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Report to the 48<sup>th</sup> Meeting of the GEF Council

# Scientific and Technical Advisory Panel

# STAP Panel Members

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**Michael Stocking**  
Senior Advisor to Chair



**Rosina Bierbaum**  
Chair  
USA



**Thomas Lovejoy**  
Senior Advisor to Chair



**Jakob Granit**  
*International Waters*  
Sweden



**Brian Child**  
*Biodiversity*  
South Africa



**Ricardo Barra**  
*Chemicals & Waste*  
Chile



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*Land Degradation*  
Australia



**Anand Patwardhan**  
*Climate Change  
Adaptation*  
India/USA



**Ralph Sims**  
*Climate Change  
Mitigation*  
New Zealand

# Outline of Report

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Integrated Approach Pilots

Knowledge Management

Completed and Upcoming Work

Engagement with Conventions

# Integrated Approach Pilots (IAPs)

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## General Observations:

- Achieve a systemic approach to complex challenges
- Built on scientifically sound conceptual frameworks
- Great inter-agency collaboration
- Strong commitment to learning and KM systems
- Opportunity to develop and refine tools that can be applied more widely across GEF programs - *and beyond!*



# Integrated Approach Pilots (IAPs)

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Taking  
Deforestation  
out of the  
Commodities  
Supply Chain



Sustainable  
Cities –  
Harnessing  
Local Action  
for Global  
Commons



Fostering  
Sustainability  
and Resilience  
for Food  
Security in  
Sub-Saharan  
Africa

# Taking Deforestation out of the Commodities Supply Chain

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*For this IAP, STAP:*

- Has been involved from the beginning
- Is providing support through:
  - Indicators review and assessment
  - Identifying key actors and intervention points
- Concludes this IAP is well conceived, with a logical theory of change, and a well-formulated implementation strategy
- Looks forward to continued engagement with regard to research on impacts, knowledge management, and learning
- Possible modelling of future demand



# Sustainable Cities – Harnessing Local Action for Global Commons

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*For this IAP, STAP:*

- Contributed to concept development
- Provided input on indicator development;
- Agrees with having limited common indicators, and the flexibility for a city to select others
- Sees benefits from having indicators related to resilience
- Recommends broader stakeholder engagement recognizing the complex social and governance issues
- Offers to assist further with knowledge management aspects of the IAP

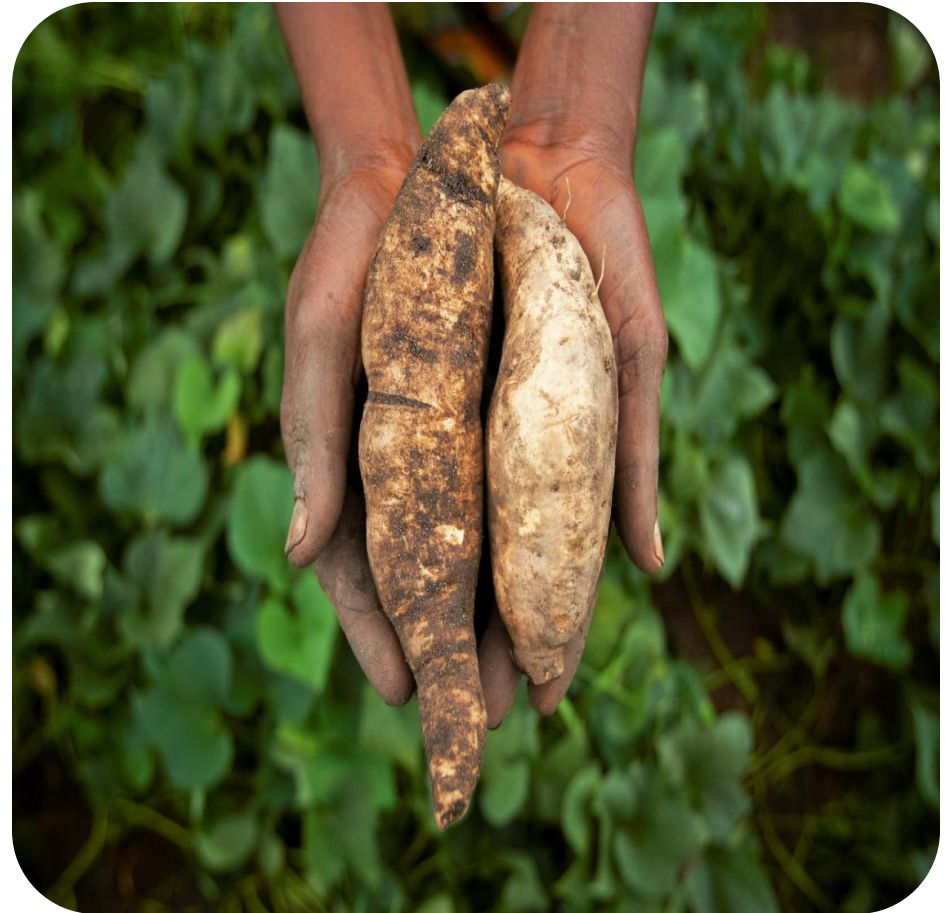


# Fostering Sustainability and Resilience for Food Security in Sub-Saharan Africa

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*For this IAP, STAP:*

- Engaged since the early stages, contributing to the results-based framework and program structure
- Commissioned the development of an indicator framework to assess 'resilience'
- Concludes that the IAP components are well-designed to contribute to achieving global environmental benefits
- Suggests the indicator framework be applied to guide country project planning; will develop guidelines for application.





# Observations on the GEF Work Program

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42 Projects and 5 Programs reviewed; some general concerns:

- Overall conceptual frameworks and/or hypothesis that is being addressed
- Effective use of available evidence in project design
- Stakeholder engagement processes
- Building in knowledge management and learning

*Should PIF Guidelines be developed to aid new GEF agencies?*

# Knowledge Management

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- **Knowledge is one of the most valuable commodities in the GEF**
  - STAP has produced an advisory document on knowledge management and is pleased to see that KM is required in the PIF template
  - The GEF's comparative advantage in KM is at the level of portfolio learning particularly at national scale, but also at regional and global scales
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- The GEF's Approach Paper on KM is a significant step forward towards a full-fledged GEF KM Strategy.
  - STAP suggests that there are currently few incentives for including KM in projects but KM must be embedded from PIF to TE

# Knowledge Management

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*“...the GEF’s potential in facilitating knowledge capture, exchange and uptake across the portfolio is not fully realized.”*

*(GEF KM Approach Paper)*

STAP has nine specific recommendations in our Interim Report that broadly address three major KM challenges:

- 1) Scale up support for South-South exchange and regional Communities of Practice
- 2) Provide project and organizational KM incentives
- 3) Improve KM enabling environment including development of new enterprise-wide KM system

# Possible Near Term STAP Actions on KM

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1. Support work of the inter-agency KM Working Group, particularly focusing on linking the Group with regional and global scientific networks and partnerships (e.g., ICSU, Future Earth and others)
2. Develop guidance on how to design effective projects and programs supporting KM
3. Contribute to the development of a GEF Open Data Policy
4. Support GEF IEO and GEF RBM team in mainstreaming KM in evaluations focused on country-portfolio evaluations and development of KM indicators, respectively
5. Include assessment of KM activities in STAP's screening of GEF Work Programs

# Updates on Ongoing Work

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Black Carbon



GHG  
Accounting



National Adaptation  
Plans (NAPs)



Biofuels



M & E for  
Adaptation

# Engagement with Conventions

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December  
2014

- CBD Expert Meeting on Marine Debris
- Baltimore, USA

February  
2015

- UNFCCC Adaptation Committee Meeting
- Bonn, Germany

March  
2015

- UNCCD 3<sup>rd</sup> Scientific Conference
- Cancun, Mexico

May  
2015

- Chemicals Conventions Science Fair
- Geneva, Switzerland

# UNFCCC Adaptation Committee

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- STAP presented the preliminary results for ongoing work on National Adaptation Plans and M&E of climate change adaptation
- This work was welcomed by the AC, and the AC will consider incorporating some of the issues identified into their future work plan
- The AC will continue to collaborate with STAP in the future

# UNCCD's 3<sup>rd</sup> Scientific Conference

STAP organized two side events:

**Resilience  
Adaptation  
Transformation  
Assessment  
and Learning  
Framework**



Use of satellite data  
to measure and  
monitor land  
degradation at  
multiple scales



# BRS COP and Science Fair

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*STAP was involved primarily in two side events:*

1. How Science Technology and Innovation can tackle drivers on chemicals and waste: Lifecycle of Plastics as a driver of POPs Pollution (GEF)
2. Contribution of science to better decision making process on POPs and hazardous chemicals (POP RC and partners)
  - Presentation on **Plastics in the Environment: A new threat to ecosystem and human health?**
  - Video on Chemicals in the environment for the science fair
  - Discussion on listing new chemicals



## *Future STAP work:*

# Science of and for Integrated Approaches

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- Examine the evidence base for Integrated Approaches achieving GEBS better
  - Proposed topics that would benefit from integration across focal areas:
    - Community-based NRM/ecosystem-based adaptation
    - Green Chemistry
    - Climate Resilience
    - Sustainable intensification of agriculture
    - Environmental Security
  - Reviewing success (longer term) of current IAPs
  - Consider topics for future IAPs?
    - Complex issues that require strategic innovation?
    - Integration of development agenda with environment?
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# Questions?

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