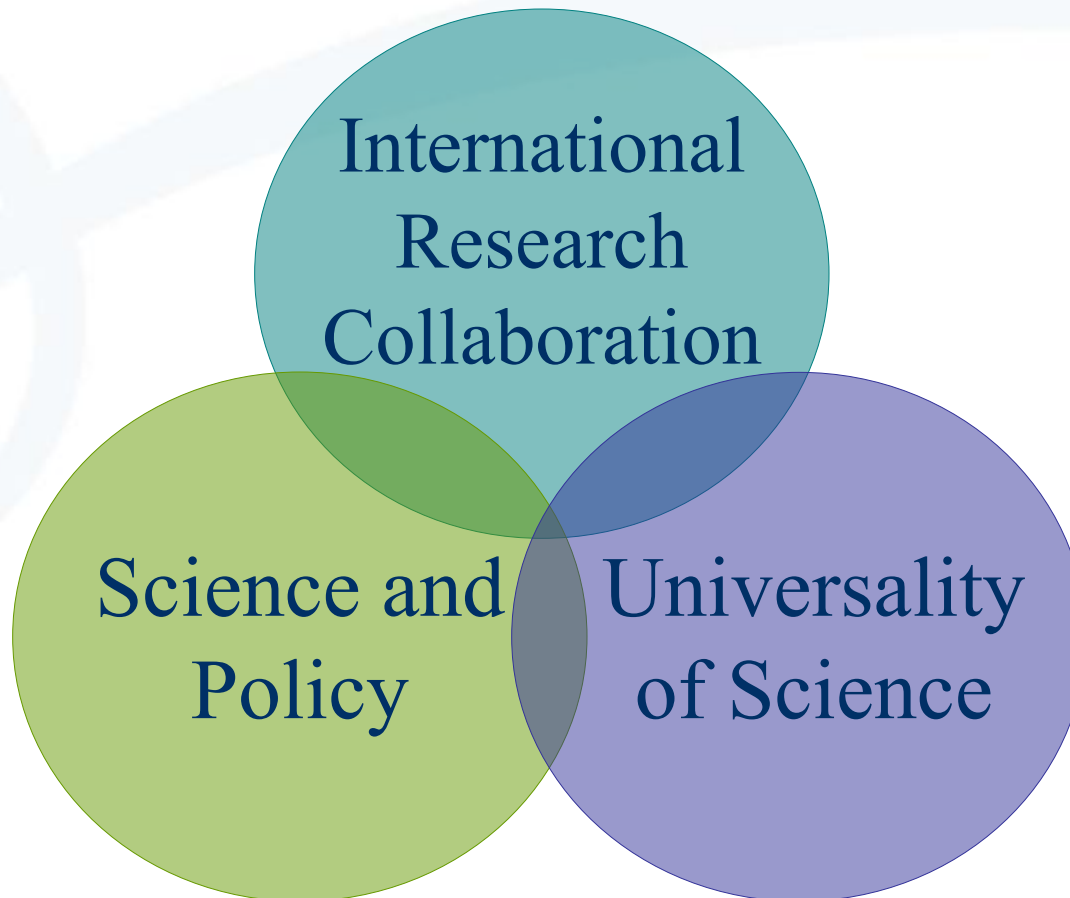


Developing the 2nd ICSU Strategic Plan, 2012-2017

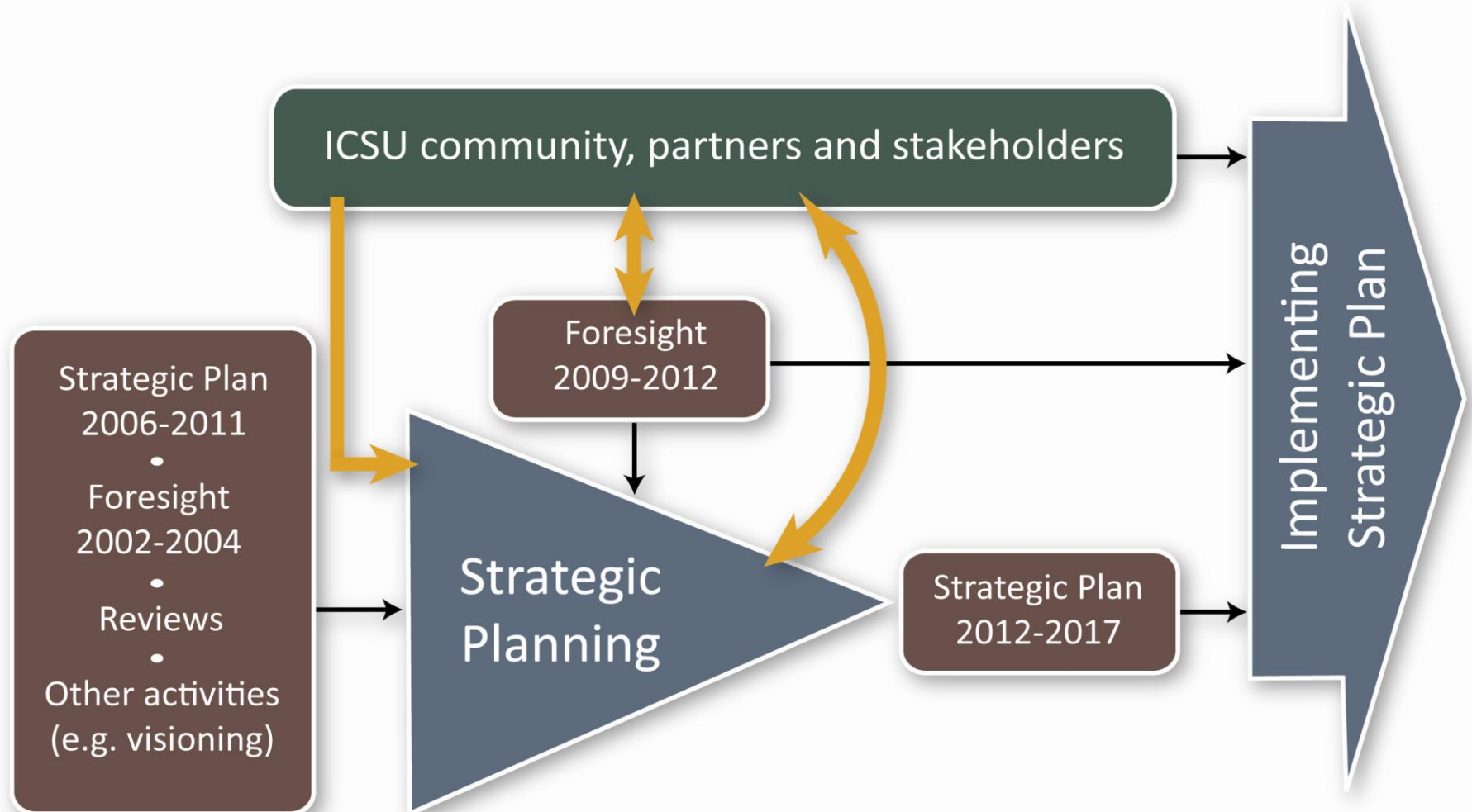
**Strengthening international
science for the benefit of
society**

Organising themes

Three inter-related themes:



Strategic Planning



Reviews and inputs

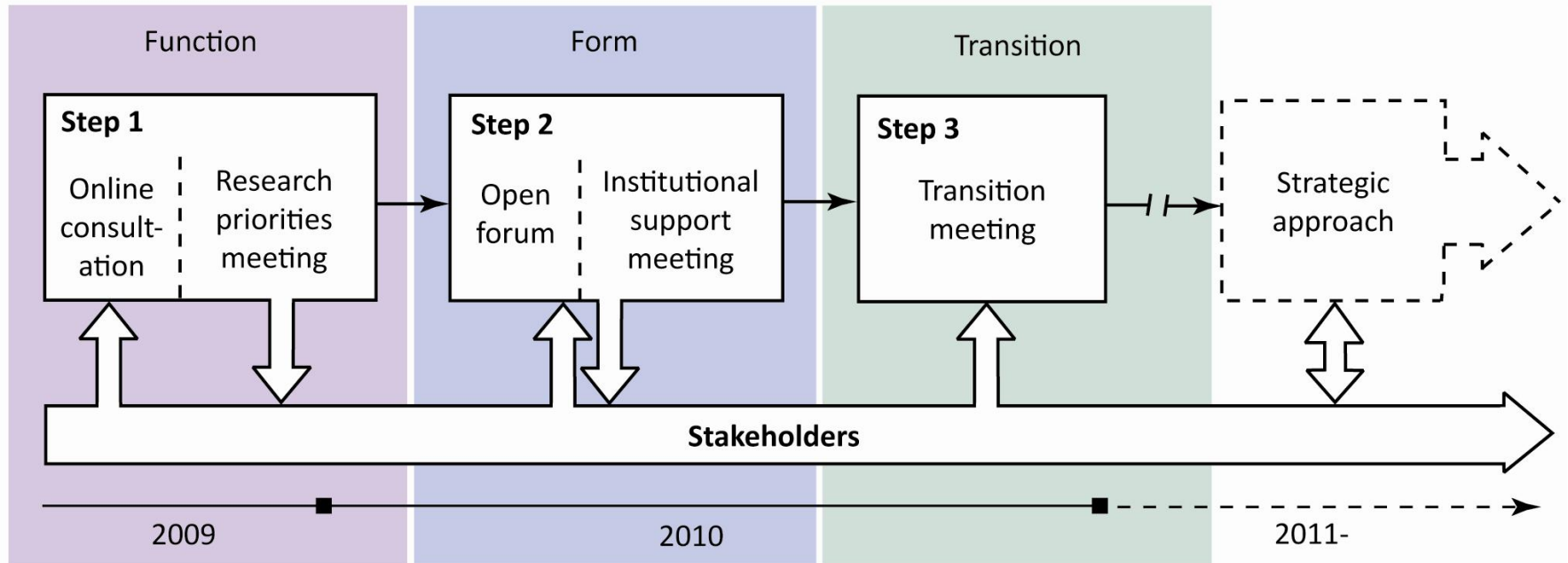
Strategic reviews:

- **Visioning for Earth Systems Science**
- Education review
- Regional Office reviews
- Data and Information (SCCID report)

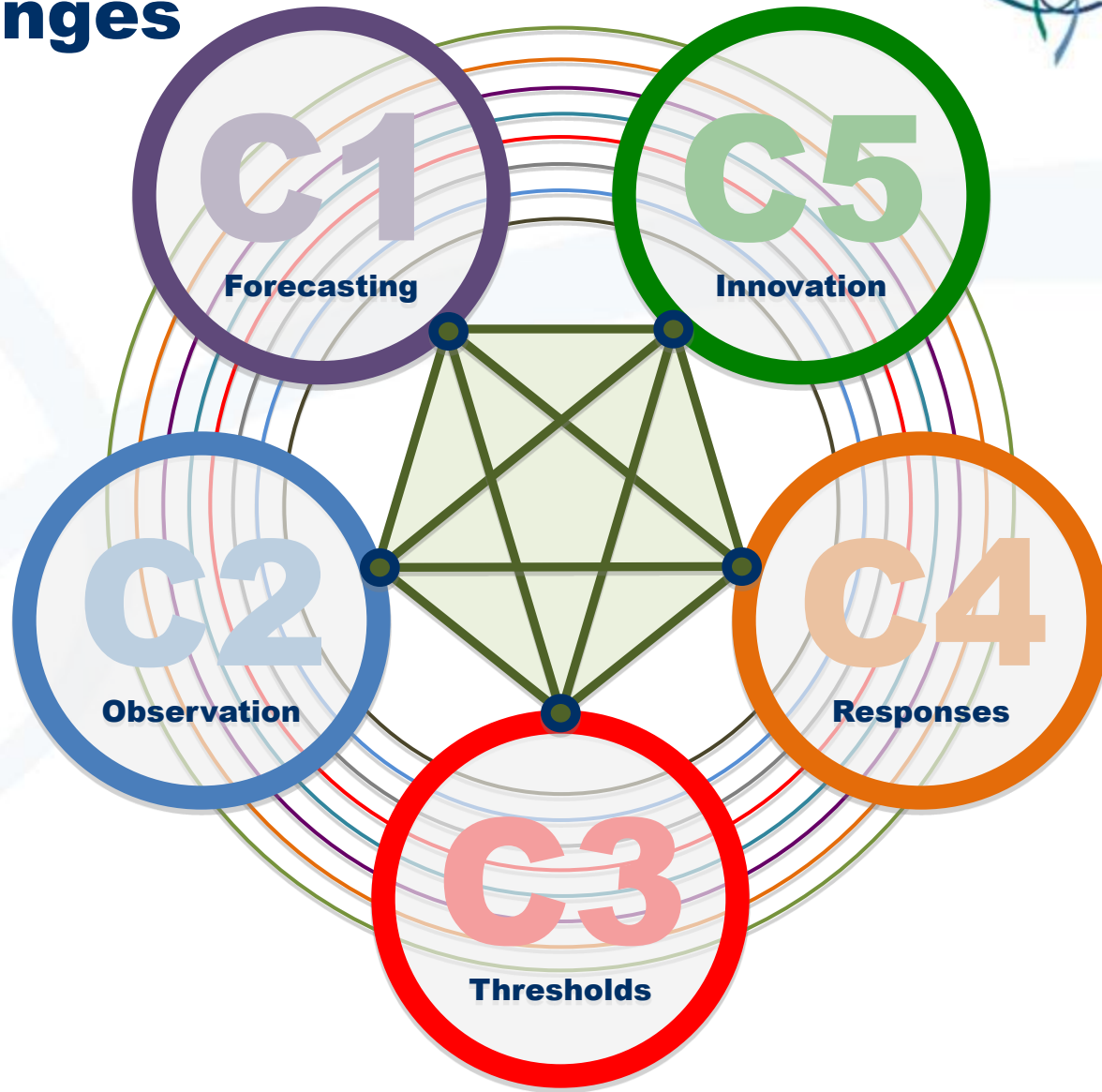
Other:

- Urban Health science plan
- IPY lessons learnt
- Energy
- New Horizons/Frontiers (rapid response)
- Global Observation Systems

Earth System Visioning Process



Grand Challenges



towards integrated Earth system science



Integrated
Earth
System
Science

(growing capability
of predicting the
Earth system
implications of
anthropogenic change)

A major new initiative

Earth system research for global sustainability

- Network structure
- Strong regional nodes
- Engagement with decision-makers
- Full range of disciplines
- Actively engage young scientists
- ? Integrate existing GEC programmes

Science for Policy

Strengthening UN partnerships:

- UNESCO (strategic)
- UNEP, e.g. ecosystem services and IPBES
- CSD and **Rio+20**

Universality of Science

- Data and Information:
 - World Data System (IPO in Japan in 2011)
- Regional Office reviews
- ? The Arab world
- ? The former Soviet block countries
- CFRS & research integrity/scientific responsibilities – revision to Statute 5

Timeline

Oct. 2011	General Assembly vote in Rome
May 2011	Executive Board approval
April 2011	CSPR sign off on strategic plan
Jan 2011	consultation on draft strategic plan
09-011	consultation-visioning, reviews, foresight
Sept 09-	CSPR launch edcn. review and foresight
Feb 09-	CSPR launch visioning and RO reviews
Dec 08	first consultation with Members
GA 08	“towards the 2 nd ICSU Strat. plan”

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New programmes/IBs

- Major new initiative on Global Sustainability Research (2011-)
- Hazards and Disasters (IRDR, 2009-)
- Ecosystems and Society (PECS, 2009-)
- Urban Health and Wellbeing (?2011-)

Structural issues

- Union (and National Member) involvement
- New models for programme implementation
- Role(s) of associates
- Links to funding and funders
- Science partnerships/member expansion
 - Social sciences (2006-)
 - Medical and engineering (?2012 -)

The Grand Challenges

1. **Forecasting:** Improve the usefulness of forecasts of future environmental conditions and their consequences for people.
2. **Observing:** Develop, enhance and integrate the observations systems needed to manage global and regional environmental change.
3. **Confining:** Determine how to anticipate, avoid and manage disruptive global environmental change.
4. **Responding:** Determine what institutional, economic and behavioural changes can enable effective steps toward global sustainability.
5. **Innovating:** Encourage innovation in developing technological, policy, and social responses to achieve global sustainability.