



# Global Environment Facility

GEF/C.34/Inf.11  
October 14, 2008

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GEF Council  
November 11-13, 2008

## SCIENTIFIC AND TECHNICAL ADVISORY PANEL WORK PROGRAM FOR FINANCIAL YEAR 09 (UPDATED)

**(Prepared by the Scientific and Technical Advisory Panel)**



# United Nations Environment Programme

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PROGRAMME DES NATIONS UNIES POUR L'ENVIRONNEMENT • PROGRAMA DE LAS NACIONES UNIDAS PARA EL MEDIO AMBIENTE

ПРОГРАММА ОРГАНИЗАЦИИ ОБЪЕДИНЕННЫХ НАЦИЙ ПО ОКРУЖАЮЩЕЙ СРЕДЕ

## Scientific and Technical Advisory Panel Work Program for FY09

(Last updated 1<sup>st</sup> October 2008)

### Background

1. This STAP IV Work Program for the period July 2008 to June 2009 inclusive was first drafted at the April 9-12 meeting of the STAP held at UNEP, Nairobi and amended at the September 2008 meeting. The outputs/products discussed at the meeting respond to requests made to STAP by the GEF Council, GEF Agencies or the GEF Secretariat. Subsequent drafts were produced for consideration by GEF Task Forces and changes incorporated into this working copy, which will be updated at each STAP meeting.
2. Work conducted by STAP within the new Project Cycle is now included in this Work Program. Previously STAP's work on project screening and reporting to the GEF Secretariat and GEF Council was not shown as a separate set of outputs, however, with new service standards for STAP now included in the GEF Operational Manual, the activities necessary to deliver STAP's advice on project concepts and programs are more clearly defined.
3. The Reform of STAP has resulted in the planned reduction in size of the Panel, which was reconstituted in January 2008, with a further reconstitution that took effect by 1<sup>st</sup> July 2008. Planned changes to the composition and role of the STAP Secretariat were completed by UNEP in September 2008. The combined changes will enable the full engagement of STAP within the Project Cycle.
4. While the focal areas of the GEF are a main organizer of STAP's work, two other principal organizing themes influence priorities, these are cross-cutting work where inter-linkages between focal areas require guidance, and "corporate" work. These categories are further discussed below.

### Corporate objectives and relationship to Focal Areas

5. STAP defines its role and tasks with respect to "Corporate" activities to encompass strategic and operational advice, distilling subsidiary body advice for the GEF, knowledge management and advising on the targeted research modality. The role and tasks of STAP also includes the provision of scientific and technical expertise and supporting tools, as well as partnership working on common issues of science with the GEF Evaluation Office.
6. The majority of the Corporate work undertaken by STAP addresses general GEF objectives, and also the keeping under review of the existing Strategic Objectives or Programs, and the identification of the need for changes.
7. A major part of the overall effort of STAP within its Corporate role is the scientific and technical screening of projects submitted for CEO approval. As agreed at the April 2008 STAP meeting, STAP will continue to screen project concepts (PIFs) submitted by GEF Agencies, but will shift its emphasis away from reporting in some detail regarding scientific and technical issues on each project to GEF Agencies and the GEF Council, towards the objective of providing a strategic view of the extent to which projects approved in each focal area are contributing to the impact of the GEF, with suggestions for improving project design and to provide programmatic guidance. This shift in emphasis responds to the consensus amongst the GEF bodies that STAP should move even more upstream to concentrate on portfolio analysis and guidance to the GEF.

## **Cross-cutting work - interlinkages**

8. Regarding work on interlinkages between focal areas, this appears in a separate Cross-Cutting section but also within some of the focal area tasks. STAP is committed to increasing cross-focal area synergies within projects and programmatic approaches, and in this Work Program is emphasizing new work in the NRM/Climate Change area for both mitigation and adaptation approaches.

## **The Work Program**

9. The Work Program is presented below in the form of an annotated framework (see Table 1), identifying expected outcomes and impacts related to strategic objectives and programs where relevant, and the activities (inputs) required to deliver the outputs and products shown. The Work Program is organized by focal area and includes cross-cutting and corporate sections.
10. Activities supported by the STAP budget to deliver the outputs and products, include the use of Panel member and STAP Secretariat time, work commissioned from members of the STAP Experts Database and through affiliated scientific and technical networks.
11. Activities undertaken to deliver expected outcomes and impacts will be closely coordinated with the GEF Secretariat, the GEF Evaluation Office and the GEF Agencies. Modes of delivery include thematic issues papers for the GEF Council, reports to the GEF Secretariat and joint working in specific evaluation tasks with the GEF Evaluation Office.
12. The STAP Work Program for financial year 2009, shown in Table 1, describes outputs responding to the needs expressed to the Panel by all parts of the GEF, and has been updated to reflect outputs suggested at the first Science Panel meeting of 2008, held at UNEP in Nairobi, between April 9-12, 2008, later consultation via the focal area Task Forces and was updated at the September 2008 Science Panel meeting.
13. In a departure from previous Work Programs, a "shadow list" of requests has been established (Table 2), which include outputs and products proposed by STAP or called for by a GEF body, but which have not yet been assigned resources for enabling the activities necessary to deliver them. The purpose of including the shadow listing is to reflect to the GEF the overall demand for delivery of services by the STAP, and to act as a reference for activities to be scheduled as resources permit.
14. The Justification for each output / product is now included in the Work Program, with reference to the GEF body making the request of STAP. Further requests for STAP attention are likely during FY09; those will be considered and any consequent adjustments to the Work Program will be posted on the STAP website.

**Table 1. STAP Work Program, FY09**

<b>CORPORATE</b>						
<b>ACT. Nr.</b>	<b>Strategic Objective and/or Expected Impacts</b>	<b>Expected Outcome</b>	<b>Means of verification of Output / Product</b>	<b>Output / Product</b>	<b>Activities / inputs</b>	<b>Time frame</b>
1.	GEF-5 Strategies are relevant and well focused to enable actions in support of the GEF's niche to deliver global environmental benefits	GEF-5 Strategic Objectives, Strategic Programs and associated RBM indicators	<ul style="list-style-type: none"> <li>• STAP Science Vision</li> <li>• STAP working papers on focal area strategies</li> <li>• Formation of STAP Working Groups</li> <li>• STAP participation in TAGs and other relevant processes</li> </ul>	<p><b>1. STAP Science Vision as a contribution to the framing of priorities for GEF-5</b></p> <p><b>2. Scientific and technical inputs to the formulation of the long term strategies and strategic objectives</b></p> <p><b>Justification:</b> Agreement with CEO that STAP can contribute early high level ideas to the framing of the GEF-5 priorities. Invitation from the GEF Secretariat to participate in the TAGs</p>	<ul style="list-style-type: none"> <li>• STAP membership of Technical Advisory Groups (TAGs) established by GEF Secretariat to develop the Strategic Objectives and Strategic Programs for GEF-5.</li> <li>• STAP Working Group Support to Panel members contributing to the TAGs in the focal and cross-cutting areas of biodiversity, climate change, land degradation, international waters, chemicals, sustainable forest management and cross-cutting work linking natural resources management and climate change, including adaptation.</li> </ul>	May 2008 – June 2009
2.	Projects entering Project Cycle rated "satisfactory" or above for project design	Projects and programs reach acceptable standard by the time of CEO endorsement.	<ul style="list-style-type: none"> <li>• STAP Report to the GEF Council on each Work Program</li> <li>• STAP screening reports on a selective basis</li> </ul>	<p><b>Analysis of GEF portfolio in each GEF Work Program for GEF Council</b></p> <p><b>Justification:</b> Requested by GEF Secretariat, GEF Agencies</p>	<ul style="list-style-type: none"> <li>• STAP screening of all project concepts submitted as PIFs; selected projects discussed with GEF Agencies and GEF Secretariat</li> <li>• Dialogue with GEF Agencies upstream of PIF submission</li> <li>• Production of Report (in consultation with the GEF Secretariat) for each GEF Council meeting</li> </ul>	Continuous surveillance of project cycle
3.	Projects entering Project Cycle rated "satisfactory" or above for project design	GEF Secretariat and GEF Agencies provided with the best available expertise to support the new Project Cycle	<ul style="list-style-type: none"> <li>• Internet database of experts and expertise established</li> <li>• Agreements with selected organizations</li> </ul>	<p><b>STAP expert database established and populated accessible through the STAP website</b></p> <p><b>Justification:</b> Requested by UNEP and other GEF Agencies. Responds to requests to STAP to enable access by GEF partners to wider range of scientific and Technical expertise</p>	<ul style="list-style-type: none"> <li>• Time allocation from STAP Roster working group, working closely with the EO and GEF Secretariat.</li> <li>• Database development and web hosting</li> <li>• No travel costs</li> </ul>	May – November 2008
4.	GEF Secretariat and GEF Agencies reflect best available science in all	GEF Evaluation Office work on Evaluation in the	<ul style="list-style-type: none"> <li>• Evaluation methodologies include experimental and</li> </ul>	<p><b>Guideline document on Conducting Experimental Trials in the context of the GEF portfolio</b> (includes Methodology for</p>	<ul style="list-style-type: none"> <li>• STAP contribution to EO methodology, including Panel member visits to GEF</li> </ul>	January – October 2008

	GEF practices	GEF well informed by STAP	quasi-experimental approaches	experimental and quasi-experimental evaluation) <b>Justification:</b> Requested by Evaluation Office and GEF Agencies, and the Stockholm Convention	Agencies for consultations	
5.	GEF implementation rendered more effective through barrier removal	GEF programs and projects well informed through Targeted Research	<ul style="list-style-type: none"> <li>• Updated TR section of GEF Operational Manual</li> <li>• Participation by GEF Secretariat and GEF Agencies</li> </ul>	<b>Targeted Research modality reviewed and redesigned</b>  <b>Justification:</b> Requested by GEF Secretariat and GEF Agencies	<ul style="list-style-type: none"> <li>• Panel to review 1997 Principles for GEF Financing of Targeted Research, (GEF/C.9/5) and 2008 draft of TR in new GEF Operational Manual</li> <li>• Draft new guidance for TR for adoption by GEF</li> </ul>	October 2008 – February 2009

<b>CROSS-CUTTING</b>						
<b>ACT. Nr.</b>	<b>Strategic Objective and/or Expected Impacts</b>	<b>Expected Outcome</b>	<b>Means of verification of Output / Product</b>	<b>Output / Product</b>	<b>Activities / inputs</b>	<b>Time frame</b>
<b>XC# 1</b>	<b>CC - SP4 Promoting sustainable energy production from biomass; BD- SO2 To mainstream biodiversity into production landscapes/ seascapes and sectors</b>	GEF takes well informed decisions on investing in biofuels interventions in its climate change portfolio, and its biodiversity portfolio strategy and investments appropriately consider known scientific threats from biofuel development	<ul style="list-style-type: none"> <li>• Guidance document on biofuels;</li> <li>• Participation by GEF Secretariat</li> </ul>	<b>Evidence base (or state of knowledge) document on the relationship between biofuels, climate change mitigation and biodiversity</b>  <b>Justification:</b> GEFSEC has expressed interest in having STAP provide guidance to the GEF on biofuels, both investments and the implication of biofuel development on biodiversity. The importance of this issue was also raised in STAP conversations with scientists in the month leading up to the STAP meeting in April 2008 and by GEF Agency personnel at the April 2008 meeting. STAP interpretation of the requests was that there was confusion as to what the most current scientific literature had to say about the relationship between biofuels, climate change mitigation, biodiversity and land degradation, and the GEF family would benefit from a cogent summary of the state of knowledge on this relationship.	<ul style="list-style-type: none"> <li>• Panel member time to design ToR, commission and direct external experts;</li> <li>• STAP Secretariat time to set up and manage contracts; Consultation with GEF Agencies and GEF Secretariat</li> </ul>	June 2008 – January 2009
<b>XC# 2</b>	<b>CC- SO8 Adaptation to climate change; BD-SO1 To catalyze sustainability of protected area (PA) systems; Cross-cutting SP Reducing vulnerability / enhancing adaptive capacity as a result of</b>	Relevant projects across all focal areas take account of and build “climate-proofing” into project design over a designated time horizon post implementation, including the	<ul style="list-style-type: none"> <li>• STAP reports to GEF;</li> <li>• GEF Sec and GEF Agency participation</li> </ul>	<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</b>	<ul style="list-style-type: none"> <li>• STAP to provide scientific peer review support to the implementation of a consultancy let by GEFSec;</li> <li>• Panel member (all Panel Members) reviews of terms of reference;</li> <li>• Evaluating intermediate and final outputs from the activity;</li> </ul>	TBA (dates require revision after GEFSec provides schedule)

	<b>GEF projects</b>	enhancing of their adaptation benefits		<b>change</b> <b>Justification:</b> Responds to GEF Secretariat and UNEP / UNDP requests	• Ensuring that what the GEF is proposing is consistent with the latest scientific thinking	
<b>XC# 3</b>	<b>LD- Developing Generic GEF Focal Area Indicators for Natural Resources Management</b>	GEF moves towards a common set of indicators for the NRM focal areas grouping (BD, IW, LD and possibly CC adaptation))	• STAP <i>Approach Paper</i>	<b>Case made for having a common set of generic indicators of expected impacts of GEF projects in the NRM grouping</b> <b>Justification:</b> Discussed and approved at April 2008 Nairobi STAP meeting	• Panel members time to consult and draft Approach Paper • Circulation of paper and continuing discussions with Team leader of NRM at GEF Secretariat	July – September 2008
<b>XC# 4</b>	<b>SFM – SO1 To conserve and sustainably use forest biodiversity; and BD/CC/LD SP (New): Management of LULUCF as a Means to Protect Carbon Stocks and Reduce GHG Emissions</b>	GEF provides a tool for project managers to track changes in total system carbon consequent upon project investments across the NRM and CC focal areas.	• TBD (depends on outcome of project Inception Meeting)	<b>Scientific and technical rationale and methods for integrating two methods of tracking change in total system carbon.</b> <b>Justification:</b> STAP involvement in completed TR MSP on soil organic carbon modeling. STAP continuing advice on harmonizing two proposals for a carbon tracking tool using different approaches. UNEP's request to continue engagement with the executing parties at least through the Inception Stage of project.	• Panel members time to join Steering Committee • Advise IA (UNEP) and Steering Committee on harmonizing the two project components – soil organic carbon modeling and IR spectroscopy	January 2009 forwards (timing dependent on completion of Project Appraisal stage and calling of Inception Meeting)
<b>XC# 5</b>	<b>CC – SP2 Promoting energy efficiency in the industrial sector; POPs – SP3 Partnering in the demonstration of feasible, innovative technologies and best practices for POPs reduction.</b>	STAP operational guidance on BAT/BEP with GHG and POPs reduction potential and their application in GEF interventions	• STAP guidance paper; GEFSEC, GEF Agencies, Chemicals Conventions and UNFCCC participation	<b>Knowledge base on interlinkages between energy efficiency interventions and releases of unintentionally produced POPs.</b> <b>Justification:</b> This request has been expressed by SC Secretariat, GEFSEC and a number of GEF IAs. Use of energy-efficient and clean technologies in GHG-intensive sectors may have strong impact on the reduction of dioxins and furans emissions globally. Multiple benefits may exist in such sectors as municipal, medical, and hazardous waste incineration; cement, pulp and paper manufacturing; certain metals production, chemicals production, refining processes, coal-fired power and heat production, and many others. STAP will explore and recommend specific BAT/BEP with GEBs that are beneficial in terms of GHG and unintentionally produced POPs and other PTS (mercury) reductions as well as improve energy efficiency. This study should also contribute to IW focal area as it currently addresses non-SC PTS. This activity also responds to countries needs in utilizing multiple benefits of the Strategic Approach to International Chemicals	• Panel member to design ToR, commission and direct external experts; • STAP Secretariat time to set up and manage contracts; • Consultations with GEF Agencies and GEF Secretariat, presentation to the GEF Council in Feb 09	October 2008 – February 2009

				Management (SAICM)		
XC# 6	<b>POPs-SP1 Strengthening capacity for NIP development and implementation; IW-SP4 Reducing PTS and testing adaptive management of waters with melting ice; SCM-SP1 Integrating SCM in GEF projects and SP2 Articulating the chemicals related interventions supported by the GEF within countries' frameworks for chemicals management</b>	Stock-take exercise on emerging chemicals in developing countries leads to specific policy recommendations strategies in SCM for GEF-5 and beyond	<ul style="list-style-type: none"> <li>• Technical paper on emerging chemicals in developing countries with a list of policy recommendations on how to address them in GEF-5 and beyond</li> </ul>	<p><b>Science-based document on emerging chemicals in developing countries and policy advice for GEF-5 and beyond</b></p> <p><b>Justification:</b> In the POPs window GEF finances interventions related to chemicals included in SC annexes, while IW focal area finances other PTS with an emphasis on international water issues. Included in GEF-4 SCM strategic program does not have funds attached to it. COP-4 of the SC may include additional industrial chemicals on the list. During the last decade, significant amount of scientific data on the occurrence and effects of persistent chemicals in the environment was produced. Now the list of PTS includes such well-known substances as DDT and PCBs as well as heavy metals, but also extends to a number less-known endocrine disruptors and modulators, e-waste, manufactured nanomaterials and other industrial chemicals. The list of those substances is exhaustive and requires prioritization when it concerns rather limited resources in the GEF fund. This study aims at the stock-take exercise on new chemicals of concern when it applies to GEF. Among issues to be considered will be occurrence and fate in the environment, capacity needs assessment, and policy recommendations on how GEF can consider those chemicals in the framework of the SAICM.</p>	<ul style="list-style-type: none"> <li>• Panel member time to design ToR, commission and direct external experts; STAP Secretariat time to set up and manage contracts; Consultations with GEF Agencies, GEF Secretariat, GEF EO, Basel, Rotterdam and Stockholm Conventions. Paper preparation can be coordinated with the ongoing SETAC study on emerging chemicals</li> </ul>	January – March 2009

BIODIVERSITY FOCAL AREA						
ACT. Nr.	Strategic Objective and/or Expected Impacts	Expected Outcome	Means of verification of Output / Product	Output / Product	Activities / inputs	Time frame
BD# 1	<b>SO2 To mainstream biodiversity into production landscapes/seascapes and sectors; SP5 Fostering markets for biodiversity goods and services</b>	GEF projects on PES build findings of STAP's work into project design and GEF-5 strategy on PES reflects STAP recommendations.	<ul style="list-style-type: none"> <li>Guidance document indicating the ways in which the GEF can be supporting initiatives on Payments for Environmental Services (supplemented by a brief summary of the empirical evidence to date on effectiveness).</li> </ul>	<p><b>Analysis of the potential points of entry for the GEF in Payments for Environmental Services (PES) programs and implications for BD programming</b></p> <p><b>Justification:</b> STAP produces "guideline" documents on the most popular intervention types funded by the GEF for which the scientific evidence base is not well understood. PES programs are becoming increasingly popular initiatives globally and for GEF funding under SO2. Thus the GEF would benefit from a cogent guideline document that examines the ways in which the GEF can most effectively invest in PES programs and the explicit assumptions underlying different investment options</p>	<ul style="list-style-type: none"> <li>Panel member time to design ToR, commission and direct external experts; STAP Secretariat time to set up and manage contracts; Consultation with GEF Agencies and GEF Secretariat</li> </ul>	April-September 2008
BD# 2	<b>SO1 Conservation and Sustainable Use of Forest Biodiversity SO2: Sustainable management and use of forest resources</b>	GEF projects including on Sustainable Forest Management, LULUCF and protected area support build findings of STAP's work into project design	<ul style="list-style-type: none"> <li>Guidance document on community forest management</li> </ul>	<p><b>Evidence base document for community forest management impacts on global environmental benefits.</b></p> <p><b>Justification:</b> STAP produces "guideline" documents on the most popular intervention types funded by the GEF for which the scientific evidence base is not well understood. Community-based Forest Management was selected because the SFM and Tropical Forest Account initiatives will likely be funding CFM initiatives (based on SFM PIFs submitted last year) and thus the GEF would benefit from a cogent summary of the state of knowledge on the relationship between CFM and the generation of global environmental benefits</p>	<ul style="list-style-type: none"> <li>Panel member time to design ToR, commission and direct external experts</li> <li>STAP Secretariat time to set up and manage contracts</li> <li>Consultation with GEF Agencies and GEF Secretariat</li> </ul>	June 2008 – February 2009
BD# 3	<b>SO1 To catalyze sustainability of protected area (PA) systems; SO2 To mainstream biodiversity into production landscapes/seascapes and sectors; IW-SP1 Restoring and</b>	Marine protected area support build findings of STAP's work into project design.	<ul style="list-style-type: none"> <li>Guidance document on marine protected area evidence base</li> </ul>	<p><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</b></p>	<ul style="list-style-type: none"> <li>Panel member time to design ToR, commission and direct external experts;</li> <li>STAP Secretariat time to set up and manage contracts;</li> <li>Consultation with GEF Agencies and GEF Secretariat</li> </ul>	August – December 2008



	<p><b>sustaining coastal and marine fish stocks and associated biological diversity</b></p>			<p><b>the evidence base on MPA management</b></p> <p><b>Justification:</b> STAP produces “guideline” documents on the most popular intervention types funded by the GEF for which the scientific evidence base is not well understood. Encouraging the establishment of effectively managed MPAs is a strategic program for GEF-4 and likely to exist as a goal in some form in GEF-5. Despite the popularity of MPAs, the evidence base is unclear, particularly in tropical regions of the world. Thus the GEF would benefit from a cogent summary of the state of knowledge on the relationship between MPAs and the generation of global environmental benefits, and the way in which the GEF can contribute to the evidence base through its project designs</p>		
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CLIMATE CHANGE FOCAL AREA						
ACT. Nr.	Strategic Objective and/or Expected Impacts	Expected Outcome	Means of verification of Output / Product	Output / Product	Activities / inputs	Time frame
CC# 1	All CC SPs reviewed and proposed CC SPs for GEF-5 defined for review in GEF TAGs	<p>Relevance and effectiveness of GEF-4 Strategic Objectives and Programs in the context of new science, economics and policy context.</p> <p>Specific suggestions accepted on each of the six GEF Strategic Programs Role defined for the existing GEF-4 Strategic Programs in the new science and policy context including Bali Action plan</p>	<ul style="list-style-type: none"> <li>• Report prepared</li> <li>• Expert meeting convened</li> <li>• Acceptance of report by GEF Secretariat for building into the work of Technical Advisory Groups</li> </ul>	<p><b>Recommendations for GEF- 5 Strategic Objectives and Programs; a science-based analysis for the Climate Change Focal Area</b></p> <p><b>Justification:</b> Proposed by STAP, approved by GEF Secretariat. Reasons why there is a need for re-examination of GEF Strategic Objectives (SO) and Strategic Programs (SP): include new knowledge or science from IPCC,2007, MEA, GEO-4, IEA, and Journals and the demands of agreements and challenges of emerging issues.</p> <p>For these reasons STAP proposes to undertake a stepwise review to develop its advice to the GEF on the need for changes to GEF strategies, justified by the available scientific and technical evidence.</p>	<p>STAP member time and Secretariat support to:</p> <ul style="list-style-type: none"> <li>• Review of GEF-4 climate change and related strategies in the context of major drivers of change</li> <li>• Consider the available scientific evidence on the state of the art of mitigation and adaptation technologies</li> <li>• Consider criteria to justify GEF investment going into GEF-5</li> <li>• Assess the extent to which GEF-4 strategies and programs should be extended into GEF-5</li> <li>• Explore public-private partnership in promoting climate mitigation technologies</li> <li>• Consider the sectoral emission reduction opportunities</li> <li>• Take on board the emerging discussions at UNFCCC</li> <li>• Suggest additional strategic objectives and programs for GEF-5, based on the scientific evidence</li> <li>• Propose an outline for GEF-5 strategic programming based on the preceding reviews and analysis</li> <li>• Convene a review meeting</li> </ul>	August 2008 to January 2009
CC# 2	REDD and SFM related Strategic Programs for GEF-5 defined; in the context of Bali Action Plan and new science	<p>STAP analysis accepted by GEF regarding relevance of GEF-4 Strategic Programs on LULUCF and SFM to addressing Bali Action Plan</p> <p>Criteria accepted for</p>	<ul style="list-style-type: none"> <li>• Paper on REDD, Forest Conservation and Sustainable Forest Management;</li> <li>• Expert meeting convened</li> <li>• Final paper made available to GEF</li> </ul>	<p><b>REDD, Forest Conservation and Sustainable Forest Management; Options for GEF-5</b></p> <p><b>Justification:</b> Proposed by STAP, accepted by GEF Secretariat. There is need for a rethink on the GEF-4 Strategic Programs on LULUCF and plan for GEF-5. The rationale for reconsideration of the current Program and search for an</p>	<ul style="list-style-type: none"> <li>• STAP member for climate change convenes STAP members for Biodiversity and Land Degradation Panel, GEF Secretariat Climate Change staff and selected IPCC Authors and Experts</li> <li>• STAP member for climate change member prepares draft paper for circulation</li> </ul>	August 2008 to February 2009

		<p>selecting Strategic Programs for GEF-5; keeping in mind the new science, Bali Action Plan and GEF requirements</p> <p>Estimates of global environmental benefits of the proposed Strategic Programs for GEF-5 built into indicator framework for GEF-5</p>		<p>approach for GEF-5 stems from the following.</p> <ul style="list-style-type: none"> <li>- Firstly, the current GEF Strategic Programme-6 (Management of Land Use, Land-use Change and Forestry as means to Protect Carbon Stocks and Reduce GHG Emissions and Sustainable Forest Management Program) have not attracted the attention of governments and implementing agencies</li> <li>- Secondly, the GEF-4 forestry Programs may not directly address the action points required on issues raised in the Bali Action Plan on REDD, Forest Conservation and Sustainable Management of forests</li> <li>- Thirdly, new science has emerged from IPCC, MEA and GEO-4 on mitigation of climate change from land use and forest sectors.</li> </ul>	<p>among STAP</p> <ul style="list-style-type: none"> <li>• Review meeting convened to define the boundaries of REDD, LULUCF and SFM</li> </ul>	
CC# 3	All CC SPs reviewed for regionally specific impacts	<p>Region-specific GEF strategic Programs accepted for further analysis and debate based on criteria:</p> <ol style="list-style-type: none"> <li>a. Differing mitigation potential and opportunities</li> <li>b. Cost-effectiveness and global benefit for different levels of investment</li> <li>c. Transaction cost, barriers and potential policy options for removal of barriers</li> </ol>	<ul style="list-style-type: none"> <li>• Exploratory Paper produced by expert group</li> <li>• Expert meeting convened</li> <li>• Final paper made available to GEF</li> </ul>	<p><b>Regionalization of GEF portfolio and Strategic programs: Exploratory Paper towards GEF-5</b></p> <p><b>Justification:</b> proposed by STAP, accepted by GEF Secretariat.</p> <p>The GEF Strategic Programs under GEF-4, as well as under previous stages, are at global level. The scientific knowledge is increasingly showing that there are vast regional (continental and sub-continental) differences in mitigation opportunities, technologies, potential and costs. Further, the barriers to the mitigation activities, policies to promote mitigation activities and even the transaction costs for implementing the mitigation projects vary regionally. Emerging GEF-5 provides an opportunity to examine the rationality and feasibility of regionalization of future GEF Strategic Programs for maximizing global environmental benefits (such as CO2 emissions reduction) for a given level of investment.</p>	<p>Panel Member to prepare an exploratory report in consultation with GEFSec, which will:</p> <ul style="list-style-type: none"> <li>• Assess the spread of each of the GEF-4 Strategic Programmes, in climate change focal area, in different continents and sub-regions within a continent</li> <li>• Consider changing GHG emission profiles of Developing Countries</li> <li>• Assess the current and projected GHG emissions from different sectors and sources as an indicator of potential mitigation opportunities regionally</li> <li>• Assess and rank the dominant mitigation sectors and options or technologies for different continents and sub-regions within a continent</li> <li>• Estimate the mitigation potential of the dominant mitigation options in different sectors for different continents and sub-regions within a continent</li> <li>• Estimate the mitigation costs or cost-effectiveness of</li> </ul>	August 2008 to February 2009

					different mitigation options and technologies for different continents and sub-regions within a continent	
CC# 4	<b>SP4 Promoting sustainable energy production from biomass</b>	GEF takes well informed decisions on investing in biofuels interventions	<ul style="list-style-type: none"> <li>• See UNEP MSP for project indicators</li> <li>• Participation of STAP in project steering committee</li> </ul>	<p><b>UNEP MSP on biofuels implemented with additional guidance provided by STAP</b></p> <p><b>Justification:</b> Requested by GEF Secretariat (CC), and suggested by STAP</p>	<ul style="list-style-type: none"> <li>• Supportive function to implementation of UNEP MSP on biofuels</li> <li>• STAP serving on the steering committee, evaluating interim outputs and final outputs to make sure that what is received from the Biofuels TR project is first-rate and precisely represents best scientific understanding and practice</li> </ul>	May 2008 onwards through project implementation period

INTERNATIONAL WATERS FOCAL AREA						
ACT. Nr.	Strategic Objective and/or Expected Impacts	Expected Outcome	Means of verification of Output / Product	Output / Product	Activities / inputs	Time frame
IW#1	<b>RAF and IW: Assist GEF-Sec prepare for possible RAF application to IW area</b>	<ul style="list-style-type: none"> <li>Mechanisms to determine IW Global Benefits Index for countries, based on information on LMEs, surface freshwaters and groundwater systems.</li> <li>Regardless of whether RAF implemented for IW, improved mechanisms for enabling priority setting for IW focal area.</li> </ul>	<ul style="list-style-type: none"> <li>Approaches developed for each of the 3 main types of waters: LMEs, surface freshwater systems, groundwaters.</li> <li>Country example calculated for each system</li> <li>Preliminary examination of how to combine the system measures to develop a GBI national value.</li> </ul>	<p><b>Three Approach Papers and a method for integrating indicators at the country level.</b></p> <p>STAP will oversee the paper on surface freshwaters, assist with the oversight of the other papers and the integration framework</p> <p><b>Justification:</b> Requested by the GEF Secretariat. GEF has allocated funds for BD and CC to countries according to the Resource Allocation Framework (RAF). The Council may decide to allocate funds for other focal areas according to a RAF also and IW needs to be prepared should this happen. In the event that the RAF is not applied to GEF-IW, the exercise will assist in developing overviews of the potential global environmental benefits from different water systems at the country level.</p>	<ul style="list-style-type: none"> <li>Design ToRs for surface freshwater systems work; assist GEF Sec as requested with other approach papers.</li> <li>Supervise surface freshwater study and development of approach paper</li> <li>Convene a peer review workshop and work with contractors and GEF Sec on methods to integrate results of three approach papers</li> </ul>	Contract let September 2008; Workshop convened December 2008
IW#2	<b>SP2 Reducing nutrient over-enrichment and oxygen depletion from land-based pollution of coastal waters in LMEs</b> (with linkage to Land Degradation focal area) Science base of GEF interventions strengthened. Science base of GEF interventions strengthened.	STAP operational guidance on tools, adaptive management and monitoring for "dead zones"	<ul style="list-style-type: none"> <li>STAP guidance paper</li> <li>GEF Sec and GEF Agency participation</li> </ul>	<p><b>STAP report on Dead Zones</b></p> <ul style="list-style-type: none"> <li>to classify the typology (e.g. eco-geography) of coastal water "dead" zones at a global LME level</li> <li>to identify spatio-temporal variability of coastal water "dead" zones at a regional level</li> <li>to examine the effects of coastal "dead" zone on marine system in terms of damage of spawning and hatching grounds and feed-backs to fishery and economic and social development - to explore how to foster implementation of legacy and policy at institutional and national levels consistent with GEF transboundary action programs and design requirements for the action plan to reduce land-source input of nutrients.</li> </ul> <p><b>Justification:</b> Requested by GEF Secretariat</p> <ul style="list-style-type: none"> <li>Increasing occurrence of "dead zones" in oceans</li> </ul>	<ul style="list-style-type: none"> <li>STAP expert group meeting in collaboration with UNEP GPA</li> <li>STAP background analysis paper</li> </ul>	September 2008 to August 2009
IW#3	<b>SP1, 2, 3 &amp; 4: 2009 GEF-IW conference</b>	Greater awareness by GEF projects and	<ul style="list-style-type: none"> <li>Successful session on cutting edge</li> </ul>	<b>Design of session on technologies for GEF-IW projects at GEF-IW 2009</b>	<ul style="list-style-type: none"> <li>Canvass possible technologies to showcase, project needs,</li> </ul>	September 2008 to

	<b>session on IW monitoring technologies</b>	GEF agencies of the latest technologies for monitoring (living organisms, water quality, etc)	technologies relevant to GEF project interests (genetic, remote sensing, tagging, etc)	<b>conference</b> Presentations, PPTs, contacts relevant to technologies for the projects	design session, invite speakers • Attend GEF-IW Conference	August 2009
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<b>PERSISTENT ORGANIC POLLUTANTS (POPS) FOCAL AREA</b>						
<b>ACT. Nr.</b>	<b>Strategic Objective and/or Expected Impacts</b>	<b>Expected Outcome</b>	<b>Means of verification of Output / Product</b>	<b>Output</b>	<b>Activities / inputs</b>	<b>Time frame</b>
<b>POP S#1</b>	<b>SP3 Partnering in the demonstration of feasible, innovative technologies and best practices for POPs reduction and substitution</b>	Practice guide is used by the GEF family as a reference in designing GEF projects that have POPs disposal component(s). Improved understanding and benefits and limitations of particular technological options.	<ul style="list-style-type: none"> <li>• “Good practice” guide on the application of POPs disposal in developing countries and successfully completed final workshop with the wider (than GEF family) audience.</li> </ul>	<p><b>Practice guide on combustion and emerging non-combustion technologies for POPs in developing countries</b></p> <p><b>Justification:</b> In 2003 STAP produced a “Review of Emerging, Innovative Technologies for the Destruction and Decontamination of POPs and the Identification of Promising Technologies for Use in Developing Countries”. As GEF-4 entered the phase of NIP implementation, the need for the up-to-date understanding of existing combustion and non-combustion technologies and their applicability in particular situations among GEF agencies and in the GEFSEC is increasing. Share of GEF projects dealing with POPs disposal will increase in the future as analysis of the current POPs portfolio shows. STAP will develop specific criteria for selecting technologies for POPs disposal in GEF projects when it applied in developing countries and recommend a set of most cost-effective management options for POPs disposal. There may not be “one size fits all” approach, but the practice guide will provide a matrix-based solution for selecting particular types of disposal options. This work will build on the existing guides and manuals dealing with POPs disposal produced by UN agencies, MEAs, and other environmental institutions)</p>	<ul style="list-style-type: none"> <li>• Panel member time to design ToR for experts;</li> <li>• STAP Secretariat time to set up and manage contracts and final workshop logistics;</li> <li>• international workshop to discuss Practice Guide and develop recommendations;</li> <li>• final guide produced by STAP Secretariat</li> </ul>	November 2008 - May 2009
<b>POP S#2</b>	<b>A pragmatic set of indicators in POPs FA that can be used in designing a Global Benefits Index (GBI) for POPs FA</b>	Science-based justification and selection of indicators for POPs FA to be used in possible RAF	<ul style="list-style-type: none"> <li>• Indicators approach paper describing review of available datasets and assessments and to advise on the availability of spatial</li> </ul>	<p><b>Guidance document on the use of indicators for allocating resources in POPs FA for GEF-5</b></p> <p><b>Justification:</b> Requested by the GEF Secretariat. STAP will assist in producing a set of indicators that can be used in</p>	<ul style="list-style-type: none"> <li>• In close consultation with the GEFSEC, Panel member will be responsible for developing TOR and proposing expert team for the task.</li> <li>• Expert contracts will be managed by GEFSEC.</li> </ul>	November 2008 – June 2009

			<p>and qualitative information that can be used for development of GBI for POPs.</p> <ul style="list-style-type: none"> <li>• Paper should conclude with the set of proposed indicators that can be utilized to estimate country's allocations.</li> </ul>	<p>developing GBI in POPs FA. The indicators should reflect upon best available science about POPs sources, sinks, and transport. They should also consider to the extent possible synergies of applying SAICM principles in POPs-targeted interventions.</p>	<ul style="list-style-type: none"> <li>• STAPSEC – to provide logistical support. STAP may co-finance a workshop to discuss outputs of the activity.</li> </ul>	
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LAND DEGRADATION FOCAL AREA						
ACT. Nr.	Strategic Objective and/or Expected Impacts	Expected Outcome	Means of verification of Output / Product	Output / Product	Activities / inputs	Time frame
LD# 1	<b>SO1 To develop an enabling environment that will place Sustainable Land Management (SLM) in the mainstream of development policy and practices at the regional, national, and local levels</b>	Guidance documents used by GEF Agencies in developing cross-cutting actions.	<ul style="list-style-type: none"> <li>• STAP synthesis paper</li> <li>• Completion of review and revisions of three STAP papers;</li> <li>• Publication in GEF/STAP series</li> </ul>	<b>(1) Global Impacts of Land Degradation</b> <b>(2) The Millennium Ecosystem Assessment (MA) Methodology and Land Degradation</b> <b>(3) The Trade-offs Between Sustainable Land Management, Global Environmental Concerns and Local Socio-Economic Impacts</b>  <b>Justification:</b> Requested by GEF Secretariat	<ul style="list-style-type: none"> <li>• Final review, editing and publication preparation of studies – Panel member time supported by STAP Secretariat</li> </ul>	May – November 2008 (re-scheduled)
LD# 2	<b>All SPs under Land Degradation and refinement of indicators for SLM impact</b>	STAP mediated advice to the Medium Size Project “Ensuring impacts from SLM - Development of a Global Indicator System” enhances the delivery of expected project outcomes	<ul style="list-style-type: none"> <li>• KM: Land inception meetings and working group</li> <li>• External review of project commissioned by STAP</li> <li>• Follow up advice to project based upon review and liaison with UNDP and GEFSec</li> </ul>	<b>STAP reviews and contributes to KM Land MSP outputs</b>  <b>Justification:</b> Requested by GEF Secretariat in agreement with UNDP	<ul style="list-style-type: none"> <li>• Travel and time for STAP LD panelist for meetings and inputs</li> <li>• STAP Secretariat letting of contracts and management</li> </ul>	May – October 2008 (re-scheduled)
LD# 3	<b>RAF application to the LD FA, based upon STAP studies and work with other agencies.</b>	Definition of indicators to be used for allocating GEF-5 LD resources to countries	<ul style="list-style-type: none"> <li>• Short guidance papers</li> <li>• Inputs to LD TAG for GEF-5</li> </ul>	<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</b>  <b>Justification:</b> requested by GEF Secretariat	<ul style="list-style-type: none"> <li>• Support GEFSec and agencies in responding to demands for a new way of allocating LD available funds that will accurately reflect demand and need</li> <li>• discussions with LD TAG, KM: Land executing agency and institutions involved with GLADA (FAO: ISRIC)</li> </ul>	Awaiting guidance from GEF on extension of RAF to LD. Planned to proceed in parallel with GEF-5 strategic planning
LD# 4	<b>Global environmental benefits of land degradation control, based on STAP studies</b>	Definitive information on the extent to which LD/SLM investments can derive global environmental benefits	<ul style="list-style-type: none"> <li>• Policy Brief produced and circulated electronically and in printed format at GEF meetings</li> </ul>	<b>Guidance on the benefits of investing in the LD focal area and in SLM</b>  <b>Justification:</b> Requested by UNDP and GEF Secretariat	<ul style="list-style-type: none"> <li>• Writing, editing and professional production of STAP-GEF Policy Brief</li> </ul>	August - October 2008



**Table 2. "Shadow" listing of requests remaining to be scheduled within the Work Program for FY09**

Note that the following STAP tasks have not been allocated resources for delivery within the GEF financial year 2009, or have not yet been tested fully with GEF partners, before their possible transfer into the active section of the Work Program.

<b>CORPORATE</b>						
<b>ACT. Nr.</b>	<b>Strategic Objective and/or Expected Impacts</b>	<b>Expected Outcome</b>	<b>Means of verification of Output / Product</b>	<b>Output / Product</b>	<b>Activities / inputs</b>	<b>Time frame</b>
	GEF Secretariat and GEF Agencies reflect best available science in all GEF practices	GEF Evaluation Office work on Role of Science in the GEF well informed by STAP	<ul style="list-style-type: none"> <li>• STAP Working Group report</li> <li>• STAP advice on role of science in the GEF accepted by the Evaluation Office</li> </ul>	<p><b>STAP review report on the role of science in the GEF</b></p> <p>Provided to the GEF Evaluation Office</p> <p><b>Justification:</b> Requested by the Evaluation Office</p>	<ul style="list-style-type: none"> <li>• STAP participation in Role of Science review</li> </ul>	To be set
	To be determined	TBA	<ul style="list-style-type: none"> <li>• TBA</li> </ul>	<p>Guidance and advice on cost-effective and innovative approaches for gathering data and information that can be used in setting baselines and tracking progress.</p> <p><b>Justification:</b> Requested by Stockholm Secretariat</p>	<ul style="list-style-type: none"> <li>• Panel member</li> </ul>	To be set

<b>CROSS-CUTTING</b>						
<b>ACT Nr.</b>	<b>Strategic Objective and/or Expected Impacts</b>	<b>Expected Outcome</b>	<b>Means of verification of Output / Product</b>	<b>Output / Product</b>	<b>Activities / inputs</b>	<b>Time frame</b>
	To be completed	TBA	<ul style="list-style-type: none"> <li>• Build on an MSP proposed by UNEP to GEFSEC</li> </ul>	<p><b>Environment change-induced migration as a result of Climate Change on Natural Resource Management (cross-cutting)</b></p> <p><b>Justification:</b> Suggested by UNEP and Panel member; to be tested by Task Forces in LD and CC</p>	<ul style="list-style-type: none"> <li>• TBC</li> </ul>	To be set
	To be completed	TBA	<ul style="list-style-type: none"> <li>• TBA</li> </ul>	<p><b>Tools and methods to look at specific place based impacts of Climate Change on a given ecosystem (cross-cutting)</b></p> <p><b>Justification:</b> Suggested by Panel member; to be tested by Task Forces on CC, BD, LD</p>	<ul style="list-style-type: none"> <li>• TBC</li> </ul>	To be set

<b>BIODIVERSITY FOCAL AREA</b>						
<b>ACT. Nr.</b>	<b>Strategic Objective and/or Expected Impacts</b>	<b>Expected Outcome</b>	<b>Means of verification of Output / Product</b>	<b>Output / Product</b>	<b>Activities / inputs</b>	<b>Time frame</b>
	<b>SO2 Mainstream Biodiversity in</b>	GEF Secretariat and GEF Agencies fully	<ul style="list-style-type: none"> <li>• Seminar held, attended by GEF Sec and GEF</li> </ul>	<p><b>Mainstreaming report.</b> Seminar Report used to assist project design and to inform</p>	<ul style="list-style-type: none"> <li>• STAP paper commissioned from expert</li> </ul>	

	<p><b>production landscapes/seascapes SP4 mainstreaming biodiversity</b></p> <p>Projects entering project cycle in the Biodiversity focal area take fully into account benefits of mainstreaming of biodiversity. (with linkage to Land Degradation and International Waters focal areas)</p>	<p>aware of the role of biodiversity mainstreaming, and of ecosystem benefits and linkages to land degradation and international waters.</p> <p>Project design guidance of all GEF Agencies reflect best practices</p>	<p>Agencies</p> <ul style="list-style-type: none"> <li>• Seminar Report</li> </ul>	<p>lessons learnt</p> <p><b>Justification:</b> Requested by GEF Secretariat</p>	<ul style="list-style-type: none"> <li>• Directed Writing group convened on mainstreaming biodiversity in freshwater and marine productive seascapes</li> </ul>	To be set
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CLIMATE CHANGE FOCAL AREA						
ACT. Nr.	Strategic Objective and/or Expected Impacts	Expected Outcome	Means of verification of Output / Product	Output / Product	Activities / inputs	Time frame
	SP4 Promoting sustainable energy production from biomass	Updated guidance used to screen incoming projects proposing biofuel initiatives	<ul style="list-style-type: none"> <li>• Build on Global Bioenergy MSP (UNEP, FAO, UNIDO)</li> </ul>	<p><b>Biofuels and Bioenergy – the role of the GEF</b></p> <p><b>Justification:</b> Proposed by Panel member, N.H. Ravindranath as a follow-up to the previous STAP work on Liquid Biofuels and to update the science</p>	<ul style="list-style-type: none"> <li>• Panel member led review of past STAP work</li> <li>• Convening working group with GEF Agencies and selected experts</li> </ul>	To be set
	All CC SPs		<ul style="list-style-type: none"> <li>• STAP report</li> <li>• GEF Sec and GEF Agency participation</li> </ul>	<p><b>Report on Mitigation and Adaptation Synergy in GEF Programs</b></p> <p><b>Justification:</b> Proposed by Panel member, N.H. Ravindranath, accepted by GEF Secretariat for input to the strategy review process</p>	<ul style="list-style-type: none"> <li>• Panel member produced review paper on M&amp;A synergy in the GEF portfolio</li> <li>• Consultation with GEF Agencies on drafts</li> </ul>	To be set

INTERNATIONAL WATERS FOCAL AREA						
ACT. Nr.	Strategic Objective and/or Expected Impacts	Expected Outcome	Means of verification of Output / Product	Output / Product	Activities / inputs	Time frame
	SP4: Melting Ice – identify a lead to get some work started	Identification of appropriate start to work on SP4	<ul style="list-style-type: none"> <li>• Project identified and lead GEF agency identified</li> </ul>	<p><b>Approach Paper on Melting Ice</b></p> <p><b>Justification:</b> SP4 is part of the approved GEF-4 program in IW but to date no projects have been submitted to address it. Preparatory work is needed to generate ideas and possible sites and agencies to</p>	<ul style="list-style-type: none"> <li>• Panel Member to draft ToR and identify expert to write approach paper</li> <li>• With GEF Sec, STAP to oversee preparation of approach paper</li> </ul>	To be set

				undertake projects.		
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PERSISTENT ORGANIC POLLUTANTS (POPS) FOCAL AREA						
ACT. Nr.	Strategic Objective and/or Expected Impacts	Expected Outcome	Means of verification of Output / Product	Output / Product	Activities / inputs	Time frame
				NO PRODUCTS PLANNED		

LAND DEGRADATION FOCAL AREA						
ACT. Nr.	Strategic Objective and/or Expected Impacts	Expected Outcome	Means of verification of Output / Product	Output / Product	Activities / inputs	Time frame
	<b>SO2 upscaling SLM investments.</b> Strategic programming on 'production landscapes' (jointly with SFM)	STAP operational guidance on 'upscaling' approaches within 'production landscapes'	<ul style="list-style-type: none"> <li>• STAP guidance paper on 'upscaling'</li> <li>• Inter-agency participation through LD Task Force (or successor grouping of IAs/EAs)</li> <li>• Guidance accepted by IA-TF (or equivalent) and GEF Sec</li> </ul>	<b>Guidance on upscaling SLM in the wider production landscape</b>  <b>Justification:</b> Requested by GEF Secretariat and responds to the need to more precisely define what "upscaling" means for implementation of SO2	<ul style="list-style-type: none"> <li>• STAP network discussion</li> <li>• Half-day seminar</li> </ul>	To be set
	<b>SP3 New and innovative approaches in SLM</b> Part of support for strategy discussion preparations towards GEF-5	Revised listing of priority topics and themes. Elaboration of possible approaches and identification of agencies to take SP3 forward	<ul style="list-style-type: none"> <li>• STAP Working Group</li> <li>• STAP Targeted Research Committee</li> </ul>	<b>Recommendations on thematic topics under SP3 and outline ToRs for each theme</b>  <b>Justification:</b> Requested by GEF Secretariat	<ul style="list-style-type: none"> <li>• STAP Working Group and TR Committee time</li> <li>• Possible meeting at GEF Sec</li> </ul>	To be set

SUSTAINABLE FOREST MANAGEMENT						
ACT. Nr.	Strategic Objective and/or Expected Impacts	Expected Outcome	Means of verification of Output / Product	Output / Product	Activities / inputs	Time frame
				NO PRODUCTS PLANNED		