

# **International Council for Science (ICSU)**

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**Atelier AMURE, Ifremer,**  
**Brest, France, 19 Mai 2015**



## ICSU Strategic Plan II, 2012-2017

(including a summary of progress made in implementing the Strategic Plan I, 2006-2011)



***ICSU has a number of strategic partners that have been identified in association with various activities throughout this document. (....) Over the next six years the emphasis will be on developing and strengthening active global and regional partnerships, particularly in the context of new initiatives.***

# An overview

- Programmes
- Observing Systems
- Scientific Committees
- Science/Policy Science/Society

# Programmes



- ☐ Global Change Programmes (IGBP, WCRP)



- ☐ Future Earth



- ☐ Integrated Research on Disaster Risks

- ☐ Health and Wellbeing in a Changing Urban Environment

- ❑ Two keys aims: **Scientific integration & Co-production of knowledge**
  
- ❑ A **global platform** for international scientific collaboration
  - Enables **integrated research** on grand challenges and transformations to sustainability
  - Strengthens global **partnerships** between researchers, funders and users of research
  - **Communicates** science to society and society to science

# History



1980

1986

1991

1996

2001



IHDP

International Human Dimensions Programme  
on Global Environmental Change



# History



2001

**ESSP  
REVIEW**

2008



2010

Transition Team

2011

**BELMONT**  
F O R U M

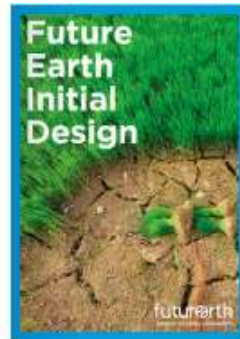
# History



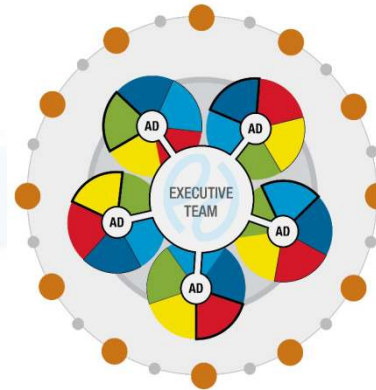
2012  
Rio + 20



July 2013



Late 2013  
*Final report of the  
Future Earth  
Transition Team  
published*



2014  
Globally distributed  
Secretariat  
announced



2015  
Executive  
Director  
and key staff  
appointed to  
Secretariat



# Research Themes

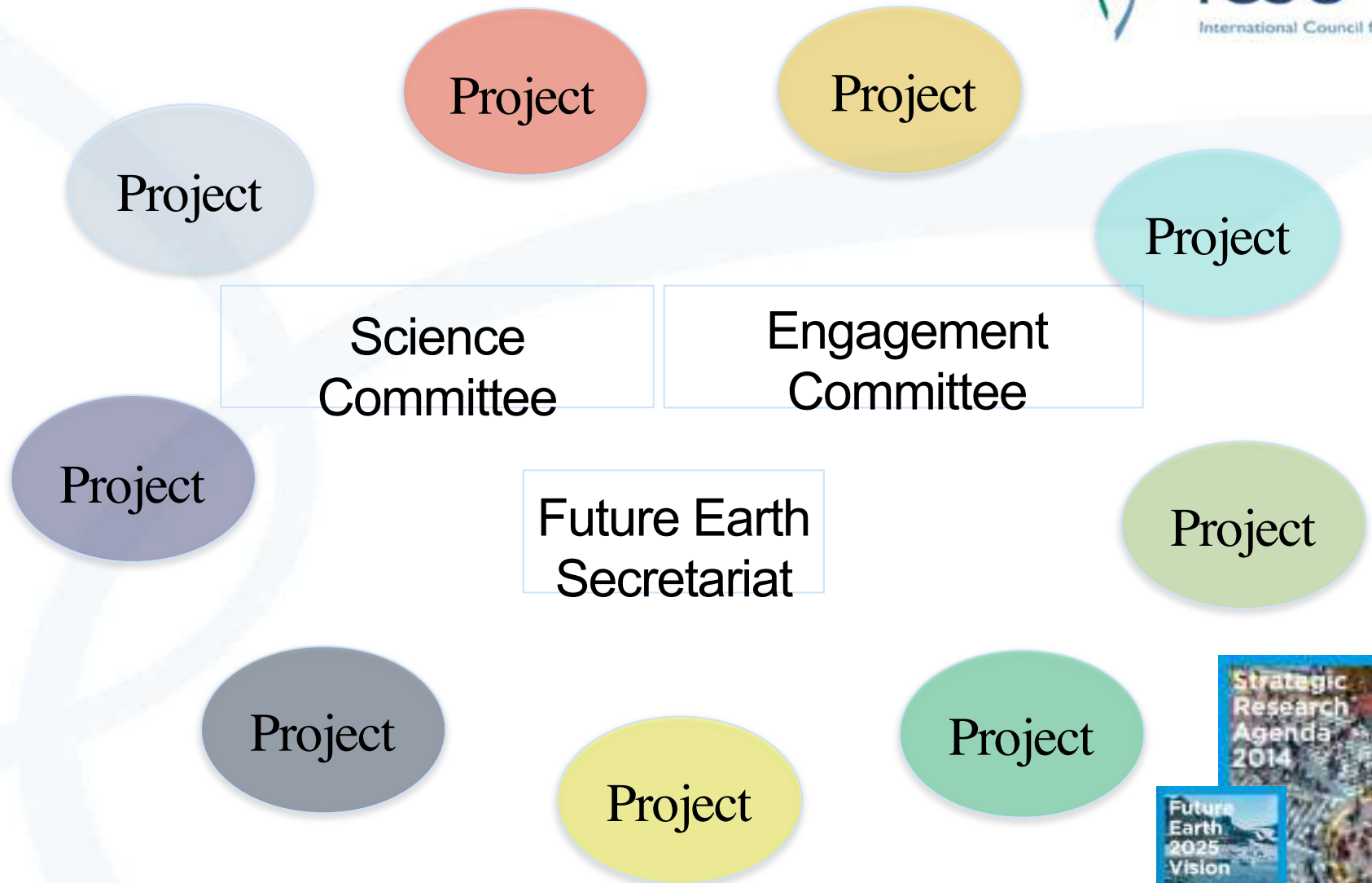


And cross-cutting issues: Observing systems, models, theory development, data management, research infrastructures

# Science and Technology Alliance for Global Sustainability



# Future Earth: structure



# Integrated Research on Disaster Risks



**Integrated Research on Disaster Risk (IRDR)** is a decade-long research programme co-sponsored by the International Council for Science (ICSU), the International Social Science Council (ISSC), and the United Nations International Strategy for Disaster Reduction (UNISDR). It is a global, multi-disciplinary approach to dealing with the challenges brought by natural disasters, mitigating their impacts, and improving related policy-making mechanisms.

[Call for nominations for the Integrated Research on Disaster Risk \(IRDR\) programme's Science Committee](#) May 11, 2015 Nominations are currently being sought for the governing body of this global, multi-disciplinary and multi-sectoral initiative addressing challenges and risks brought on by natural and human-induced hazards in an integrated fashion.



# Health and Wellbeing in the Changing Urban Environment



Health and Wellbeing in the Changing Urban Environment:  
a Systems Analysis Approach  
An Interdisciplinary Science Plan

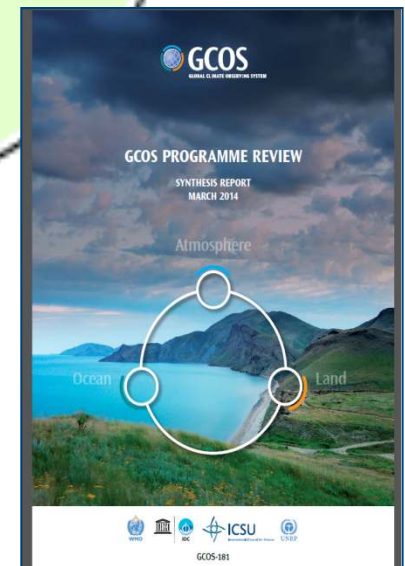
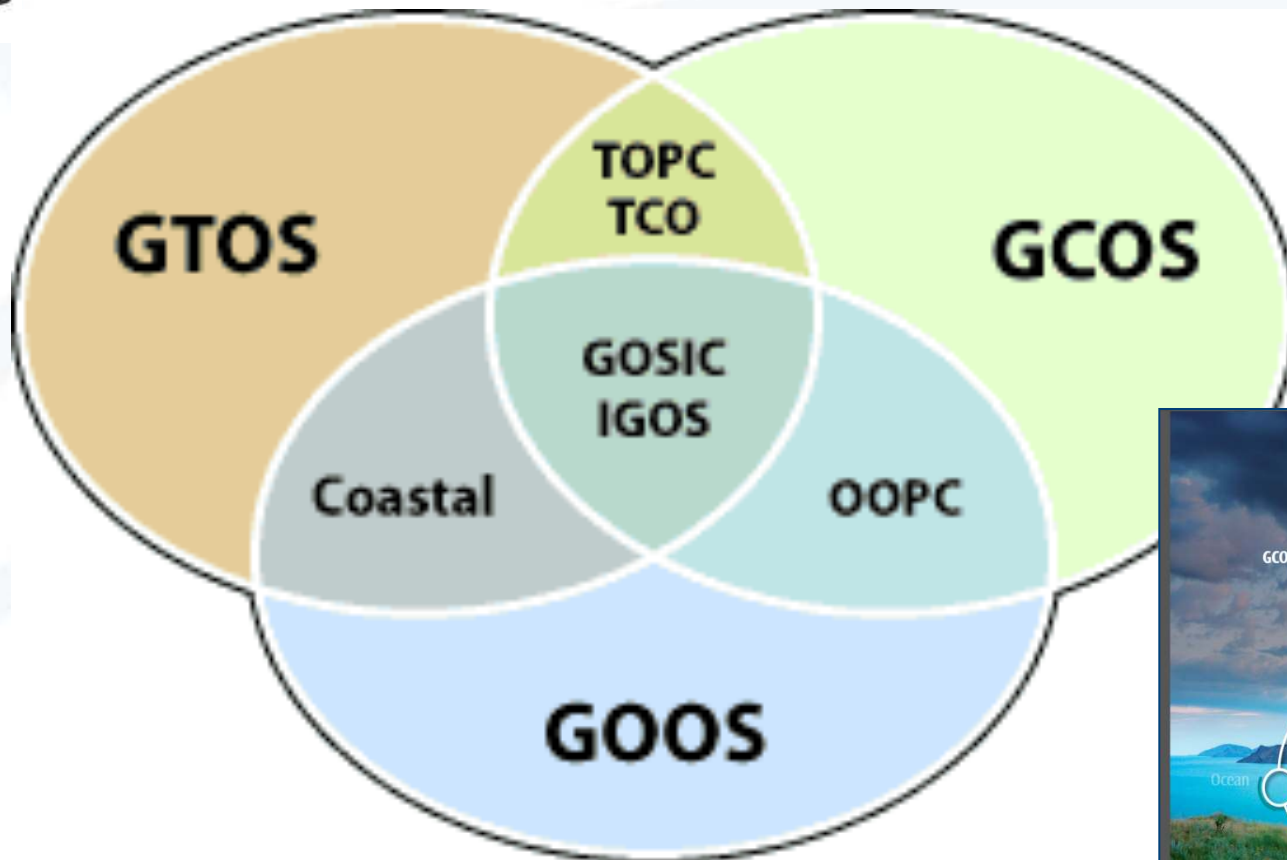


# Observing Systems

- ☐ GCOS – Global Climate Observing System
- ☐ GOOS – Global Ocean Observing System
- ☐ GTOS – Global Terrestrial Observing System



# Observing Systems: G3OS



# Scientific Committees

- ☐ **SCAR – Scientific Committee on Antarctic Research**
- ☐ **SCOR – Scientific Committee on Oceanic Research**
- ☐ **COSPAR – Scientific Committee on Space Research**
- ☐ **SCOSTEP – Scientific Committee on Solar-Terrestrial Physics**



# Scientific Committee

## ❑ SCAR – Scientific Committee on Antarctic Research

**2015 Internal Review of the SCAR Structure**  
SCAR is committed to continuous improvement through review, assessment as to progress, and revision of plans as necessary.



**The 1<sup>st</sup> SCAR Antarctic and Southern Ocean Science Horizon Scan** assembled the world's leading Antarctic scientists, policy makers, leaders, and visionaries to identify the most important scientific questions that will or should be addressed by research in and from the southern Polar Regions over the next two decades.

# Scientific Committee



## ❑ SCOR – Scientific Committee on Oceanic Research



**2015 SCOR Annual Meeting  
7-9 December 2015**

**National Institute of Oceanography  
Dona Paula, Goa, India**

SCOR is focusing some activities on the Indian Ocean region in the period of 2015-2020, as part of the Second Indian Ocean Experiment. SCOR is co-sponsoring, with the International Oceanographic Commission and the government of India, a symposium in Goa during the week before the annual SCOR meeting (see <http://www.IO50.incois.gov.in/>).

**Dynamics of the Indian Ocean: Perspective and Retrospective**  
**International Symposium on the Indian Ocean**  
November 30 - December 4, 2015  
Goa, India



Review committee

# Science/Policy, Science /Society

- ☐ **Disaster Risk Reduction / Sendai Frameworks**
- ☐ **Post-2015 Development Agenda Negotiations**
- ☐ **Climate Change Negotiations**

# Science/Policy: Disaster Risk Reduction



UN World Conference on  
Disaster Risk Reduction

14-18 March 2015, Sendai, Japan

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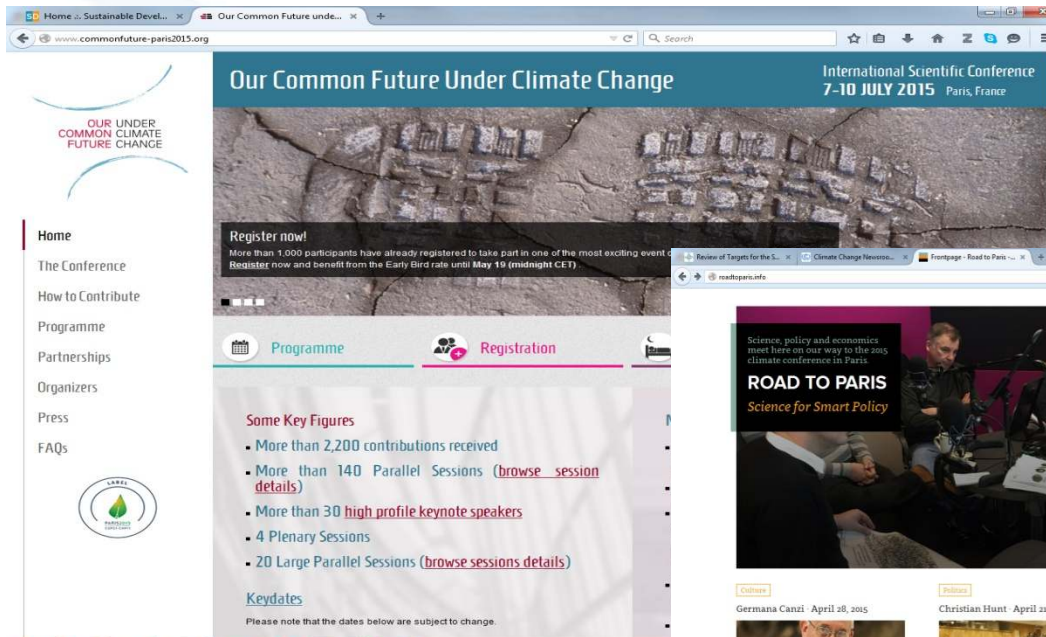
# Science /Policy: Post-2015 Development Agenda



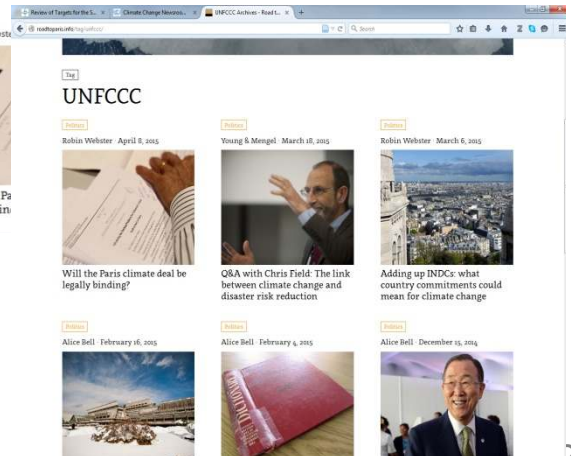
<http://www.icsu.org/science-for-policy/documents/statement-means-of-implementation-april-2015.pdf>



# Science/Policy: Climate Change Negotiations



<http://roadtoparis.info/>



**[www.ICSU.org](http://www.ICSU.org)**