

IGFA/Belmont Forum : a key funders group

- World's **major and emerging funders** of global environmental change research, and international science councils
 - Initiated in **2009**, by NSF (US) and NERC (UK)
 - Acting as Council of Principals for **IGFA**, a larger group of funding agencies group since 1990s
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| <ul style="list-style-type: none"> • Australia/CSIRO • Austria/BMWF • Brazil/FAPESP • Canada/NSERC • China/NSFC • European Commission/DG R&I • France/CNRS&ANR • Germany/DFG&BMBF • India/MoES | <ul style="list-style-type: none"> • Japan/MEXT&JST • Norway/RCN • South Africa/NRF • United Kingdom/NERC • United States/NSF • <i>International Council for Science (ICSU)</i> • <i>International Social Sciences Council (ISSC)</i> |
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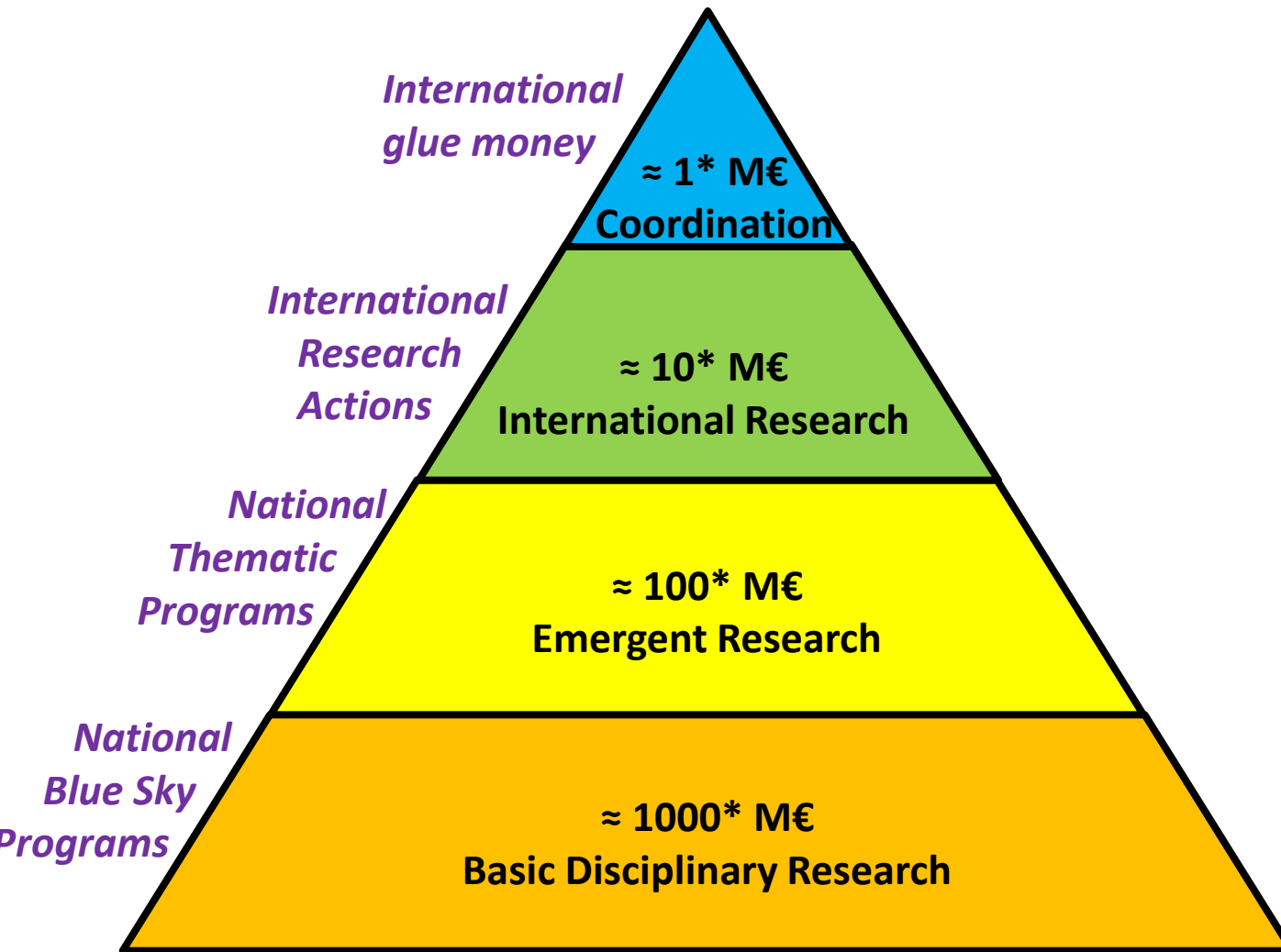
Prepared for Future Earth regional workshops
 Kuala Lumpur, 21-23 November 2012
 P. Monfray et al., Belmont Forum

>>> The IGFA/Belmont Forum has been asked by the Alliance to coordinate and diffuse a Funding Strategy for Future Earth

**How to define and implement a
Funding Strategy for Future Earth ?**

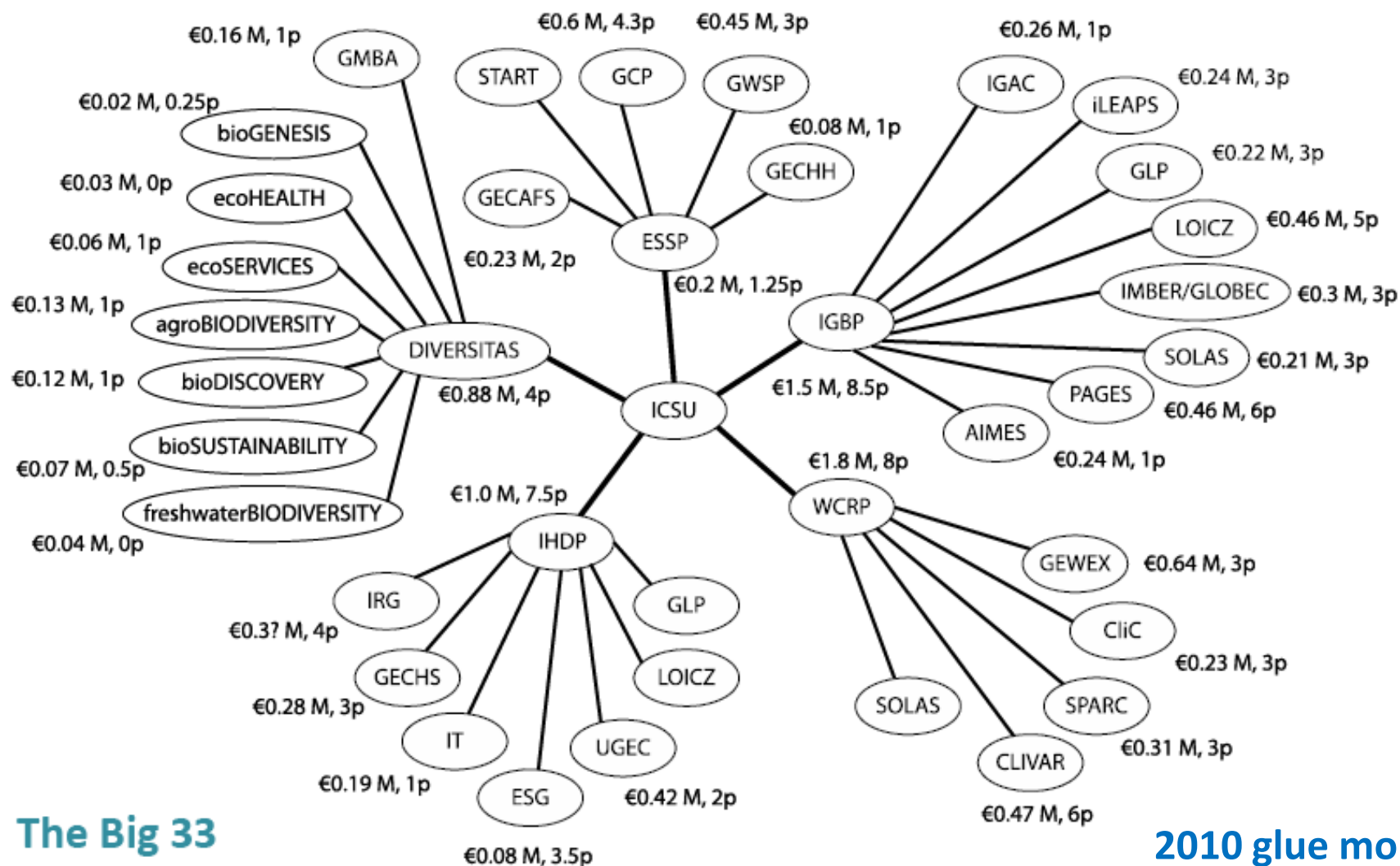
The funding fragmentation issue

Typical incentive tools:



** Typical Money Unit*

About GEC glue money...



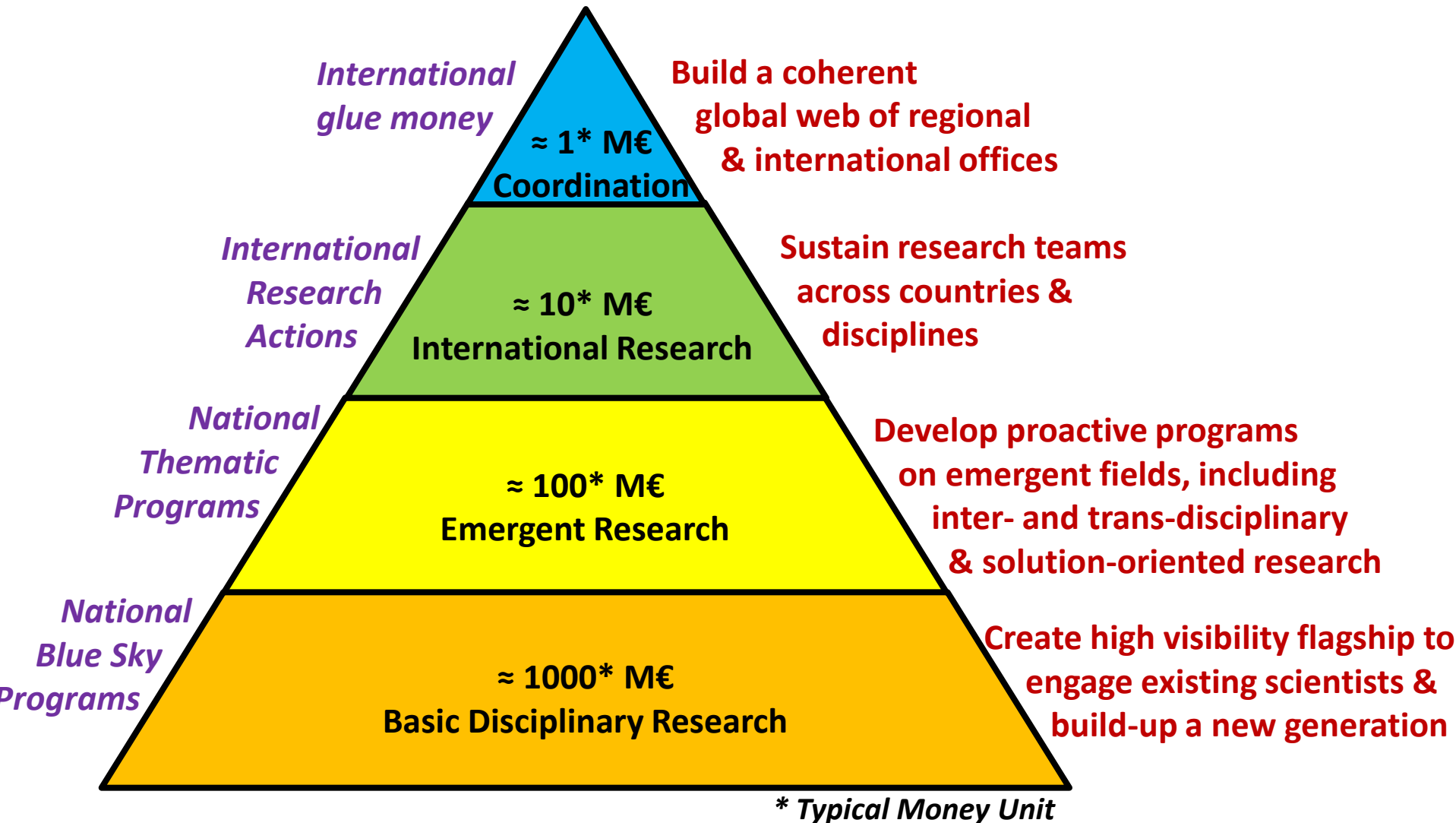
**The Big 33
& financials**

**2010 glue money
compiled by K. Noone et al.**

The FE strategy should address the whole funding pyramid

Typical incentive tools:

Some key issues for Future Earth:



Key Funding Challenges for FE

- **Unprecedented scale** : Attract and involve various disciplines and new actors in highly complex issues at science-society interface
- **Fragmentation**: No one agency is controlling in their own country the multiplicity of opportunities for environmental research, neither for development research
- **Transition**: Experienced GEC projects and programs have developed effective funding networks but not in a coordinated way

It calls for:

- Clear marketable **brand** of Future Earth, promoting global sustainability research and providing information for adaptation and mitigation
- New **incentive tools** from basic research to international coordination, to network and attract a growing community of researchers and users
- Better **funders coordination or co-alignment** through innovative partnership, at national, regional and international levels
- Smooth **transition** of GEC budget towards extended funding with new stakeholders
- A group of **key funders** to facilitate and network the wide range of funding sources/institutions...

Proposed FE Funding strategy

- After feedbacks from GEC projects and Regional Consultation Meetings, it is proposed to convene **National Funders Meetings** and **Regional Funders Meetings**
- **Animation by IGFA and Belmont Forum Members** in their own country or region, by targeting relevant ministries, others research agencies and organizations, foundations, development funders, key regional actors...
- **Co-organization with GEC** Secretariats, Project IPOs and National Committees are required to be efficient, in particular to map current funding landscape and institutions
- **Deployment in first part of 2013** to allow significant impulse in FY 2014
- Around **20 National Funders Meetings could be envisioned**, complemented by Regional Funders Meetings with involvement of APN, IAI, START

>>> **Co-design Funding Strategy and Guidelines in coming weeks**

>>>> **Co-organize National and Regional Funding Meetings in 2013**

*One example among others to support
Future Earth activities: the IOF*

The International Opportunity Fund (IOF)

- To 'fast track' **Collaborative Research Actions (CRA)** where members' existing investments were 'ripe' for international collaboration
- The **principles** for CRAs
 - **Address the Belmont Challenge priorities** (i.e. societally relevant GEC challenges)
 - **Support Future Earth** (by promoting examples of innovative types of research)
 - **Lever IGFA/Belmont Forum member's existing investments** through international added value (3 countries minimum)
 - **Bring together new partnerships** of natural scientists, social scientists, and users
- IOF, a **flexible** tool
 - ***A la carte*** for a given CRA
 - CRA can apply to **various kind of incentives**: networking, clustering, integration, capacity building...
 - **Open to any funder** (BF, IGFA or not)
 - **All common** (scoping, call & selection) **but the money**
 - Possibilities of **joint call with other international initiatives** (G8, EC, ...)

IOF 2012 : early contributions to Future Earth

- **CRA**s on **Freshwater Security** (NSF lead) and **Coastal Vulnerability** (NERC lead), joint with G8HORCs, synchronized with FP7 and NSERC, 20+ M€
- **130 pre-proposals**, involving more than **1000 partners** from ~ **50 countries**, under selection for full proposals for 3-year projects



Timeline

April 2012 – Call opening

July 2012 – Deadline for pre-proposals

September 2012 – Notification to submit full proposals

December 2012 – Deadline for full proposals

April/May 2013 – Official funding decisions

For further details see:

www.belmontforum.org/iof

IOF/CRAAs for 2013 and beyond

- Selected **2013** themes, ***under scoping by GEC/Future Earth scientists + funders***
 - Food Security and Land Use Change (FAPESP lead, workshop dec.2012 in SP),
with CCAFS and JPI FACCE
 - E-infrastructure (NSF lead, workshop dec.2012 in SF)
 - Arctic, NSERC lead, second workshop to be planned
 - **call to be opened spring 2013**, for 2014-2018 funds
- Others potential themes for **2014 and beyond** ... ***need Future Earth inputs & SSC endorsement***
 - Biodiversity & Ecosystem Services (for IPBES) ?
 - Climate services, with WMO ? JPI Climate ?
 - Green Growth, Disaster Risks, with WB ?
 - Africa, with AID agencies ?
 - Many others ideas !
 - **Deadline for consideration by upcoming Delhi Belmont Forum: Jan. 11th, 2013**
belmont_secretariat@usgcrp.gov



CRA on Food Security and Land Use Change

The objective of this CRA therefore is to *increase our understanding of the **two-way interactions between food security and land use change, and its consequences on other ecosystem resources and services (e.g., energy, carbon sequestration and biodiversity)**, in order to provide the knowledge to cope with the mitigation and adaptation necessary to help face the food security challenge while minimising further degradation of environment and natural resources.*

Overarching questions

- ***Question 1: How are and would different patterns of change in demand for food and other crops affect land use and what are and would be the consequences for ecosystem services and biodiversity?***
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- ***Question 2: How are and would changes in land use, and the consequences on ecosystem services and biodiversity, affect availability of, and access to food?***
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PROPOSED RESEARCH TOPICS

Evolution of farming systems

To include both changes in arable and livestock productivity, environmental impacts and constraints (hydrology, biodiversity and ecosystems services, soils, nutrients, GHGs, climate change, etc.), and socio-economic impacts and constraints (employment, livelihoods and incomes).

Land allocation for alternative purposes and impacts on food production

To include conservation, biofuels, oil and beverage crops, and other cash crops, as well as large-scale land acquisitions and global market dynamics on food and energy

- ***Land tenure and intensification versus extensification***
- *To include impacts of different land-tenure arrangements on environment (e.g. biodiversity, hydrology, biogeochemical cycling, regional climate) and socio-economic conditions (e.g. livelihoods, social capital, market infrastructure)*
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- ***Affordability of food***
- *To include interactions between land use change and consequent changes in production patterns, transport and distribution infrastructure, efficient and fair trade and food waste, and their impacts on local and regional food prices, livelihoods and incomes*

*Thanks for your attention,
involvement and ideas to co-
design
FE Funding Strategy !*

Extra slides on Belmont Forum CRAs

Call for ideas of new Collaborative Research Actions (CRA) to be launched in 2014

Deadline for submission: 11/01/13

To obtain template for submission, please contact
the Belmont Forum secretariat:

belmont_secretariat@usgcrp.gov

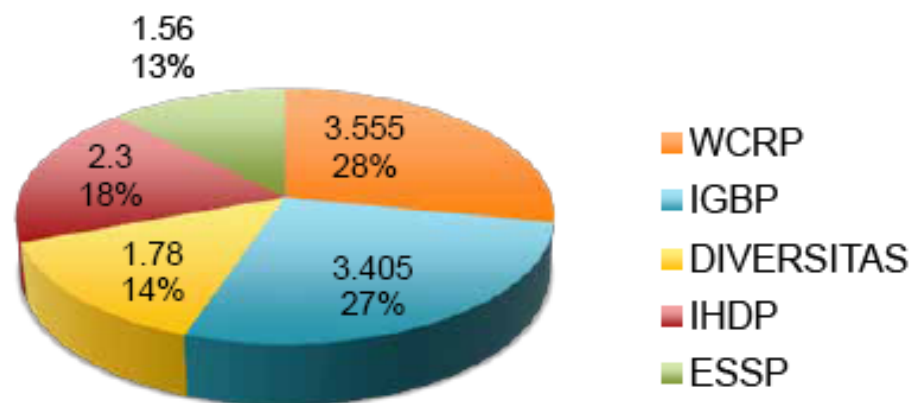
Template for submission of idea of new **Collaborative Research Actions:**

- CRA Title
- Lead and co-lead agencies
- Background information
- Main knowledge gap that the call should address
- Added value for the research community
- Added value for research funders
- Contribution to the Belmont challenges and Future Earth
- Appropriate incentive tools and call timeline
- Potential funding / co-alignment partners (Joint Programme Initiatives, Aid Agencies...)
- Work plan (including Scoping Workshop)

Extra slides on
Mapping the GEC Landscape
(from Kevin Noone)

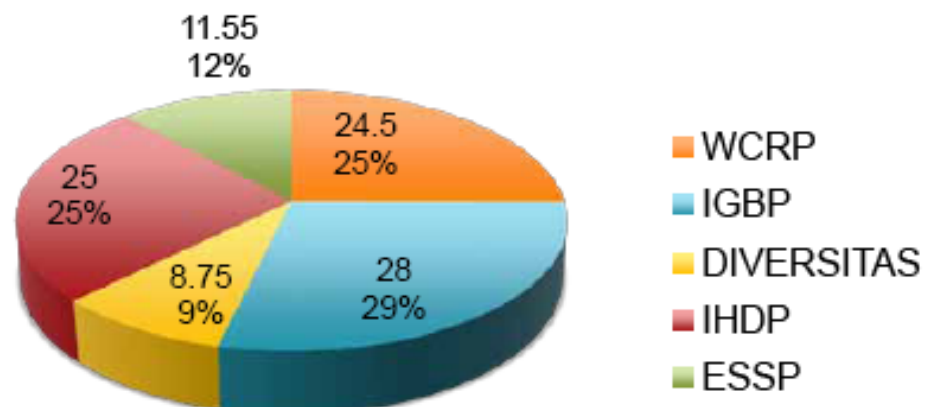
The Big 33 & financials

Annual Budget (M€)



€12.6M

Personnel



97.8 people

Extra slides on Transition Management Project Board

FE Transition Management Project Board

Workpackage	Lead	Working with ...
1. Initial design	TT co-chairs	ICSU secretariat support
2. Transition approach	ICSU ED	All Alliance members
3. Funding	IGFA/BF co-chairs P. Monfray in Board	Alliance members IGFA/BF members GEC Secretariats and IPOs Regional nodes (APN, IAI, START...)
4. Governance	ICSU/ISSC EDs	Support from ICSU and GEC Secretariats
5. Community building	ICSU/ISSC EDs	All Alliance members and support from the ICSU and GEC secretariats.

Objective	Action to be taken	Deadline	Responsibility
Map the attitude towards the new initiative and develop a vision for a funding strategy	<ul style="list-style-type: none"> Iteration with the 4 GEC Programs and engagement of the International Group of Funding Agencies of the 4 GEC Programs (IGFA) Iteration and engagement of GEC Projects to review the funding vision and to have a leading role to co-organize, with other relevant actors, National and Regional Funders Meeting for Future Earth in 2013 Mapping current funding landscape for GEC Secretariats and IPOs 	<p>By 04-05/10/05 (Stockholm)</p> <p>By 28-29/11/12 (Paris)</p> <p>Early December12</p>	<p>IGFA/BF co-chairs and IGFA vice-chair</p> <p>IGFA/BF co-chairs and TMPB</p> <p>IGFA and GEC Secretariats and IPOs</p>
Draft funding strategy and guidelines in a highly fragmented landscape	<ul style="list-style-type: none"> Develop a funding strategy including criteria for different funding sources: at national level from basic disciplinary research to emergent research, to international research and international coordination. Guidelines to set-up National and Regional Funders Meeting for Future Earth in 2013 Co-design draft with IGFA/Belmont Forum members, GEC Secretariat, GEC Projects and Regional Networks. Iteration of version with other key funders and actors 	<p>December 12</p> <p>January13</p>	IGFA/BF co-chairs and TMPB
Funding for Interim FE Secretariat	<ul style="list-style-type: none"> Rise funding for extra money, not affecting present level of support for 2013 GEC programs and projects Recruit Interim Director 	<p>December 12</p> <p>Early13</p>	SW and TMPB, with Alliance and GEC Secretariats
Support early research funding opportunities for Future Earth	<ul style="list-style-type: none"> Call for international Collaborative Research Action propositions, opened by IGFA/Belmont Forum Evaluation by Belmont Forum at Delhi meeting Evaluation by Future Earth SSC 	<p>By 11/01/13</p> <p>February13</p> <p>Spring13</p>	IGFA/BF co-chairs and TMPB
Organize real test of National Funders Meeting and update Funding Strategy & Guidelines	<ul style="list-style-type: none"> Test case in France or some key others countries (DE, UK, US, JP ?) 	Winter 13	IGFA/BF co-chairs and TMPB

WP 3: Funding Work Plan to improve...

Organize National Funders Meetings	<ul style="list-style-type: none"> Cover around 20 countries with support of IGFA/Belmont Forum extended members 	Early 13	IGFA/BF co-chairs and TMPB
Organize Regional Funders Meetings	<ul style="list-style-type: none"> Cover around 5 regions with support of IAI, APN, START, EC and Co 	Summer/Fall 13	IGFA/BF co-chairs and TMPB
Defining funding needs, fundraising strategy and financial management mechanism for the full operating phase	<ul style="list-style-type: none"> tbd 	tbd	tbd
Others tbd	<ul style="list-style-type: none"> tbd 	tbd	tbd