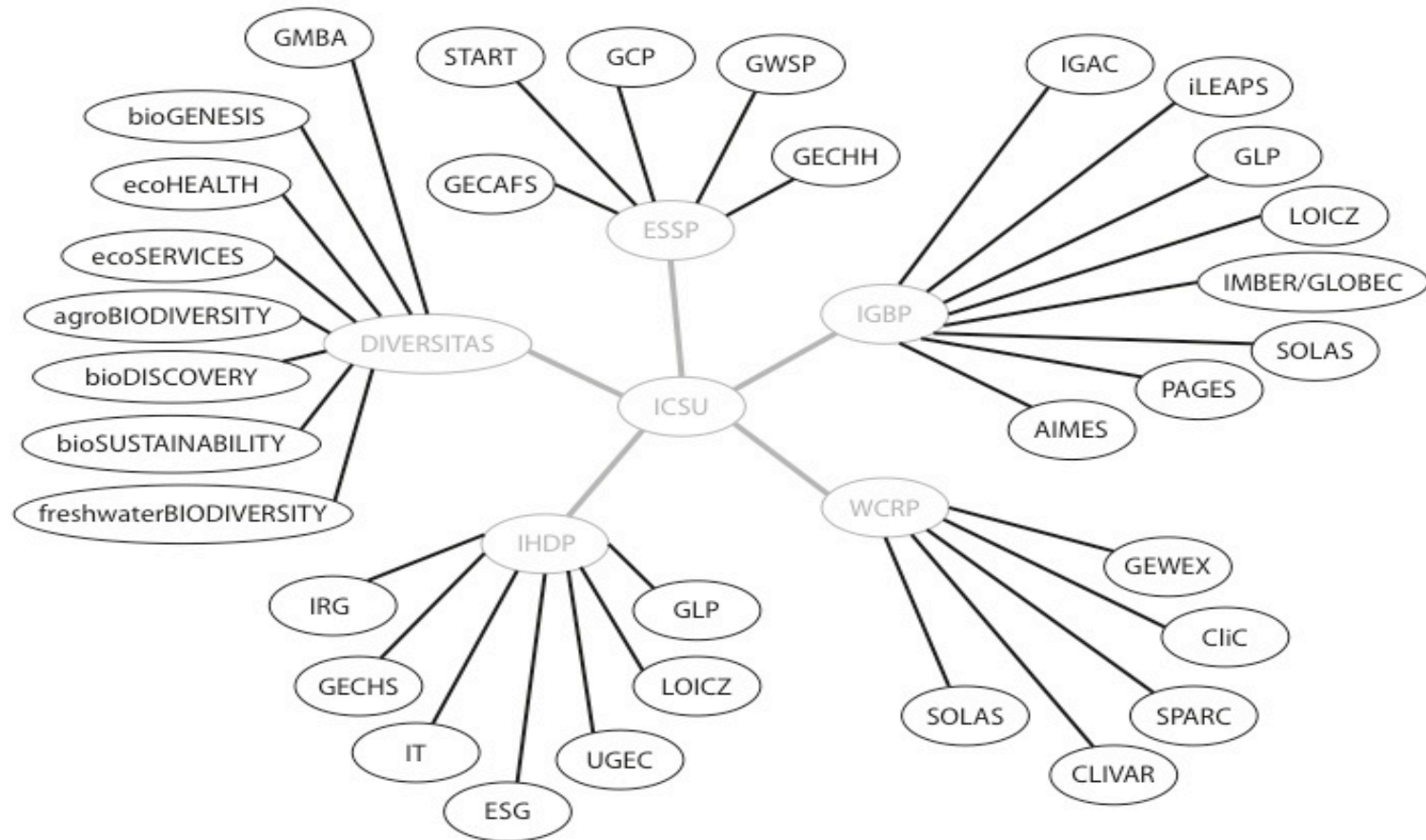


GEC Core Projects



Calling on >60,000 scientists worldwide

2025 Vision Challenges

- Nexus of Sustainable water, energy, and food systems
- Low carbon socio-economic systems
- Safeguard the terrestrial, freshwater and marine natural assets
- Build healthy, resilient and productive cities
- Promote sustainable rural futures
- Improve human health by understanding complex environmental interactions
- Encourage sustainable consumption and production patterns
- Increase social resilience to future natural threats

Fast Track Initiatives (2014)

- **Exploring nitrogen in Future Earth**
- **Scientific support for IPBES knowledge generation**
- **Liveable urban futures**
- **Bright spots: seeds of a good Anthropocene**
- **Global biodiversity monitoring, prediction and reporting**
- **Extreme events and environments from climate to society**
- **Linking earth system and socio-economic models to predict and manage changes in land use and biodiversity**
- **Sustainability for water, food and energy through integrated water information and improved governance**

BELMONT FORUM

Collaborative Research Actions (2013-2014)

- Arctic Observing and Research for Sustainability
- Scenarios of Biodiversity and Ecosystem Services
- Food Security and Land Use Change
- Freshwater Security
- Coastal Vulnerability
- 2015 - Now Open
 - [Mountains as Sentinels of Change](#)
 - [Climate Predictability and Inter-Regional Linkages](#)

Core projects >>
Core Knowledge
Networks

Fast track
activities

Major applied
challenge projects

Core engagement
interfaces

Existing...

GLP

ESG

Synthesis

IPCC

Main tasks for 2015

- Agree something like this
- Determine how many of each we can support
 - Determine how to populate content
 - Initiate staged development/transition
(with new initiatives developed out of Argentina)

Consolidated...?

...

Economics

Finance
sector?

New...?

Transformation

What are the modalities of analysis of biodiversity observations to SDG and society?

- **How do we communicate observations of changes and trends?**
- **How do we apply this information into knowledge that is useful to multiple sectors of decision makers?**
- **What are the critical intersections between research disciplines and society?**
- **How do we define a practical strategy for coordination of joint efforts ?**

Developing other areas

- **Process-oriented**
 - Future Earth strategy on youth mobilization [Cheikh Mbow]
 - Sustainability strategy [Corinne LeQuere]
 - Conflict of Interest policy [secretariat]
 - New Initiatives Strategy [Susi Moser, Belinda Reyers, Heinz G]
 - etc
- **Science oriented**
 - Engagement paper development [Susi Moser, Mark SS]
 - Policy Brief on SDGs (and process for these) [Mark SS]
 - etc
- **Community support and development**
 - Linking activities (e.g. ISSC Transformations project assessment)
 - Conferences (many presentations by members; organising committees)
 - etc

Other topics

- **New research directions/pilots**
 - Emerging from Argentina
 - New initiatives more generally (from SC, from community, from other processes like ISSC, Belmont: modes of linking)
- **Building new communities**
 - Multiple modes, some mentioned
 - Unions? Reaching out to those we don't 'know'?
- **Support needs**
 - Meetings; other activities of SC, and work with EC
- **Connecting Core Projects etc with SC**



Enhancing Research Activities

- Maintaining interdisciplinary and trans-disciplinary research to further our understanding of the dynamic earth system
- Provide knowledge sharing and translation of findings between research communities, practitioners, and decision makers
- Establish mechanism for co-development of research strategies with user community



Co-Design Co-Develop Co-Production