter-sessional consultation of all Member States and coordinated by a Vice-Chair to identify scientific and technical issues within the IOC mission and mandate, in order to improve IOC's activities in the area of sustained ocean observations and services;

Further decides that the consultation shall be conducted by correspondence and that a report shall be submitted to the Assembly at its 27th Session through the Executive Council.

EC-XLV/Dec.4.2.1

Centre for the Ocean Data Portal

The Executive Council,

Recalling the importance of supporting technically IOC projects and programmes and of direct contributions by Member States to the activities of the IOC of global and regional scope,

Welcoming the offer of the Russian Federation to establish a Centre for the Ocean Data Portal at RIHMI-WDC of Roshydromet in Obninsk,

Having examined document IOC/EC-XLV/2 Annex 6 concerning the establishment of a Centre for the Ocean Data Portal by the Russian Federation,

Aware of the importance of the IODE Ocean Data Portal to facilitate the seamless access to oceanographic, marine meteorology, and other data and products,

Invites the Russian Federation to consider entering into a partnership agreement with the IOC of UNESCO concerning this Centre with a view to exchanges of information and possible joint activities related to the Ocean Data Portal at RIHMI-WDC of Roshydromet in Obninsk.

EC-XLV/Dec.4.3

Review of the IOC Advisory Body of Experts on the Law of the Sea (IOC/ABE-LOS)

The Executive Council,

Having examined documents IOC/EC-XLV/2 Annex 7 and IOC/INF-1293,

Mindful of IOC Resolution XIX-19,

Taking into consideration the task allotted to the Intersessional Working Group on IOC/ABE-LOS by the IOC Assembly at its 26th session for collating and analyzing the responses and on the basis of this analysis, to:

- (i) prepare a report as a review of IOC/ABE-LOS, and
- (ii) suggest a mechanism to identify and prioritize issues of high interest to the IOC and its Member States,

Noting the conclusions of the Intersessional Working Group on IOC/ABE-LOS,

Takes note of the contribution of the members of the Working Group and the Review of the IOC Advisory Body of Experts on the Law of the Sea (IOC/ABE-LOS);

Decides that IOC/ABE-LOS will continue its work focused on priorities as tasked by IOC governing bodies in line with the Terms of Reference, mobilising extra-budgetary resources when necessary.

EC-XLV/Dec.4.4

Report of the Chair of the Advisory Group on the Ocean Sciences Section

The Executive Council,

Having examined documents IOC/INF-1294 and IOC/INF-1295,

Noting the conclusions of the Ad hoc Advisory Group for the IOC Ocean Sciences Section,

Takes note of the contribution proposed to the preparation of the draft IOC Medium-term Strategy for 2014–2021 and the proposed prioritization of the activities of the Ocean Sciences Section around four strategic themes as developed in IOC/INF-1294.

EC-XLV/Dec.5.1

Status of IOC Budget and Priority Funding Plan for 2012–2013

The Executive Council,

Having examined documents IOC/EC-XLV/2 Annex 3, IOC/EC-XLV/2 Annex 8 & Corr. and IOC/IFAG-2012-1 as well as IOC/INF-1283,

Confirms that the IOC budget for 2010–2011 has been executed in accordance with the approved Programme and Budget 2010–2011;

Expresses its appreciation to the Executive Secretary for the timely information on the financial situation of UNESCO and IOC received through circular letters no. 2416 and 2426;

Expresses great concern for the impact of the financial difficulties of UNESCO on the delivery of the IOC programmes, with the reduction of the IOC budget from US\$ 10,405,400 to 7,179,700 under the provisional work plans for 2012–2013 within the 36 C/5 US\$ 465,000,000 framework;

Recognizes the efforts of the Executive Secretary to maintain programme continuity under these difficult circumstances and to contribute to implement UNESCO's 'roadmap';

Expresses its appreciation to the Director-General for the allocation of US\$ 470,000 to the IOC from the Emergency Fund to enable programme implementation at essential level;

Re-affirms the importance of the IOC as intergovernmental commission with functional autonomy within UNESCO;

Expresses its thanks to the Member States who have already contributed to the Emergency Fund and to the IOC following the cash-flow and budgetary crises of end of 2011 and of the present biennium;

Welcomes the programmatic choices of the Executive Secretary and endorses the provisional work plans for 2012–2013 presented in Annex A hereafter;

Endorses the Priority Funding Plan for 2012–2013 presented by the Executive Secretary in Annex B as an interim measure to ensure programme continuity consistent with the priorities of the Medium-term Strategy for 2008–2013 and without prejudice to the development of the Medium-term Strategy for 2014–2021;

Urges all the IOC Member States to provide voluntary contributions for the financing of the Priority Funding Plan, preferably to the IOC Special Account;

Invites the Executive Secretary to update all the Member States on the status of the programme and budget as the situation in UNESCO and IOC develops.

Annex A to Decision EC-XLV/Dec.5.1**Programme and Budget (2012–2013) with provisional work plans**

High-level Objectives and Actions	Approved 36 C/5 (\$653 M)	36 C/5 (\$465 M Framework)	HQ	Africa	Arab States	Asia/Pacific	Europe	LAC	Field
1 Prevention and reduction of the impacts of natural hazards									
1a <i>Promote integrated and sustained monitoring and warning systems</i>	135,700	60,000	40,000			20,000			20,000
1b <i>Educating communities at risk with respect to natural hazards impact prevention, preparedness and mitigation measures</i>	80,000	20,000	20,000						
1c <i>Contribute to develop Member States' capacities for coastal hazard assessment</i>	80,000								
	295,700	80,000	60,000			20,000			20,000
2 Mitigation of and adaptation to climate change and variability									
2a <i>Increase the understanding of the ocean's role in climate change and variability</i>	284,400	20,000	20,000						
2b <i>Ocean observations and information for climate</i>	576,300	119,000	119,000						
2c <i>Increase the understanding of the impacts of climate change and variability on marine ecosystems and their living resources</i>	70,000	20,000	20,000						
2d <i>Climate change adaptation for Africa and SIDS</i>	80,000								
	1,010,700	159,000	159,000						
3 Safeguarding the health of ocean ecosystems									
3a <i>Regular Process for Global Reporting and Assessment of the State of the Marine Environment</i>	70,000	20,000	20,000						
3b <i>Research and monitoring for the prevention of marine environmental degradation</i>	66,200	30,000	30,000						
3c <i>Capacity-development necessary for maintenance of healthy ocean ecosystems focusing on the regional needs</i>	510,900	80,000	60,000						
	647,100	130,000	110,000			20,000			20,000
4 Management procedures and policies leading to the sustainability of coastal and ocean environment and resources									
4a <i>Regional cooperation through capacity-building and transfer of technology and measures to strengthen IOC Regional Subsidiary Bodies</i>									
- IOCARIBE	255,900	95,000						25,000	25,000
- WESTPAC	74,200	25,000						00	00
- IOC Africa	74,200	30,000				30,000			00
- IOCINDIO	79,200	40,000		40,000					40,000
	28,300								00

High-level Objectives and Actions	Approved 36 C/5 (\$653 M)	36 C/5 (\$465 M Framework)	HQ	Africa	Arab States	Asia/Pacific	Europe	LAC	Field
4b <i>Science for coastal and ocean resource management</i>	90,000								
4c <i>Decision support tools for integrated coastal and ocean management</i>	100,000	30,000	30,000						
	445,900	125,000	30,000	40,000		30,000		25,000	95,000
General policy and coordination									
<i>IOC Governing Bodies and UN consultation and coordination</i>									
- IOC Governing Bodies	505,000	110,000	110,000						
- Participation in UN consultations and coordination: Rio+20	85,000								
- Outreach	20,000								
	610,000	110,000	110,000						
ACTIVITIES NET	3,009,400	604,000	469,000	40,000		70,000		25,000	135,000
Common projects and costs	430,000	188,132	188,132						
TOTAL ACTIVITIES (A)	3,439,400	792,132	657,132	40,000		70,000		25,000	135,000
TOTAL STAFF (B)	6,966,000	6,387,568	83%	5%	0%	9%	0%	3%	17%
TOTAL IOC	10,405,400	7,179,700							

Annex B to Decision EC-XLV/Dec.5.1

Priority Funding Plan for 2012–2013

High level objective	Action	Activity	US\$
1. Prevention and reduction of the impacts of natural hazards	1a. Promote integrated and sustained monitoring and warning systems for coastal and oceanic natural hazards	Two year secondment and associated travel Geophysicist/Seismologist/ to provide technical advice with the development of the regional tsunami warning systems , assist with training activities, and serve as technical secretary for the TOWS Inter-ICG Task Team on Hazard Assessment Related to Highest Potential Tsunami Source Areas.	248,000
		ICG/CARIBE-EWS comprehensive meeting for all four standing working groups under the ICG (in-kind hosting and travel support for participants)	35,000 <i>(estimate: in-kind)</i>
		Upgrade of IOC tsunami mail server (hardware and software) (presently 16,000 subscribe to this service; server is old and can stop any time) ; update and harmonize IOC tsunami ICG web-pages and cataloging of documents across ICGs	30,000
	1b. Educate communities at risk with respect to natural-hazard impact prevention, preparedness and mitigation measures	Co-financing for awareness and education materials produced by the Tsunami Information Centre for the North-eastern Atlantic and the Mediterranean	40,000
	1c. Contribute to develop Member States' capacities for coastal hazard assessment	Host meeting of TOWS and its three task teams; including first meeting of the TOWS-WG Task Team on Hazard Assessment Related to Highest Potential Tsunami Source Areas (in-kind hosting and travel support for participants)	35,000 <i>(estimate: in-kind)</i>
Assessment of seismic and sea level network in Southwest Pacific		20,000	
2. Mitigation of the impacts and adaptation to climate change and variability	2a. Increase the understanding of the ocean's role in climate variability and climate change	Support to the activity on ocean carbon sources and sinks ²	180,000
	2b - Ocean observations and information for climate	Reinforcement of GOOS Regional Alliances in developing country regions with support to apply the GOOS Framework for Ocean Observing at a local level through the development of projects for extrabudgetary capacity development - ocean observations informing decision-support tools	100,000
		Engaging the Convention on Biological Diversity with scientific review of adequacy of observations and development of an implementation plan and goals for GOOS	60,000
		Reinforcement of sea level observations supporting coastal hazard warning	40,000
		GOOS SC and subpanels definition of Essential Ocean Variables	95,000
	2c. Increase the understanding of the impacts of climate change and variability on marine ecosystems and their living resources	Study on effects of climate change on marine ecosystem	60,000
	2d. Climate change adaptation for Africa and SIDS	Support for the organization of a regional workshop on coastal climate change adaptation and hazards mitigation in the Caribbean	40,000
3. Safeguarding the health of ocean ecosystems	3a. Actively contribute to the Regular Process for Global Reporting and Assessment of the State of the Marine Environment, including Socioeconomic Aspects	Support for the development of marine and coastal indicators in the world's LME as part of the Transboundary Water Assessment Programme	45,000

² Currently being negotiated with the Republic of Korea (US\$ 180,000).

High level objective	Action	Activity	US\$
		Support of IOC's participation in the Regular Process (development of RP clearing house mechanism, contribution to RP regional workshops, and development of CD module on marine assessment with Ocean Teacher)	45,000
	3b. Further develop the research and monitoring required for the prevention of marine environment degradation, and the maintenance of biodiversity and the sustainable use of marine habitats	Co-financing of an international symposia and workshop to identify research needs on the relationship between climate-change and the occurrence of harmful algal events. Co-organised with SCOR (GEOHAB), ICES and PICES first quarter 2013; upgrade and further development of OceanTeacher Module for training in HAB monitoring and management	55,000
		Co-financing of the linking of OBIS with the Harmful Algal Information System to be able to merge data on HAB events, their effects, and the distribution of the causative species distribution as a tool for improved management, risk assessment and mitigation (Part of IPHAB-IODE Plan)	40,000
	3c. Identify and develop the capacity-building necessary for maintenance of healthy ocean ecosystems focusing on the regional needs	Project on Strengthening capacities for the mitigation of the impacts and adaption to climate change and variability in the Western Pacific	50,000
	3c.bis IODE/OBIS	Support the organization of a global OBIS scientific conference to promote the use of biogeographic information for climate change related research and decision-making in 2013	80,000
		Organization of a Coastal Atlas training course with a focus on small island developing states	60,000
4. Management procedures and policies leading to the sustainability of coastal and ocean environment and resources	4a. Enhance regional cooperation and involvement of the Member States through capacity-building and transfer of technology	Strengthening oceanographic capacities of Western African countries by supporting participation of scientists in oceanographic cruises ³	300,000
	4b. Facilitate science related to ocean and coastal resource management	Co-financing to the GEF project on Global Foundations for reducing nutrient enrichment and oxygen depletion from land based pollution in support of global nutrient cycle (2013)	48,000
	4c. Enhance development and implementation of decision-support tools that improve integrated ocean and coastal management	Support to the organization of regional training courses on Marine Spatial Planning	60,000
Support to the finalization (editing, translation, printing) of the Coastal Hazards Mitigation Guidelines		28,000	
Policy	Rio+20	Rio+20 work plan ⁴	50,000
	Rio+20 follow-up	Expanding a baseline of capacities in marine sciences, assessment and promotion of national mechanisms to coordinate marine sciences, and enhancement of existing mechanisms to facilitate the transfer of marine technology (2013–2014; year 1 is \$ 99,000)	255,000
Governing Bodies	27th session of the Assembly	Support to the organization of the 27th session of the Assembly	60,000
Total			2,159,000 <i>(including 70,000 in kind)</i> of which 230,000 funded

³ Proposed for the Spanish Fund-in-Trust (cooperation with Spanish Institute of Oceanography).
⁴ Received from India (US\$ 50,000).

EC-XLV/Dec.5.2

Draft IOC Medium-Term Strategy for 2014–2021

The Executive Council,

Having examined document IOC/EC-XLV/2 Annex 9,

Takes note of the initial concept of the Draft IOC Medium-Term Strategy for 2014–2021 presented at the session;

Decides to reconstitute the open ended group Intersessional Financial Advisory Group (IFAG) under the leadership of a Vice-Chair to further develop the Draft IOC Medium-Term Strategy for 2014–2021 and draft Programme Objectives and Expected Outcomes for 2014–2017, to be submitted to the Assembly at its 27th Session for approval;

Recognizes the need to take into account:

- (i) The debate at the 45th Session of the Executive Council,
- (ii) The report of the Ad hoc Advisory Group for the IOC Ocean Sciences Section,
- (iii) Inputs from IOC Subsidiary Bodies and other relevant organizations and processes, in particular the follow-up to United Nations Conference on Sustainable Development (Rio+20),
- (iv) The development of the UNESCO Medium-term Strategy for 2014–2021 (37 C/4),
- (v) The future of the IOC;

Invites the IFAG to:

- (i) Minimize the number of high-level objectives, making them more strategic, aspirational and reflective of societal concerns, such as climate change and disaster risk reduction,
- (ii) Prioritize those strategic actions that reflect IOC's unique mandate within the UN system,
- (iii) Recognize different mechanisms and partnerships for implementation for IOC.

EC-XLV/Dec.5.3

Guidelines for Draft Resolutions

The Executive Council,

Having examined document IOC/EC-XLV/2 Annex 10,

Decides to use the Guidelines on an experimental basis, and requests the Assembly to examine the Guidelines in annex with a view to adopt them in the Assembly at its 27th Session.

Annex to Decision EC-XLV/Dec.5.3

**Seventh Draft Revised Guidelines for the Preparation
and Consideration of Draft Resolutions**

Preamble

Regulations relating to draft resolutions were not included in the IOC Statutes adopted by the Assembly in 1999 but in the IOC Rules of Procedure which were amended in 2001 to render them compatible with the new Statutes of the Commission.

The IOC Rules of Procedure refer to draft resolutions in the introduction and in Rule 42.

The current Rules of Procedure were adopted by the IOC Assembly at its 21st Session on 11 July 2001 by way of Resolution XXI-4 with the exception of the relevant procedure of adopting resolutions, for which the Assembly noted that “a further revision is under way.”

Rule 42 of the IOC Rules of Procedure contains a footnote in similar terms: “While approving the new Rules of Procedure, the 21st session of the Assembly also requested the further revision of Rule 42, process that is under way.”

Although the IOC Assembly at its 21st session provided inputs to be taken into account when considering amendments to Rule 42 of the IOC Rules of Procedure, the IOC Executive Council at its 35th session agreed to retain the wording of Article 42 as it appears in the published Rules of Procedure (IOC/INF-1166).

As a consequence, the IOC Executive Secretary recommended that the updating of the procedure for the preparation and consideration of Draft Resolutions should be done *through written guidelines*, in replacement of the guidelines contained in the IOC Manual and its updated reprint IOC/INF-734 rev.

The task of revising the initial *Guidelines for the Preparation and Consideration of Draft Resolutions* that were included in the IOC Manual of March 1989 (IOC/INF-785, section 9.1) has been a slow and arduous process since 2001.

The preparation, submission, revision and approval of Draft Resolutions are key mechanisms for smooth and efficient running of the Commission.

Since the Rules of Procedure address briefly the mechanism for the preparation and consideration of Draft resolutions, the present Guidelines have been developed on the basis of all relevant documents, including the reports of former chairs of the Resolutions Committee, and on the practice of the Resolutions Committee. This document has been prepared by an open-ended intersessional working group established by the Assembly Decision 9.3.1 at its 26th session.

**Guidelines for the Preparation
and Consideration of Draft Resolutions**

I. Definitions

1. Resolution: Formal expression of a mandate or opinion or a statement of a decision to act made by a Governing Body within the scope of Article II below.
2. Draft Resolution: A proposed text of a Resolution submitted by the relevant source to a Governing Body with a view to its adoption by the Governing Body concerned during the session to which the draft resolution is presented for consideration under the adopted agenda.

3. Decision: Formal expression of a mandate or opinion or a declaration of a decision to act made by a Governing Body not covered by a Resolution. It will be placed within the body of the corresponding Governing Body's session report.

4. Recommendation: Formal expression of an opinion, advice or recommendation by an IOC Subsidiary Body to the IOC Executive Secretary and the body that created it.

II. Scope of a Draft Resolution

5. Draft Resolutions should be prepared only when necessary to fulfil at least one of the following criterion:

- (i) reflect major policy, programmatic, external relations, financial and institutional decisions;
- (ii) approve or modify the Commission's programme and budget;
- (iii) take action on formal Recommendations made to the Commission by any recognized entities concerned with the oceans.

6. Respecting the division of authority and responsibility established in the UNESCO Constitution, Draft Resolutions will not deal with internal matters of the IOC Secretariat nor the mandate of the IOC Executive Secretary or the Director-General of UNESCO.

7. Draft Resolutions should be presented together with their related agenda item. Draft Resolutions should deal only with matters on the agenda of the corresponding session of the Governing Body and should accurately reflect the conclusions of the plenary discussions thereon.

III. Source of a Draft Resolution

8. Draft Resolutions may be submitted by:

- (i) One or more Member States;
- (ii) the Executive Secretary at his/her own initiative.

9. The Executive Secretary will, at the closing of the relevant agenda item, identify the source(s) for submitting the Draft Resolutions as agreed by the Governing Body.

10. No governing body shall adopt a resolution involving expenditure unless it has before it a report by the chair of the Financial Committee containing an indication of the financial impact of each draft resolution.

IV. Submission

11. Whenever possible, proposed text of draft resolutions should be submitted in writing to the Executive Secretary one month in advance and no later than 24 hours before the opening of the session of a Governing Body during which it will be considered for adoption.

12. The Executive Secretary shall circulate the proposed text of Draft Resolutions as soon as practicable to the IOC Member States for information before their formal review by the Resolutions Committee.

13. Upon completion of a formal review by the Resolutions Committee, formatting, editorial changes, and translation of Draft Resolutions into the working languages of the Commission

shall be completed by the IOC Secretariat and then be made available to the delegation members of the Governing Body

14. A draft resolution shall mention whether it replaces, partly or wholly, a past Resolution, stating that the latter is no longer in force.

15. If a draft resolution is made available in the working languages of the Commission to all delegations less than 24 hours prior to the opening session of a Governing Body during which it will be considered for adoption, the Governing Body can decide not to consider it. Despite this rule, the Governing Body can waive this deadlines when it comes to the draft resolution on programme budget

16. During the session, amendments to draft resolutions may be submitted in writing or orally during the discussion of the relevant agenda item in plenary.

V. Structure

17. A Resolution should be published as a self-standing text that contains all the annexes mentioned.

18. The wording of a Draft Resolution should meet the criterion of being *necessary and sufficient* and should avoid extraneous and duplicative material. In particular, a Draft Resolution should not replicate or duplicate a decision already in the body of the corresponding summary report.

19. Draft Resolutions should comprise an initial preambular section, which should be kept to a minimum and should address the question "Why is a Resolution needed?"

20. This should be followed by an operative section, which should define the action called for by the Resolution and how the action is to be carried out. If possible, a Draft Resolution should consist of one preambular section followed by the corresponding operative section. If more than one operative section is envisaged, the Draft Resolution should be subdivided, with each subdivision comprising one preambular section and one operative section for each action.

21. Draft Resolutions shall include a statement on the financial implications stating:

- (i) whether these refer to identified resources in the Regular Programme and Budget (C/5) with an associated work plan;
- (ii) financial implications in terms of:
 - extra-budgetary resources for which there is a formal commitment by one or more Member States or other bodies,
 - extra-budgetary contributions to be sought,
- (iii) when funds would be needed, and for what period, and
- (iv) IOC Secretariat resources over and above the allocation.

In all cases, Draft Resolutions should clearly specify the activities for which extrabudgetary resources are sought. This additional information will inform the discussion of each Draft Resolution by the Financial Committee (see para. 27 below). Once a Resolution is adopted, the financial information mentioned above is removed.

VI. Resolutions Committee

22. A Resolutions Committee should be established at the beginning of each Assembly session or each Executive Council session to consider Draft Resolutions as they are presented to ensure that the text of the Resolution is clear and explicit.

23. The Chairperson of the Resolutions Committee should be agreed upon, among the present delegates, by the Governing Body at the beginning of each Governing Body session.

24. The Resolutions Committee is responsible for determining whether Draft Resolutions placed before it conforms to the scope mentioned in Article 5 to 7 above. If the Resolutions Committee considers it necessary, in terms of brevity, clarity and accuracy, to propose changes in a draft resolution, it should ensure that, these are strictly of an editorial nature so that the substance of the original draft is maintained.

25. The Resolutions Committee has no responsibility for the substance of Draft Resolutions. Should a substantive change be considered necessary for any reason, the Draft Resolution should be referred back to the IOC Executive Secretary, with an explanatory note. To facilitate any eventual redrafting of a Draft Resolution, the originator(s) or his/her/their representative can be invited to the meeting of the Resolutions Committee at which the Draft Resolution in question is discussed.

26. The Resolutions Committee should submit, via the IOC Executive Secretary, any Draft Resolution to the Financial Committee before the Draft Resolution is considered in plenary. The Financial Committee's role is to assess the financial implications, be they explicit or implicit, of Draft Resolutions and thus their practicality. In particular the assessment should clearly identify the funds that are not committed in the current approved budget.

27. The Resolutions Committee should review Draft Resolutions in English. Following Article IV, here above, official translation should be provided if the Draft Resolution is presented in another official language of the Commission. At the same time, at a later stage (after Adoption of Resolutions in plenary), the Resolutions Committee will however have the added responsibility of ensuring that all four language versions of each adopted Resolution are identical in content.

28. The Chairperson of the Resolutions Committee should submit a report to the Governing Body by the end of the session about the proposed Draft Resolutions and the work of the Resolutions Committee.

VII. Subsidiary Bodies

29. In general, Subsidiary Bodies should follow similar procedures to those proposed above for the Governing Bodies when adopting Decisions and Recommendations.

30. In determining whether to formulate Decisions or Recommendations, Subsidiary Bodies should conform to the following general principles:

- (i) Decisions may be formulated if they are within the mandate of the Subsidiary Body, contain actions which involve only the Subsidiary Body and/or its members, and do not have direct implications for IOC, its agreed budget and programme, and membership as a whole;
- (ii) Any actions, within the mandate of a Subsidiary Body, which have budgetary implications for IOC beyond the agreed budget and programme, require actions by the Governing Bodies, or require specific action by an IOC Governing Body (e.g. changes to title or Terms of Reference) and/or require additional actions by the

Secretariat beyond those already mandated under the budget and programme, shall be formulated as Recommendations to an IOC Governing Body.

31. Subsidiary Bodies should review all relevant Governing Body Resolutions still in force that refer to the Subsidiary Body at the date of their session, as well as their own Recommendations, and make recommendations for action, as required/appropriate.

32. Subsidiary bodies should not adopt decisions and recommendations that are not consistent with Resolutions of the Commission in force.

VIII. Publication

33. All resolutions will be published in the official languages of the Intergovernmental Oceanographic Commission.

IX. Coding and citation of Resolutions

34. Assembly Resolutions – [Number of Assembly in roman numerals]-[1,2...number of the particular Resolution]; e.g., IOC Resolution **XXIII-3** (third Resolution adopted by the IOC Assembly at its 23rd Session)

35. Executive Council Resolutions – **EC**-[Number of Executive Council in roman numerals].[1,2...number of the particular Resolution]; e.g., IOC **EC-XXXIX.2** (second Resolution adopted by the IOC Executive Council at its 39th Session).

36. Primary IOC Subsidiary Body Decisions and Recommendations – [Acronym of the Subsidiary Body]-[Number of the session in roman numerals].[1,2...number of the particular Decision]; e.g., **IODE-XVIII.1** (first Decision adopted by the IOC Committee on International Oceanographic Data and Information Exchange (IODE) at its 18th Session).

APPENDIX I

PROPOSED STANDARDIZED PRESENTATION OF DRAFT RESOLUTIONS

A draft resolution is composed of:

The “author”: The Intergovernmental Oceanographic Commission is the “author” of an Assembly Resolution. Otherwise the “author” of Resolutions is the body that adopt the resolutions; e.g. “The Executive Council”.

A preambular part (paragraphs start with a verb in gerund marked in bold face and end with a comma): The preambular part states the problem and briefly identifies the appropriate texts of reference (reports, past decisions/resolutions, etc.) and facts and events. While the following customary preambular terms may be used, it may be helpful to group more than one consideration under one such term (i), (ii) etc. If a report from a Subsidiary Body will require action from the Commission in the active part, it should first be acknowledged in the preambular part (for e.g. Having considered Report...).

Preambular terms: **Having considered, Acknowledging, Appreciating, Welcoming, Noting, Taking note of, Bearing in mind, Aware of, etc.**

An active part (paragraphs starts with an operative verb marked in bold face and end with a semi-colon). The **active** part of the Draft Resolution states precisely what the body in session resolved to do. Every effort should be made to define who or which entity will carry out the

action called for. While the following customary preambular terms may be used, it may be helpful to group more than one consideration under one such term (i), (ii) etc.

Active terms: **Decides; Resolves; Accepts; Endorses; Adopts; Authorizes; Congratulates; Thanks; Supports; Urges; Requests; Invites; Encourages; Calls upon, etc.**

DRAFT RESOLUTION (Acronym-number of the session/**DR.**(number of agenda item)

Submitted by: (See section III of the guidelines)

[TITLE]

The Intergovernmental Oceanographic Commission/The Executive Council,

Having considered, (*comma*)

Acknowledging,

Appreciating, Welcoming, Noting, Taking note of, Bearing in mind, reports, past resolutions or any other documents...,

Emphasizing,

Reiterating,

Reaffirming, Recalling, Recognizing, Considering,... facts, subject,

Accepts Subsidiary Report xx and **decides to take action** on Recommendation ... of a Subsidiary Body as follows:

- (i) Recommendation XX-1
- (ii) Recommendation XX-2;

Requests⁵, **Authorizes** the IOC Executive Secretary to.....; (*semicolon*)

Urges, Encourages, Calls upon relevant governmental authorities in IOC Member States.....

Invites the Director-General of UNESCO...;

Financial implications:

EC-XLV/Dec.5.4

IOC Manual

The Executive Council,

Recalling Decision 9.3.2 of the 26th session of the IOC Assembly,

Having examined document IOC/EC-XLV/2 Annex 11,

⁵ The word "Instruct" and similar expressions will be avoided.

Takes note of its content;

Requests the Executive Secretary to pursue further intersessionally the proposed revision of the guidelines for the establishment of decentralised offices and partnerships centres (IOC/INF-1193), taking into account the comments made at the 45th Session of the Executive Council and in consultation with Officers and Member States as appropriate, and to present the results at the 27th Session of the Assembly.

EC-XLV/Dec.5.5

Preparation of the 27th Session of the Assembly

The Executive Council,

Taking note of Decision 9.4 of the 26th Session of the Assembly (Paris, 21 June–5 July 2011) to hold its 27th Session from 26 June to 9 July 2013, at UNESCO Headquarters in Paris, France,

Having considered the current financial challenges experienced by UNESCO and IOC and the need to achieve cost-effectiveness and efficiency in the organization of the meetings of the Governing Bodies,

Notes that the present financial situation only allows a reduced duration of the 27th Session starting on the 25th of June with the Executive Council at its 16th Session acting, pursuant to Rule of Procedure 19.2, as the Steering Committee of the Assembly and meeting on 24th of June;

Requests the Executive Secretary and the Officers:

- (i) to urgently explore with Member States and the Director-General possibilities for additional funding that would enable the holding of a session with a duration commensurate to the needs of the items on the agenda,
- (ii) to prepare the provisional agenda and timetable of the Assembly and to circulate them not less than five months in advance of the date of opening of the Assembly, pursuant to Rules of Procedure 7 and 8.4.

EC-XLV/Dec.5.6

Preparation of the 47th Session of the Executive Council

The Executive Council,

Having considered EC-XLV, Decision 5.5,

Recommends to the Assembly to re-examine the dates of the 47th Session of the Executive Council, provisionally scheduled to start on Tuesday 24 June 2014, at UNESCO Headquarters in Paris, France.

PART II

PROCEDURAL REPORT

1. OPENING

1 The Chair, Mr Sang-Kyung Byun, opened the 45th Session of the IOC Executive Council at 10:00 on Tuesday 26 June 2012. He announced three new IOC Member States since the last Assembly: Saint Kitts and Nevis; Montenegro, Honduras and Kiribati.

2 The Chair asked participants to stand for a minute of silence to honour distinguished individuals who had participated in the work of the Commission and had passed away during the past year: Dr Ariel González (Argentina), Prof. Dr Mikhail Ivanov (Russian Federation), Dr. Alejandro Rodríguez (Nicaragua), Prof. Makoto Terazaki (Japan), Prof. Masaki Kawabe (Japan), and Dr Jacob Van der Land (the Netherlands).

2. ORGANIZATION OF THE SESSION

2.1 ADOPTION OF THE AGENDA

3 The Chair informed the Executive Council of a change to the Provisional Agenda proposed by the Officers of the Commission at their meeting on Sunday 24 June 2012. The title of agenda item 4.2 was changed from “The Future Needs for Intergovernmental Coordination and Governance for Sustained Observation and Services” to “The Future Needs for Intergovernmental Coordination and Governance for Sustained Observation and Services and the Future of the Commission.” The agenda was adopted as amended. ([Decision EC-XLV/Dec.2.1](#))

2.2 DESIGNATION OF THE RAPPORTEUR

4 The Chair invited the Executive Council to designate a Rapporteur to assist in the preparation of the Draft Summary Report for the present session.

5 Following consultations with Member States the chair proposed that Vice-Chair Frederico A. Saraiva Nogueira (Brazil) serve as Session Rapporteur, which was approved by the Council. ([Decision EC-XLV/Dec.2.2](#))

2.3 ESTABLISHMENT OF INTRASESSIONAL COMMITTEES

6 The Chair invited the Executive Council to form two statutory sessional committees: the Resolutions Committee and the Financial Committee and invited proposals for sessional working groups.

7 **The Executive Council did not establish** the Resolutions Committee, as no Draft Resolutions were received at the secretariat by the given deadline.

8 **The Executive Council established** the Financial Committee under the chairship of IOC Vice-Chairperson Dr Peter Haugan (Norway). The Secretariat staff members responsible for supporting the work of the Financial Committee were Stefano Belfiore and Xenia Yvinec. Two agenda items were referred to the Financial Committee: 5.1, Funding Plan for 2012–2013, and 5.2, Draft IOC Medium-term Strategy for 2014–2021.

9 In addition to the establishment of the regulatory sessional committees, **the Executive Council established** a Working Group on Operational Oceanography (item 4.2 of the agenda). ([Decision EC-XLV/Dec.2.3](#))

10 **The Executive Council agreed** that this Committee would work in English.

2.4 INTRODUCTION OF TIMETABLE AND DOCUMENTATION

11 The Chair invited the Executive Council to adopt the Provisional Timetable (document IOC/EC-XLV/1 Add. Prov.) taking into account: (i) any Executive Council decision to constitute sessional committees and working groups; (ii) the time likely to be required by those groups to report, if requested to do so, to the plenary; (iii) the timely preparation of the Draft Summary Report and Resolutions in all the Commission's working languages; and (iv) the need to benefit from the interpretation service available.

12 The Chair stressed the fact that the Commission was also striving to streamline the reporting of the session as presented in information document IOC/EC-XLV/Inf.1.

13 The Chair informed the Executive Council that those Member States wishing to submit formal statements to be included in the Informational Annex of Individual Member State Interventions to the Summary Report should e-mail them to: IOC_interventions@unesco.org.

14 **The Executive Council adopted [Decision EC-XLV/Dec.2.4](#).**

3. STATUTORY REPORTS

3.1 REPORT BY THE CHAIR ON THE STATE OF THE COMMISSION

15 The Chair, Mr Sang-Kyung Byun, reported on his and the other Officers' activities since the 26th Session of the IOC Assembly (IOC/EC-XLV/2 Annex 1) pursuant to Rule of Procedure 51.2.

16 The following Member States chose to provide records of their plenary intervention on this agenda item for the Informational Annex to the meeting report: [India](#), [Malaysia](#) and [Republic of Korea](#).

17 **The Executive Council adopted [Decision EC-XLV/Dec.3.1](#).**

3.2 REPORT BY THE EXECUTIVE SECRETARY

18 Pursuant to Rule of Procedure 49.1, the Executive Secretary reported on programme implementation, including Subsidiary Bodies, since the 26th Session of the Assembly and provided an update on the financial situation of UNESCO and IOC.

19 She reported on the execution of the budget for 2011–2012.

20 Considering that the appointment of the Executive Secretary will end in November 2013, she proposed a timeline for the recruitment process for the next Executive Secretary.

21 Based on a decision of ICG/CARIBE-EWS-VII, the Executive Council was invited to extend the area of responsibility of the Tsunami and other Coastal Hazards Warning System for the Caribbean and Adjacent Regions (CARIBE-EWS) to the West Atlantic including Greenland, Brazil, Uruguay and Argentina.

22 The Chair presented to **the Executive Council** Decisions 3.2.I, 3.2.II, 3.2.III, 3.2.IV and 3.2.V related to the Report by the Executive Secretary, and invited the Executive Council to discuss adoption of the Decisions.

23 **The Executive Council approved [Decision EC-XLV/Dec.3.2](#) (I to V).**

24 The following Member States chose to provide records of their plenary intervention on this agenda item for the Informational Annex to the meeting report: [Argentina](#), [Canada](#), [India](#),

Iran (Islamic Republic of), Japan, Portugal, Republic of Korea, Turkey and United States of America.

4. GENERAL POLICY

4.1 FOLLOW-UP TO RIO+20

25 The Executive Secretary reported on the IOC Contribution to the Rio+20 Process and United Nations Conference on Sustainable Development (Rio de Janeiro, Brazil, 20–22 June 2012).

26 **The Executive Council adopted [Decision EC-XLV/Dec.4.1](#).**

27 The following Member States chose to provide records of their plenary intervention on this agenda item for the Informational Annex to the meeting report: [Brazil](#) and [Republic of Korea](#).

4.2 THE FUTURE NEEDS FOR INTERGOVERNMENTAL COORDINATION AND GOVERNANCE FOR SUSTAINED OCEAN OBSERVATIONS & SERVICES AND THE FUTURE OF THE COMMISSION

28 The Chair presented the technical report on the scoping of operational oceanography [IOC XXVI, Decision 4.7] and deliberations of the ex-Chairs workshop on the Future of IOC and Operational Oceanography (Varna, Bulgaria, 19 March 2012). A proposal was tabled to evaluate the possibility of developing a legal instrument, possibly an oceanographic data convention, to strengthen and define IOC's role in UNESCO regarding coordinating the needs of global operational oceanography (sustained observations and operational services).

29 **The Executive Council adopted [Decision EC-XLV/Dec.4.2](#).**

30 The following Member States chose to provide records of their plenary intervention on this agenda item for the Informational Annex to the meeting report: [Argentina](#), [Bulgaria](#), [Canada](#), [India](#), [Japan](#), [Malaysia](#), [Republic of Korea](#) and [South Africa](#).

4.2.1 IOC SUPPORT CENTRE FOR THE OCEAN DATA PORTAL

31 The Co-chair of IODE, Mr Ariel Troisi, informed the Executive Council of the offer of the National Oceanographic Committee of the Russian Federation to establish a facility in Obninsk to support the IODE Ocean Data Portal development.

32 In relation to Decision 5.4 on the IOC Manual, the Executive Council was invited to acknowledge the offer of the Russian Federation.

33 **The Executive Council adopted [Decision EC-XLV/Dec.4.2.1](#).**

34 The following Member States chose to provide records of their plenary intervention on this agenda item for the Informational Annex to the meeting report: [India](#), [Malaysia](#) and [Republic of Korea](#).

4.3 Review of IOC/ABE-LOS

35 The Vice-Chair for Regions and the Law of the Sea, Prof. Adoté Blim Blivi, presented the IOC/ABE-LOS Review and the Analysis of the Questionnaire on the IOC Advisory Body of Experts on Law of the Sea [IOC XXVI, Decision 4.8 and Resolution XXVI-4].

36 **The Executive Council adopted [Decision EC-XLV/Dec.4.3](#).**

37 The following Member States chose to provide records of their plenary intervention on this agenda item for the Informational Annex to the meeting report: [Japan](#) and [Republic of Korea](#).

4.4 REPORT OF THE CHAIR OF THE AD HOC ADVISORY GROUP FOR THE OCEAN SCIENCES SECTION

38 The Vice-Chair for Ocean Sciences, Dr Atanas Palazov, reported on the conclusions of the Ad hoc Advisory Group for the IOC Ocean Sciences Section and its contribution to the Draft IOC Medium-Term Strategy for 2013–2021 [IOC XXVI, Decision 8.1].

39 On this occasion, the Vice-Chair for Ocean Sciences provided an update on the practical plan of action describing IOC/ICAM regional and global implementation, prepared as an information document based on the inputs received by IOC Regional Subsidiary Bodies [IOC XXVI, Decision 8.2].

40 **The Executive Council adopted [Decision EC-XLV/Dec.4.4](#).**

41 The following Member States chose to provide records of their plenary intervention on this agenda item for the Informational Annex to the meeting report: [Canada](#), [India](#), [Japan](#), [Thailand](#), [United Kingdom](#) and [United States of America](#).

5. ADMINISTRATION AND MANAGEMENT

5.1 INTRODUCTION TO THE FUNDING PLAN FOR 2012–2013

42 The Executive Secretary and the Vice-Chair for Programme and Budget, Prof. Peter Haugan, on behalf of the Intersessional Financial Advisory Group presented a report on status of IOC budget and a priority funding plan for 2012–2013.

43 **The Executive Council adopted [Decision EC-XLV/Dec.5.1](#).**

44 The following Member States chose to provide records of their plenary intervention on this agenda item for the Informational Annex to the meeting report: [Republic of Korea](#) and [United Kingdom](#).

5.2 INTRODUCTION TO THE DRAFT IOC MEDIUM-TERM STRATEGY FOR 2014–2021

45 The Executive Secretary and the Vice-Chair for Programme and Budget, Prof. Peter Haugan, on behalf of the Ad hoc open-ended working group to develop a draft of the Medium-term Strategy for 2014–2021, presented an initial concept of the Draft IOC Medium-Term Strategy for 2013–2021 [IOC XXVI, Decision 4.7].

46 **The Executive Council adopted [Decision EC-XLV/Dec.5.2](#).**

47 The following Member States chose to provide records of their plenary intervention on this agenda item for the Informational Annex to the meeting report: [Iran \(Islamic Republic of\)](#) and [Japan](#).

5.3 INTRODUCTION TO THE GUIDELINES FOR DRAFT RESOLUTIONS

48 The Vice-Chair for Programme and Budget and and Chair of the Intersessional Open-ended Working Group for the revision of the guidelines for the preparation and consideration of draft resolutions, Prof. Peter Haugan, reported on the conclusions of the Working Group. No country submitted statements.

49 **The Executive Council adopted [Decision EC-XLV/Dec.5.3](#).**

5.4 IOC MANUAL

50 The Executive Secretary proposed an addition to document IOC/INF-1193 (2005), Guidelines for the Establishment of Decentralized Offices, with the introduction of a new sub-section 2.4 for the category of 'Partnership Centre', as a direct contribution by Member States to activities of the Commission, as well as with an amendment to section 2.1.7 on 'IOC Project Offices'. The document will be renamed Guidelines for the Establishment of Decentralized Offices and Partnership Centres [IOC XXVI, Decision 9.3.2]. No country submitted statements.

51 **The Executive Council adopted [Decision EC-XLV/Dec.5.4](#).**

52 The following Member States chose to provide records of their plenary intervention on this agenda item for the Informational Annex to the meeting report: [India](#), [Republic of Korea](#) and [Thailand](#).

5.5 PREPARATION OF THE TWENTY-SEVENTH SESSION OF THE ASSEMBLY

53 **The Executive Council adopted [Decision EC-XLV/Dec.5.5](#).**

5.6 PREPARATION OF THE NEXT SESSIONS OF THE EXECUTIVE COUNCIL

54 **The Executive Council adopted [Decision EC-XLV/Dec.5.6](#).**

6. ADOPTION OF THE SUMMARY REPORT

55 The Chair took the decision to defer adoption of the draft Summary Report to be completed by correspondence. The Executive Secretary was instructed to distribute the draft report to Heads of Delegations of the IOC Executive Council. No decision was adopted on the proposed format of this summary report.

7. CLOSURE

56 Director-General, Ms Irina Bokova, was invited by the chair to deliver a closing speech. The Director-General reiterated her strong interest in the IOC and emphasized that the IOC programmes are important to all UNESCO goals.

57 The Chair thanked Director-General, and acknowledged her call for action to the Member States in this difficult time for UNESCO and the IOC.

58 The Executive Secretary thanked the Executive Council for its active debate. She thanked the Rapporteur for his kind words and the Officers and staff for their hard work.

59 The Chair stressed the importance of giving priority to science over the legal and political aspects of the work of the Commission. He welcomed UNESCO's strong support for the Commission and thanked the Executive Secretary and the Secretariat, particularly Stephano Belfiore and Patrice Boned, for their hard work.

60 The Chair declared the 45th Session of the Executive Council closed at 18:25 on 28 June 2012.

ANNEX I

AGENDA

- 1. OPENING**
- 2. ORGANIZATION OF THE SESSION**
 - 2.1 ADOPTION OF THE AGENDA
 - 2.2 DESIGNATION OF THE RAPPORTEUR
 - 2.3 ESTABLISHMENT OF SESSIONAL COMMITTEES
 - 2.4 INTRODUCTION OF TIMETABLE AND DOCUMENTATION
- 3. STATUTORY REPORTS**
 - 3.1 STATEMENT OF THE CHAIR ON THE STATE OF THE COMMISSION
[Rule of Procedure 21.2c]
 - 3.2 REPORT OF THE EXECUTIVE SECRETARY ON PROGRAMME
IMPLEMENTATION & REPORT ON THE BUDGETARY SITUATION
[Rule of Procedure 49.1]
- 4. GENERAL POLICY**
 - 4.1 FOLLOW-UP TO RIO+20
[IOC-XXVI/3, Decision 4.7]
 - 4.2 THE FUTURE NEEDS FOR INTERGOVERNMENTAL COORDINATION AND
GOVERNANCE FOR SUSTAINED OCEAN OBSERVATIONS AND SERVICES
AND THE FUTURE OF THE COMMISSION
[IOC-XXVI/3, Decision 4.7]
 - 4.2.1 IOC SUPPORT CENTRE FOR OCEAN DATA PORTAL
[Rule of Procedure 21.2d]
 - 4.3 REVIEW OF IOC/ABE-LOS
[IOC-XXVI/3, Decision 4.8]
 - 4.4 REPORT OF THE CHAIR OF THE ADVISORY GROUP
ON OCEAN SCIENCES
[IOC-XXVI/3, Decision 8.1]
- 5. ADMINISTRATION AND MANAGEMENT**
 - 5.1 FUNDING PLAN FOR 2012–2013
[IOC-XXVI/3, paragraph 263]
 - 5.2 DRAFT IOC MEDIUM-TERM STRATEGY FOR 2014–2021
[IOC-XXVI/3, Decision 4.7 and Resolution XXVI-11]
 - 5.3 GUIDELINES FOR DRAFT RESOLUTIONS
[IOC-XXVI/3, Decision 9.3.1]
 - 5.4 IOC MANUAL
[IOC-XXVI/3, Decision 9.3.1]
 - 5.5 PREPARATION OF THE TWENTY-SEVENTH SESSION OF THE ASSEMBLY
[Statutes Art. 7.C.8; Rule of Procedure 8.3 & 21.2(c)]

5.6 PREPARATION OF THE NEXT SESSIONS
OF THE EXECUTIVE COUNCIL
[Rule of Procedure 19.2]

6. REPORT

7. CLOSURE

ANNEX II

REPORT OF THE CHAIR OF THE SESSIONAL FINANCIAL COMMITTEE

Peter Haugan (IOC Vice-Chair, Norway)

The Financial Committee held three meetings during the 45th Session of the IOC Executive Council. The Chair of the sessional Financial Committee, Dr Peter M. Haugan, IOC Vice-Chair in charge of financial matters and Chair of the Intersessional Financial Advisory Group (IFAG), reported on the work of the sessional Financial Committee. The committee dealt with two issues based upon the outcome of the work previously mandated to the IFAG.

Status of IOC Budget and Priority Funding Plan for 2012–2013

The Committee examined documents IOC/EC-XLV/2 Annex 3, IOC/EC-XLV/2 Annex 8 and IOC/IFAG-2012-1 as well as IOC/INF-1283, and concluded that the budget and priority funding plan was developed and implemented consistently with the Governing Body recommendations. The committee elaborated the decision for the agenda item 5.1.

Draft IOC Medium-Term Strategy for 2014–2021

The committee examined IOC/EC-XLV/2 Annex 9. The committee elaborated the decision for the agenda item 5.2.

ANNEX III

ADDRESSES AND STATEMENTS

**Ms Irina Bokova, Director-General
of the United Nations Educational, Scientific and Cultural Organization (UNESCO)
On the occasion of the closure of the Forty-fifth Session of the IOC Executive Council**

28 June 2012

Mr. Sang-Kyung Byun, Chair of the Intergovernmental Oceanographic Commission,
Officers of the Intergovernmental Oceanographic Commission,
Excellencies,
Ladies and Gentlemen,

It is a great pleasure to be here to close the 45th session of the Executive Council of the *Intergovernmental Oceanographic Commission*. It is not the first time that I am saying this, that the *IOC* is a UNESCO flagship.

The future of earth depends on the ocean – as the source of life, as the prime regulator of climate, as a key provider of economic and social services.

This is a core message to be taken away from the United Nations Conference on Sustainable Development – Rio+20 – about which I will speak more below.

The Intergovernmental Oceanographic Commission is a small structure with a global mandate.

This is why I am so pleased this session has been organised despite our current difficulties and thanks to the cooperation between Member States and the Secretariat, in full respect of the Rules of Procedure and with some innovation in practice.

I see this as a model of flexibility in pursuing our vital mandate.

Much has changed since the 26th session of the Assembly last year.

Four new States have joined the Commission — Honduras, Kiribati, Montenegro, and Saint Kitts and Nevis.

This brings membership to 144 States and is a powerful sign of both vitality and trust.

Last October, I was honoured to launch the operational phase of an Indian Ocean regional tsunami advisory service, provided by Australia, India and Indonesia, and I visited the centre during my official visit in Indonesia.

This marked the culmination of six years of work and the start of a new era of cooperation in the Indian Ocean.

This year, in the North-Eastern Atlantic and Mediterranean, two Tsunami Watch Providers will start issuing national tsunami advisories, available to all members from the region. A full scale exercise -- NEAMWave12 -- will take place in the autumn to test the system's readiness.

In May, the IOC Sub-Commission for Africa and the Adjacent Island States (IOCAFRICA) held its first session in Nairobi.

Twenty two Member States and relevant international organizations and programmes came together to develop a strategy and a work plan for the biennium.

This is a powerful contribution to UNESCO's Global Priority Africa.

I am pleased to see the increasing activities of the IOC Sub-Commission for the Western Pacific (WESTPAC), whose 9th session met in Busan in the Republic of Korea.

A number of countries have offered to host Regional Training and Research Centres to advance marine sciences – these may, indeed, merit eventual consideration as UNESCO Category II Centres.

Yeosu Expo 2012 is successfully underway.

Hosted by the Republic of Korea, as you know, the theme is “The Living Ocean and Coasts,” with the Intergovernmental Oceanographic Commission playing a very prominent role.

This expo opened with an exhibition by UNESCO, “One planet, One ocean”, which attracted over 4000 visitors in one week end! Further details of this highly successful event are available for you to browse on our website.

In Yeosu, the IOC co-convened the 2nd International Symposium on the Effects of Climate Change in the World's Ocean, together with regional organizations in marine sciences.

Also in Yeosu, the 4th Session of the WMO-IOC Technical Commission on Oceanography and Marine Meteorology in May advanced work with our partners, the World Meteorological Organization and meteorological and oceanographic institutions around the world, to improve ocean observations and marine services – and, not least, also elected a woman co-chair for oceanography.

As we balance marine meteorology and oceanography, it is also good, indeed, to balance gender!

JCOMM-4 was also entirely funded by the generous support of the Republic of Korea, including costs normally that would have been the responsibility of IOC/UNESCO under our agreement with WMO. We are grateful to the Republic of Korea.

This is an excellent example of a Member State standing up and contributing to the collective work of the Commission and of UNESCO.

I hope that other Member States are able to follow this example. Not all are in a position to do so of course, but I have been heartened by the number and breadth of Member States that have expressed their support for UNESCO.

Mesdames et Messieurs,

Je voudrais maintenant si vous le permettez revenir un instant sur la Conférence des Nations Unies sur le développement durable, d'où je viens de rentrer.

L'océan y a occupé une place de tout premier plan – à la fois lors de nombreuses manifestations parallèles et dans le document final, où un chapitre entier y est consacré.

La COI était au centre des regards : coprésidant la Journée internationale de l'océan, présidant notre propre manifestation sur l'océan, et en organisant, juste avant la Conférence, une séance très bien accueillie consacrée à l'océan dans le cadre du forum UNESCO-CIUS sur la science, la technologie et l'innovation.

La nécessité de protéger l'océan, et l'importance de la coopération internationale dans le domaine, ressortent comme les messages les plus forts de cette conférence.

Le paragraphe 158 du document final stipule : « Nous sommes conscients que les océans, les mers et les zones littorales font partie intégrante et essentielle de l'écosystème de la Terre et sont indispensables à sa survie ».

Il met également en exergue le transfert de technologie selon les Critères et principes directeurs de la COI concernant le transfert de techniques marines.

Le plaidoyer de l'UNESCO a été entendu, sur les sujets de l'acidification des océans, l'importance de l'observation océanique, le renforcement des capacités des États membres.

Notre Plan pour la durabilité de l'océan et des zones côtières – aura été notre principal outil pour faire passer ces idées. Elles ont fait leur chemin jusque dans le document final.

Dans le cadre d'une collaboration avec le Secrétaire général de l'Organisation des Nations Unies et d'autres partenaires du système, nous travaillons maintenant à l'élaboration d'un pacte des océans (Oceans Compact).

Ce travail va mobiliser le système des Nations Unies, les gouvernements, les organisations intergouvernementales et non gouvernementales, les scientifiques, le secteur privé et l'industrie, l'objectif étant de protéger et de rétablir la santé et la productivité des océans.

Cette démarche s'appuiera sur la Commission océanographique intergouvernementale dont le rôle reste sans équivalent.

J'ai la conviction que ce domaine de compétence essentiel doit être approfondi dans l'intérêt des États membres, en particulier des pays les moins avancés et des petits États insulaires en développement.

Rio + 20 n'a jamais été conçu comme le sommet où seraient clarifiées et réglées toutes les questions liées au développement durable.

C'est plutôt le début d'un processus et sur la question des océans, il représente une avancée indéniable. C'est un socle à partir duquel nous devons maintenant construire.

Mesdames et Messieurs,

Depuis trois jours, vous avez discuté de sujets d'un intérêt vital pour l'avenir de la Commission océanographique intergouvernementale.

Vous avez pris des décisions essentielles.

Vous avez adopté un plan de financement prioritaire. Il est maintenant vital de le mettre en œuvre, pour permettre à la COI d'exécuter pleinement le programme adopté l'an dernier.

L'enjeu revêt d'autant plus d'importance aujourd'hui, alors que l'UNESCO doit définir ce que sera sa prochaine Stratégie à moyen terme.

La Commission océanographique intergouvernementale doit occuper une place centrale dans le prochain C/4.

La COI a bénéficié du Fonds d'urgence de l'UNESCO, et j'envisage de lui apporter des ressources supplémentaires afin de renforcer ses programmes essentiels.

Nous savons tous ici qu'il n'existe pas de solution nationale satisfaisante aux difficultés que nous rencontrons. L'avenir tient en deux mots : coopération multilatérale.

S'il existe un bien commun mondial par excellence, c'est l'océan.

Toutes les sociétés, tous les pays, côtiers ou enclavés, ont intérêt à ce que l'océan soit sain et productif.

L'océan prend soin de nous. Il est grand temps de prendre soin de lui.

Je vous remercie.

ANNEX IV

INFORMATIONAL ANNEX

Record of Member States' interventions at the 45th Session of the IOC Executive Council that were provided to the IOC Secretariat by the respective Member States. Interventions are reprinted without review or verification.

3.1 Report by the Chair on the State of the Commission

India

We just want to bring to your notice an important event that you had missed in your report. On 12 October 2011, IOWave11 was conducted involving all member countries on the Indian Ocean rim under the supervision of IOTWS/ICG. Mr. Chairman, following this event the DG of UNESCO, Madam Bokova officially designated the tsunami warning centers in Australia, India and Indonesia as the Regional Tsunami Service Providers (RTSP) for the Indian Ocean Region.

Malaysia

The Malaysian delegation wishes to repond to your Report on the Status of Marine Renewable Energy Technology workshop which was held in Melaka, Malaysia from 16-18th February 2012.

We would like to take this opportunity to express our appreciation for the opportunity to organise the event and for the support provided by IOC/UNESCO, particularly from the IOC/WESPAC office and the Republic of Korea. We also wish to express our special thanks to the invited country-experts from 11 countries namely, Malaysia, Republic of Korea, Republic of Indonesia, New Zealand, Australia, Japan, People's Republic of China, Fiji, Vietnam, Philippines and Denmark.

Since this is a new initiative for oceans science in the context of sustainable development, we addressed the energy needs, the potential of renewable resources that can be tapped from the sea namely from, waves, tides, current and ocean thermal energy particularly that has benefits to the coastal communities.

As the outcome of the workshop, a working group is proposed and this was reported in the 9th Intersessional Meeting of Sub-Commission of IOC-UNESCO in the Western Pacific in May, Busan, Republic of Korea. Publication of the Status of Marine Renewable Energy in Westpac region was also proposed.

With regards to the establishment of the Working Group, we invite IOC member countries to participate and recommend experts towards the preparation of collaborative programs with WESPAC countries.

Republic of Korea

Republic of Korea would like to take this opportunity to express our appreciation on your strong leadership to engage member states into closer collaboration by establishing network among the member countries.

As mentioned in the Chair's report, the forum on the operational oceanography of IOC for Eastern European Countries would be one of good initiation on these efforts. The forum was held in Varna, Bulgaria last March with the participation of 11 member states of Group 2 with financial support from Republic of Korea. We think the forum provided a platform not only to exchange the information but also to find the solution on the current status of ocean observation system. Furthermore, the forum was a good opportunity to provide regional cooperative network among participating countries.

The Republic of Korea will continuously support the IOC chair's initiation to establish network for other regional group within IOC framework by providing financial support. We believe that this initiative will contribute to enhance IOC's role in world society by promotion of IOC regional activities. We will consult continuously with IOC Secretariat with respect to its optimal implementation.

3.2 Report of the Executive Secretary on Programme Implementation & Report on the Budgetary Situation

Argentina

En lo relativo a los Grupos de Coordinación sobre Sistemas de Alerta Temprana, la Argentina encuentra de gran valor la importante tarea que se viene llevando a cabo y, en particular, la del Grupo Intergubernamental de Coordinación del Sistema de Alerta contra los Tsunamis y otras Amenazas Costeras en el Caribe y Regiones Adyacentes (ICG/CARIBE-EWS) por su dinamismo.

Habiendo dicho esto, es preciso también mencionar que con sorpresa vemos que en la propuesta de Decisión 3.2 se incluye la ampliación del área de responsabilidad del Grupo Intergubernamental de Coordinación del Sistema de Alerta contra los Tsunamis y otras Amenazas Costeras en el Caribe y Regiones Adyacentes (ICG/CARIBE-EWS) para todas las costas del "Atlántico Occidental", que no están actualmente cubiertas por el Grupo o por un centro de alerta.

Desafortunadamente, la Argentina no ha sido consultada sobre el particular ni ha participado de la reciente reunión del Grupo en Curacao, donde se originó la propuesta de ampliación del área. La falta de información sobre los fundamentos que motivaron el proyecto de decisión impulsado hace que el mismo resulte prematuro y estamos convencidos que debe encararse un estudio respecto de la necesidad, viabilidad y de modalidades de una iniciativa de este tipo para áreas más allá del Caribe y el Atlántico Noroccidental. Nuestros científicos opinan que el Atlántico Sudoccidental es geológicamente estable, no registra ocurrencias de tsunamis, ni sufre los efectos de huracanes.

Debe evaluarse, a su vez, en términos de participación por parte de cada uno de los Estados involucrados y los costos financieros asociados. En ausencia de esta información básica, mi país no se encuentra en condiciones de acompañar el pedido de ampliación, por lo menos en lo que respecta al Atlántico Sur y solicitamos que el Consejo Ejecutivo de la COI retome la consideración de esta iniciativa específica solo una vez que el referido estudio de factibilidad haya sido completado.

Por otro lado, la competencia para realizar un estudio sobre la necesidad, viabilidad y modalidad de integrar un grupo de coordinación del sistema de alerta de Tsunamis es potestad de cada Estado Parte de la Convención. En este sentido, consideramos que las consultas deberán continuar entre las Partes estrictamente involucradas y, en nuestro caso particular, tenemos una alianza regional sobre oceanografía con Brasil y Uruguay, OCEATLAN, que es el ámbito de tratamiento del tema de referencia.

Respecto a la "Iniciativa Polar Internacional" (IPI) con comienzo previsto para 2015, la Secretaria Ejecutiva expresa que una vez que el "Concept Note" sobre dicha Iniciativa tenga un mayor grado de desarrollo se prevé que se hagan consultas a los Estados. Luego agrega "The IOC Assembly in 2013 may be asked formally for input on the developing IPI."

Tal como esta Delegación expresara durante la pasada Asamblea, estos procesos de decisión de IPI deben incluir la estrecha coordinación y consulta con las Partes Consultivas del Tratado Antártico y solicitamos que esto conste expresamente en el Informe Final de este CE.

Adicionalmente, la participación de la COI en tal Iniciativa debe ser objeto de consideración de sus Estados Miembros, con el tiempo de antelación suficiente para que las áreas competentes realicen un análisis adecuado, ya que no es una facultad de la Secretaría decidir por sí misma si lo presentará o no a la próxima Asamblea en 2013.

Señor presidente, nuestra propuesta es eliminar los párrafos 3 y 4 del proyecto de decisión EC-XLV/Dec.3.2(III) modificado y vamos a explicar por qué.

La competencia para realizar un estudio sobre la necesidad, viabilidad y modalidad de integrar un grupo de coordinación del sistema de alerta de Tsunamis es potestad de cada Estado Parte de la Convención.

La Argentina objeta el procedimiento adoptado por no haber sido consultada sobre el tenor de la iniciativa, la cual fue adoptada en una reunión en Curacao a la que no fuimos invitados.

Hemos dado a conocer esta iniciativa a nuestro gobierno; así como a otro gobierno involucrado que no estaba enterado de la propuesta que surgió en la reunión de Curacao ni del proyecto de decisión impulsado en esta reunión.

En este sentido, consideramos que las consultas deberán continuar entre las Partes estrictamente involucradas y, en nuestro caso particular, tenemos una alianza regional sobre oceanografía con Brasil y Uruguay, OCEATLAN, que es el ámbito de tratamiento del tema de referencia.

Canada

Canada would like to express its appreciation to the Director General of UNESCO and to those member states who provided additional resources for their increased support to IOC during this challenging period

We would like to thank the Executive Secretary and the Vice Chair Peter Hoguen on their clear presentation on the IOC activities and the budgetary situation. In this regard, we would like to also thank Stefano and Ksenia for the clarity of the financial report; they have been instrumental in improving this report over the years.

Canada congratulates the Executive Secretary and the officers on the progress made on the many activities of IOC in spite of the budget reductions and their success to attract funding to deal with the issues. It has not been an easy time for IOC, but they have been able to keep IOC in the lime light.

This is a critical time for IOC and for the ocean science, but it is also an opportunity to rethink the priorities of IOC and how we deliver on them.

We are looking forward to working with the Finance Committee sessionally and intersessionally to develop a medium-term strategy for IOC and a multi-year work plan aligned with the mandate and the priorities, and in partnership with other sister organizations.

In this regard, we look forward to the report of the Joint Inspection Unit on UN Oceans as it could provide additional guidance on how to strengthen our partnerships with other organizations.

India

Our delegation would like to thank and congratulate the Executive Secretary for a comprehensive report highlighting the various activities under four HLOs of commission. One of the important activity had been the preparation of a Blue print on ocean and coastal Sustainability and IOC making a Statement on "IOCs Special Contribution to Sustainable Development" to the Rio+20 We are happy to note that IOC has played an active role in Rio+20 negotiation process, to promote key areas of interest of its Member States, such as ocean acidification and the importance of ocean observation in support of the UN Regular Process and the mandate of IOC in strengthening the capacity building requirements of its Member States.

Our delegation also take this opportunity to reiterate India's commitment to work closely with IOC in promoting ocean observations, operational oceanography and other capacity building activities of IOC.

Iran (Islamic Republic of)

Ocean Sciences: Marine Science and Technology Group of the Iranian Ministry of Science, Research, and Technology was formed with the aim of reviewing the educational programs and preparing educational syllabi in the different fields of Oceanography while paying special attention to interdisciplinary fields.

The Marine Science and Technology Group has four committees:

- The Ocean Engineering Committee
- The Ocean Social Sciences Committee
- The Ocean Biology Committee
- The Ocean Non-Biology Committee

Ocean Observation and Services: The Islamic Republic of Iran welcomes efforts for intergovernmental coordination in operational oceanography. With regards to future needs in this respect, we propose the making laws for the facilitation and regulation of free use and exchange of oceanographic satellite data. Further, we encourage capacity building in this field.

Moreover, the Iranian National Institute for Oceanography on behalf of the government of the Islamic Republic of Iran has planned the most magnificent historical cruise in the Persian Gulf and the Gulf of Oman starting from October 2012. The project is named PG-GOOS, which stands for *Persian Gulf & Gulf of Oman Oceanographic Survey and Study*. This project has received US\$2 million in federal funding.

Japan

Japan would like to appreciate the tremendous efforts to hold this 45th Executive Council under very severe financial condition of IOC. As answering the questionnaire, Japan strongly suggested that we should hold the Executive Council even if it has to shorten the session. Japan would like to appreciate the IOC office for taking into account our suggestion.

Concerning on the members of the steering committee of the Global Ocean Observing System, only two members are from Asia serving the activity of the committee among the membership of 20. Japan concerns the regional balance of membership toward the global ocean observations.

With regard to JCOMM, we would like to extend our appreciation to the IOC secretariat and relevant members for holding that meeting in the time of financial difficulties. In view of the importance of the JCOMM activities, Japan would like to ask IOC to continue its support to the JCOMM activities.

Tsunami and other coastal hazards warning system is one of the crucial pillars of the IOC high-level objectives. In this regard, Japan commends the significant progress in all ICGs and IOC efforts to facilitate them under the very tight budgetary situation in these days.

In particular, as Mr. Chairman mentioned, an international symposium entitled 'The Great East Japan Tsunami and Tsunami Warning System: Policy Perspectives' was held at United Nations University in Tokyo, Japan, 16-17 February 2012.

It was attended by almost 300 participants including His Imperial Highness Crown Prince, higher level of officials of Japanese Government and international experts. The summary statement is available on the IOC website for the reference of Member States.

Among them, in particular, Japan congratulates the launch of the Indian Ocean Regional Tsunami Service Provider, RTSP, services on 12th October in 2011, followed by the successful operation by the three RTSP during the Sumatra event on 11th April in this year, 2012.

Japan has been supporting the WESTPAC activity since the establishment of the WESTPAC. Japan welcomes the establishment of IOCAFRICA. Regional activities are quite important not only at the regional level but also at the global level of the achievements of the Commission.

In this regard, Japan, together with our newly elected Chair of the WESTPAC, Dr. Somkiat of Thailand, would like to support the IOCAFRICA activity through exchanging our successful experiences of the WESTPAC activities.

In conclusion, my delegation would like to support the decisions presented in the annotated agenda in front of us, expressing again our concerns regarding the geographically unbalanced membership of the GOOS Steering Committee.

Portugal

Concernant le point du rapport de la Secrétaire Exécutive au sujet du processus de recrutement du prochain Secrétaire Exécutive de la COI, mentionne dans le point V du projet de décision, le délégué du Portugal a souligné l'importance de cette procédure.

Sur la base d'une analyse approfondie des procédures suivies dans le passé, ainsi que du texte de l'annonce pour ce même poste, et encore tenant compte du débat sur cette question lors de la 41ème session du Conseil Exécutif de la COI au point 5.3 de l'agenda, il a soulevé l'importance de profiter de cette opportunité pour :

- actualiser le texte des fonctions
- réitérer que ce poste a le grade de Sous-Directeur Général, commun au système des Nations Unis, au Service de la Commission.

En accentuant ce dernier point, on a en vue de contribuer à la clarification des fonctions et des lignes hiérarchiques directes du Secrétaire Exécutif vis-à-vis de la Commission.

Dans ce but, le Portugal a suggéré la Constitution d'un petit groupe de rédaction pour élaborer, au cours de cette session du Conseil Exécutif, le texte de l'annonce de concours au poste de Secrétaire Exécutif et pour vérifier la conformité de la procédure.

Republic of Korea

First of all, I would like to commend the excellent work of the IOC Executive Secretary, Ms. Wendy Watson-Wright, and the Secretariat in implementing the programmes of the IOC since the last Assembly, amid many challenges and urgent global issues. In particular, the IOC Sub-Commission for Africa and Adjacent Island States (IOCAFRICA) was established in Nairobi last May with the financial support of the Republic of Korea. Despite the current financial difficulties facing UNESCO and the IOC, I hope support for the new born sub-commission will remain a high priority in order to successfully implement its mission. In this regard, I am pleased to inform you that the Republic of Korea will continue its support for IOCAFRICA, through the Yeosu project and other ODA programmes.

Recognizing the importance of the IOC Executive Secretary position, it is clear that all member states should work towards a consensus on the matter of the selection of the Executive Secretary. Hence, my delegation fully supports the suggested timeline of the recruitment process.

Mr Chair, On behalf of my Government, I would like to express my gratitude to the IOC for its support and joint organization of events during the Expo 2012 in Yeosu, Korea. I am pleased to report that the 9th session of IOC/WESTPAC, the 2nd PICES/ICES/IOC Climate Change Workshop, and the 4th JCOMM symposium that took place during the Expo all concluded successfully.

In addition, Mr. Ban Ki-moon, UN Secretary-General, and Madam Irina Bokova, UNESCO Director-General, as well as Ms. Wendy Watson-Wright and other IOC officials will join the closing ceremony of the Expo 2012, which will conclude with the Yeosu Declaration.

The Yeosu Declaration aims to provide a vision for the transition to blue-green economies that keep the ocean healthy while also ensuring the harmonious prosperity of humankind.

I hope the IOC and its member states will continue their support for the successful completion of the Expo 2012 Yeosu Korea.

Finally, I would like to stress the importance of member states and the Secretariat's joint efforts to overcome the challenges currently facing UNESCO and the IOC. A clear focus on deliverable results, the strategic delegation of priorities, effective monitoring and evaluation of output – the seare all necessary to wisely overcome our difficulties and ensure successful implementation of programmes. In this regard, I would like to reaffirm the Republic of Korea's strong commitment to the programmes of the IOC.

Turkey

Since this is the first time to take the floor, I would like to congratulate you on your presidency. My Delegation believes that under your leadership, we have continuing our fruitful deliberations to reach our common goals.

With this opportunity, I would like to also express our sincere thanks to the Secretariat for their efforts during the preparation of the comprehensive working documents as well as for the efforts to overcome the budgetary constraints.

Mr. Chairman, Turkey attaches great importance the activities carried out by UNESCO. With this understanding, we support especially the activities of IOC, which is a flagship a programme.

In light of this, I would like to remind that Turkey has contributed to the Special Emergency Multi-Donor Fund for UNESCO with a grant of 5 million US Dollars, without concrete earmarking. Turkey has also paid her budget contributions in full in January 2012 for the years 2012 and 2013, valued as 4,4 million US Dollars, with a spirit of cooperation during such a difficult period in terms of financial difficulties of UNESCO as a whole, and IOC.

Therefore, Mr. Chairman, we would like to reiterate our commitment to continue to support the IOC activities in this regard.

United States of America

The U.S. expresses its appreciation to those member states, the Director-General, and others who have provided their increased financial support for IOC to continue scientific and intergovernmental services essential to the international community. We commend the Executive Director, Dr. Watson-Wright, for her focused work and collaboration in determining the placement of several functions in alternative organizations and that it is the U.S. intent to see these functions returned to the IOC when feasible.

The U.S. maintains its membership in and commitment to UNESCO and the IOC. We continue to serve as a leading member of the IOC, participating on the Executive Council, and as active members of IOC programs, providing scientific leadership and contributing its national capabilities to achieve agreed goals, for example, through GOOS, JCOMM, IODE, the tsunami program and other components of the program.

Uruguay (Observer)

Agradecemos la posibilidad de participar en calidad de observadores en relación al proyecto de decisión 3.2, numeral romanos iii, titulado Sistema de alerta contra tsunamis y otras amenazas costeras.

Al respecto, queremos dejar constancia al comité, que las autoridades uruguayas han estado plenamente informadas del tratamiento de este punto y hemos seguido con especial atención los debates en este consejo.

Al ser nuestro país mencionado específicamente en el párrafo 11, del documento 2.1 con el orden provisional, como parte de dicha propuesta, Uruguay desea solicitar que conste en el informe de esta reunión y en las actas correspondientes, que nuestro país no esta de acuerdo con el procedimiento por el cual se lo incluye en una iniciativa, el la cual no fuimos consultados, no participamos y además no siendo miembros de este consejo ejecutivo, no nos parece adecuado.

Por este motivo, entendemos que dicho tema excede este consejo y debe ser tratado en el marco de la asamblea general de la COI el año próximo y reiteramos nuestra solicitud que de aprobarse esta decisión, figure en actas nuestra reserva al respecto.

Finalmente, queremos expresar nuestra preocupación por las propuestas presentadas en diversos proyectos de decisión aumentando la autonomía de la secretaría. Nuestra visión es que aquí, al igual que en todo el sistema multilateral, las iniciativas y decisiones corresponden a los estados miembros y las secretarías tienen como función ejecutar y dar seguimiento. Nos preocupa esta tendencia en este y todos los órganos.

4.1 Follow-Up to Rio+20

Brazil

My delegation would like to thank the Executive Secretary for her efforts to give the appropriate visibility to IOC's message in the context of Rio+20. On behalf of the host country, I would also like to thank the countries represented here for their participation in the Conference.

As mentioned by the Executive Secretary, Rio+20 was successful in many regards. And we can certainly say that in relation to raising the profile of the ocean-related issues.

In Rio+20 there have been many events that contributed to that achievement. I would single out the Dialogue on Sustainable Development dedicated to oceans. That was promoted by the Brazilian government in order to enhance participation of the civil society through inputs to the governmental discussions. Also, I should refer to the ocean-related session in the Forum on Science, Technology and Innovation for Sustainable Development, co-sponsored by the Brazilian Ministry of Science, Technology and Innovation, the Brazilian Academy of Science and other partner.

On the Outcome Document, we believe that, although some may consider it to be far from the ideal result, it is a significant achievement to have a consensual text among more than 190 countries. And it is no minor achievement to have a section of the Document specifically dedicated to the oceans. The Brazilian delegation would like to highlight the references, in the oceans part of that Document, to the issues of capacity building and transfer of technology (where IOC is explicitly mentioned). That must be taken into account in the elaboration of the IOC's Medium-Term Strategy for 2014-2021.

Mr. Chairman, with your indulgence, I would like now to ask the representative of the Brazilian Ministry of Science, Technology and Innovation to complement this statement with some information on initiatives under consideration in Brazil, to which IOC could contribute.

The Brazilian Delegation would like to consider the offer to host the 3rd International Symposium on the Effects of Climate Change in World's Oceans in Brazil, 2015 or alternatively, 2016, co-sponsored by ICES, PICES and the IOC.

We understand that the approval of such proposal would have to go through the process of consultations within ICES and PICES later this year and in this regard, it would be appropriate to express our intention at this stage.

The role of climate change on the oceans and its effects such as sea level rise, changes in thermohaline ocean circulation, ocean acidification, changes in species abundance, loss of biodiversity, among other things, are considered top scientific priorities in Brazil. This symposium aims to bring together experts from different disciplines to exchange observations, results, models and ideas at a global scale and to discuss the opportunities to protect the marine environment and its living resources.

I take the opportunity to announce the creation of a new Programme under the Brazilian Governmental agenda, called "Oceans, Coastal Zone and Antarctica", with the goal to place "Brazilian oceanographic research" at the international level and to understand the role of the South and Tropical Atlantic on climate change, projected for the end of this century. Our way ahead is confronting the Challenges, by reducing the scientific and technological gap that still separates Brazil from more developed nations.

In doing so, we are happy to announce that the Brazilian Government has approved the creation of a National Institute for Ocean Research and is about to finalize the procurement of a brand new oceanographic vessel to be purchased under a collaboration established by the Ministry of Science, Technology and Innovation, the Brazilian Navy, Petrobras and Vale (a Brazilian private company), to be operated by the Brazilian Navy, and to start operations in 2013. We hope to have the IOC as partners in the region.

Finally, we are pleased to announce that, within the remit of Article 160 of the Rio+20 Outcome document, we have started conversations with sister African nations in the South Atlantic to develop a program, under ZOPACAS (Zone of Peace and Cooperation in the South Atlantic) with a focus on ocean sciences while prioritizing capacity building. I hope to have the opportunity to discuss further with colleagues here represented on the possibility of hosting a Workshop to elaborate and draft the future ZOPACAS programme during this IOC Executive Council meeting.

Republic of Korea

Republic of Korea greatly appreciates the efforts of Dr. Wendy Watson Wright on initiating Blue Economy approach as a new concept for Rio+20.

As we all know, the concepts and objectives of sustainable development and green economy make sense only if the ocean is fully incorporated. In this regard, we think the Blueprint report which was printed end of last year, timely reflected and emphasised the importance of twin issues under the leadership of IOC.

We wish to inform the member states Korean translated version of Blueprint was published and distributed to the scientists, decision makers, and even to the students for public awareness.

As we fully recognized, Rio+20 is a country-led process and activities among the participating countries. In this regard, we, IOC as well as member states, have to continue our effort to input more on the importance of ocean by using international debate and gathering expert opinion as a contribution beyond Rio+20.

4.2 The Future Needs for Intergovernmental Coordination and Governance for Sustained Ocean Observations and Services and the Future of the Commission

Argentina

La iniciativa de crear un Grupo de Trabajo especial de composición abierta encargado de preparar un proyecto de estrategia de elaboración de un instrumento jurídico para la COI, en materia de oceanografía operacional, complementario de la Convención de Naciones Unidas sobre Derecho del Mar ha sorprendido a esta Delegación, sobre todo a nivel procedimental, porque este tema ya fue discutido durante la última 26 Asamblea de la COI (en junio de 2011) y no obtuvo el consenso necesario. Nos preocupa que vuelva al comité la misma propuesta que los Estados Miembros ya han desestimado.

Nuestro país no ha cambiado de posición desde entonces, para la Argentina, la Convención sobre Derecho del Mar es el marco jurídico adecuado para abordar esta temática, se trata, señor presidente, de la constitución de los mares y, haciendo una interpretación armónica de la misma, se podría incluir a la oceanografía operacional dentro de la investigación científica marina.

Por otra parte, si se quisiera de todos modos abordar un nuevo instrumento jurídico o un instrumento jurídico complementario de la Convención de Derecho del Mar, ello debería afectarse en el ámbito de Naciones Unidas, en una Reunión de los Estados Partes de la Convención mencionada, y no en el ámbito de la COI.

Bulgaria

The problems of the implementation of IOC/JCOMM programmes ARGO and Drifting buoys as well as observational data exchange in marginal seas was the subject of discussion on the Forum on “Operational Oceanography of IOC (for GROUP II)”, which was held in Varna, Bulgaria, 20th - 22nd March 2012. The member countries of IOC Group II are located on four marginal seas Adriatic, Baltic, Black and Caspian seas. These seas are totally divided into EEZs which have their specific legislation concerning the oceanographic researches and oceanographic data exchange. We have particular difficulties to arrange open data exchange (both in the real-time and delay mode to fulfill reanalysis) for example in the Black Sea area. Unfortunately the current IOC regulation does not provide solid basis to resolve existing contradictions of the operational oceanographic society needs with national legislation in the region.

The common opinion was that the special resolution of the IOC Assembly may help to solve this regional problem.

Canada

Canada welcomes the discussion on current and future requirements for an end to end system to support sustainable and responsible marine use and IOC’s role in this regard. The expectation and requirements of the various sectors of marine users are so wide ranging that we have to carefully determine what IOC can do by itself, what it can do in partnership with others and what it needs to leave to others. We cannot afford to spread ourselves too thin or to limit our activities so much that we become irrelevant.

Canada is in full agreement that we need to significantly enhance the global observing network, and actively participates in the efforts of IOC and other marine-related organizations such as ICES, PICES, and others. Canada also recognizes that there are significant challenges and many road blocks in this regard.

We do think that we need to first identify the problem we are trying to solve here: is it technical, policy related or legal. Canada appreciates the work that has been done by the officers and X-chairs of IOC to start the discussion. As UK mentioned, this topic is important and timely, and it requires considerable engagement from the MS. Canada will be happy to participate in any technical and scientific discussions in this regard

Canada strongly recommends that the discussion on this topic be constrained to areas of IOC's mandate. Canada will not be in favour of any discussion on a possible legal instrument to advance the technical and scientific objectives of IOC.

India

Our delegation in-principle support the idea of operational oceanography. There has been a great deal of discussion on Operational Oceanography and the related legal aspects in the working group meetings held during the last 2 days. But there was a clear consensus to separate legal aspects from the technical issues involving ocean science. We are of the opinion that there is a need to delink operational oceanography from the legal issues. Guidelines on Data exchange are already available under the policies of IODE/IOC and there is no need for inventing new policies.

There is no doubt that we have to move towards ocean information and services or operational oceanography. Towards that, we feel that, the need is build capacity, especially in the areas of real time data acquisition, running regional models for ocean forecasts, etc. We have reservations on the creation of an international Institute of Ocean forecasting when IOC is facing financial difficulties.

We need regional ocean models for forecasting the local oceanographic processes of a region. Hence, we are of the opinion that a network of centers only can succeed in providing the desired results rather entrusting the job to one or two institutions. If we entrust the job to local centers, the legal issues involving access to data also need not arise.

Japan

Japan expressed its sympathy with the idea that we would need some workable mechanism for sustained ocean observing system and services. At the same time, however, regarding the ways to put the things forward toward intergovernmental coordination and governance for sustained ocean observations and services, legal instruments or a kind of convention may not be the only way to take. These approaches toward legal instruments or a convention may change the nature of the Commission, and also would cause negative impacts on the ongoing observing system and ocean services which have been carried out on the voluntary basis and at a certain level of satisfaction. Despite the above, there really exist problems in front of us in enhancing our ocean observing system.

Along this line Japan would support to establish an open-ended working group that works for the next inter-sessional period to discuss on some identified issues how the Commission could promote sustained ocean observations for multiple purposes.

Malaysia

Malaysia thanks the former chair and the vice chair of IOC for the excellent presentations on the ideas for concerted effort to increase the visibility of IOC as the leading organization in ocean science and services in ocean data management.

In addressing the technological challenges and threats to the ocean environment and ocean coastal sustainability, the capacity development in ocean forecasting and integrated data management is welcomed.

There is also a need to enhance coordination in Marine Scientific Research and understanding of Technology Transfer, taking into consideration the different economic status of development of member states. The gaps in data, related to technical capability, the different bio-geographies and also requirements for real time data as in operational oceanography would require further calls for commitments in ocean measurement, management and continuous monitoring activities by member countries.

IOC could enhance further discussions through international meetings that could be organized in the future. This would provide strong interactions for national, regional and global strategic cooperation in new areas.

We support the proposed strategic plan of IOC in strengthening and engaging on member countries through international cooperation to promote further investment in ocean science, technology and innovation for sustainable development.

Republic of Korea

The Republic of Korea believes that IOC's mission is to promote international cooperation for ocean observation and to share the benefit of ocean data with all Member States. In this regard, the Republic of Korea supports the IOC's priority on operational oceanography. Although IOC contributes to the sustainable use of ocean, which is considered a common heritage of human beings, by improving scientific understanding of the oceans, IOC is now facing two significant challenges. The first is the gap between the available financial resources and the needs and expectations of the Member States to IOC. The second is the different policies and situations on ocean observation and its data exchanges of Member States.

Establishing an oceanographic data convention, which is suggested by the Chair and the Secretariat, would be the most effective and realistic measure that UNESCO/IOC will take in order to solve the above-mentioned two challenges. Given that para 5 of the draft decision reads that working group develops a draft strategy to elaborate a legal instrument for IOC, we suggest that the draft strategy include the purpose of convention, potential contents, legal and financial duties of contracting parties, related other UN conventions including the UN Convention on the Law of the Sea, procedure of its establishment, etc. We also suggest to report the strategy at the next Assembly. We believe that this strategy will help us to understand the feasibility of the convention.

In general, the Republic of Korea agrees that this convention, as a complement to the UN Convention on the Law of the Sea, will strengthen the status of IOC in the UN system and increase the commitment of Member States for ocean observation and its data sharing. However, we would like to underline that various aspects should be reviewed to proceed the establishment of the convention.

South Africa

We thank the previous Chair of IOC and the Chair of the Working Group for their comprehensive report that spells out the difficulties of conducting operational oceanography.

SA has recognised the importance of the oceans around us from a scientific, political, social as well as economic perspective. Sustainable development is intrinsically linked to the oceans especially when considering that we are surrounded by three major oceans.

As a result, sustained data collection and improving our understanding of ocean processes are fundamental to ocean forecasting and the potential of an early warning system, especially when considering the most vulnerable of society along the coast where impacts are most felt. When we consider the large data gap that exists in the Southern Oceans, it is strategic that we best use our resources and infrastructure to further the objective of closing that gap due to its relevance to the region – indeed an important consideration for the Sub-Commission for Africa and Adjacent Island States.

South Africa has now started rolling out a national real-time data observation system with the future aim of going beyond our own EEZ. Sustained data collection of the highest quality is imperative if we want to prepare ourselves in the light of Climate and Climate Change impacts.

Together with our observation networks in the Southern Ocean plus our investment in a new Deep Ocean research vessel – collectively will be used to ensure a sustained data collection process together with all regional, continental and international partners. The importance of operational

oceanography forms the foundation of many of our programmes and as a result SA has developed a 15yr implementation plan for our Observational System.

We welcome any further discussion during the intersessional period to refine an internationally accepted mechanism within existing policy or legal frameworks as well as a fundamental definition and we are willing to participate towards making it a success.

4.2.1 IOC Support Centre for Ocean Data Portal

India

We welcome and support the offer made by Russian Federation to set up a Support centre for Ocean Data Portal. Mr. Chairman, however, we would like to know the details of the proposed Support Centre, specifically how it will be different from the NODCs and RNODCs. Also, we would like to know the details on the linkage between IODE and the proposed Portal. Similarly, what would be the policy of this portal on data archival and dissemination?

Finally, Mr. Chairman if you ask us whether we are for or against this Portal, certainly we are for the portal.

Malaysia

Malaysia supports the proposal for the establishment of the centre for Ocean Data Portal (ODP) as presented by the Vice Chair of IODE.

We acknowledge the importance of ODP in supporting the work of IOC programmes under IODE and we are fully aware of the initiative by the Russian Federation on the ODP development since 2011. In this regard, we would like to thank the Government of the Russian Federation for this commendable effort.

We would also like to inform the EC that Malaysia has developed the National Ocean Data Portal (www.mynodc.gov.my) which is currently going on to the 2nd phase of development. This flagship project on MyNODC provides facility for spatial data info-structure that can support integrated data management and ocean modeling through semantic applications.

Regarding the point on the establishment of the IOC of UNESCO partnership centres, we seek clarification on as to how this particular centre could be linked with other ODP nodes in the future.

Republic of Korea

Korea delegation recognizes the importance of the Ocean Data Portal as a core activity of IOC/IODE, and appreciates the efforts of the Russian federation for the development and operation of ODP. We also think that the in-kind contribution of Russian federation for the establishment of ODP center is to be welcomed. But, when it comes to the personnel setup, three staff positions do not seem enough. As you know, data management is a complicated and time-consuming work. We think that activities of ODP are not just confined to the development and update of protocol. There are many works such as ensuring interoperability between similar systems, data standards, quality control, promoting data provision, etc. Therefore, we would like to suggest that ODP center assigns more than three staff positions. If it is not easy to increase the staff positions by Russian Federation, it may be possible to take in-kind contribution by secondment of an expert from other systems or other member countries. For example, an expert from WIS, or SeaDataNet, or NODCs could be sent for development or operation. This kind of participation will be well opened for better future of ODP.

4.3 Review of IOC/ABE-LOS

Japan

Japan fully recognizes that the Advisory Body of Experts on Law of the Sea (ABE-LOS) demonstrated its capability and usefulness as an advisory mechanism within the Commission in implementing marine scientific research under the UNCLOS, and produced a set of documents namely:

- Criteria and Guidelines on Transfer of Marine Technology,
- Procedure for Application of Article 247 of UNCLOS, and
- Guidelines for the implementation of Resolution XX-6 of the IOC Assembly regarding the deployment of profiling floats in the High Seas within the framework of the Argo Programme

These documents were well accepted in general, in particular the document: Criteria and Guidelines on Transfer of Marine Technology was well referred at the recent meeting of Rio+20. However, we find that the document is not fully utilized as a tool to assist developing countries in initiating and advancing marine scientific research. We feel it necessary to consider how the best to utilize this product.

Regarding to establish an inter-sessional ad hoc open-ended working group conducted by a Vice-Chair, Japan supports the proposal. Concerning to the document on Analysis of Questionnaire on ABE-LOS, due to delay in response contribution of Japan is not counted in the document. We found that there are some other responses not included by the same reason. We recommend that a set of lately submitted responses should be provided as additional information to the document, then the inter-sessional working group would be in a position to develop further discussion.

Japan feels that ABE-LOS should be remained with modified ToR enabling the Body to investigate topics of common interest of Member States on relevant issues regarding to application and utilization of the newest technologies within the framework of UNCLOS. This would enable ABE-LOS to respond current topics within an appropriate timing before receiving request of the governing body. Forming an ad-hoc task team on particular topic would be one way of solution to meet an emergent issue.

We believe that one possible role of IOC in relation to UNCLOS would be to provide a platform with experts of different disciplines to exchange views on how the best to implement marine scientific research in accordance with UNCLOS based coordination between research states and concerned coastal states.

Japan also believes that another role of IOC is to survive and strengthen the Inter-Secretariat Committee on Scientific Programmes Relating to Oceanography (ICSPRO) for better coordination function among the UN community.

Republic of Korea

Republic of Korea wish to express our gratitude for Prof. Blivi's effort to make this analyzed report in spite of the small number of response on the questionnaire

We want to make two comments this time. With regard to the opportunity for future activities where the advice of an expert body may be necessary, we believe that our previous mission on the means of data collection has not been completed yet. We suggest ABELOS should resolve or come to a conclusion on ABELOS' previous mission first. Throughout discussing such given issues of the mission, we might find out more on what we should concentrate in the future.

Regarding the mechanism to identify and prioritize issues of interest to the IOC, we believe there are two different ways to do this. First and most importantly, the issues should be directly raised by the member states. Hence, the IOC could inform the member states, maybe during the general assembly next year, to raise their voices for identifying and for priority issues of interests which

could be tackled by ABELOS. Secondly, the IOC could periodically and regularly survey the member states' opinion by asking if there are any issues to be tackled by ABELOS. This may be a reasonable way to find out the priority issues because sometimes member states might not be able to find an opportunity to speak up on such issues.

We appreciate again Dr. Blivi's effort and hard work.

4.4 Report of the Chair of the Advisory Group on Ocean Sciences

Canada

This Ad hoc Advisory Group for the IOC Ocean Sciences Section was created to set strategic directions and priorities that will contribute to the preparation of the next Medium-term Strategy of IOC. The document that was produced by the Group was a very good guidance document, but would still benefit from further discussions and consultation. Canada is concerned about the time and effort required for bringing in the information from this and other background documents into a solid, integrated IOC's Medium-term Strategy, and requests the Executive Secretary to provide a roadmap on the process that will be followed to achieve this.

India

We appreciate and thank the advisory group on Ocean Sciences for the report they have presented. No doubt, it is well thought out report. It is timely because of the growing importance of oceans on changing climate and sustainable development. The importance of oceans certainly underlines the need for focused efforts on ocean sciences. However, Mr. Chairman, we suggest that the activities planned on Ocean Sciences should not duplicate the efforts of other groups like ICSU, IUGG/IAPSO, SCOR, etc. In this context, we would like to know whether there will be a mechanism to review the activities of various groups and avoid duplications.

Mr. Chairman, we also have little concern about the membership of the group. We do not see any membership from the Indian Ocean region. Hence, we request you to consider circulating this document among wider community for their comments.

Japan

Japanese delegation appreciates the Advisory Group preparing the report that opens a new way of IOC activity in future. We have comments on two issues.

IOC has been unique among various UN organization, working more on scientific oceanography. We can provide scientifically accurate data of biological, chemical and physical condition of the ocean for use as a basis of evaluation of environment and some other purposes. When we consider application of scientific knowledge for cooperation with other organizations, we should put more priority to make strategy to produce and provide scientifically accurate data continuously.

Despite the fact that an expert from Japan could not join the advisory group discussion, in future Japan wish to participate to make practical plan of action actively.

Thailand

We appreciate the presentation of the progress report on Ocean Science section.

Thailand supports idea of implementation pillars on IOC global ocean science conference. However, the global conference could bring only leading scientists and policy makers to join the conference, we are still missing a big number of ocean scientists whom working in the region that could not participate to the conference.

To get more participation of those scientists, the UNESCO/IOC head office should support and encourage the IOC Sub-commission, regional programmes and partners to organize the similar

conference every 2-3 years at the regional level. This could provide a platform for the experts and young scientists of member states to be able to join the conference and build up the scientific network in the regional level.

The scientific networks will contribute their activities at national level to regional and global level of IOC activities. Regarding a constraint of financial status of the IOC, the regional network could contribute more in term of both in kind and in cash to the IOC in general. As the IOC/WESTPAC has been conducting the IOC/WESTPAC scientific symposium every 3 years. This activity helps to encourage the experts and young scientists in the region to contribute their works and join the IOC/WESTPAC activities. This is the one of the key issues that makes the IOC/WESTPAC successful in its roles in the region.

United Kingdom

The UK appreciates the work that has been done in producing this report and notes the central importance of the ocean science section to IOC.

We note that under the enthusiastic and capable leadership of Luis Valdes the aspirations of the Ocean Science Section are very ambitious and challenging.

It is on this aspect that the UK shares the concerns of Canada, US and others because it is clear that in the present budgetary situation we are going to have to focus our priorities and to relate them more clearly to both the activities of other sections within IOC and to the High Level Objectives as they become developed during the next year within the draft medium term strategy. It will also be important to see a work plan so that we can assess whether there are sufficient resources to undertake and complete the planned programme.

United States of America

The U.S. expresses its appreciation to the chair and the advisory group for the report submitted, and notes the positive use of virtual correspondence methods in a time of limited resources, the diversity of the committee, and the nature of the strategic objectives recommended. The strategic objectives relate to the IOC current High Level Objectives and can be logically extended. What is not clear from the Report is the component of the charging task from the 26th IOC Assembly Decision 8.1, which called for the prioritization of Ocean Science Section activities. It is also not clear by what procedure the scope of activities will be narrowed and, in an environment of diminished resources, how a targeted, timely and prioritized work plan will be produced.

5.1 Funding Plan for 2012–2013

Republic of Korea

The Republic of Korea would like to express its appreciation for the efforts of the Secretariat to maintain the activities of IOC in this financial situation by mobilizing the extra-budgetary fund. The Republic of Korea also welcomes the temporary programmatic choices and the Priority Funding Plan submitted by the Secretariat.

In particular, we agree with the ideas of focusing on the IOC's core programme and terminating the projects which have little impact or are difficult to secure the funds. In addition, we support the efforts to reduce the administration costs by reducing the dates of the Executive Council.

We would like to suggest using this predicament as a way to clearly define the identity of IOC. While recognizing the reality that the needs and demands of the Member States are high but the financial resources are too low, we should reduce the number of IOC's core activities and focus on them. In this regard, we appreciate the efforts of the Secretariat to establish a priority funding plan and to improve the implementation of the activities.

According to the plan, a relatively large budget is allocated for the Rio+20 follow-up. Given that IOC has made efforts to improve the awareness of the importance and the role of the oceans, we expect the follow-up activities to be implemented effectively.

Finally, with regard to the priority funding plan, we want to share this information with member states that Korea has a plan to financially support IOCCP (International Ocean Carbon Coordination Project) by using Fund in Trust at the amount of US\$247,000 for 2 years from July this year.

United Kingdom

The UK believes it is important when making decisions on budget reductions in the short term to do so in a long term context and to ensure that such cuts will not by themselves constrain development of proposals for a medium term strategy. We will be considering the strategy later in the agenda but here we note it will cover a longer period than usual. It is of course very difficult to forecast accurately how circumstances will change during that time. If we stop activities now and hand them to other bodies then we may never be able to recapture them. Therefore we support attempts to maintain the existing programme as far as possible for the time being.

We seek clarification on how the cuts have been distributed across HLOs. In percentage terms, HLO1 seems to have survived relatively well – 74% of the original budget compared with 25-40% for other HLOs. What is the particular justification for this? Recalling the intervention by Australia under agenda item 3.2 we express gratitude for those Member States that have increased their EB funds but also share the concern that this may lead to new emphases for IOC itself, especially if this also results in related re-alignments of the regular programme funds.

It is not appropriate to go into details here but as an example of the issues we have noted, we have a specific comment on HLO1 regarding what can and cannot be achieved (ref Appendix A of Annex 8, page 2). It seems that coordination activities for the NE Atlantic and Mediterranean Tsunami Warning Systems will no longer be funded and this is just at the time where several components of the system are about to become operational. Is there scope for remedying this?

Finally, a comment on the Secretariat realizing that this is a difficult period for them. Although it will not be possible for them to support meetings and other events in the same way as before we believe they continue to have a crucial role to play. We would encourage some imaginative thinking regarding the best way of using the considerable expertise and experience of the Secretariat in the present circumstances.

5.2 Draft IOC Medium-Term Strategy for 2014–2021

Iran (Islamic Republic of)

The Iranian National Institute for Oceanography (INIO) welcomes IOC's efforts toward enlarging its base of donors with a large number of small to medium contributors. Moreover, it seeks to analyze domestic options for contributing to this base of donors. We also plan to make in-kind contributions such as training field professionals. Lastly, we would like to contribute to each and every one of IOC's high-level objectives in the form of IOC support centers. Other examples of our support of the IOC visions include a Category II Research Center and plans to contribute, as envisioned by the IOC, to capacity building and training. Contributions to GOOS, IOTWS, IODE, and other programs of IOC are also among INIO's plans. INIO has set aside the minimum yearly budget of US\$ 1 million for these purposes.

Our efforts to this end are further described below:

1. Prevention and reduction of the impacts of natural hazards is one of the priorities of the Iranian National Committee for Oceanography of Islamic Republic of Iran. The "Iranian National Center for

Ocean Hazards (INCOH)” was established to operate under the supervision of the Iranian National Institute for Oceanography (INIO) in February 2012.

Furthermore, the Iranian National Institute for Oceanography has organized several workshops, the last one of which, the “National Conference on Oceanography: The Prediction and Warning of Ocean Hazards”, was held on June 10th and 11th, 2012 in the city of Tehran on the occasion of the World Ocean Day.

INIO has received US\$ 4 million in federal funding for conducting research projects in the field of ocean hazards.

2. Mitigation of the impacts and adaptation to climate change and variability is the second high-level objective at IOC. Considering the uniqueness and vulnerability of land-locked water bodies to climate change impacts, especially those that are in arid areas, the INIO works on ten inland lakes as well as the Caspian Sea. Moreover, the INIO further collaborates with national and international bodies on mitigation and adaptation plans in response to climate change impacts in the following manners:

- a. implementing paleoclimate project studies
- b. coastal monitoring programs
- c. increasing public awareness
- d. and the coordination of other national and international programs that are implemented in Iran

3. Safeguarding the health of ocean ecosystems constitutes the third high level objective at IOC. All marine environmental conventions in the ROPME Sea Area, including the Caspian Sea, the Persian Gulf, and the Arabian Sea are pursued by the Ports and Maritime Organization (PMO) and the Department of Environment of Islamic Republic of Iran. A national project will be carried out during the next 5 years by the Department of Environment of Islamic Republic of Iran with a budget of US\$ 30 million.

4. The Sea and Coast Development and Civil Organization was established under the auspices of the Ministry of Interior of Islamic Republic of Iran. This organization supports the management procedures and policies leading to the sustainability of coastal and ocean environment and resources.

Japan

Recently, Japanese National Commission made a proposal to UNESCO on “Sustainability Science”.

The concept of “Sustainability Science” is an integrated approach to build a truly sustainable society. The biggest problem which we come up against today is sustainability of an earth system, and it is important to take note that the modern environmental, economical and social system is extremely complicated and comprised of problems that are not independent but closely interrelated.

Focusing on the fact that UNESCO is a forward-looking agency, and IOC is also focus on sustainability, we think it is an important role of IOC to bring and promote the concept of “Sustainability Science”.

In view of this, Japan would like to suggest to bring the concept of “Sustainability Science” into next Medium-term Strategy 2014-2021.

5.4 IOC Manual

India

Our delegation thanks Mr. Stefano Belfiore, for the comprehensive presentation on various aspects particularly relating to the revision of IOC Manual. Our delegation is of the view that IOC should

promote category-2 centers for promoting IOC programs in various regions where the host countries would provide the financial resources to run the centers towards promote the IOC related activities in the region. As indicated in the presentation, one of the Partnership Centre is coming up in INCOIS, Hyderabad. We take this opportunity to inform the council that the preparations for the establishment of International Training Centre for Operational Oceanography at INCOIS, Hyderabad is progressing well and we are hoping to inaugurate it soon.

Finally, we agree with the views expressed by the delegation from Thailand on the IOCINDIO.

Republic of Korea

Republic of Korea believes that guidelines for the establishment of new category regarding the "Partnership Centres" will bring out many in-kind contributions by Member States to the IOC.

But, with regard to the new guidelines for the establishment of partnership centers, we would like to point out that there are no items for "Responsibility and reporting hierarchy" and "Performance evaluation", which you can see the guidelines for decentralized offices. We are concerned about that establishment of partnership centres without any restriction for the activities may lead unclear operation or inactive function.

So, we suggest to add these two items "Responsibility and reporting hierarchy" and "Performance evaluation" to the guidelines for Partnership Centres.

Thailand

The Thai delegation would like to ask the Secretariat on IOC Network. On the last page of document and the presentation on IOC network, we found that there is a missing of IOCINDIO from the network. As we know IOCINDIO is not active for a long period however IOCINDIO region is one of the biggest area and compose of numerous member states of IOC and is also one of the biggest population. We would like to urge the IOC head office to support and help to re-activate the IOCINDIO in near future.

ANNEX V

CHAIR'S SUMMARY SESSION REPORT

(Dr Sang-Kyung BYUN)

Language versions available at:

http://www.ioc-unesco.org/option=com_oe&task=viewDocumentRecord&docID=9302

The Executive Council met in plenary session during three days from 26 to 28 June 2012, considered 19 items on its agenda (of which 11 were substantive) and approved 21 decisions and no resolutions. The plenary meeting was supported by some 11 preparatory meetings held the day preceding the opening of and during this session. Seven information side meetings were held during the session. The 45th Session of the IOC Executive Council was opened on Tuesday 26 June 2012 amid concerns for the budget challenges caused by reduced regular budget support from UNESCO.

A session under financial constraints

In order to maximize time and cost efficiencies, the Executive Secretary urged the Executive Council to work in an abbreviated manner, including streamlining its reporting procedures. The summary Report of the Executive Council will consist of two parts: Decisions approved during the session and available in the working languages of the Commission on the Council website; and a Summary of Technical Items. The Chair's Summary Session Report on the discussions of the Member States will appear as an annex. This Report summarizes the wide ranging discussions of the Member States. The detailed interventions, submitted by delegations, are also recorded in an Annex to the Final Report. These items will be assembled to constitute the final summary report, a practice similar to that used by other UNESCO bodies and proposed by the Secretariat to this Executive Council. The final report will be adopted in coming weeks by correspondence as allowed by IOC Rules of Procedure (XV-48-1).

Following the Chair's Statement on the State of the Commission and the Executive Secretary's Report on Programme Implementation and Report on the Budgetary Situation, the Executive Council congratulated the IOC Chair on his election and the Executive Secretary and the Secretariat on their work in continuing to achieve the objectives of the Commission in the face of financial constraints.

IOC High Level Objectives

Relative to High Level Objective 1, Prevention and reduction of the impacts of natural hazards, the draft decision on enlarging the Area of Responsibility (AoR) of the Intergovernmental Coordination Group for Tsunami and other Coastal Hazards Warning System for the Caribbean and Adjacent Regions (ICG/CARIBE-EWS) was not accepted. Interventions made by Member States made it clear that this proposal requires analysis of the need and feasibility of such change. Argentina, supported by Brazil, Cuba, Ecuador, Mexico and Peru suggested that a study be made before the decision is taken, at least for the Southern Atlantic. The Secretariat requested that funding be made available through the IOC Special Account toward the requested feasibility study.

In the context of High Level Objective 2, Mitigation of the impacts of, and adaptation to climate change and variability, the Executive Council supported IOC's role in the UN World Ocean Assessment (Regular Process).

The Executive Council also noted a continuing commitment to GOOS and the further development of operational oceanography and sustained observations. The key role of JCOMM

was noted. The Executive Council also emphasized the need for IOC contributions to the success of these programmes.

Concerns were highlighted about the potential permanence of the 'temporary' transfer of staff to other institutions such as WMO, and Member States were encouraged to contribute resources in order to maintain the Commission's capacity and strength in ocean science, services and observations.

The Executive Secretary reaffirmed GOOS as a priority for IOC, and noted the first meeting of the recently created Interim GOOS Steering Committee, held in Paris, from 20 to 22 June. Concerns were expressed about the geographic balance of the new GOOS Steering Committee. The Executive Secretary pointed out that the group was close to geographic balance, exceeded gender balance goals, had an appropriate scientific and technical discipline balance, and most importantly was committed to working with all GOOS Regional Alliances.

The Council agreed that the International Polar Initiative concept document should be presented for the consideration of the Assembly at its 27th Session to allow Member States to comment on IOC's role.

The Islamic Republic of Iran expressed the desire to make an in-kind contribution through the creation of support centres for each of IOC's High Level Objectives, wanting to work with IOC, GOOS, IOTWS and other programmes, with a minimum investment of US\$ 1 million.

No particular issues were raised by Member States regarding High Level Objective 3, Safeguarding the health of ocean ecosystems.

In the context of High Level Objective 4, Management procedures and policies leading to the sustainability of coastal and ocean environment and resources, members of the Executive Council noted the activities implemented during the intersessional period, by the three Regional Sub-Commissions (Africa and the Adjacent Island States (IOCAFRICA), Caribbean (IOCARIBE), and Western Pacific (WESTPAC)) and in particular the outcomes of the First Intergovernmental Session of IOCAFRICA (May 2012, in Kenya) and the Ninth Intergovernmental Session of WESTPAC (May 2012, in Republic of Korea).

Regional Subsidiary Bodies

A large number of Member States stressed the important role of the Regional Subsidiary Bodies as a key mechanism and vehicle of IOC for the development and implementation of the IOC programmes and Medium-Term Strategies, and expressed support for their continuous strengthening. Collaboration among the Regional Subsidiary Bodies, such as the proposed exchange programme between IOCAFRICA and WESTPAC, was welcomed as there is a need to further synergize the efforts between IOC Global Programmes and IOC Regional Subsidiary Bodies.

Some Member States were commended for their continued support to regional activities, and in particular the Government of Korea for its financial support for the First Session of the IOC Sub-Commission for Africa and the Adjacent Island States. Nevertheless, Member States are urged to increase their support for the Regional Subsidiary Bodies, including via secondments of experts in IOC Regional offices.

Recruitment of the next Executive Secretary

While considering the process for the recruitment of the next Executive Secretary of the IOC, the Executive Council noted the need to review and update the post announcement to reflect its

functions and the agreed post grade of ADG, common to the United Nations system, and acting at the service of the Commission.

On governance

The Executive Secretary reported on the very successful involvement of the IOC in the RIO+20 United Nations Conference on Sustainable Development which concluded during the week before the 45th Session of the Executive Council. The Executive Secretary reported on significant work accomplished since the 26th Session of the IOC Assembly, in preparation for Rio+20, including the production of the interagency publication, *A Blueprint for Ocean and Coastal Sustainability*, and participation in several preparatory workshops.

The Executive Secretary described the IOC's participation in Rio+20 noting in particular the three major events directly organized or co-organized by the IOC.

Finally the Executive Secretary reported that the Rio+20 outcome document, contains 18 paragraphs on 'Oceans and Seas', several directly relevant to IOC.

The Rio+20 intergovernmental process will continue as the UN General Assembly formulates Sustainable Development Goals. A specific Ocean Sustainable Development Goal seems to be supported by Member States. With respect to this, the IOC could provide scientific and technical inputs to the SDG process, and has offered a Voluntary Commitment on Capacity Building through its Capacity Development survey and strategy on Marine Science.

There was ample recognition that the IOC played a key role in significantly raising the profile of oceans on the agenda at Rio+20. In the context of the outcome document, Brazil announced two concrete proposals: first, Brazil offered to host the next IOC/PICES/ICES International Symposium on Effects of Climate Change on the World's Oceans in 2015; and second, Brazil announced that it has initiated dialogue with Africa (under ZOPACAS: Zone of Peace and Cooperation of the South Atlantic) to develop new cooperation in marine science in the South Atlantic with the participation of the IOC.

Future of the IOC

There was a substantial debate on Agenda item 4.2 "The Future Needs for Intergovernmental Coordination and Governance for Sustained Observation and Services and the Future of the Commission", as amended by the Council in response to the interest of Member States in the subject. Thirty-three countries requested to serve on a sessional working group which met twice to begin the debate and prepare the decision for this item.

The debate continued during plenary session.

Member States noted that the science of oceanography has evolved and is increasingly expanding into an applied science. This provides societal benefit and is based on sustained observations and services. Even if a definition of "operational oceanography" did not exist, this activity is widely recognized.

Some Member States noted that issues of ocean governance are under the responsibility of the State Parties to the UN Convention on the Law of the Sea and the UN General Assembly. The chair of IOC/ABE-LOS noted that IOC could refer issues outside of its mandate and areas of competence to the UN General Assembly through their annual resolution on ocean affairs and the Law of the Sea.

Many Member States expressed the need for IOC to continue discussion, in particular to identify the scientific and technical issues related to sustained ocean observations and services in IOC's areas of mandate and competence, and to be proactive in working to reaffirm its leadership in

operational oceanography. After long discussion there was consensus on a decision to establish an intersessional consultation that would work by correspondence to identify these issues.

A number of Member States felt that this consultation should take place in the context of a parallel process defining the new Medium-Term Strategy of IOC, and touched on questions related to the future of the Commission within the UN system.

Several Member States recommended further action to reduce barriers to observations and data exchange in regional seas through regional or bilateral agreements.

Partnerships

The Secretariat presented an overview of the IOC's network of regionally distributed offices and a proposed revision of the guidelines for the establishment of decentralised offices (IOC/INF-1193) with the addition of "partnership centres". Partnership centres would share characteristics with UNESCO Category II centres at the IOC level, and would be established as in-kind contributions by Member States to underpin technical needs of international IOC programmes.

The idea of partnership centres was welcomed but further work was deemed necessary to address in a more comprehensive way issues concerning requirements, establishment procedures, reporting, and renewal methods.

The Secretariat was tasked to pursue intersessionally the definition of guidelines for partnership centres, in consultation with the Officers and Member States as appropriate, and to present these results at the Assembly at its 27th Session.

On the offer of the National Oceanographic Committee of the Russian Federation to establish a facility in Obninsk to support the IODE Ocean Data Portal development, Member States recognized the importance of the IODE Ocean Data Portal as a mechanism to promote and facilitate the exchange of and access to oceanographic data, as well as a mechanism for interoperability between similar data systems, such as the WMO's WIS. Noting that the operation of IODE will require substantial human resources, Member States welcomed this offer. The Secretariat pointed out that some institutional issues need further clarification in view of establishing the proposed centre for Ocean Data Portal as a partnership centre of IOC.

Consultative Bodies

Discussions on IOC/ABE-LOS took place during two parallel meetings in addition to the discussion in plenary session. Prof. Adoté Blim Blivi, IOC Vice-Chair, presented (i) the deliberations of the intersessional working group and (ii) the IOC/ABE-LOS Review and the analysis of the Questionnaire on the IOC Advisory Body of Experts on Law of the Sea.

Most Member States recognized that IOC/ABE-LOS had shown its ability to provide advice and had produced a number of guiding documents, although these were not being fully utilized for the advancement of marine scientific research.

The Executive Council discussed ways for IOC/ABE-LOS to operate and suggested that the setting up of ad hoc task teams for discussing new issues could be one method of working; IOC/ABE-LOS could also provide a platform for experts from different disciplines to discuss ways of addressing marine scientific research.

The Executive Council agreed that IOC/ABE-LOS should continue its work focused on priorities as tasked by IOC.

The Assembly at its 26th Session (Paris, 2011), by Decision 8.1 requested the Executive Secretary to reconvene the ad hoc Advisory Group for the IOC Ocean Sciences Section to help in the preparation of the next Medium-term Strategy (2014–2021) and the prioritization of the OSS activities.

Dr Atanas Palazov, Vice Chair of IOC and Chair of the ad hoc Advisory Group for Ocean Sciences, reported on the main elements and conclusions delivered by the Advisory Group: strategic context, overall scientific strategic priorities, barriers and implementation pillars.

Member States expressed support for and satisfaction with the vision and general content of the Advisory Group's report, stressing its aspirational approach and considering the report as a valuable document for future IOC planning. Discussion took place on ways to reinforce the recommendations of the Advisory Group and about the steps to be taken to develop a workplan in agreement with the IOC Medium-term Strategy still under development.

Prof. Peter Haugan, Vice-Chair of IOC and Chair of the Programme and Budget and the Financial Committee, presented the report of that committee and the decisions resulting from its four meetings as well as one from the Intersessional Financial Advisory Group and Working Group on Medium-term Strategy. The decisions were made available on-line in all languages and were adopted with little debate in plenary session. The report of Prof. Haugan will be annexed to the full report.

An intersessional group to advise on the revised text of the Guidelines for Draft Resolutions met and submitted revised guidelines and one decision. The Executive Council agreed to use the seventh draft revised Guidelines annexed to the decision on an experimental basis, and requested the Assembly to examine the Guidelines with a view to adopt them in the Assembly at its 27th Session.

Next Governing Body sessions

Given the present financial difficulties, the Executive Council decided that the 27th Session of the Assembly should have a duration shorter than decided by the Assembly at its 26th Session (26 June–9 July 2013). The 27th Assembly will start on 25 June 2013, with the Executive Council at its 46th Session acting as the Steering Committee of the Assembly and meeting on 24 June.

The Executive Secretary and the Officers will explore options for raising resources to organize the session with duration commensurate to the needs of the items on the agenda.

Although the possibility for any IOC Member State to host a session of the IOC governing bodies was reminded by the Executive Secretary, some Member States noted their preference for holding the session in Paris.

Report of the session

To conclude with the adoption of the report, it is unfortunate that this agenda item was delayed until after the interpreters were dismissed due to the unexpected duration of previous discussions.

Pursuant to Rule of Procedure 48, the Executive Council decided that this summary of the discussion, after being reviewed by the Chair and the Rapporteur, would be circulated by the Executive Secretary to all attendees of the session within two weeks and approved by heads of IOC Delegations to this Council by correspondence. The decisions approved during the session are available on line in all IOC languages and will be compiled in the final report.

The summary report of the session will be completed in final form by the Secretariat, taking into account the comments received concerning the draft. The summary report will include the following sections:

- The procedural report for each item on the agenda inclusive of the decisions taken and the names of Member States which provided a national statement
- Annex: Agenda
- Annex: The Chair's summary of the discussion (this report)
- Annex: Member States interventions (in the original language)
- Annex: The report of the Chair of the Financial Committee if available (in the original language)
- Annex: The closing speech of the Director-General
- Annex: List of documents
- Annex: List of participants
- Annex: List of acronyms

Ms Irina Bokova, Director-General of UNESCO concluded the session by reiterating her strong support for the IOC and emphasizing that IOC programmes are important to all UNESCO goals. She made a strong call for action to the Member States in this difficult time for UNESCO and the IOC.

In concluding I should like to express sincere gratitude to the members of the Council and the IOC Secretariat for supporting me in the performance of my duties as Chairperson and for working genuinely in a spirit of consensus and dialogue albeit many changes in our proceedings. Allow me to pay tribute also to the Vice-chairs who supported the Council throughout these proceedings and Frederico A. Saraiva Nogueira in particular for his role as rapporteur for this session.

The 45th Session of the Executive Council was closed at 18:25 on 28 June 2012.

ANNEX VI

LIST OF DOCUMENTS

Document Code	Title	Agenda Items	Languages available
WORKING DOCUMENTS			
IOC/EC-XLV/1 Prov.	Provisional Agenda	2.1	E F R S
IOC/EC-XLV/1 Add. Prov.	Provisional Timetable	2.4	E only
IOC/EC-XLV/2 Prov. Rev.	Revised Provisional Annotated Agenda	2.1	E F R S
IOC/EC-XLV/4 Prov. Rev.	Revised List of Documents (<i>This document</i>)	2.4	E F R S
IOC/EC-XLV/2 Annex 1	Statement of the Chair on the State of the Commission	3.1	E F R S
IOC/EC-XLV/2 Annex 2	Report of the Executive Secretary on Programme Implementation	3.2	E F R S
IOC/EC-XLV/2 Annex 2 Add.	Resolution Implementation Report	3.2	E only
IOC/EC-XLV/2 Annex 3	Report on Budget Execution 2010-2011 and Anticipated Funding for 2012	3.2	E F R S
<i>IOC/EC-XLV/2 Annex 4</i>	<i>(not attributed. See document IOC/EC-XXXIX/2 Annex 5)</i>	--	--
IOC/EC-XLV/2 Annex 5	The Future Needs for Intergovernmental Coordination and Governance for Sustained Ocean Observations & Services	4.2	E F R S
IOC/EC-XLV/2 Annex 6 Rev.	Centre for the Ocean Data Portal	4.2.1	E F R S
IOC/EC-XLV/2 Annex 7	Review of IOC/ABE-LOS	4.3	E F R S
IOC/EC-XLV/2 Annex 8	Status of IOC Budget and Priority Funding Plan for 2012–2013	5.1	E F R S
IOC/EC-XLV/2 Annex 9	Draft IOC Medium-Term Strategy for 2014–2021	5.2	E F R S
IOC/EC-XLV/2 Annex 10	Sixth Draft Revised Guidelines for the Preparation and Consideration of Resolutions, Decisions and Recommendations	5.3	E F R S
IOC/EC-XLV/2 Annex 11	Proposal for the Revision of the IOC Manual IOC/INF-1193, Section 2	5.4	E F R S
REPORTS OF IOC AND COOPERATIVE BODIES REQUIRING ACTION			
ICG/CARIBE EWS-VII/3s	Executive Summary Report of the 7th Session of the Intergovernmental Coordination Group for the Tsunami and Other Coastal Hazards Warning System for the Caribbean and Adjacent Regions (ICG/CARIBE-EWS-VII), 2–4 April 2012, Curacao	3.2	E F R S

Document Code	Title	Agenda Items	Languages available
ICG/NEAMTWS-VIII/3s	Executive Summary Report of the 8th Session of the Intergovernmental Coordination Group for the Tsunami Early Warning and Mitigation System in the North-eastern Atlantic, the Mediterranean and connected seas (ICG/NEAMTWS) (Santander, Spain, 22–24 November 2011)	3.2	E only
TOWS-WG-V/3s	Executive Summary Report of the 5th Session of the Working Group on Tsunamis and Other Hazards Related to Sea-Level Warning and Mitigation Systems, 15 February 2012, Tokyo, Japan	3.2	E (Ex. Sum. In E F R S)
IOCAFRICA-I/3s	Executive Summary Report of the 1st Session of the IOC Sub-Commission for Africa and the Adjacent Island States (IOCAFRICA-I), 2–3 May 2012, Nairobi, Kenya	3.2	E F R S
WESTPAC-IX/3s	Executive Summary Report of the 9th Session of the IOC Sub-Commission for the Western Pacific (WESTPAC-IX), 9–12 May 2012, Busan, Republic of Korea	3.2	E only
IOC/GOOS-SC-I/3s	Executive Summary Report of the 1st Session of the Steering Committee of the Global Ocean Observing System, Paris, France, 20–22 June 2012 (<i>available at the Session</i>)	3.2	E F R S
WMO-IOC/JCOMM-IV/3s	Executive Summary Report of the 4th Session of the WMO-IOC Joint Technical Commission for Oceanography and Marine Meteorology, Yeosu, Republic of Korea, 23–31 May 2012), (<i>available at the Session</i>)	3.2	E F R S
IOC Workshop Report, 250	The Future of IOC toward next 10 years and its implication for Member, 19 March 2012, Varna, Bulgaria	4.2	E F R S

INFORMATION DOCUMENTS

IOC/INF-1292	IOC Contribution to the Rio+20 Process and Follow-up	4.1	E only
IOC/INF-1291	Short Technical Report Scoping Operational Oceanography Meeting of the IOC Officers 1 February 2012	4.2	E only
IOC/INF-1293	Review of IOC/ABE-LOS - Analysis of the Questionnaire on the IOC Advisory Body of Experts on Law of the Sea (IOC/ABE-LOS) – December 2011	4.3	E only
IOC/INF-1294	Report of the Ad hoc Advisory Group on Ocean Sciences Section	4.4	E only
IOC/INF-1295	IOC/ICAM Plan of Action for Regional and Global Implementation	4.4	E only

Document Code	Title	Agenda Items	Languages available
IOC/IFAG-2012-1	Status of IOC Budget from All Sources under the Reduced Regular Budget Envelope and Implementation of the Programme for 2012–2013	5.1	E only
IOC/INF-1280	Towards a Medium-Term Strategy for 2014–2019 Perspectives from the Secretariat	5.2	E only
BACKGROUND DOCUMENTS			
IOC/EC-XXXIX/2 Annex 5	Proposed Clarifications for Consultations with the Director-General on the Appointment of the Secretary IOC	3.2	E F R S
IOC/Future-I/3	IOC Working Group on the Future of IOC First Session, UNESCO Headquarters, Paris, France, 19–20 February 2008	4.2	E (Ex. Sum. in E F R S)
IOC/INF-1283	Draft IOC Fundraising Strategy	5.1	E only
IOC/INF-1193	Guidelines for the Establishment of Decentralized Offices	5.4	E only

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ANNEX VIII

ACRONYMS

Acronym	Title
ABE-LOS	Advisory Body of Experts on the Law of the Sea [IOC]
ADG	Assistant Director-General
C/4	UNESCO's six-year Medium-Term Strategy
C/5	UNESCO's two-year Programme and Budget
CARIBE-EWS	Tsunami and other Coastal Hazards Warning System for the Caribbean and Adjacent Regions
CD	Capacity Development (IOC programmatic section)
DG	Director-General [UNESCO]
EB	Extrabudgetary (fund)
EC	Executive Council [IOC]
EEZ	Exclusive Economic Zone
GEF	Global Environment Facility [World Bank-UNEP-UNDP]
GEOHAB	International Science Programme on the Global Ecology and Oceanography of Harmful Algal Blooms
GOOS	Global Ocean Observing System
HAB	Harmful Algal Blooms
HLO	High Level Objective [UNESCO]
IAPSO	International Association for the Physical Sciences of the Ocean
ICAM	Integrated Coastal Area Management Programme
ICES	International Council for the Exploration of the Sea
ICG	Intergovernmental Coordination Group [tsunami governance – IOC]
ICSU	International Council for Science
IFAG	Intersessional Financial Advisory Group [IOC]
IOC/INF-	Information Document reference [IOC]
IOCAFRICA	IOC Sub-Commission for Africa and the Adjacent Island States
ICSPRO	Inter-secretariat Committee on Scientific Programmes Relating to Oceanography
INIO	Iranian National Institute for Oceanography
IOCINDIO	IOC Regional Committee for the Central Indian Ocean
IODE	International Oceanographic Data and Information Exchange
IOTWS	Indian Ocean Tsunami Warning and Mitigation System
IPHAB	Intergovernmental Panel on Harmful Algal Blooms
IPI	International Polar Initiative
IUGG	International Union of Geodesy and Geophysics
JCOMM	Joint Technical Commission for Oceanography and Marine Meteorology [WMO-IOC]

LME	Large Marine Ecosystems
NEAMTWS	Tsunami Early Warning and Mitigation System in the North-Eastern Atlantic, the Mediterranean and Connected Seas
NODC	National Oceanographic Data Centre
OBIS	Ocean Biogeographic Information System
OCEATLAN	Regional Alliance for the Upper Southwest and the Tropical Atlantic
ODA	Overseas Development Administration
ODP	Ocean Data Portal
PG-GOOS	Persian Gulf & Gulf of Oman Oceanographic Survey and Study
PICES	North Pacific Marine Science Organization
PMO	Port Meteorological Officer
RIHMI	All-Russian Research Institute of Hydrometeorological Information
RNODC	Responsible National Oceanographic Data Centre
RTSP	Regional Tsunami Service Providers
SC	Steering Committee
SCOR	Scientific Committee on Oceanic Research
SDG	Sustainable development goal
SIDS	Small Island Developing States
TOWS-WG	Working Group on Tsunamis and Other Hazards related to Sea-Level Warning and Mitigation Systems [IOC]
UN	United Nations
UNESCO	United Nations Educational, Scientific and Cultural Organization
WDC	World Data Centre
WESTPAC	IOC Sub-Commission for the Western Pacific
WMO	World Meteorological Organization
ZOPACAS	Zone of Peace and Cooperation of the South Atlantic



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INTERGOVERNMENTAL OCEANOGRAPHIC COMMISSION (of UNESCO)

Forty-fifth Session of the Executive Council Paris, 26–28 June 2012

Summary of discussions by Dr Sang-Kyung BYUN, IOC Chair

The Executive Council met in plenary session during three days from 26 to 28 June 2012, considered 19 items on its agenda (of which 11 were substantive) and approved 21 decisions and no resolutions. The plenary meeting was supported by some 11 preparatory meetings held the day preceding the opening of and during this session. Seven information side meetings were held during the session. The 45th Session of the IOC Executive Council was opened on Tuesday 26 June 2012 amid concerns for the budget challenges caused by reduced regular budget support from UNESCO.

A session under financial constraints

In order to maximize time and cost efficiencies, the Executive Council was urged to work in an abbreviated and somewhat different manner for the Session, including having this summary report by the Chair on the achievements and discussions. The summary Report of the Executive Council will consist of three parts: Decisions approved during the session and available in the working languages of the Commission on the Council website; a Summary of Technical Items; and the Chair's Summary Session Report on the discussions of the Member States. This Report summarizes the wide ranging discussions of the Member States. The detailed interventions, submitted by delegations, are also recorded in an Annex to the Final Report. These items will be assembled to constitute the final summary report, a practice similar to that used by other UNESCO bodies and proposed by the Secretariat to this Executive Council. The final report will be adopted in coming weeks by correspondence as allowed by IOC Rules of Procedure (XV-48-1).

Following the Chair's Statement on the State of the Commission and the Executive Secretary's Report on Programme Implementation and Report on the Budgetary Situation, the Executive Council congratulated the IOC Chair on his election and the Executive Secretary and the Secretariat on their work in continuing to achieve the objectives of the Commission in the face of financial constraints.

IOC High Level Objectives

Relative to High Level Objective 1, Prevention and reduction of the impacts of natural hazards, the draft decision on enlarging the Area of Responsibility (AoR) of the Intergovernmental Coordination Group for Tsunami and other Coastal Hazards Warning System for the Caribbean and Adjacent Regions (ICG/CARIBE-EWS) was not accepted. Interventions made by Member States made it clear that this proposal requires analysis of the need and feasibility of such change. Argentina, supported by Brazil, Cuba, Ecuador, Mexico and Peru suggested that a study be made before the decision is taken, at least for the Southern Atlantic. The Secretariat agreed with this approach and requested that funding be made available through the IOC Special Account toward the requested feasibility study.

In the context of High Level Objective 2, Mitigation of the impacts of, and adaptation to climate change and variability, the Executive Council supported IOC's role in the UN World Ocean Assessment (Regular Process).

The Executive Council also noted a continuing commitment to GOOS and the further development of operational oceanography and sustained observations. The key role of JCOMM was noted. The Executive Council also emphasized the need for IOC contributions to the success of these programmes.

Concerns were highlighted about the potential permanence of the 'temporary' transfer of staff to other institutions such as WMO, and Member States were encouraged to contribute resources in order to maintain the Commission's capacity and strength in ocean science, services and observations.

The Executive Secretary reaffirmed GOOS as a priority for IOC, and noted the first meeting of the recently created Interim GOOS Steering Committee, held in Paris, from 20 to 22 June. Concerns were expressed about the geographic balance of the new GOOS Steering Committee. The Executive Secretary pointed out that the group was close to geographic balance, exceeded gender balance goals, had an appropriate scientific and technical discipline balance, and most importantly was committed to working with all GOOS Regional Alliances.

The Council agreed that the International Polar Initiative concept document should be presented to the consideration of the Assembly at its 27th Session to allow Member States to comment on IOC's role.

The Islamic Republic of Iran expressed the desire to make an in-kind contribution through the creation of support centres for each of IOC's High Level Objectives, wanting to work with IOC, GOOS, IOTWS and other programmes, with a minimum investment of US\$ 1 million.

No particular issues were raised by Member States regarding High Level Objective 3, Safeguarding the health of ocean ecosystems.

In the context of High Level Objective 4, Management procedures and policies leading to the sustainability of coastal and ocean environment and resources, members of the Executive Council noted the activities implemented during the intersessional period, by the three Regional Sub-Commissions (Africa and the Adjacent Island States (IOCAFRICA), Caribbean (IOCARIBE), and Western Pacific (WESTPAC)) and in particular the outcomes of the First Intergovernmental Session of IOCAFRICA (May 2012, in Kenya) and the Ninth Intergovernmental Session of WESTPAC (May 2012, in Republic of Korea).

Regional Subsidiary Bodies

A large number of Member States stressed the important role of the Regional Subsidiary Bodies as a key mechanism and vehicle of IOC for the development and implementation of the IOC programmes and Medium-Term Strategies, and expressed support for their continuous strengthening. Collaboration among the Regional Subsidiary Bodies, such as the proposed exchange programme between IOCAFRICA and WESTPAC, was welcomed as there is a need to further synergize the efforts between IOC Global Programmes and IOC Regional Subsidiary Bodies.

Some Member States were commended for their continued support to regional activities, and in particular the Government of Korea for its financial support for the First Session of the IOC Sub-Commission for Africa and the Adjacent Island States. Nevertheless Member States are urged to increase their support for the Regional Subsidiary Bodies, including via secondments of experts in IOC Regional offices.

Recruitment of the next Executive Secretary

While considering the process for the recruitment of the next Executive Secretary of the IOC, the Council noted the need to review and update the post announcement to reflect its functions and the agreed post grade of ADG, common to the United Nations system, and acting at the service of the Commission.

On governance

The Executive Secretary reported on the very successful involvement of the IOC in the RIO+20 United Nations Conference on Sustainable Development which concluded during the week before the 45th Session of the Executive Council. The Executive Secretary reported on significant work accomplished since the 26th Session of the IOC Assembly, in preparation for Rio+20, including the production of the interagency publication, *A Blueprint for Ocean and Coastal Sustainability*, and participation in several preparatory workshops.

The Executive Secretary described the IOC's participation in Rio+20 noting in particular the three major events directly organized or co-organized by the IOC.

Finally the Executive Secretary reported that the Rio+20 outcome document, contains 18 paragraphs on 'Oceans and Seas', several directly relevant to IOC.

The Rio+20 intergovernmental process will continue as the UN General Assembly formulates Sustainable Development Goals. A specific Ocean Sustainable Development Goal seems to be supported by Member States. With respect to this, the IOC could provide scientific and technical inputs to the SDG process, and has offered a Voluntary Commitment on Capacity Building through its Capacity Development survey and strategy on Marine Science.

There was ample recognition that the IOC played a key role in significantly raising the profile of oceans on the agenda at Rio+20. In the context of the outcome document, Brazil announced two concrete proposals: first, Brazil offered to host the next IOC/PICES/ICES International Symposium on Effects of Climate Change on the World's Oceans in 2015; and second, Brazil announced that it has initiated dialogue with Africa (under ZOPACAS: Zone of Peace and Cooperation of the South Atlantic) to develop new cooperation in marine science in the South Atlantic with the participation of the IOC.

What future?

There was a substantial debate on Agenda item 4.2 "The Future Needs for Intergovernmental Coordination and Governance for Sustained Observation and Services and the Future of the Commission", as amended by the Council in response to the interest of Member States in the subject. Thirty-three countries requested to serve on a sessional working group which met twice to begin the debate and prepare the decision for this item.

The debate continued during plenary session.

Member States noted that the science of oceanography has evolved and is increasingly expanding into an applied science. This provides societal benefit and is based on sustained observations and services. Even if a definition of "operational oceanography" did not exist, this activity is widely recognized.

Some Member States noted that issues of ocean governance are under the responsibility of the State Parties to the UN Convention on the Law of the Sea and the UN General Assembly. The chair of IOC/ABE-LOS noted that IOC could refer issues outside of its mandate and areas of competence to the UN General Assembly through their annual resolution on ocean affairs and the Law of the Sea.

Many Member States expressed the need for IOC to continue discussion, in particular to identify the scientific and technical issues related to sustained ocean observations and services in IOC's areas of mandate and competence, and to be proactive in working to reaffirm its leadership in operational oceanography. After long discussion there was consensus on a decision to establish, by correspondence, an inter-sessional consultation to identify these issues.

A number of Member States felt that this consultation should take place in the context of a parallel process defining the new Medium-Term Strategy of IOC, and touched on questions related to the future of the Commission within the UN system.

Several Member States recommended further action to reduce barriers to observations and data exchange in regional seas through regional or bilateral agreements.

Partnerships

The Secretariat presented an overview of the IOC's network of regionally distributed offices and a proposed revision of the guidelines for the establishment of decentralised offices (IOC/INF-1193) with the addition of "partnership centres". Partnership centres would share characteristics with UNESCO Category II centres at the IOC level, and would be established as in-kind contributions by Member States to underpin technical needs of international IOC programmes.

The idea of partnership centres was welcomed but further work was deemed necessary to address in a more comprehensive way issues concerning requirements, establishment procedures, reporting, and renewal methods.

The Secretariat was tasked to pursue intersessionally the definition of guidelines for partnership centres, in consultation with the Officers and Member States as appropriate, and to present these results at the Assembly at its 27th Session.

On the offer of the National Oceanographic Committee of the Russian Federation to establish a facility in Obninsk to support the IODE Ocean Data Portal development, Member States recognized the importance of the IODE Ocean Data Portal as a mechanism to promote and facilitate the exchange of and access to oceanographic data, as well as an mechanism for interoperability between similar data systems, such as the WMO's WIS. Noting that the operation of IODE will require substantial human resources, Member States welcomed this offer. The Secretariat pointed out that some institutional issues need further clarification in view of establishing the proposed centre for Ocean Data Portal as a partnership centre of IOC.

Consultative Bodies

Coming to the review of IOC/ABE-LOS, discussions took place during two parallel meetings in addition to the discussion in plenary session. Prof. Adoté Blim Blivi, IOC Vice-Chair, presented (i) the deliberations of the intersessional working group and (ii) the IOC/ABE-LOS Review and the analysis of the Questionnaire on the IOC Advisory Body of Experts on Law of the Sea.

Most Member States recognized that IOC/ABE-LOS had shown its ability to provide advice and had produced a number of guiding documents, although these were not being fully utilized for the advancement of marine scientific research.

The Executive Council discussed ways for IOC/ABE-LOS to operate and suggested that the setting up of ad hoc task teams for discussing new issues could be one method of working; IOC/ABE-LOS could also provide a platform for experts from different disciplines to discuss ways of addressing marine scientific research.

The Executive Council agreed that IOC/ABE-LOS should continue its work focused on priorities as tasked by IOC.

The Assembly at its 26th Session (Paris, 2011), by Decision 8.1 requested the Executive Secretary to reconvene the ad hoc Advisory Group for the IOC Ocean Sciences Section to help in the preparation of the next Medium-term Strategy (2014–2021) and the prioritization of the OSS activities.

Dr Atanas Palazov, Vice Chair of IOC and Chair of the ad hoc Advisory Group for Ocean Sciences, reported on the main elements and conclusions delivered by the Advisory Group: strategic context, overall scientific strategic priorities, barriers and implementation pillars.

Member States expressed support for and satisfaction with the vision and general content of the Advisory Group's report, stressing its aspirational approach and considering the report as a valuable document for future IOC planning. Discussion took place on ways to reinforce the recommendations of the Advisory Group and about the steps to be taken to develop a workplan in agreement with the IOC Medium-term Strategy still under development.

Prof. Peter Haugan, Vice Chair of IOC and Chair of the Programme and Budget and the Financial Committee, presented the report of that committee and the decisions resulting from its four meetings as well as one from the Intersessional Financial Advisory Group and Working Group on Medium-term Strategy. The decisions were made available on-line in all languages and were adopted with little debate in plenary session. The report of Prof. Haugan will be annexed to the full report.

An intersessional group to advise on the revised text of the Guidelines for Draft Resolutions met and submitted revised guidelines and one decision. The decision was adopted with little discussion.

Next Governing Body sessions

Given the present financial difficulties, the Executive Council decided that the 27th Session of the Assembly should have a duration shorter than decided by the Assembly at its 26th Session (26 June–9 July 2013). The 27th Assembly will start on 25 June 2013, with the Executive Council at its 46th Session acting as the Steering Committee of the Assembly and meeting on 24 June.

The Executive Secretary and the Officers will explore options for raising resources to organize the session with duration commensurate to the needs of the items on the agenda.

Although the possibility for any IOC Member State to host a session of the IOC governing bodies, some Member States noted their preference for holding the session in Paris.

Report of the session

To conclude with the adoption of the report, it is Unfortunate that this agenda item was delayed until after the interpreters were dismissed due to the unexpected duration of previous discussions.

Pursuant to Rule of Procedure 48, the Executive Council decided that this summary of the discussion, after being reviewed by the Chair and the Rapporteur, would be circulated by the Executive Secretary to all attendees of the session within two weeks and approved by heads of IOC Delegations to this Council by correspondence. The decisions approved during the session are available on line in all IOC languages and will be compiled in the final report.

The summary report of the session will be completed in final form by the Secretariat, taking into account the comments received concerning the draft. The summary report will be structured as follows:

- Part 1: The procedural report for each item on the agenda inclusive of the decisions taken and the names of Member States which provided a national statement
- Part 2: The Chair's summary of the discussion (this report)
- Annex : Member States interventions (in the original language)
- Annex I: The report of the Chair of the Financial Committee if available (in the original language)
- Annex II: The closing speech of the Director-General
- Annex III: List of documents
- Annex IV: List of participants
- Annex V: List of acronyms

Ms Irina Bokova, Director-General of UNESCO concluded the session by reiterating her strong support for the IOC and emphasizing that IOC programmes are important to all UNESCO goals. She made a strong call for action to the Member States in this difficult time for UNESCO and the IOC.

In concluding I should like to express sincere gratitude to the members of the Council and the IOC Secretariat for supporting me in the performance of my duties as Chairperson and for working genuinely in a spirit of consensus and dialogue albeit many changes in our proceedings. Allow me to pay tribute also to the Vice-chairs who supported the Council throughout these proceedings and Frederico A. Saraiva Nogueira in particular for his role as rapporteur for this session.

The 45th Session of the Executive Council was closed at 18:25 on 28 June 2012.