



United Nations
Educational, Scientific and
Cultural Organization

Organisation
des Nations Unies
pour l'éducation
la science et la culture

Organización
de las Naciones Unidas
para la Educación
la Ciencia y la Cultura

Организация
Объединенных Наций по
вопросам образования
науки и культуры

• Intergovernmental
• Oceanographic
• Commission

• Commission
• océanographique
• intergouvernementale

• Comisión
• Oceanográfica
• Intergubernamental

• Межправительственная
• океанографическая
• комиссия

One Planet, One Ocean: *The Intergovernmental Oceanographic Commission of UNESCO*

Dr Vladimir Ryabinin
Executive Secretary,
Intergovernmental Oceanographic Commission
Assistant Director-General, *UNESCO*

WCRP JSC-36
08.04.2015, Geneva

The Intergovernmental Oceanographic Commission of UNESCO:

- The only intergovernmental body in UN specializing in ocean science, services, observations, data exchange and capacity development
- 1960, 147 Member States

Objectives

- * Healthy ocean
- * Early warning for ocean hazards
- * Resilience of society and ecosystems to climate change & variability
- * Knowledge of emerging issues



GLOBAL OCEAN SCIENCE REPORT

INTRODUCTION

RESEARCH INVESTMENT

RESEARCH CAPACITY AND INFRASTRUCTURE

RESEARCH PRODUCTIVITY AND SCIENCE IMPACT

OCEANOGRAPHIC DATA AND INFORMATION
EXCHANGE

INTERNATIONAL SUPPORTING ORGANIZATIONS ON
OCEAN SCIENCE - SCIENTIFIC ORGANIZATIONS;
FISHERIES MANAGEMENT ORGANIZATIONS; THE
ROLE OF INTERNATIONAL PROJECT OFFICES

CONTRIBUTION OF MARINE SCIENCE TO THE
DEVELOPMENT OF OCEAN AND COASTAL POLICIES
AND SUSTAINABLE DEVELOPMENT - PAST
EXAMPLES; CURRENT CHALLENGES; EMERGING

ISSUES

CONCLUSIONS

- a) Gaps in knowledge, research, capacity and technical infrastructure
- b) Findings and opportunities
- c) Capacity building and transfer of technology
- d) Opportunities for international collaboration



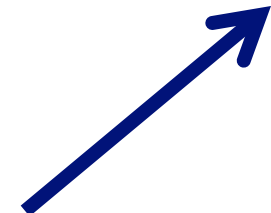
IOC/EC-XLIX

July 2016



IOC/EC-XLVII

July 2014



OCEANS AND CLIMATE CHANGE

CLIMATE - ONE OF IOC HIGH-LEVEL OBJECTIVES

3RD SYMPOSIUM ON CLIMATE CHANGE AND OCEANS, SANTOS, BRAZIL, MARCH 2015

FOCUS: FROM DETECTION AND ATTRIBUTION TO ADAPTATION AND MITIGATION

DOING MORE FOR GOVERNANCE, DECISION MAKING, AND PUBLIC AWARENESS CREATION



IOC

IOC and WCRP

1. TRYING TO RESTORE THE BASIC FUNDING FOR WCRP (NOT EASY !)

2. CLIVAR OSC 2016, QINGDAO - SUPPORT?

OR 2016: 10 YEARS AFTER THE PARIS SEA-LEVEL MEETING, ANOTHER ONE?

WCRP/IOC TG ON SEA LEVEL VARIABILITY AND CHANGE - TO CONTINUE THE SEA-LEVEL WORK THROUGH THE WCRP GRAND CHALLENGE ON REGIONAL SEA LEVEL

3. INTERNATIONAL INDIAN OCEAN EXPEDITION 2 - ROLE OF CLIVAR
(REVIEW THE IIOE-2 SCIENCE PLAN TO ADD MORE EARTH SYSTEM IN THE PLAN)

4. RECOMMENDATION FROM THE IOC OCEAN SCIENCES SECTIONS: CONTINUE TO WORK WITH IMBER ON UPWELLING SYSTEMS AND THEIR ROLE IN (REGIONAL) CLIMATE (MTG IN 2015, TRIESTE)

5. OCEAN CARBON: ANOTHER MTG "OCEAN IN HIGH CO₂ WORLD, AUSTRALIA, 2016, WCRP ROLE



POLAR ISSUES

SUPPORTING THE WCRP POLAR CHALLENGE

SUPPORTIVE OF AN ARCTIC OCEAN AND CLIMATE BODY (CLIC)

TOGETHER WITH WMO (POSITIVELY) CONSIDERING PARTICIPATION
IN THE INTERNATIONAL POLAR PARTNERSHIP INITIATIVE



IOC

OCEAN RESEARCH PARTNERSHIP?

OCEAN RESEARCH ORGANIZATION MIGHT BE IMPROVED, GOSR USEFUL

IOC?

SCOR?

*Projects,
activities,
initiatives*

Future Earth ?

WCRP ?



IOC

OTHER CURRENT ISSUES OF RELEVANCE TO WCRP

UNFCCC COP 21, PARIS, DECEMBER 2015

**WORLD OCEANS DAY 2015. 8 JUNE, ACCREDITED WITH COP21
(REGISTRATION OPEN) - COMMUNICATION ON THE ROLE OF OCEAN IN CLIMATE
(FROM STUDENTS, LAY PUBLIC, TO PRESIDENTS AND MINISTERS, MEDIA)**

PARIS CLIMATE SCIENCE CONFERENCE, 7-10 JULY 2015

POTENTIAL IPCC SPECIAL REPORT ON THE OCEANS - TB DISCUSSED

POST 2015 DEVELOPMENT AGENDA. SDG 14 ON THE OCEAN

**CONSOLIDATING THE IOC WORK BASED ON THE ROLE OF THE OCEAN IN SUSTAINABLE
DEVELOPMENT AND THE CHALLENGES OF OCEAN SCIENCE. IOC AND WCRP STRUCTURES
MAY BE COMPLEMENTARY IN ADDRESSING SCIENCE QUESTIONS.**

IOC WILL CONTINUE IS WORK AS A WCRP SPONSOR INCLUDING ITS GUIDANCE...

