

Scientific and Technical Advisory Panel

The Scientific and Technical Advisory Panel, administered by UNEP, advises the Global Environment Facility
(Version 5)

STAP Scientific and Technical screening of the Project Identification Form (PIF)

Date of screening: March 09, 2015
Screener: Kristie Ebi
Panel member validation by: Anand Patwardhan
Consultant(s):

I. PIF Information (*Copied from the PIF*)

FULL SIZE PROJECT	LEAST DEVELOPED COUNTRIES FUND
GEF PROJECT ID:	8014
PROJECT DURATION:	4
COUNTRIES:	Lesotho
PROJECT TITLE:	Climate Change Adaptation for Sustainable Rural Water Supply in Lowlands Lesotho
GEF AGENCIES:	AfDB
OTHER EXECUTING PARTNERS:	
GEF FOCAL AREA:	Climate Change

II. STAP Advisory Response (*see table below for explanation*)

Based on this PIF screening, STAP's advisory response to the GEF Secretariat and GEF Agency(ies):
Concur

III. Further guidance from STAP

STAP welcomes the AfDB proposal "Climate change adaptation for sustainable rural water supply in lowlands Lesotho." The proposal aims to improve the livelihoods of the communities of south western lowlands facing challenges caused by climate change through better water resource management. The project will be implemented in parallel with Lesotho: Lowlands Rural Water Supply and Sanitation Project (LRWSSP). The PIF provides a broad overview of the proposed project.

STAP looks forward to further details in the full proposal. Issues that should be addressed in the full proposal include:

1. The strong connection with LRWSSP means it will be important to have a more detailed description of how the projects will be coordinated and to ensure overlaps are minimized. It also would be helpful to have further information on how the proposed project will coordinate with other on-going projects, such as the LDCF project "Strengthening capacity for climate change adaptation through support to integrated watershed management."
2. STAP would appreciate information on how climate risks will be determined, including under what scenarios, projections, and time frames. STAP would appreciate fuller details on which climate change projections will be used in the proposed project, including the time frame(s) of interest and why particular model(s) were chosen. It would be helpful to know who will choose the models and how the projections will be communicated to the stakeholders. It also would be helpful to incorporate different possible future socioeconomic development pathways when considering which adaptation options could be more resilient in coming decades.
3. STAP also would appreciate information on how

- a. Community readiness will be measured, monitored, and evaluated;
 - b. Water supply resilience will be measured, monitored, and evaluated;
 - c. Adaptation options will be determined to be appropriate;
 - d. Training will be conducted to raise awareness and increase technical capacity; and
 - e. How lessons learned will be determined and disseminated.
4. STAP welcomes the intent for wide stakeholder participation and looks forward to further information on how stakeholder engagement will be incorporated into project design and conduct. STAP also welcomes the intent to support participation in adaptation practitioners' events within and outside the country.
5. STAP encourages AfDB to ensure the flood/drought early warning system include a strong response component developed in collaboration with stakeholders. The Lesotho second national communication highlighted the need for a comprehensive early warning system for the health sector. STAP looks forward to reading how the proposed project will contribute to achieving this.
6. The full project proposal would benefit from details on the policies, regulations, and planning guidelines into which climate risks will be integrated.
7. STAP appreciates that the Ministry of Health will assign a hygiene focal point to be a member of the project implementation team. Such a focal point can help ensure that water resource systems not be sources of health risks. Further, any technical training could include a component to raise awareness of the potential health impacts of water management.
8. The full project proposal should provide a detailed description of the monitoring and evaluation plan. It also would be helpful to have details of the dissemination plan for the lessons learned.
9. STAP encourages including an explicit activity to develop a plan for scaling-up, including the amount of human and financial resources required.
10. STAP appreciates the comprehensive efforts to include gender throughout the PIF and looks forward to further development of this aspect in the full project proposal.

<i>STAP advisory response</i>	<i>Brief explanation of advisory response and action proposed</i>
1. Concur	In cases where STAP is satisfied with the scientific and technical quality of the proposal, a simple "Concur" response will be provided; the STAP may flag specific issues that should be pursued rigorously as the proposal is developed into a full project document. At any time during the development of the project, the proponent is invited to approach STAP to consult on the design prior to submission for CEO endorsement.
2. Minor issues to be considered during project design	<p>STAP has identified specific scientific /technical suggestions or opportunities that should be discussed with the project proponent as early as possible during development of the project brief. The proponent may wish to:</p> <p>(i) Open a dialogue with STAP regarding the technical and/or scientific issues raised.</p> <p>(ii) Set a review point at an early stage during project development, and possibly agreeing to terms of reference for an independent expert to be appointed to conduct this review.</p> <p>The proponent should provide a report of the action agreed and taken, at the time of submission of the full project brief for CEO endorsement.</p>
3. Major issues to be considered during project design	<p>STAP proposes significant improvements or has concerns on the grounds of specified major scientific/technical methodological issues, barriers, or omissions in the project concept. If STAP provides this advisory response, a full explanation would also be provided. The proponent is strongly encouraged to:</p> <p>(i) Open a dialogue with STAP regarding the technical and/or scientific issues raised; (ii) Set a review point at an early stage during project development including an independent expert as required.</p> <p>The GEF Secretariat may, based on this screening outcome, delay the proposal and refer the proposal</p>

	<p>back to the proponents with STAP's concerns.</p> <p>The proponent should provide a report of the action agreed and taken, at the time of submission of the full project brief for CEO endorsement.</p>
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