



Scientific and Technical Advisory Panel

Report to 42nd Meeting of the GEF Council

Thomas E. Lovejoy

Chair, GEF-STAP

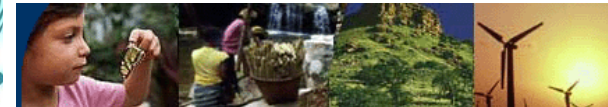
Biodiversity Chair

Heinz Center for Science, Economics, and the Environment

Scientific and Technical Advisory Panel



STAP- science advice for our planet



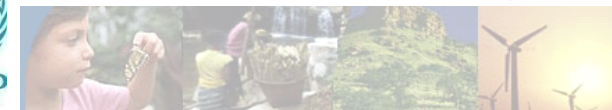


Outline of the Report

- Update on Operational Advice
- Recent & Ongoing STAP Initiatives
- Panel Search Process
- Beyond Rio+20

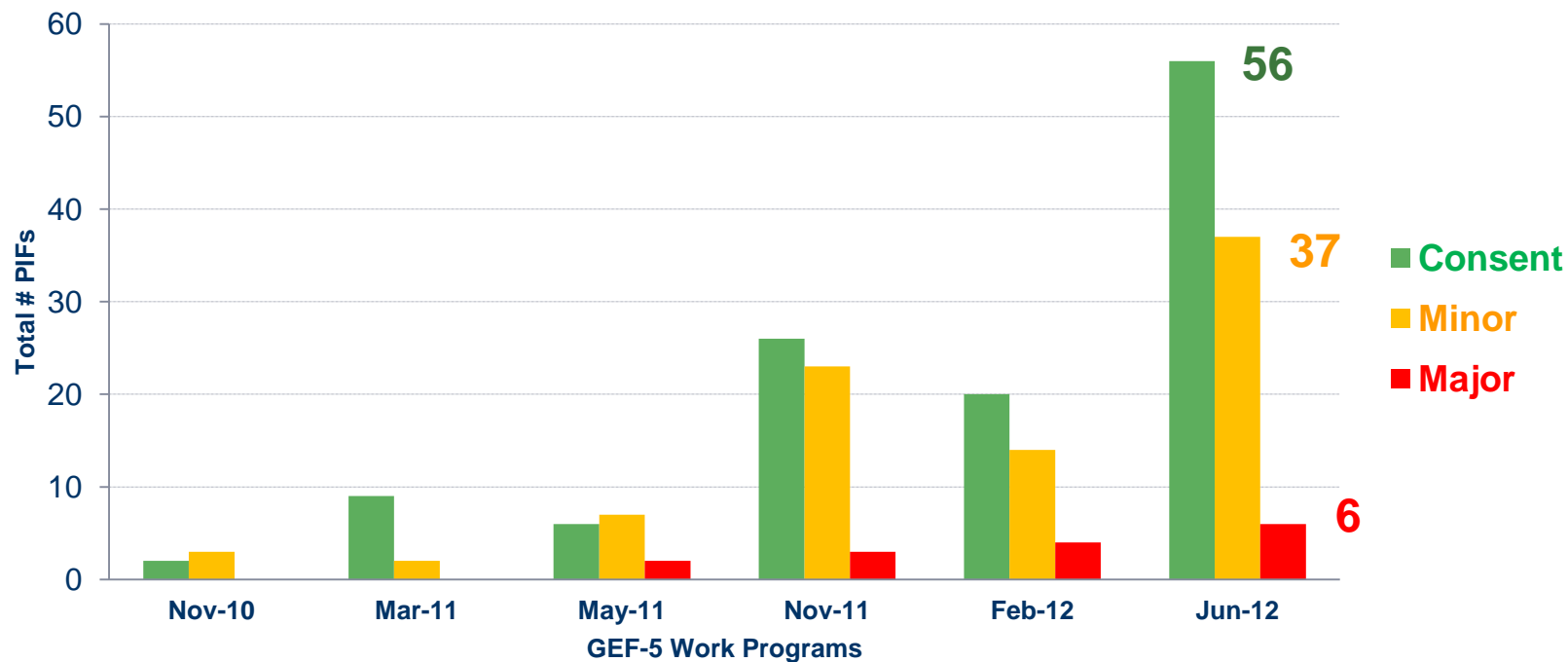


STAP- science advice for our planet



On-going Monitoring of Scientific Quality at Entry

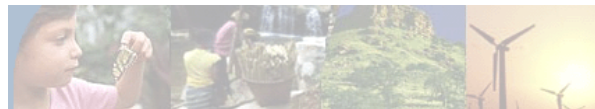
Trend in Recommended Revisions FY-11 and FY-12



November 2011 and June 2012 constitute the largest Work Programs in GEF history

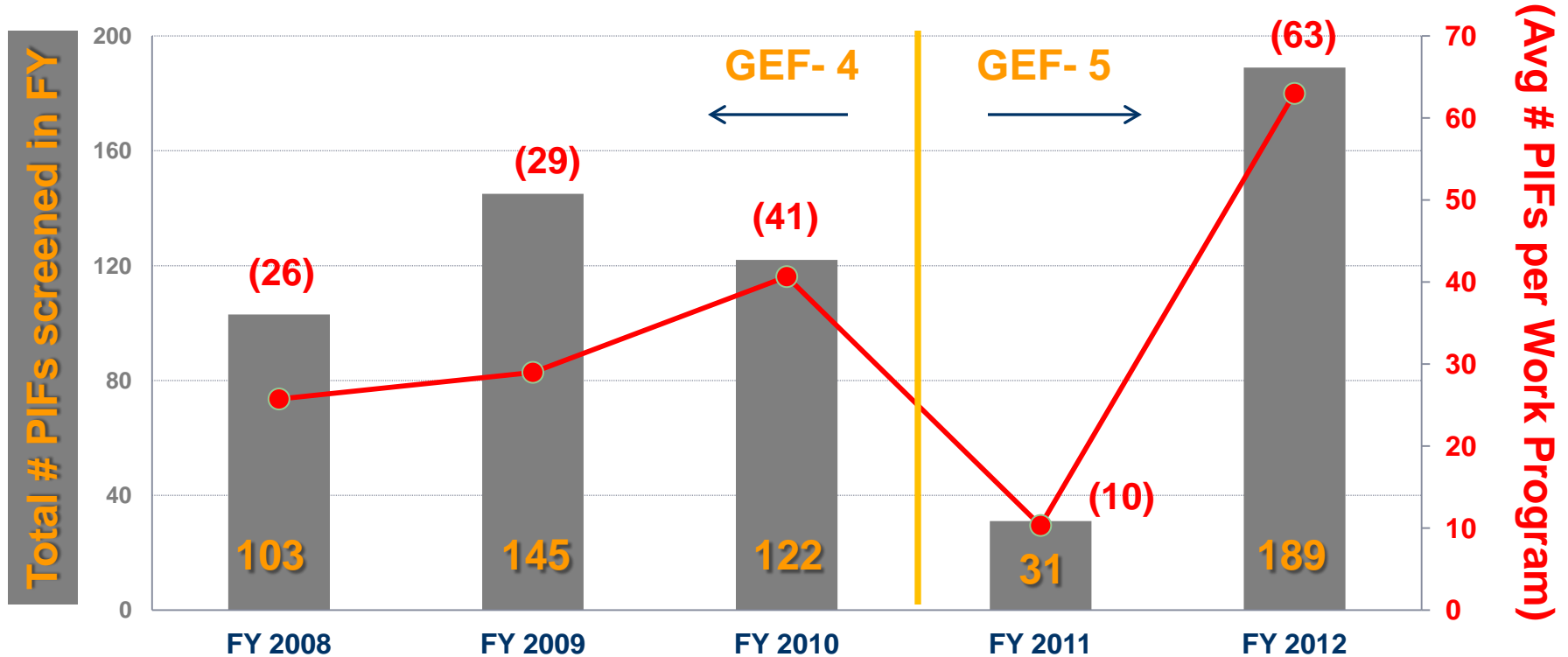


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On-going Monitoring of Scientific Quality at Entry

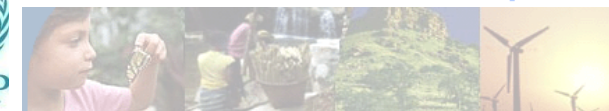
Average # of PIFs screened per Work Program
2007 - 2012



The number of PIFs per Work Program has been steadily increasing (exception of FY 2011) – **significant challenge for STAP**

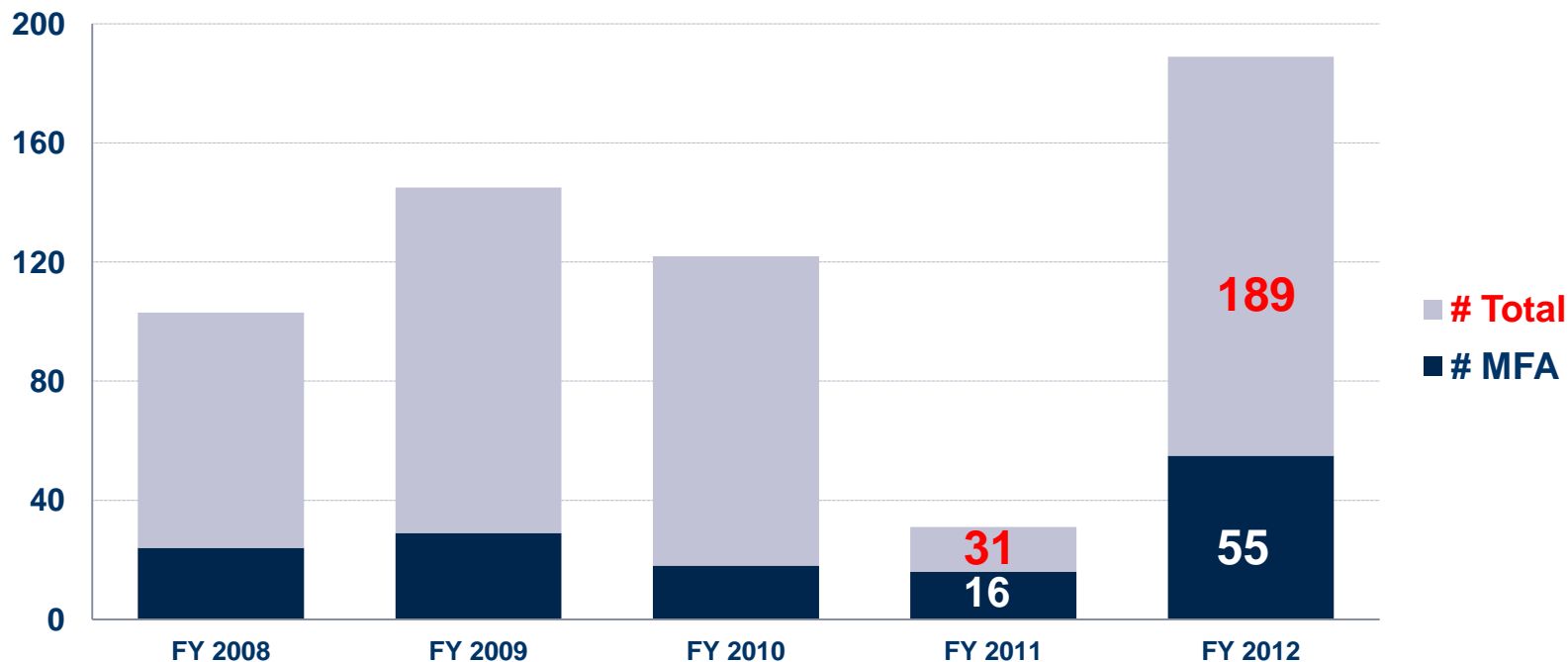


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On-going Monitoring of Scientific Quality at Entry

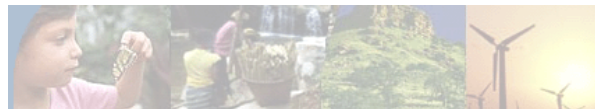
Total # of PIFs and MFA projects screened
2007 - 2012



Increasing complexity of the work load – challenge for STAP



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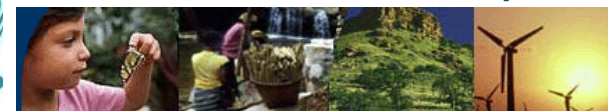
Recent & Ongoing STAP Initiatives

Advisory Products Panel Search

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STAP Advisory Products

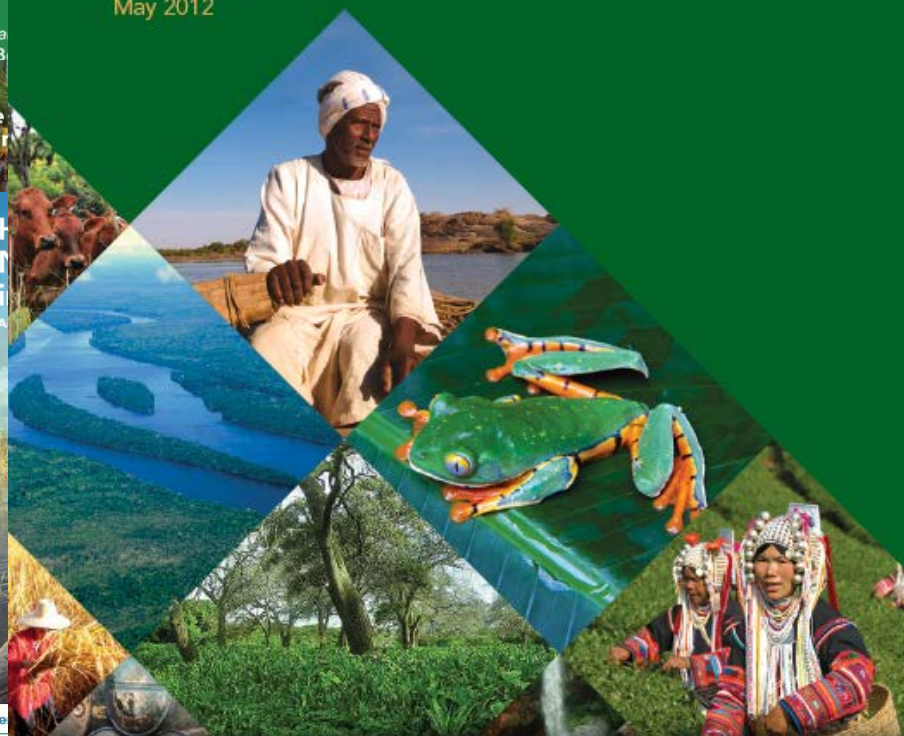
Experimental Project Designs in the Global Environment Facility

Designing projects to create evidence and catalyze
investments to secure global environmental benefits

A STAP advisory document

Paul J. Ferraro

May 2012



Scientific and Technical Advisory Panel

An Independent group of scientists which advises the Global Environment Facility



Benefits and Trade-Offs Between
Energy Conservation and Releases of
Unintentionally Produced Persistent
Organic Pollutants

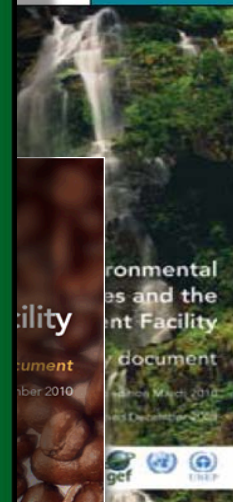
A STAP advisory document



Scientific and Technical Advisory Panel



Environmental
Facility



Calculating Greenhouse Gas B...

Marine
Envir...



Scientific and Techn...

The Scientific and Technical Advisory Panel, advised...

Scientific and Techn...

An independent group of scientists wh...

Scie...

The Scie...

... science advice for our planet



INVESTING IN OUR PLANET
UNEP



STAP products in progress

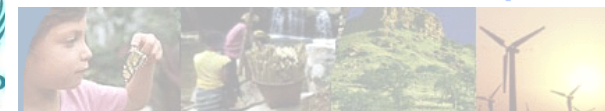
- **Marine Spatial Planning**
- **Marine Debris**

- **Climate Change: Scientific Assessment for the GEF**
- **Methodology for Calculating GHG Reductions of GEF Energy Efficiency Projects**

- **Emerging Chemicals Management Issues**



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Panel Search Process

- Climate Adaptation *Anand Patwardhan (India)*
- Land Degradation *Annette Cowie (Australia)*
- International Waters *Jakob Granit (Sweden)*
- Climate Mitigation *Candidates under review*
- Biodiversity *Brian Huntley (1 year)*



STAP- sc





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21
Solutions
To Save
The World

JOHN ARQUILLA • PHILIP B...
ESTHER DELLO • HOWARD C...
CHRISTOPHER HUTCHINS • C...
BJORN LOMBORG • SEBASTIA...
BILL MCKIBBEN • JOSEPH N...
C.K. PRAHALAD • JEFFREY...



DER SPIEGEL

Ozon-Loch, Pol-Schmelze, Tr...
DIE KLIMA-...



Economist Intelligence Unit

The sustainable future
Promoting growth thro...
A report from the Economist Intelligence...



SPECIAL REPORT GLOBAL WARMING

TIME

**BE WORRIED.
BE VERY WORRIED.**

Climate change isn't some vague future problem—it's already damaging the planet at an alarming pace. Here's how it affects you, your kids and their kids as well

EARTH AT THE TIPPING POINT
HOW IT THREATENS YOUR HEALTH
HOW CHINA & INDIA CAN HELP
SAVE THE WORLD—OR DESTROY IT
THE CLIMATE CRUSADERS



FACE

The Magazine of the British Chamber of Commerce South West China



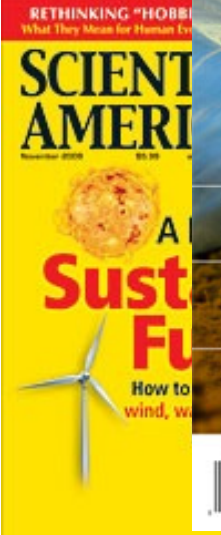
URBAN DEVELOPMENT

China's Cities Are Changing

Smart Laws
Economic Growth
Hopping
Urban Plan



WITH A SPECIAL SECTION ON
ENERGY AND SUSTAINABILITY



RETHINKING "HOBBIES"
What They Mean for Human Evolution

SCIENTIFIC AMERICAN

Sust Fu
How to
wind, w...



Live a Sustainable Life
what it means
and how to...

Turn Your **LAWN**
into a **GARDEN**

GARDEN TO TABLE:
Fresh, Clean-eating
RECIPES

NO TIME?
Hire a Vegetable Grower

Meet Urban Farmers
Across America

PLUS:
COMPOSTERS + CHICKEN COOPS + CONTAINER
GARDENING + TOOLS FOR YOUR URBAN FARM



Sustainable Living Magazine
SUSTAINABLE EDITION & BUILD FOR THE FUTURE

On top of the world
Sustainability is key at
Peppa Pig attraction

Also inside:
- Interview: LORV's path to Mission Zero
- World Green Building News
- Get the Carbon Campaign
- The Natural Focus



STA

Beyond Rio+20

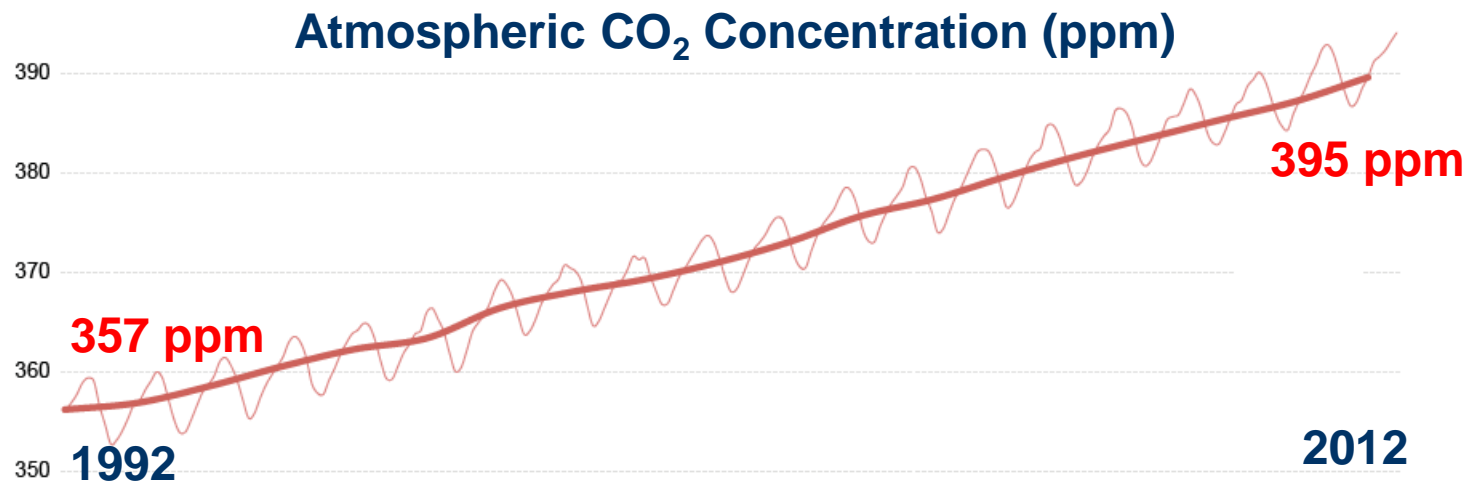
Sustainability = social +
environmental + economic

Rio 1992

- Sustainability viewed primarily from **environmental** lens

Rio +20

- Sustainability viewed as **human development** issues
- More complex needs
- More information available



Beyond Rio+20

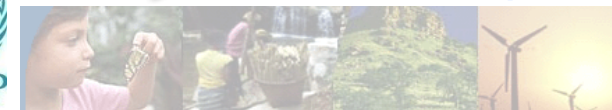
Addressing problems at scale

Urgent, transformational, and innovative solutions

- Multiple focal areas
- Multiple global benefits
- Transformational solutions



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Beyond Rio+20

Addressing problems at scale

Urgent, transformational, and innovative solutions

1. Urbanization
2. Zero carbon buildings and transport
3. Ecosystem restoration at a planetary scale
4. Global concentrated effort to reduce short lived climate forcers



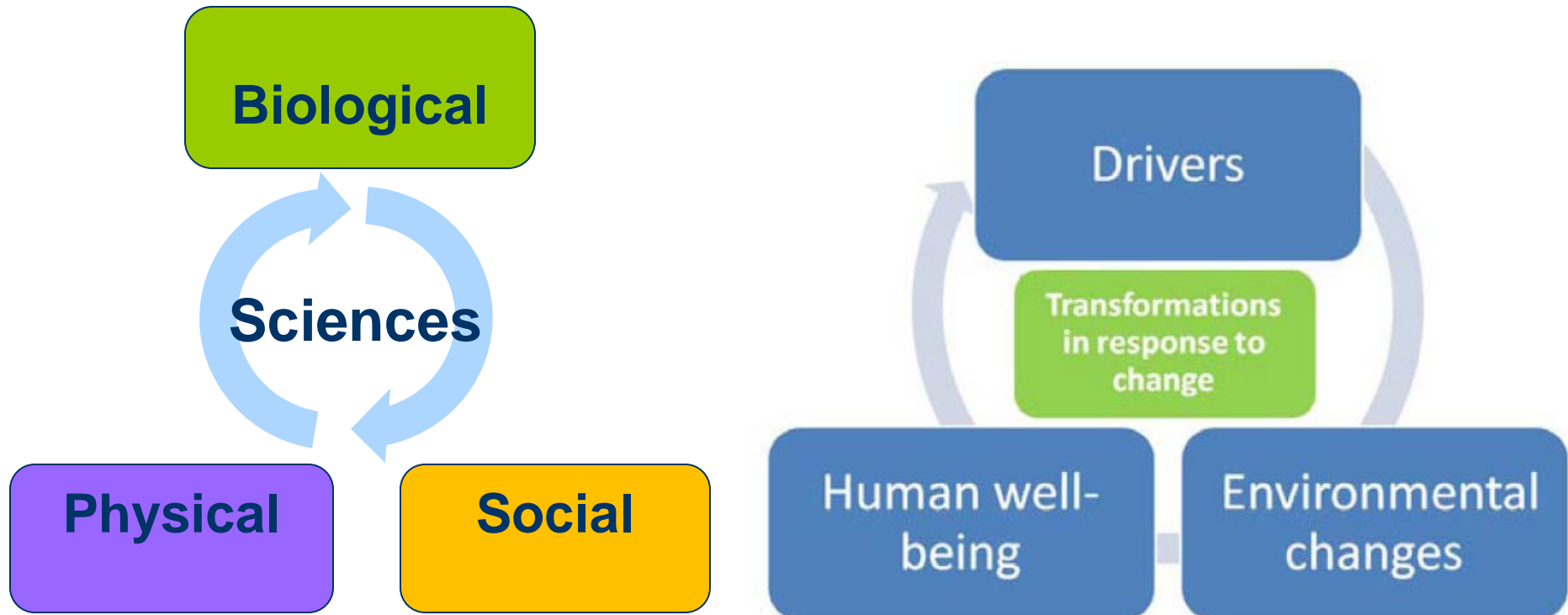


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Future Earth - *Research for global sustainability*



**PLANET
UNDER
PRESSURE**



NEW KNOWLEDGE TOWARDS SOLUTIONS
26-29 MARCH 2012, LONDON, UK



Questions and comments welcomed

Thomas E. Lovejoy
Chair

GEF Scientific and Technical Advisory Panel

www.unep.org/stap

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