



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

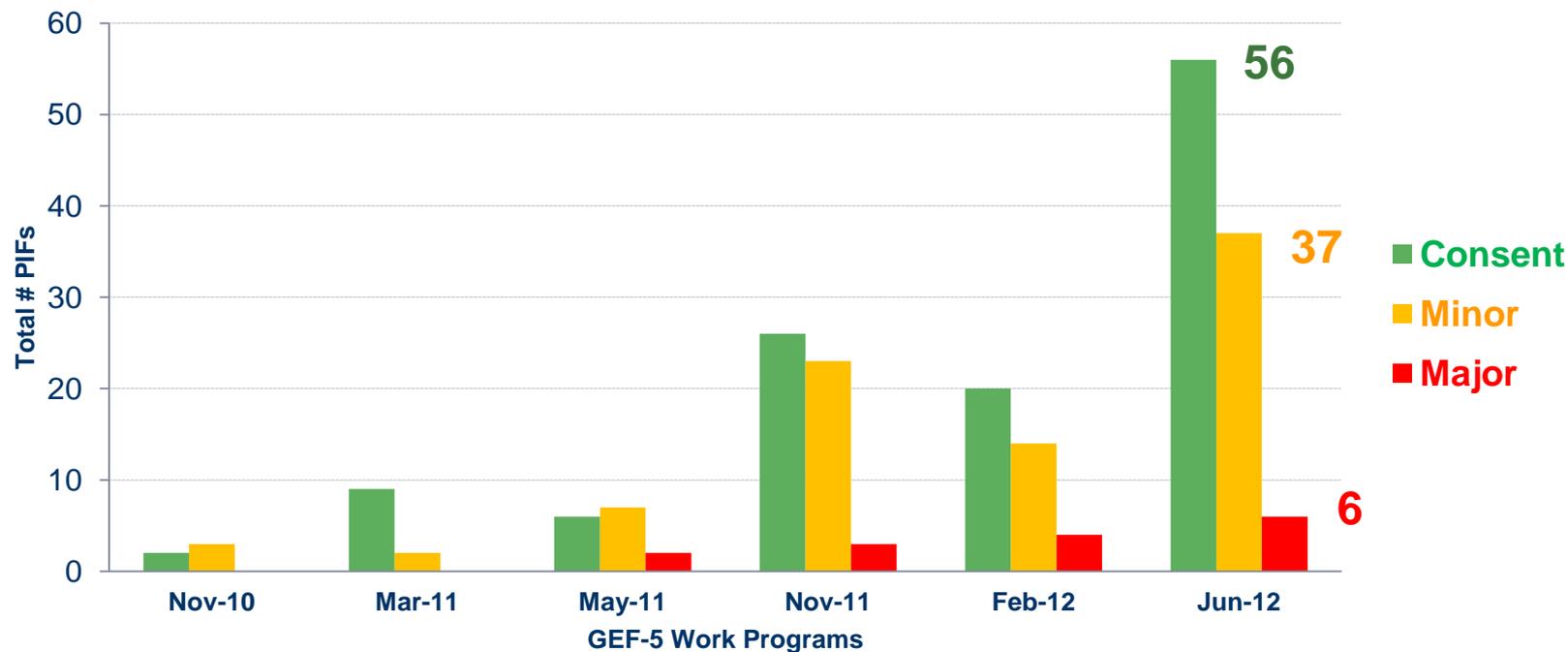


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On-going Monitoring of Scientific Quality at Entry

Trend in Recommended Revisions FY-11 and FY-12



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

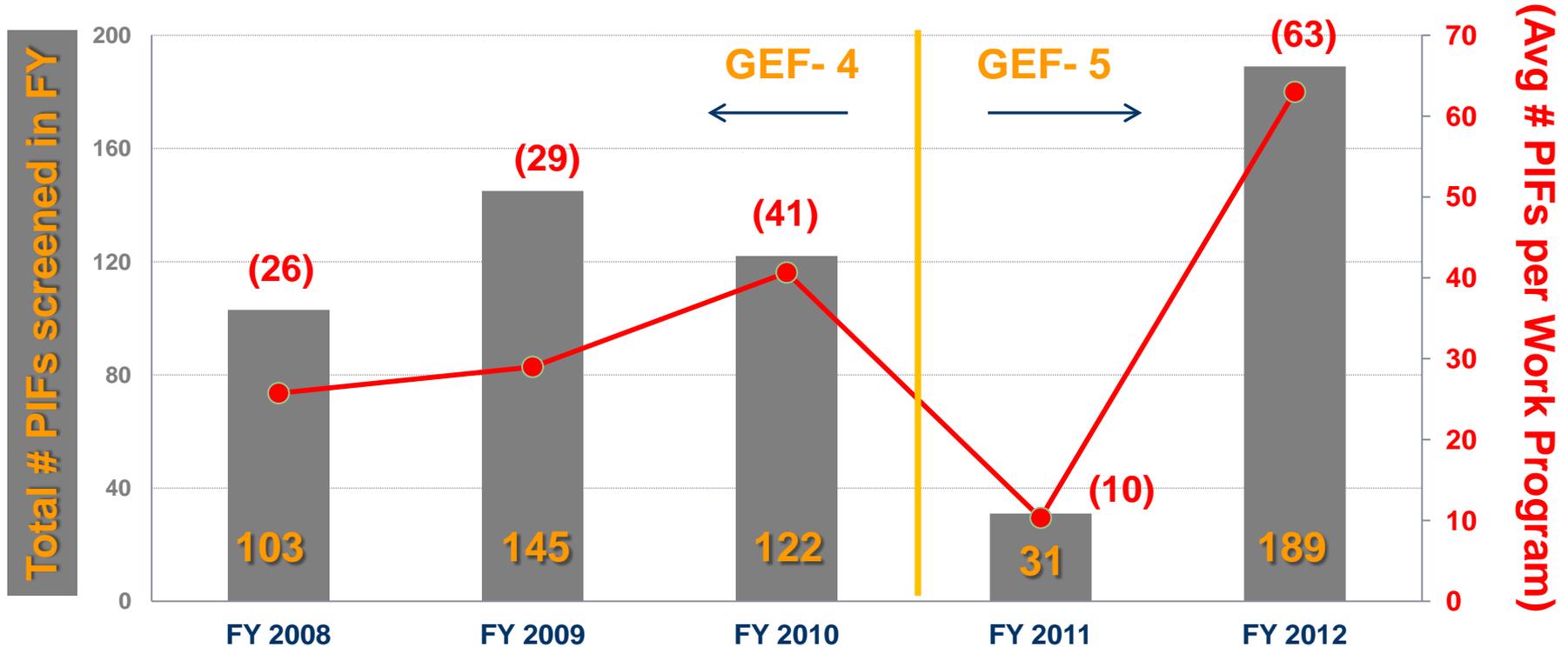


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On-going Monitoring of Scientific Quality at Entry

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**

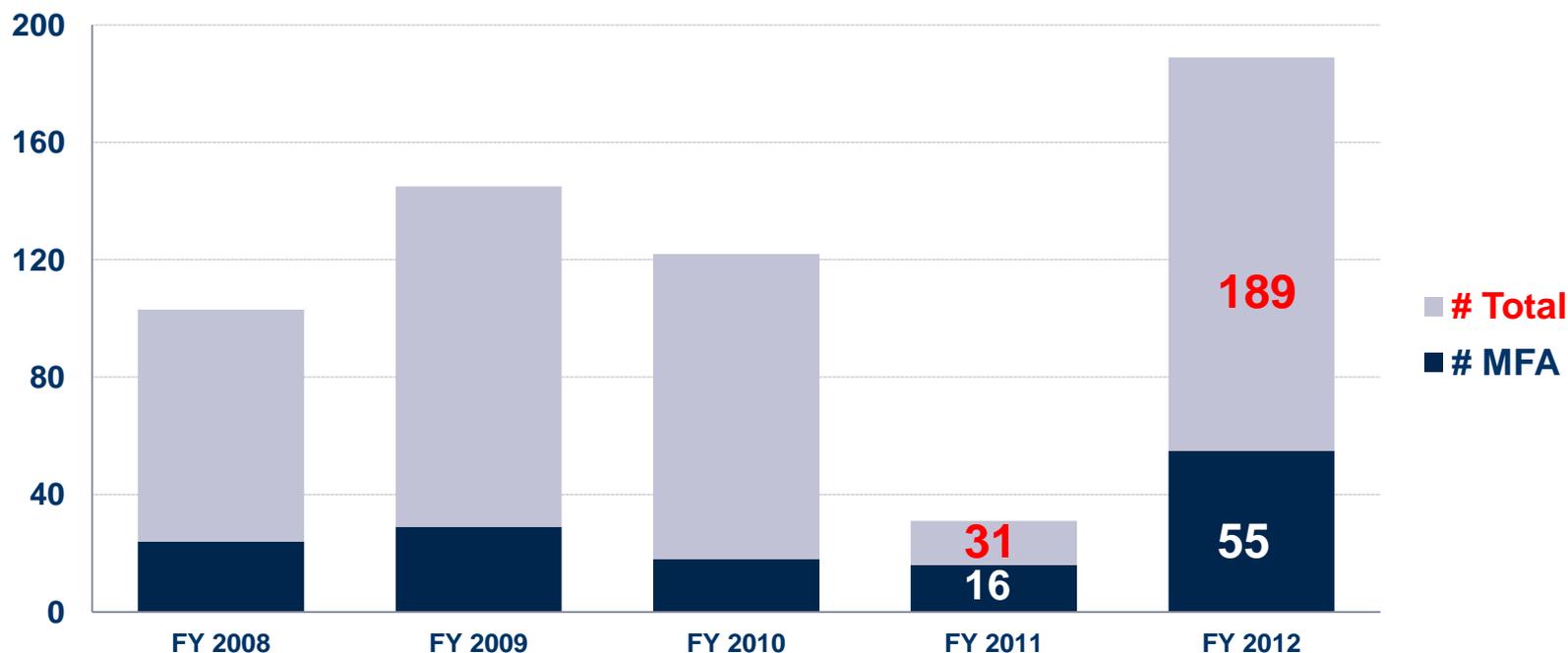


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On-going Monitoring of Scientific Quality at Entry

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

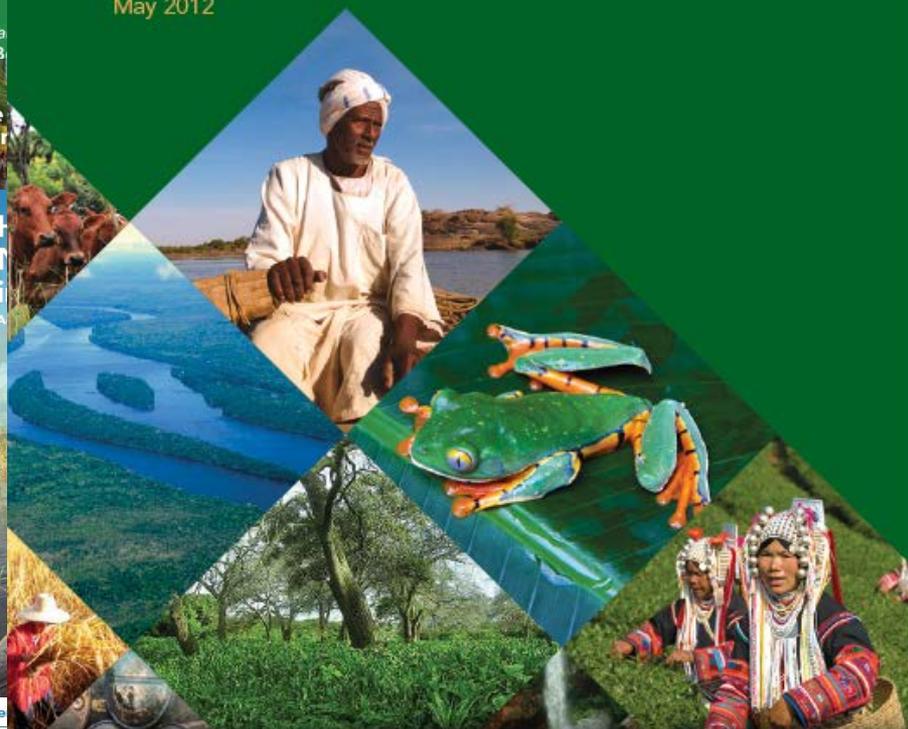
Experimental Project Designs in the Global Environment Facility

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



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Environmental
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document
March 2010
and December 2008



Calculating Greenhouse Gas B

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The Scientific and Technical Advisory Panel, advised

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INVESTING IN OUR PLANET





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)*



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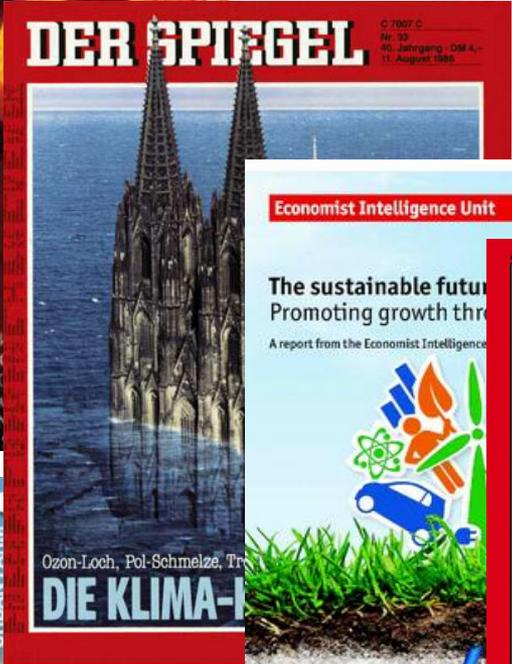
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21
Solutions
To Save
The World

JOHN ARQUILLA • PHILIP B. ESTER D'ELIO • HOWARD CHRISTOPHER HUTCHINS • C. BJORN LOMBORG • SEBASTIA BILL MCKIBBEN • JOSEPH C.K. PRAHALAD • JEFFREY



Live a Sustainable Life {what it means and how to do it}

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

Chronic Pain
What Goes Wrong

Economist Intelligence Unit

The sustainable future
Promoting growth through

A report from the Economist Intelligence Unit

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

Special Issue:

URBAN DEVELOPMENT
China's Cities Are Changing

Smart Laws
Economic Hopping
Urban Plan

NET

Winter 2010-11 Issue 11

WITH A SPECIAL SECTION ON ENERGY AND SUSTAINABILITY

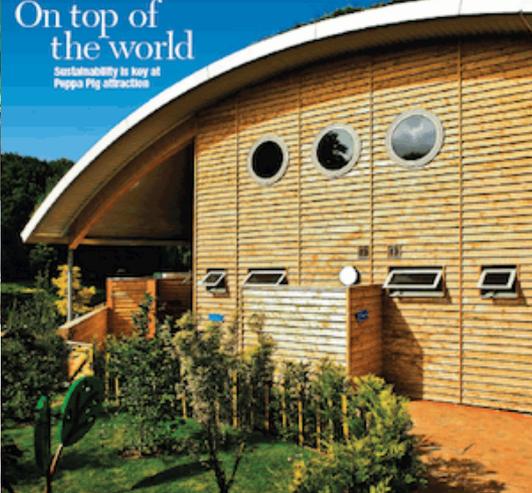
September/October 2011 £5
www.ancientmag.com

Living Magazine

On top of the world

Sustainability is key at Pappa Pig attraction

- Also inside:
 - Interiors: LOFT's path to Mission Zero
 - World Green Building News
 - Get the EcoVillage Campaign
 - The Natural Focus



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Beyond Rio+20

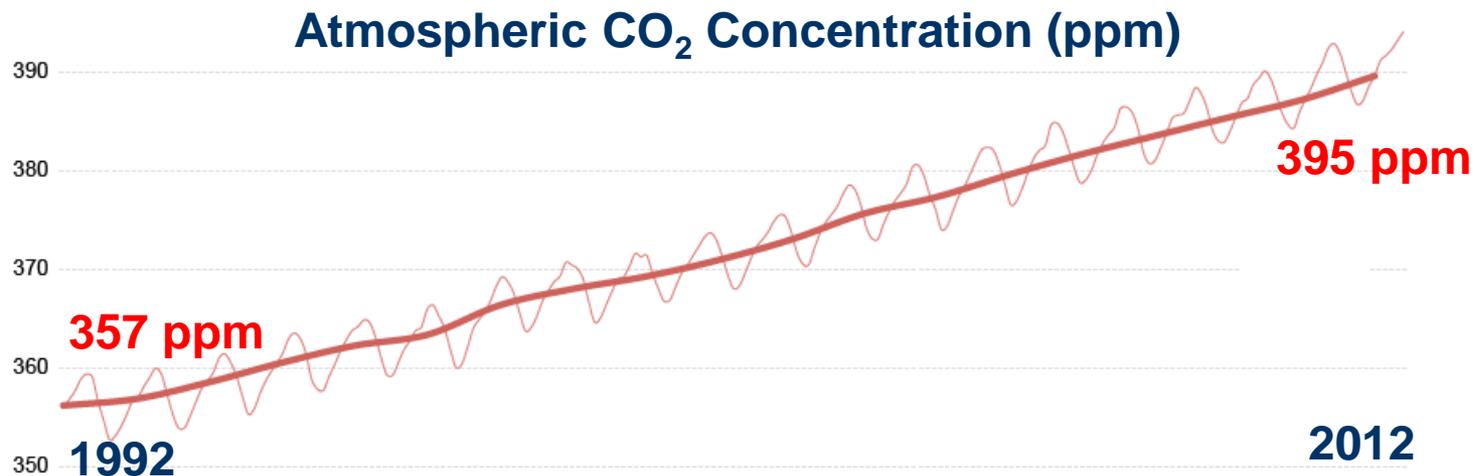
Sustainability = social +
environmental + economic

Rio 1992

- Sustainability viewed primarily from **environmental** lens

Rio +20

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

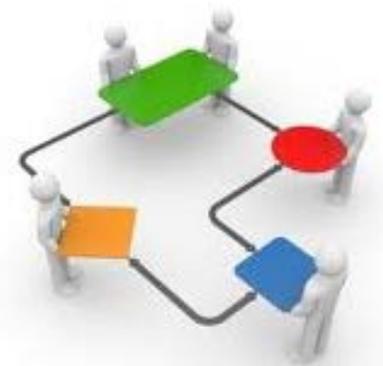


Beyond Rio+20

Addressing problems at scale

Urgent, transformational, and innovative solutions

- Multiple focal areas
- Multiple global benefits
- Transformational solutions



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

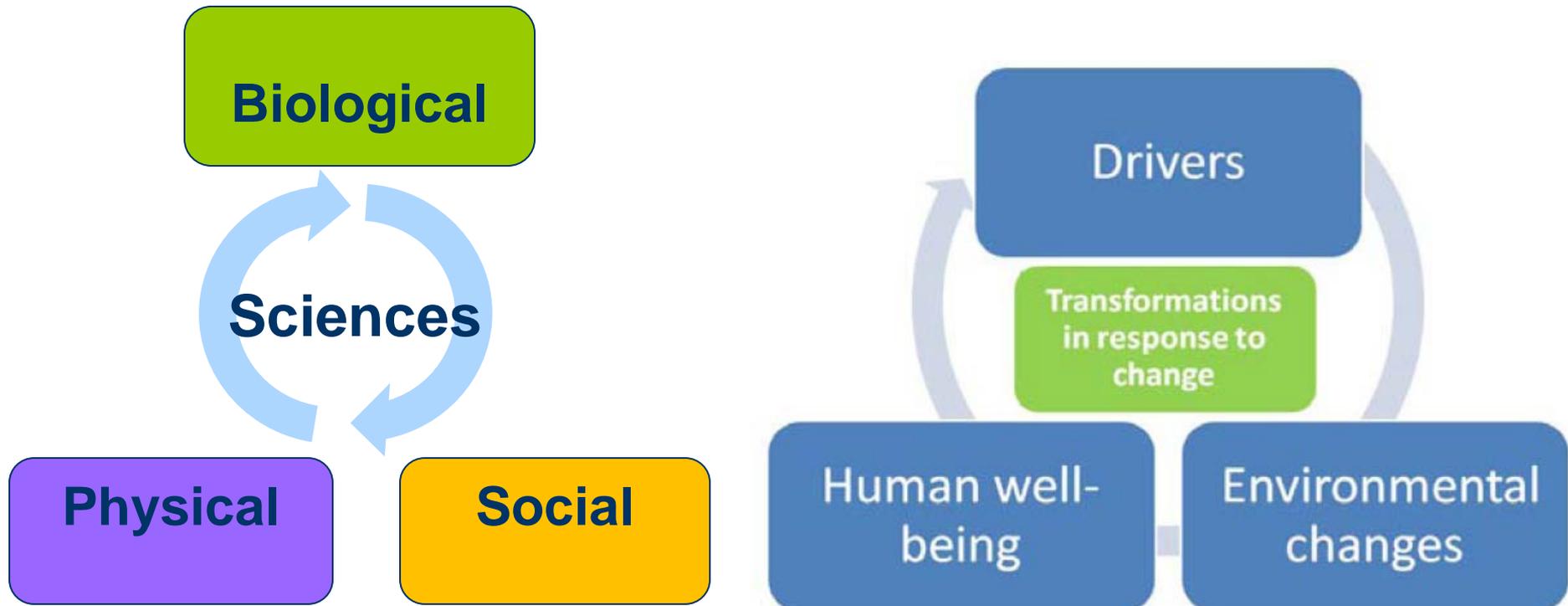




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Future Earth - *Research for global sustainability*



**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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