

# Scientific and Technical Advisory Panel



The Scientific and Technical Advisory Panel, administered by UNEP, advises the Global Environment Facility

STAP Meeting October 13, 2009

## Agenda Item 3

### STAP Progress Report

October 9, 2009

#### Introduction

This report summarises STAP's work during the period since April 2009 within the reporting period to October 2009. It includes

- An outline of work within the Project Cycle;
- An updated summary of progress achieved within the STAP Work Program, FY10;
- Briefing on STAP's contributions to formulating the System for Transparent Allocation of Resources – STAR;
- Work undertaken in liaison with Conventions and their subsidiary bodies;
- A summary of progress achieved in response to decisions taken at the STAP Meeting, April 28-30, 2009 held in FAO, Rome Italy - Decisions of the Meeting and progress achieved are summarised in the table below (page 5).

#### Project Cycle

1. Two Work Programs for approval in June and November Council meetings were screened by STAP. These comprised a total of 95 PIFs and 3 PFDs with further screening completed in advance of later CEO approval. Out of 95 PIFs screened, STAP required 19 to undergo minor revision but only 1 requiring major revision (equivalent to 21% of PIFs requiring corrective action leading to the full project brief). One Program, the "Sustainable Med", required minor revision. STAP has noted previously that PIFs only weakly convey a clear scientific or economic rationale and statement of the expected global environmental benefits, and this continues to be the case.

#### Progress achieved within STAP's Work Program, FY10

2. The Panel's work as set out in the Work Program for FY10<sup>1</sup>, is briefly reviewed in this section of the report. The work agreed with GEF partners is organized into seven categories: Corporate, Cross-cutting, Biodiversity, Climate Change, International Waters, Persistent Organic Pollutants, Land Degradation. At present there are no actions agreed under Ozone Depleting Substances.
3. The table below lists the agreed outputs/products and notes their current status. The majority of work originally scheduled for FY09 was completed on time, however, exceptions included XC#2, IW#2. LD#1 was previously delayed and were carried forward from the FY09 Work Program period. Panel advisory work provided to GEF project steering committees is listed under XC#4, CC#4 and LD#2; the first two are ongoing, LD#2 is now completed.

#### Corporate work

| ACT. Nr. | Output / Product  | Status   |
|----------|---|--|
| C#1      | <ol style="list-style-type: none"> <li>1. STAP Science Vision as a contribution to the framing of priorities for GEF-5</li> <li>2. Scientific and technical inputs to the formulation of the long term strategies and strategic objectives</li> </ol> | <ol style="list-style-type: none"> <li>1. Completed</li> <li>2. Panel Members time contribution to TAGs (ongoing to end 2009)</li> </ol> |
| C#2      | Analysis of GEF portfolio in each GEF Work Program for GEF Council  | Ongoing task   |
| C#3      | STAP expert database established and populated accessible through the   | Internal listings generated by Panel   |

<sup>1</sup> [http://stapgef.unep.org/docs/Activities/STAPWPDocs/GEF\\_C.35\\_Inf.11%20STAP%20Work%20Program%20FY10.pdf](http://stapgef.unep.org/docs/Activities/STAPWPDocs/GEF_C.35_Inf.11%20STAP%20Work%20Program%20FY10.pdf)

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|            |  |   |
|------------|--|---|
|            | STAP website   | Members and external network organizations used as resource for selection of experts. Accessibility under review; continuing task |
| <b>C#4</b> | Guideline document on Conducting Experimental Trials in the context of the GEF portfolio (includes Methodology for experimental and quasi-experimental evaluation) | Completed, under peer review, release expected in October 2009  |
| <b>C#5</b> | Targeted Research modality reviewed and redesigned   | Awaiting decision on relation of TR to Learning Objectives  |

#### Cross-Cutting work

| <b>ACT. Nr.</b> | <b>Output / Product</b>   | <b>Status</b>  |
|-----------------|---|--|
| <b>XC# 1</b>    | Evidence base (or state of knowledge) document on the relationship between biofuels, climate change mitigation and biodiversity   | Under peer review expected completion in October 2009                            |
| <b>XC# 2</b>    | (GEFSec's contracted work:) Climate Proofing: To examine the GEF portfolio across all focal areas taking into account adaptation needs and the delivery of global environmental benefits in those areas, to devise a methodology or safeguard tool that can be used in all GEF focal areas to ensure that the GEB's from the GEF portfolio will be robust in the face of climate change | Work postponed, awaiting GEFSec guidance   |
| <b>XC# 3</b>    | Case made for having a common set of generic indicators of expected impacts of GEF projects in the NRM grouping   | Approach Paper submitted to GEFSec in late 2008. No further work planned         |
| <b>XC# 4</b>    | Scientific and technical rationale and methods for integrating two methods of tracking change in total system carbon.   | First Steering Committee in May 2009. Ongoing task for 3 years (LD Panel Member) |
| <b>XC# 5</b>    | Knowledge base on interlinkages between energy efficiency interventions and releases of unintentionally produced POPs.  | Completed, released July 2009  |
| <b>XC# 6</b>    | Science-based document on emerging chemicals in developing countries and policy advice for GEF-5 and beyond   | Start delayed, now commissioned for delivery in October 2009                     |
| <b>XC# 7</b>    | Guidance on integrating mitigation/adaptation synergies across portfolio  | For presentation to October 2009 STAP meeting                                    |

#### Biodiversity

| <b>ACT. Nr.</b> | <b>Output / Product</b>  | <b>Status</b>   |
|-----------------|--|---|
| <b>BD# 1</b>    | Analysis of the potential points of entry for the GEF in Payments for Environmental Services (PES) programs and implications for BD programming  | Completed   |
| <b>BD# 2</b>    | Evidence base document for community forest management impacts on global environmental benefits.   | Under implementation, to complete by December 2009 (revised from October 2009)        |
| <b>BD# 3</b>    | Guideline document that briefly summarizes the current evidence base on the effectiveness of marine protected areas (MPAs) for biodiversity objectives inside and outside MPAs, summarizes the latest thinking on connections between MPAs and fishery management, and offers guidance on how the GEF can better evaluate its investments in these areas and build the evidence base on MPA management | Under peer review, expected completion November 2009                                  |
| <b>BD# 4</b>    | Guidance document on whether and how certification can lead to ecosystem use changes correlated with environmental services and biodiversity   | Resources for the Future contracted to deliver by December 2009 (on track)            |
| <b>BD# 5</b>    | Evidence-base documents to identify where the gaps in our understanding of GEF-5 learning objectives (LOs) lie (one document for each LO), guideline documents that describe how to best fill the gaps (one document for each LO), and advice in the design of TORs and GEF-funded projects that can help contribute to each LO.   | July 2009 to June 2010 period. Not yet contracted, awaits GEF-5 strategy confirmation |

#### Climate Change

| <b>ACT. Nr.</b> | <b>Output / Product</b>  | <b>Status</b> |
|-----------------|--|---------------|
| <b>CC# 1</b>    | Recommendations for GEF- 5 Strategic Objectives and Programs; a science-based analysis for the Climate Change Focal Area | Completed     |

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|--------------|--|---|
| <b>CC# 2</b> | REDD, Forest Conservation and Sustainable Forest Management; Options for GEF-5   | Completed   |
| <b>CC# 3</b> | Regionalization of GEF portfolio and Strategic programs: Exploratory Paper towards GEF-5   | Cancelled (request by GEFSec)                                 |
| <b>CC# 4</b> | UNEP MSP on biofuels implemented with additional guidance provided by STAP   | First Steering Meeting held, ongoing task for CC Panel Member |
| <b>CC# 5</b> | Methodology for measuring GHG impact of transport projects funded by GEF   | Workshop with ADB scheduled for October 19-20, Manila         |
| <b>CC# 6</b> | Guidance on peatland management for conserving carbon stocks and reducing CO <sub>2</sub> emissions (based on GEF project experience and using IMCG expertise) | Originally to start August 2009, delayed until December 2009  |
| <b>CC# 7</b> | Guidelines for LULUCF under GEF-5 (post-Copenhagen)  | April 2010 to May 2010  |

#### International Waters

| <b>ACT. Nr.</b> | <b>Output / Product</b>   | <b>Status</b>   |
|-----------------|---|---|
| <b>IW#1</b>     | Three Approach Papers and a method for integrating indicators at the country level.   | Completed   |
| <b>IW#2</b>     | STAP report on Dead Zones   | Expert Consultation in October 2009, complete policy review in March 2010                           |
| <b>IW#3</b>     | Design of session on technologies for GEF-IW projects at GEF-IW 2009 conference   | Technology Session  |
| <b>IW#4</b>     | IW climate responses: Scoping of the climate change linkages that GEF-IW should factor into its portfolio and how.  | November 2009 to June 2010. CC Panel member leading, with completion of primary report in September |
| <b>IW#5</b>     | Areas beyond national jurisdiction: Provide GEF with a background review and pilot product development guidance of the scientific, technical and legal issues in protecting biodiversity in areas beyond national jurisdiction (ABNJ) from the impacts of fishing for highly migratory species and bottom trawling on seamounts | Awaits endorsement of GEF-5 strategies before commissioning work.                                   |

#### Persistent Organic Pollutants

| <b>ACT. Nr.</b> | <b>Output</b>  | <b>Status</b>  |
|-----------------|--|--|
| <b>POP S#1</b>  | Practice guide on combustion and emerging non-combustion technologies for POPs in developing countries | In draft, will complete before end October 2009. Delayed due to consultant illness. Other consultant completed report. |
| <b>POP S#2</b>  | Guidance document on the use of indicators for allocating resources in POPs FA for GEF-5               | GEFSec decided to let a contract to their own consultant. STAP to peer review in August 2009                           |
| <b>POP S#3</b>  | A guidance document for GEF on E-waste   | Scheduled for January 2010 to June 2010  |
| <b>POP S#4</b>  | Advice on POPs monitoring and measurements   | Scheduled for March 2010 to June 2010  |

#### Land Degradation

| <b>ACT. Nr.</b> | <b>Output / Product</b>   | <b>Status</b>  |
|-----------------|---|--|
| <b>LD# 1</b>    | (1) Global Impacts of Land Degradation<br>(2) The Millennium Ecosystem Assessment (MA) Methodology and Land Degradation<br>(3) The Trade-offs Between Sustainable Land Management, Global Environmental Concerns and Local Socio-Economic Impacts | Final drafts in editing for publication<br>Expected completion by end 2009 |
| <b>LD# 2</b>    | STAP reviews and contributes to KM Land MSP outputs   | Completed  |
| <b>LD# 3</b>    | A pragmatic set of Indicators applicable at LD portfolio level to provide a fair and acceptable means of allocation of LD funds to countries that have need for investments in SLM  | Completed  |

|                        |   |                                  |
|------------------------|---|----------------------------------|
| <b>LD#</b><br><b>4</b> | Guidance on the benefits of investing in the LD focal area and in SLM | Completed as part of LD TAG work |
|------------------------|---|----------------------------------|

### Resource Allocation Framework (and “STAR”)

4. Following the April STAP meeting, the Panel agreed to participate in work coordinated by the GEF Secretariat. At that point the Panel were waiting for policy guidance on whether the RAF (new acronym<sup>2</sup> ‘STAR’) would build links between indicators for allocation and indicators for programming. If there were to remain no linkage between allocation and subsequent programming of allocated resources then there was no need to design a complicated index. A STAP Working Group was convened by the GEF CEO following the June Council meeting, in which it was confirmed that no linkages between allocation and programming were to be made.
5. The STAR working group first met on July 1 chaired by the Special Assistant to the CEO, and met on a two weekly/weekly basis. Outputs of this work included updated indicators for climate change (mitigation), biodiversity, land degradation and chemicals. International waters remained outside the STAP and no further work was done regarding this focal area.
6. STAP provided a briefing to GEF Agencies on July 28, 2009 which reported STAP’s work to date on the GBI and GPI, and sought Agency review of its work regarding:
  - a dialogue over a policy for selection and use of indicators,
  - review of STAP’s advice regarding specific GBI – related indicators and,
  - advice on development of recommended criteria for use of global and regional exclusion funds (“GRE” or global and regional set-aside, “GRS”, now re-named focal area set-aside funds “FAS”).
7. With one exception (UNEP commented on the use of global and regional exclusion funds), no GEF Agency responded substantively to these points. Regarding the GRE/GRS, STAP took into account UNEP’s suggestions and provided a paper to the GEF Secretariat which proposed:
  - A. Top level criteria which always have to be satisfied:
    - Interventions consistent with GEF Strategic Goals, AND;
    - that will deliver transboundary Global Environmental Benefits incremental to foundational
    - national commitment to GEBs through the use of national STAR resources;
  - B. Subsidiary criteria to be applied provided that the top level criteria are satisfied:
    - Global/regional projects/programs addressing transboundary ecosystems;
    - Global/regional assessments and methodologies advancing delivery of GEBs for the entire GEF partnership;
    - Corporate-level projects/programs advancing learning objectives and implementation science across focal areas.
8. STAP’s suggested top level criteria for use of GRE/GRS/FAS have been included (in modified form) in the next STAR paper<sup>3</sup> to be considered at the Paris replenishment meeting, as follows:
 

*Building on STAP’s recommendation on the use of FAS resources that are not directed to enabling activities and SFM, the Secretariat is proposing the following generic guidelines for the use of set-asides for global and regional projects across all focal areas:*

  - *Any proposal to access FAS resources must be consistent with GEF Strategic Goals and should deliver additional global environmental benefits (GEBs) that would not be achieved via national commitments only.*
  - *Regional projects must be endorsed by each participating country*

<sup>2</sup> System for Transparent Allocation of Resources – STAR

<sup>3</sup> See: GEF/STAR AHC.2/1, 21 September, 2009

9. Depending upon the outcome of the GEF Council ad hoc Committee, 16 October, 2009 in Paris, STAP could consider further participation in refinement of the GBI and criteria for set-aside.

### Liaison with GEF-related Conventions

10. **CBD:** Considerable liaison and substantive work has been undertaken including: participation in CBD's International Expert Workshop on the 2010 Biodiversity Indicators and Post-2010 Indicator Development (July 6-8, 2009, Reading); a visit by the STAP Chairperson supported by the STAP Secretariat on September 14, 2009 (further details are provided in the Annex); participation by the STAP Secretary on behalf of the Chairperson at the 3<sup>rd</sup> Third Meeting of Chairs of Scientific Advisory Bodies of Biodiversity-Related Conventions, October 4, 2009.
11. **Stockholm Convention:** Results of the STAP commissioned study on benefits and trade-offs between energy conservation and release of uPOPs were presented at the side event organized at the COP-4 meeting of the Stockholm Convention on May 6, 2009.
12. **UNCCD:** The Panel, supported by the STAP Secretariat, at the invitation of UNCCD Secretariat, attended the Committee on Science and Technology (CST) Bureau meeting (CST 8) in Bonn, May 25-26, 2009, at which a Panel Member presented the status of the GEF's Land Degradation RBM-based indicator proposals, within the CST session on impact indicators. The CST Committee of Experts paper considering a minimum set of impact indicators was reviewed by a STAP consultant at the invitation of the UNCCD Secretariat. At the first week of the CoP9 in Buenos Aires, Argentina (September 25-29, 2009), STAP attended the UNCCD's First Scientific Conference, and a keynote paper was contributed by a Panel Member.

### Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services (IPBES)

13. In liaison with the UNCBD, UNEP convened the Second Meeting of the Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services (IPBES), Nairobi October 5-9, 2009, at which participants reached consensus<sup>4</sup> on the need for a strengthened science-policy interface, but did not reach consensus on the need for a mechanism. The meeting was preceded by the Meeting of the Chairs of Scientific Advisory Bodies of the Biodiversity related Conventions, which reached consensus on the need for a IPBES and through its Chair (CBD SBSTTA Chair), called for the creation of a Platform. The STAP Chairperson was represented at these meetings. It is expected that a Third Meeting will be convened by UNEP in early 2010 to seek consensus on the creation of a mechanism to manage an IPBES.

### Summary record of progress achieved against actions arising from April 2009 Meeting

| <b>Action. (numbered references refer to the Minutes<sup>5</sup> of the September 2008 meeting):</b>   | <b>Progress achieved and proposed next action</b>  |
|--|--|
| <b>STAP Progress report:</b><br>Decision 4.1: STAP will continue advising on the developing GEF-5 resource allocation system.  | Participated in the STAP Working Group July-September 2009. Awaiting results of Paris STAR sub-group meeting, October 16, 2009 |
| Decision 4.2: STAP will continue to monitor and compile statistics on the outcomes of project (and programmatic approach) concept screening including trends over time and correlation with GEFSEC and Council comments. | Ongoing work, analysis to be included in November Council briefing by STAP Chairperson   |
| Decision 4.3: STAP confirms that it is responsible for ensuring that its project screening comments are addressed through dialogue with Agencies.  | Ongoing work   |
| <b>Presenting the Panel's advisory products</b>  | Secretariat contacted  |

<sup>4</sup> <http://www.iisd.ca/ymb/biodiv/ipbes2/>

<sup>5</sup> [http://stapgef.unep.org/docs/Activities/Meetings/Sep2008/SummMtgRep\\_200809.pdf](http://stapgef.unep.org/docs/Activities/Meetings/Sep2008/SummMtgRep_200809.pdf)

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| Decision 5.1: STAP agreed to contact the UNFCCC Secretariat to discuss further the work requested of it.  |  |
| <b>Sustainable Forest Management (SFM) next steps</b><br>Decision 7.1: STAP will advise the TAGs for SFM and Climate Change to address capacity building activities to assist countries to report that they are enabled to prepare themselves to take advantage of mechanisms that may emerge that provide positive incentives for climate change mitigation and conservation in specific ecosystems that may be prioritised for GEF interventions.   | SFM TAG has not discussed next steps   |
| Decision 7.2: STAP recommends continuing a dedicated framework strategy for SFM, without prejudice to the needs for other important ecosystem, but will work through the SFM and Focal Area TAGs to clarify what will be supported under the strategy and the ways in which countries can access GEF support for SFM interventions.   | SFM will be continued within GEF-5   |
| <b>GEF-5 strategies, an integrated approach</b><br>Decision 8.1: As proposed by the GEF Evaluation Office STAP can play a major role in making GEF-wide results-based management framework consistent with the maximized delivery of GEBs across focal areas and including cross-cutting issues at the level of strategic goals/objectives.   | STAP has proposed specific cross-cutting goals, further work will be coordinated with the RBM Coordinator, GEF Secretariat |
| Decision 8.2: STAP will start working on ecosystem carbon services. The first step is proposed work on peatlands and post-Copenhagen LULUCF methodology.  | For post Copenhagen action by the Panel  |
| Decision 13.1: STAP will provide further advice regarding the interlinkages between focal area strategies including the incorporation of adaptation to climate change.  | Advice provided has not resulted in improved interlinkages   |
| Decision 13.2: STAP will aim at producing a consolidated opinion on biofuels.   | Advisory paper completed and under per review  |
| Decision 13.3: STAP will contribute to a clear definition of GEBs in a wider chemicals focal area.  | To be reported at a later meeting  |
| Decision 13.4: STAP will contribute to an improved M&E framework for LD   | No action taken  |
| <b>Oceans and over-fishing</b><br>Decision 9.1: It was agreed that Areas Beyond National Jurisdiction need to be addressed by GEF, that existing projects such as the CTI which are otherwise well-grounded need fisheries elements, and that GEF fisheries work needs to address legal instruments, in the context of a common resource management approach.   | ABNJ included under a high replenishment scenario  |
| <b>Improved Chemicals Management</b><br>Decision 10.1: STAP will continue providing advice in the Technical Advisory Group on chemicals emphasizing promotion of integrated chemicals management as a primary aim of the focal area.  | Completed advisory input to the TAG  |
| Decision 10.2: STAP Work Program for FY10 will include 1. Study on emerging chemicals for GEF-5 and beyond that will propose, inter alia, criteria for supporting particular chemicals in the GEF (potential to deliver global environmental benefits); 2. Guidance document for GEF on electronic waste; 3. Advice on cost-effective methods for POPs monitoring and analysis.   | Included in FY10 Work Program  |
| <b>Biofuels, food security and biodiversity</b><br>Decision 12.1: STAP acknowledges the significance of adherence to sustainability criteria in supporting biofuels projects in the GEF. STAP recommends considering biofuels in the context of bioenergy with implications for promotion of sustainable agricultural practices and reiterates its position on biofuels in GEF-5 expressed in the STAP document prepared for TAG on climate change ( <a href="http://stapgef.unep.org/activities/technicalworkshops/CC_GEF5">http://stapgef.unep.org/activities/technicalworkshops/CC_GEF5</a> ). | See Decision 13.1. Further action will follow on completion of peer review of the STAP report                              |
| Decision 12.2: STAP will serve as an advisor to GEF targeted research project "Assessments and guidelines for sustainable liquid biofuels production in developing countries".  | Implemented, Panel Member attends advisory group   |

## **Annex. Convention bodies – STAP Cooperation**

*STAP/CBD Secretariat working agenda (arising from a liaison visit, September 14, 2009)*

1. STAP has been invited to review the draft Global Biodiversity Outlook (GBO-3) report.
2. The STAP Chair was chair a meeting of the scientific review panel on the draft GBO-3 report in Montreal, Canada, 4-5 November 2009.
3. The Executive Secretary recommended that STAP advise the GEF Council on how it should support ABS and the scientific issues associated with ABS, which include implications of the regime for the research community.
4. The concept of a science (side) event at the GEF Assembly in 2010 was discussed. The Executive Secretary recommended that STAP convene an event with its panel members and 4 or 5 scientists from recipient countries to showcase STAP and discuss major scientific issues for GEF-5.
5. The STAP Chair was invited to the High level segment of COP-10, 26-29 October 2010, Nagoya, Japan.
6. The STAP Chair was invited to the International Year of Biodiversity (IYB) closing ceremony on 12 December 2010, Kanazawa, Japan.
7. In the context of the IYB, the Chair and Executive Secretary discussed a concept for a special event in Washington DC involving the Smithsonian Institution and George Mason University.
8. STAP will share the final draft of its report on “State Of The Evidence Base: Marine Protected Areas” with SCBD.
9. SCBD will share the outcomes of its “Expert Workshop on Scientific and Technical Guidance on the use of Biogeographic Classification Systems and Identification of Marine Areas Beyond National Jurisdiction in need of protection” with STAP to help inform STAP’s advice to the GEF on ABNJ.
10. SCBD will inform STAP of plans for a CBD workshop on REDD+ in 2010.
11. SCBD would like STAP’s view on the importance of the Group on Earth Observations Biodiversity Observation Network (GEO BON) initiative.

### **Current areas of cooperation in work programs**

The STAP Secretariat held individual meetings with SCBD members on recent and current areas of collaboration which include:

- A) Ongoing information exchange on the GEF’s ABS, Invasive Alien Species (IAS) and Protected Areas initiatives.
- B) STAP participation in the CBD’s International Expert Workshop on the 2010 Biodiversity Indicators and Post-2010 Indicator Development (6-8 July 2009, Reading).
- C) STAP’s submission on the CBD’s ‘Guide to integrating protected areas within wider landscapes, seascapes and sectoral plans and strategies’. The Panel noted that it will be a useful resource for the preparation of GEF proposals, drawing on and adding significantly to STAP’s (2005) guidance on mainstreaming biodiversity in production landscapes.
- D) STAP’s participation in the CBD Expert workshop on the removal and mitigation of perverse, and the promotion of positive, incentive measures (6-8 October, Paris). The Panel has asked an expert to attend the workshop on its behalf and report back to it on the outcomes of relevance to the emerging GEF-5 biodiversity focal area strategy.