



Scientific and Technical Advisory Panel

Report to 44th 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

- STAP achievements, and future mandate of the Panel;
- GEF-6 conceptual framework;
- Recruitment of STAP Chair;





The work of STAP

Within the GEF Partnership

Scientific and Technical Advisory Panel



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STAP in GEF-5: Retrospective so far...



400+ projects screened for technical and scientific merits.



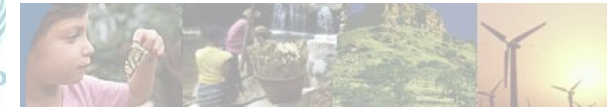
STAP published **17** major reports



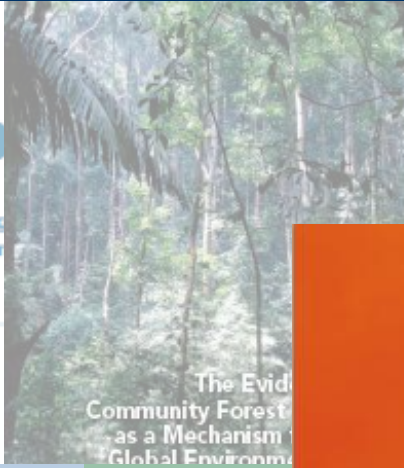
20 technical workshops and **8** Panel Meetings – including stakeholders from Conventions, governments, private sector, NGOs, foundations, academia.



Assisted in the formulation of **GEF-6 Focal Area Strategies.**



Scientific and Technical Advisory Panel
 Sustainable Forest Management
 STAP Guidance on Implementing
 the new Work Program



Secretariat of the
 Convention on
 Biological Diversity

GISD Technical Series No. 68

 MARINE SPATIAL PLANNING IN



GEF Guidance on Emerging Chemicals
 Management Issues in Developing
 Countries and Countries with
 Economies in Transition

Advancing
 Sustainable
 Low-Carbon Transport
 Through the GEF
 A STAP Advisory Document

Calculating
 of G

Climate Change: A Scientific Assessment for the GEF

A STAP
 INFORMATION DOCUMENT
 NOVEMBER 2012

Hypoxia and
 Nutrient Reduction
 in the Coastal Zone
 Advice for Prevention, Remediation and Research

Benefits and Trade-Offs Between
 Energy Conservation and Releases of
 Unintentionally Produced Persistent
 Organic Pollutants
 A STAP advisory document

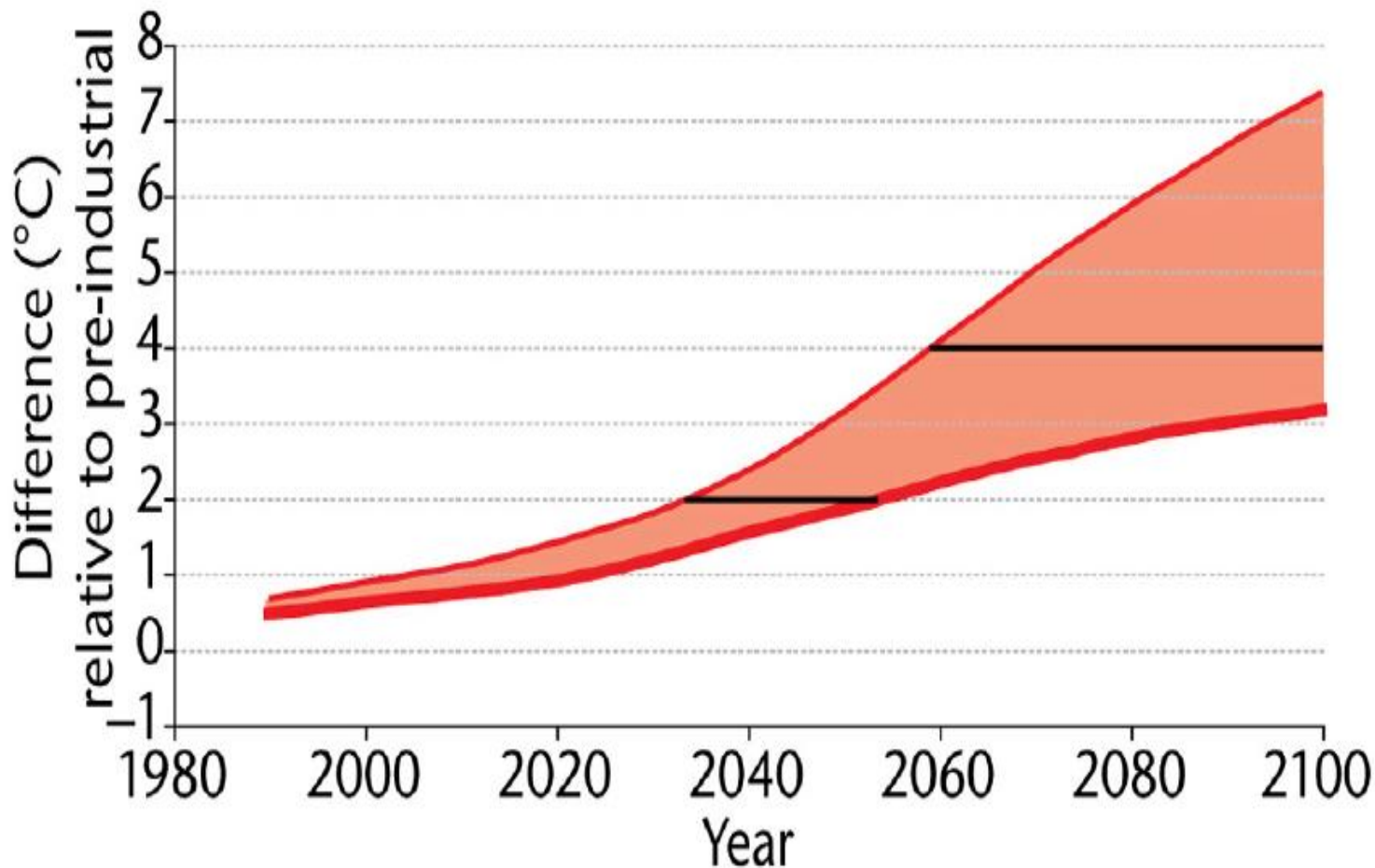
Environ
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Scientific and Technical Advisory Panel
 An independent group of scientists which advises the Global Environment Facility

Selection of
 Persistent Organic Pollutant Disposal Technology
 for the Global Environment Facility
 A STAP advisory document
 November 2011

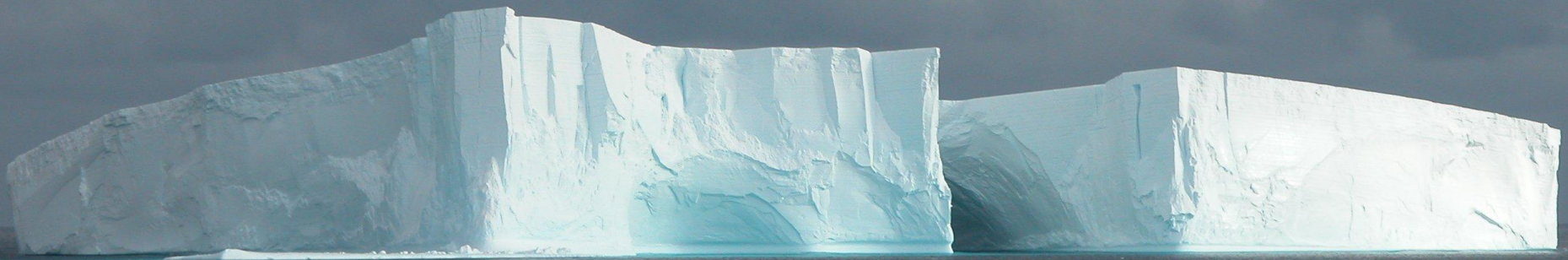
Projected temperature rise

for A1B & A1F1 scenarios (Hadley, 2009)



Ice-sheet collapse and sea-level rise

Last time Earth was 2°C warmer, sea-level was 4-6m higher



Upcoming STAP Workshops

- **Mainstreaming Biodiversity into Decision-Making:**
(September 2013)
 - Identify principles and guidance for projects,
 - Identify actions that are to produce additional benefits to Aichi targets,
 - Review indicators for M&E



The Panel – Current Members



Prof. Ralph Sims
Focal Area : CC



Dr. Sandra Dias
Focal Area : BD



Dr. Hindrik Bouwman
Focal Area : POPs



Prof. Anand Patwardhan
Focal Area : CC & Adapt



Dr. Anette Cowie
Focal Area : LD



Jakob Granit
Focal Area : IW



Prof. Brian Huntley (Acting)
Focal Area : BD



Prof. Michael Stocking
Focal Area : LD
Senior Advisor to the
Chair

Scientific and Technical Advisory Panel

The Panel – Past Members



Dr. Mary Seeley
Focal Area : LD



Dr. Yolanda Kakabadse
Former Chair



Dr. Meryl Williams
Focal Area : IW



Prof. Paul Ferraro
Focal Area : BD



Dr. Bo Wahlstrom
Focal Area : Chemicals



Prof. Nijavalli H. Ravindranath
Focal Area : CC



Dr. Sanginga Nterania
Focal Area : LD

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Program Directions

GEF 6

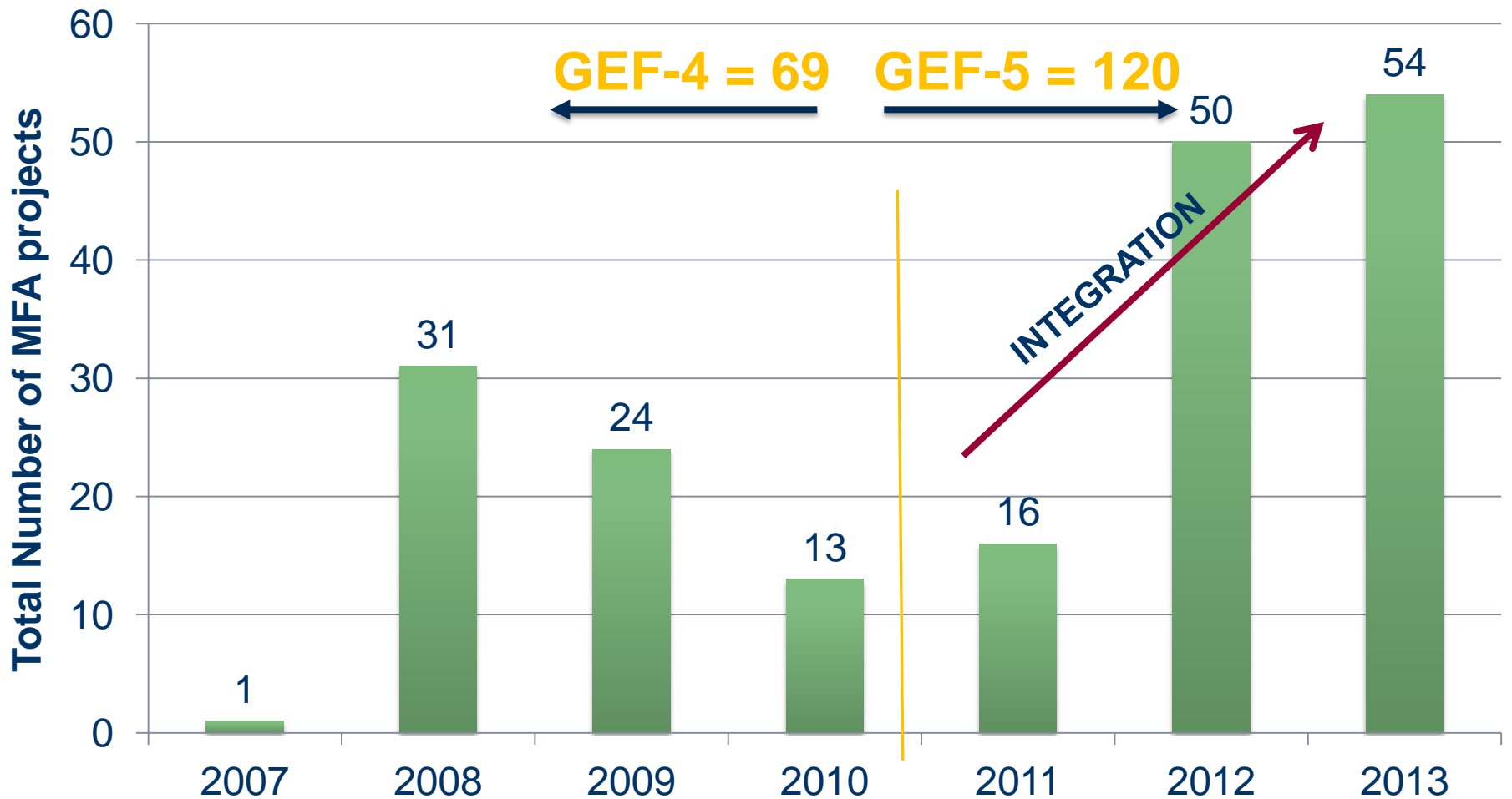
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Looking back: Multiple Focal Area Projects in the GEF



MFA = 10% of the total number of all projects



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GEF in the Future : Integration

1. Integration across space and domains.

- National / regional → global;
- Address issues across environmental and socioeconomic domains.



2. Integration in project and programme design.

- Focus on design and delivery elements of innovative programs and policies; pilot innovative project design;
- Projects and programs that overcome focal area silos and build synergies.



GEF in the Future: Integration

1. **Green Cities;**
2. **Smart Food Systems;**
3. **Forest ecosystem restoration and governance**
 - e.g. The Amazon Basin



STAP is committed to assist the GEF in developing comprehensive programs at regional/ global level and across focal area boundaries



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1. The GEF and Sustainable development

Generating global environmental benefits and
seeking development co-benefits

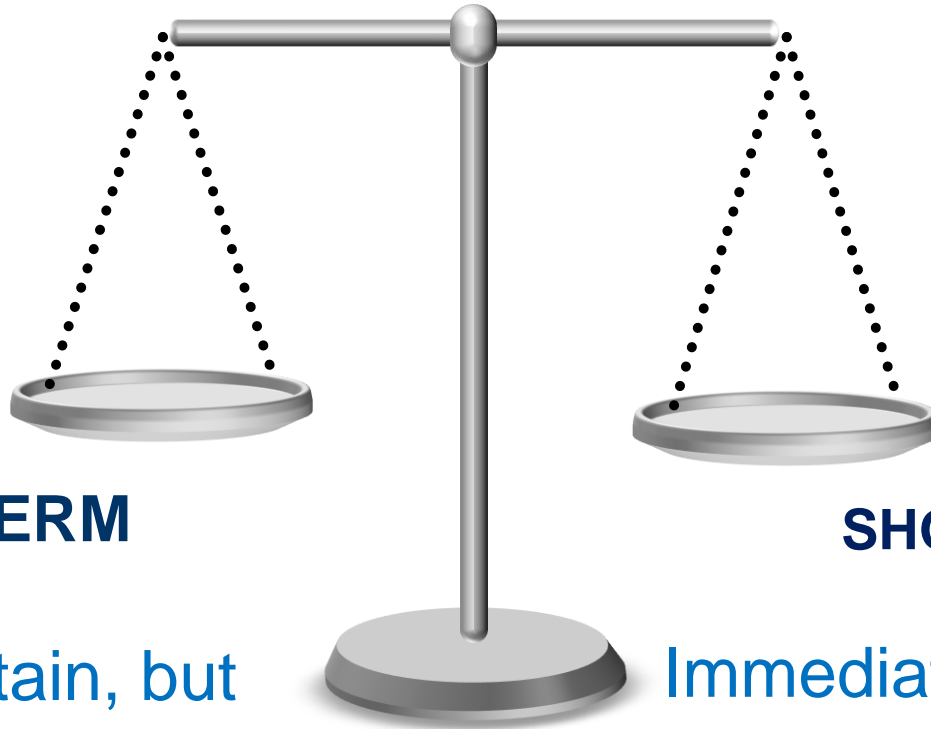
OR

Actively and explicitly target development challenges –
generate GEB's in the course of meeting those challenges



E.g. Demographic land use and sustainability challenge in
Sub-Saharan Africa

2. Short-term vs. long-term



LONG-TERM

SHORT-TERM

More uncertain, but
potentially greater
returns

Immediate, measurable
and certain return on
investment (GEB's/\$)



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3. Replication & scaling-up VS risk-taking and innovation

Should the GEF focus on...

Scaling-up known and established solutions



OR

Invest in the next generation of solutions.

e.g. Reduce atmospheric GHG loads



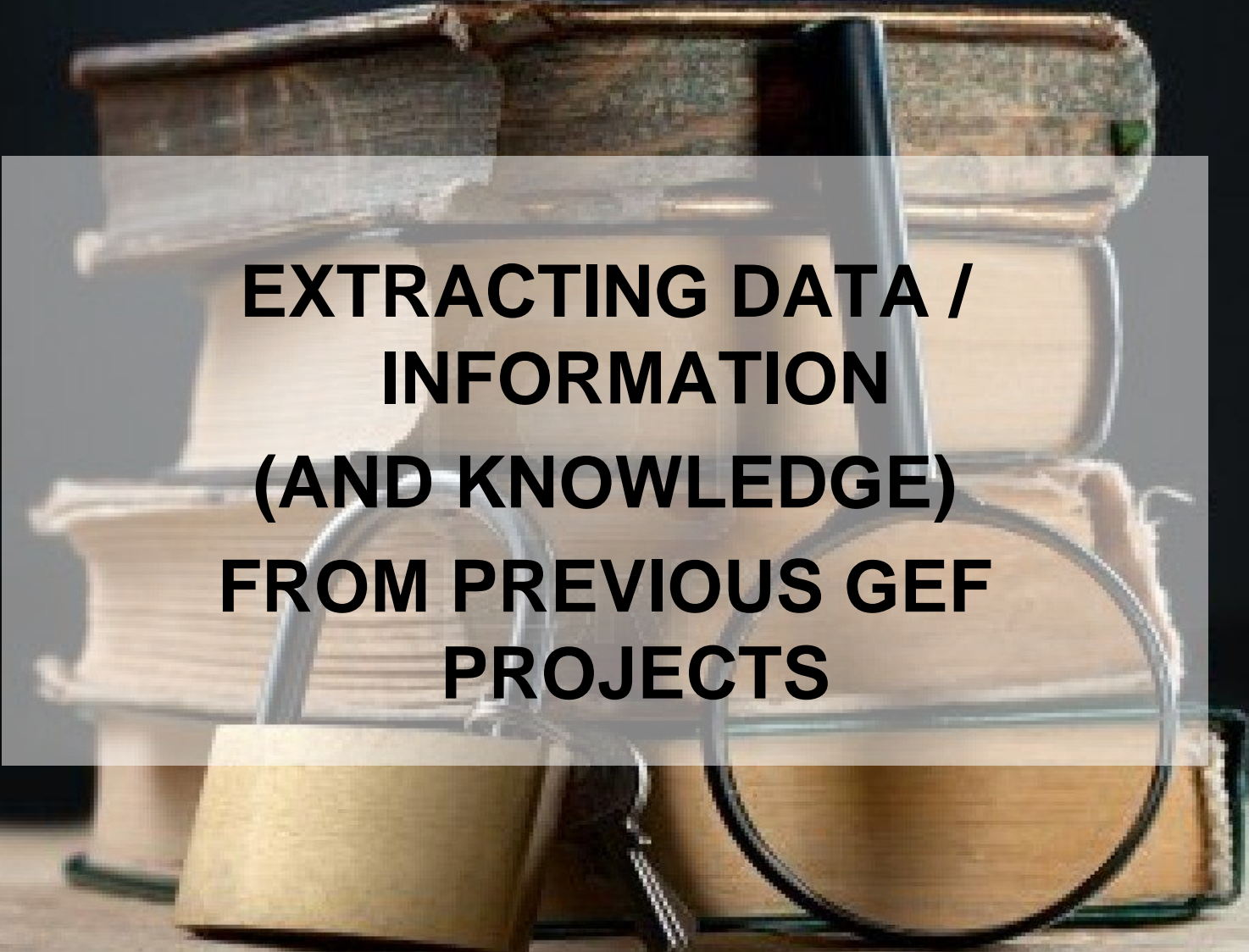
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Example: Restoration at scale



**To be an innovator, the GEF needs to know
where it has been**



**EXTRACTING DATA /
INFORMATION
(AND KNOWLEDGE)
FROM PREVIOUS GEF
PROJECTS**

Looking forward : How can STAP do better?

- STAP is currently being evaluated by the Evaluation Office.
- How does the GEF partnership see the role of STAP?
(we welcome your thoughts)



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New STAP Chair

WELCOME

Dr. Rosina
Bierbaum



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Questions and comments welcomed



Thomas E. Lovejoy
Chair

GEF's Scientific and Technical Advisory Panel

www.stapGEF.org

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