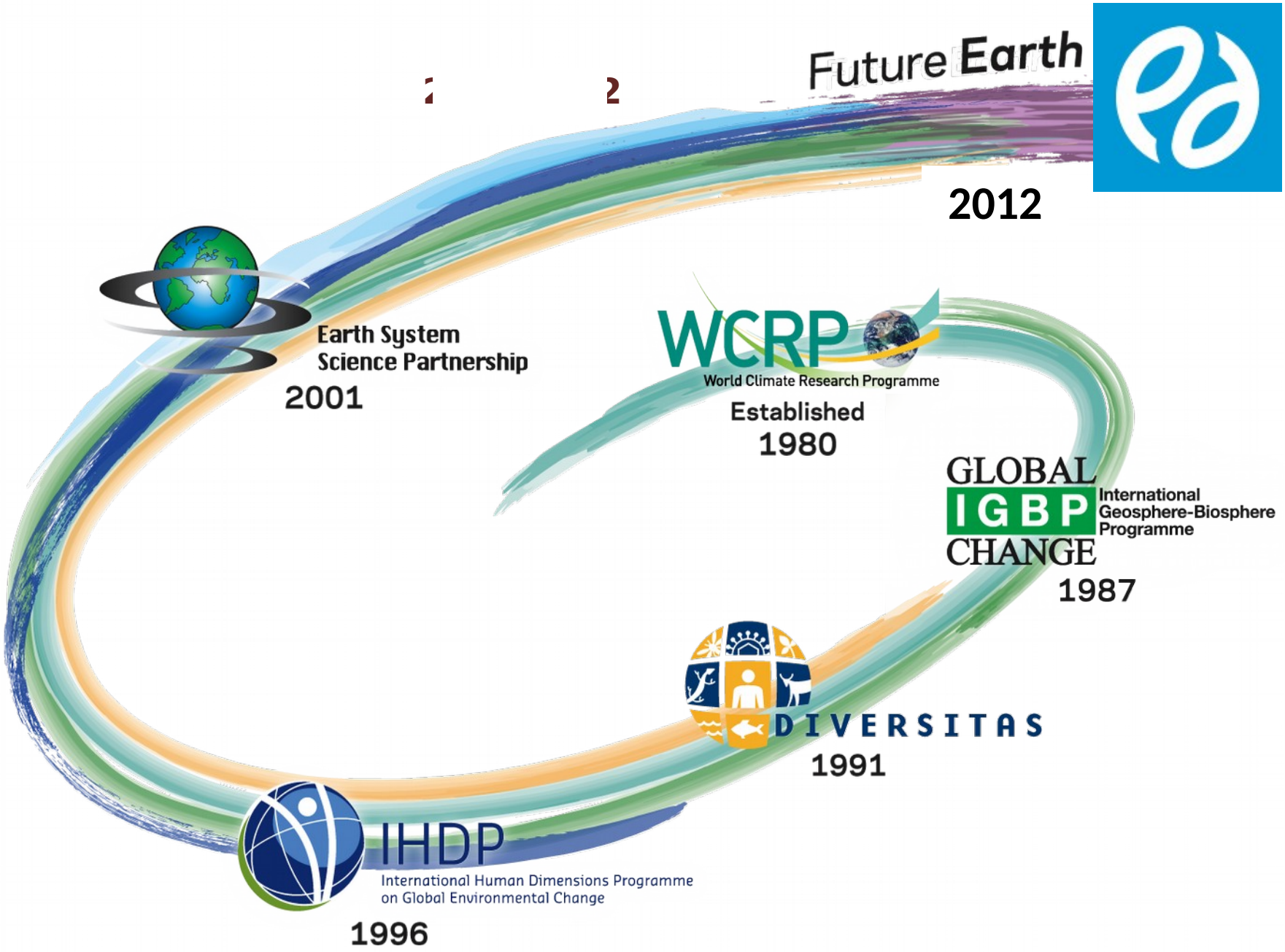
photos: www.dawide.com

What is futureearth ?

research for global sustainability

A **global platform** for international research collaboration on global environmental change and sustainability challenges

- Providing **integrated research** on major global change challenges and transformations to sustainability
- Strengthening partnership between researchers and stakeholders through **co-design** of research and **co-production** of knowledge
- **Solutions-oriented**, aiming to generate knowledge that contributes to new more sustainable ways of living on earth

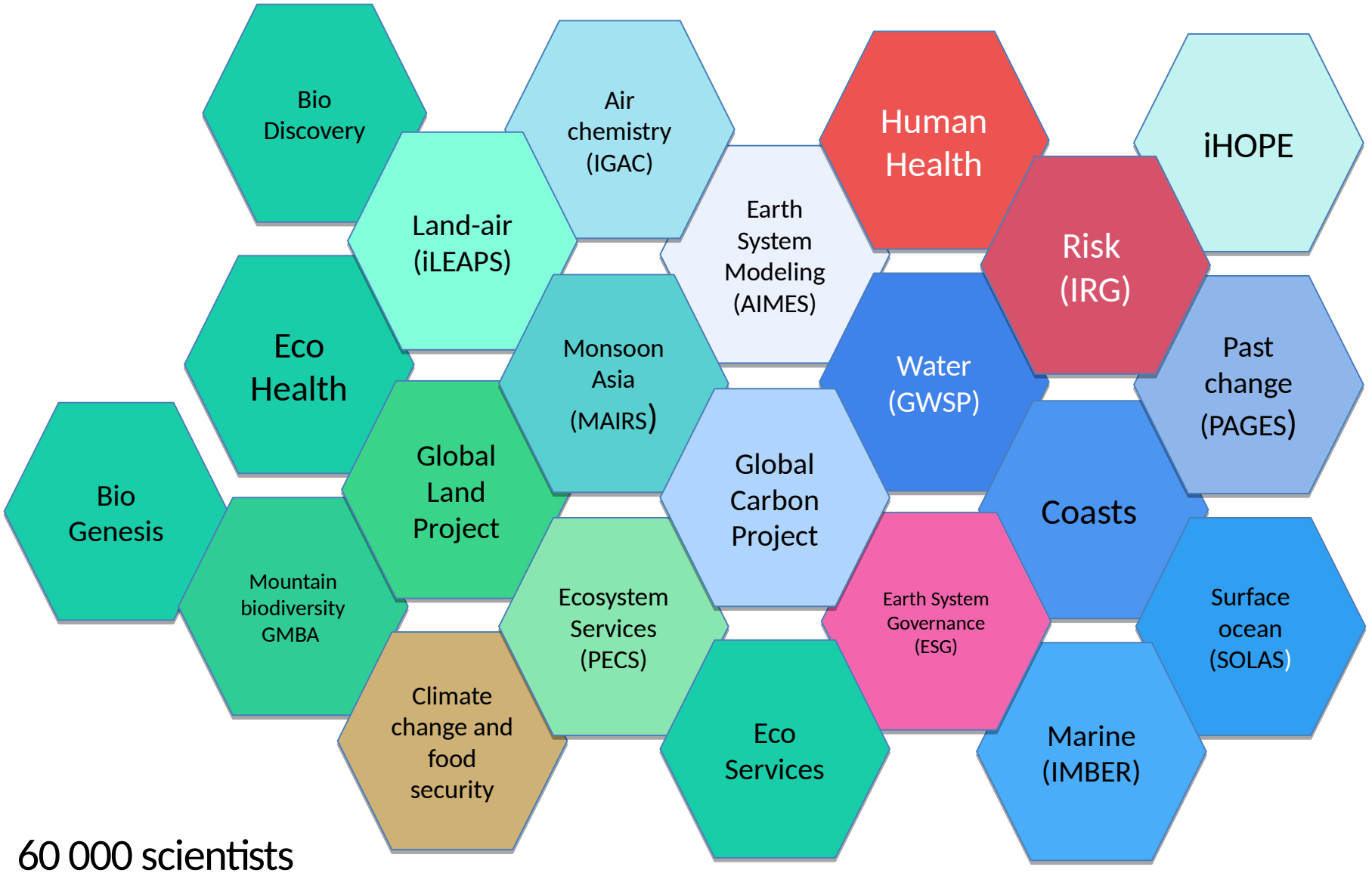

Future Earth
2012
Earth System
Science Partnership
2001
WCRP
World Climate Research Programme
Established
1980
GLOBAL
IGBP
International
Geosphere-Biosphere
Programme
CHANGE
1987
DIVERSITAS
1991
IHDP
International Human Dimensions Programme
on Global Environmental Change
1996

Core Projects

PARTNER WCRP

PARTNER CCAFS

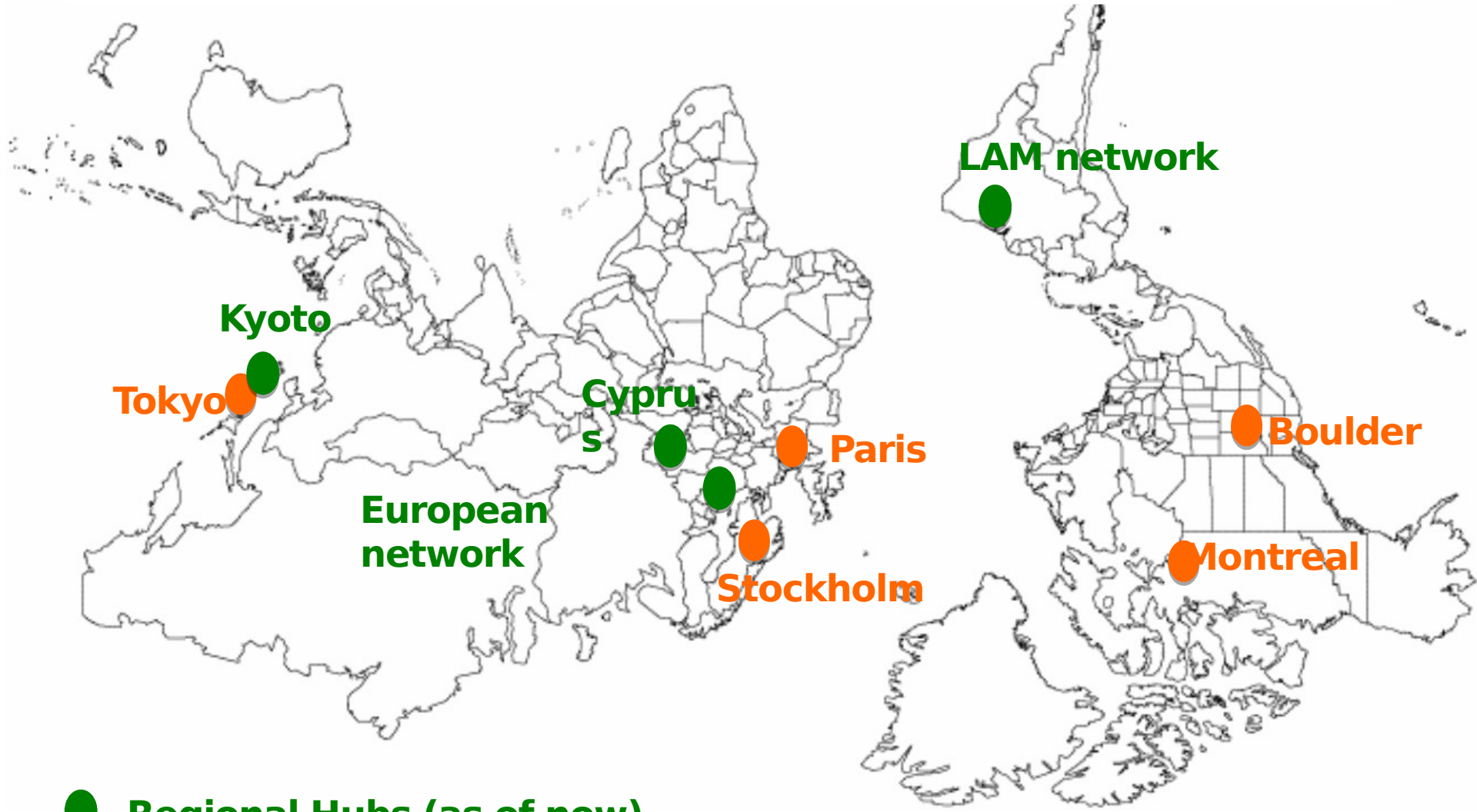
PARTNER PERN



60 000 scientists

A Distributed Secretariat

Coordination, Synthesis, Communication,
Capacity Building, Research Enabling



Regional Hubs (as of now)

Global Hubs

Science and Engagement Committees

BELMONT FORUM

ICSU
International Council for Science

S & T Alliance for Global Sustainability

ISSC
international social science council

UNESCO
United Nations Educational, Scientific and Cultural Organization

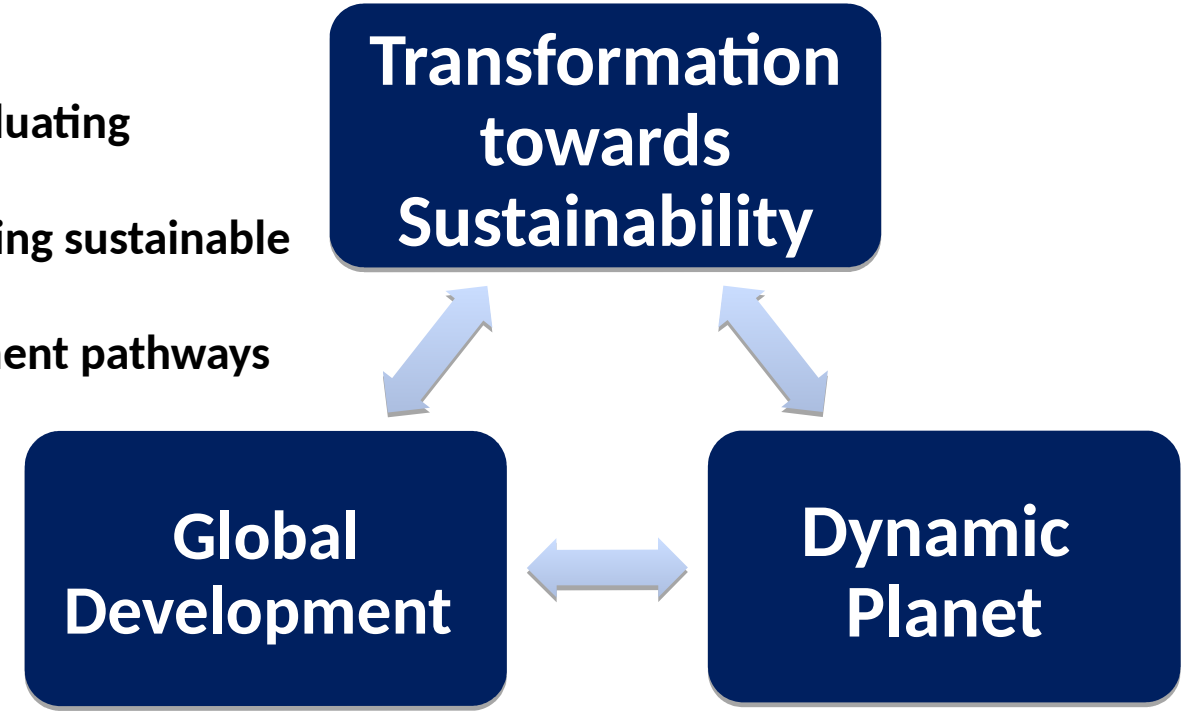
UNITED NATIONS UNIVERSITY

UNEP

WMO

Future Earth Research Themes

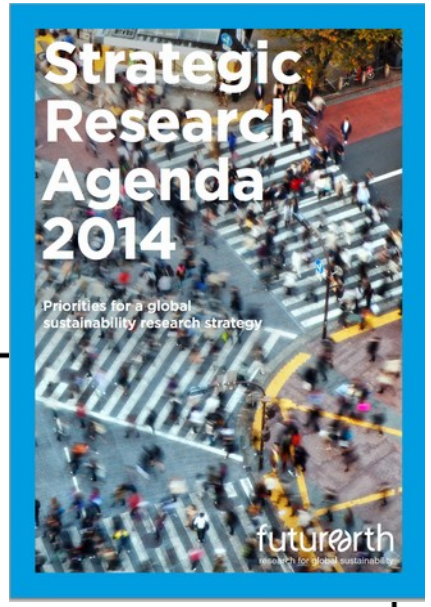
1. Understanding and evaluating transformations
2. Identifying and promoting sustainable behaviours
3. Transforming development pathways



1. Meeting basic needs and overcoming inequalities
2. Governing sustainable development
3. Managing growth, synergies and trade-offs

1. Observing and attributing change
2. Understanding processes, risks and thresholds
3. Projecting and predicting futures

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



8 Priorities

Health

Resilient cities

Consumption & production

Social resilience

Safeguard natural capital

Rural futures

Food, water, energy

Decarbonisation & climate stabilization

Fast Track Initiatives

1. **Exploring nitrogen** in Future Earth: establishing a cross-disciplinary, multi-stakeholder network.
2. Scientific **support for IPBES** knowledge generation: building a community of practice to support IPBES.
3. **Liveable urban futures**: defining critical pathways for co-produced interdisciplinary and transdisciplinary urban research.
4. Bright spots: **seeds of a good Anthropocene**: a suite of alternative, plausible visions of 'Good Anthropocenes'
5. **Global biodiversity monitoring, prediction and reporting**: linking observational, remote sensing and modelling communities biodiversity/environmental data.
6. **Extreme events** and environments from climate to society: bringing together GEC communities & stakeholders on climate extremes.
7. Linking **earth system and socio-economic models** to predict and manage changes in land use and biodiversity
8. Sustainability for **water, food and energy** through integrated water information and improved governance: developing a research plan

Knowledge-Action Networks

Challenges \ Themes	Dynamic Planet	Sustainable Development	Transformations to Sustainability
1. Water, food, energy for all	Food and the nexus		
2. Decarbonise socioeconomic systems			
3. Safeguard natural assets	Natural assets		
4. Build healthy, resilient cities	Future cities		
5. Sustainable rural futures			
6. Improve human health under GEC	Future health		
7. Sustainable consumption and prod'n			
8. Social resilience to future threats			

SDGs

Ocean

What's new: criteria for our research

- Fundamental to use-inspired Earth system research for global sustainability
- Answer complex questions that require international collaboration
- Regional to global scale
- Integrate natural, economic, engineering, arts, humanities and social sciences
- Co-design and co-production of knowledge

Website: www.futureearth.org
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