

UNIDO GEF Annual Monitoring Report FY 2018

Response ID:165 Data

1. UNIDO GEF Annual Monitoring Report II FY 2018

1. GEF ID:

6993

New Analysis Question

2. UNIDO SAP ID:

140312

3. GEF Replenishment Cycle:

GEF-6

4. GEF Focal area:

Multi-Focal Area (MFA)

5. Integrated Approach Pilot (IAP) Programs (only for GEF-6 projects, if applicable)

6. UNIDO PTC Department:

Department of Energy (ENE)

7. Project Title: (*as per approved CEO Endorsement document*)

Integrated Solutions for Water, Energy, and Land

8. UNIDO Project Manager:

First name : Robert

Last name : Novak

9. Project Manager's email:

r.novak@unido.org

10. Please state the geographical location(s) of the project:

Please select one:

Global

11. Please provide a project summary: (*approx. 300 words*)

The overall goal of the project is to develop tools and capacities to support the sustainable management of water, energy and land, through the development of a truly integrated "nexus approach". The project takes a global approach, but it also focuses in on two trans boundary basins facing multiple development and environmental challenges: The Indus and the Zambezi basins.

The global assessment seeks to develop an integrated view of the risks that different regions of the world might face to meet key water, energy and land-related development and environmental targets, and the exposure and vulnerability of world populations to them. In addition, the project seeks to identify strategies and solutions for achieving sustainable pathways for water, energy, and land (WEL) taking into account a range of possible climate and socio-economic futures. Dissemination of the global outcomes is carried out through the development of web-visualization tools, and a wide range of publications including policy briefs, policy reports and peer review

papers. These outcomes are expected to support international organizations and donors in identifying investment risks and opportunities, support global policy making, and more widely contribute to the scientific debate on sustainable development pathways.

2. Global Environmental Objectives (GEOs) / Development Objectives (DOs)

12. Please state the progress made in FY 2018 in achieving the intended Global Environmental Objectives / Development Objectives.

Please state the **progress rating of GEOs/DOs** (as per the rating filled in AMR Part I):

Satisfactory (S)

Please state the **progress made in the current FY in achieving the outlined GEOs/DOs**.

During the past 12 months, progress on the global assessment included: further development of the global hotspot work presented last year, completion of the global AMF and one first application to assess global transformation pathways for some WEL related Sustainable Development Goals (SDGs). On the former, global hotspot work has now being expanded to assess the multi-sectoral risks and vulnerability exposure of the 275 major river basins across the world. In terms of impact and operationalization, the global hotspot assessment carried out last year has been featured in the IPCC Special Report on Global Warming of 1.5°C. Dissemination of this work includes a web-interphase "hotspots explorer", currently in development that will also made freely available all the underpinning datasets.

3. Implementation progress

13. Project Objectives and Progress

Please state the **implementation progress rating** (as per the rating filled in AMR Part I):

Satisfactory (S)

Please state the **implementation progress made for this FY**.

The project is continuing to make good progress. Overall the work is in line with the work plan of the proposal and updates discussed. The details of the outputs obtained for the current year are:

Component 1:

- * Indus Scenario Workshops
- * Zambezi Scenario Workshop
- * Three scenario narratives describing future visions and regional change pathways per above basins
- * One global and two basin assessment nexus tools developed

Component 2:

- * Summary of key sectoral transboundary challenges for each basin developed
- * Working paper published on Sustainable Transformation Pathways for achieving SDG 6,7, 12 and 15.

Component 3:

Zambezi Basin:

- * Second consultation (scenario workshop) completed
- * Participation in two additional expert meetings with ZAMCOM and other partners.
- * 21 stakeholder organizations consulted in total

Indus Basin:

- * Partnerships established with LUMS (Pakistan) and TERI (India). Alliances established with IWMI, ICIMOD and World Bank
- * First (national) consultations completed

* Second consultation (scenario workshops) completed

* 34 stakeholder organizations consulted in total

Zambezi Basin:

* Training on Scenario Development Process with 11 international students from IWRM Master Program from Zimbabwe University

* Training on Nexus challenges and trans-boundary cooperation through NEXUS simulation game.

Indus Basin:

* Training on Tools and models for nexus management during the Indus Basin Knowledge Forum. Number of participants: 25

* Training on Nexus challenges and trans-boundary cooperation through NEXUS simulation game.

Dissemination activities:

* Participation in 16 Scientific conferences and 6 High Level Panels/Research to policy meetings

* Participation on the 9th International Waters Conference

* 13 Peer-review papers (6 published, 3 under review, 4 in preparation); 2 IIASA Working papers published

Ongoing Project Management

4. Risk management

14. Please indicate the overall risk management: (i) as identified in the CEO Endorsement document, and (ii) progress to-date.

****Risks identified as per CEO Endorsement document. Please indicate in the "Risks" column if some are new/additional risks.***

| | (i) Risks | (i) Risk level | (i) Mitigation measures | (ii) Progress to-date |
|----|--|----------------|---|---|
| 1 | Poor attendance at the stakeholder consultations and interest in the development of regional change pathways | Low risk (L) | Raise awareness of existing issues | Workshop of stakeholders for Zambezi and Indus basin |
| 2 | No interest in regional stakeholder meetings to discuss scenarios design and nexus challenges | Low risk (L) | Raise interest by informing stakeholders of the respective topic | Workshop of stakeholders for Zambezi and Indus basin |
| 3 | Model development is delayed by unforeseen technical challenges | Low risk (L) | Work closely with technicians on the development of the model | One global and two basin assessment nexus tools |
| 4 | Global model development is not successful | Low risk (L) | Work on a global assessment of multisectorial hotspots and transformation pathways | IIASA Working paper published on Sustainable Transformation Pathways for achieving SDG 6, 7, 12 and 15. |
| 5 | Issues with willingness of stakeholders to interact | Low risk (L) | Establishing connections and interactions among stakeholders from a wide array of institutions, sectors and countries; including expert advisory meetings Zambezi: | Organizing consultations, participate in EGMs and conferences, etc. |
| 6 | No interest and engagement from regional scientists, practitioners No external interest in project, model and insights | Low risk (L) | Involve regional scientists and practitioners in the development of the project Exchange of scientists/experts with partner academic institutions, ministries and/or multilateral organizations | Organizing consultations, participate in EGMs and conferences, etc. |
| 7 | | | | |
| 8 | | | | |
| 9 | | | | |
| 10 | | | | |

15. If the project received a **sub-optimal risk rating (H, S)** in the previous PIR FY, please state the **actions taken** since then to mitigate the relevant risks.

5. Implementation and Execution issues

16. Please state any **implementation issues** occurred in overseeing and supervising during FY 2018:

No (negative) implementation issues faced

17. Please state any **execution issues** faced during FY 2018:

No (negative) execution issues faced

6. Environmental and Social Safeguards (ESS)

18. As part of the requirements for **GEF-6** projects, and based on the screening as per the UNIDO Environmental and Social

Safeguards Policies and Procedures (ESSPP), which category is the project?

Category C project

(By selecting Category C, I confirm that the E&S risks of the project have not been escalated to Category A or B).

As required for all **GEF-6** projects, please report on activities undertaken in FY 2018 to meet the ESS monitoring/management commitments made in the Project Document and/or the Environmental and Social Management Plan (ESMP).

| | E&S risk | Mitigation measures undertaken in FY 2018 | Monitoring methods and procedures used in FY 2018 |
|---|----------|---|---|
| (i) Risks identified during PIF and verified during PPG (as per the submitted ESMP) | | | |
| (ii) New risks identified during project implementation (if not applicable, please insert 'NA' in each box) | | | |

7. Gender mainstreaming

19. Please describe the **gender considerations** mainstreamed into the CEO Endorsement:

UNIDO recognizes the mutual benefit among gender equality, the empowerment of women, and sustained economic growth, which are key drivers of poverty alleviation and social progress. To maximize the mutual benefits, UNIDO pays especial attention on capturing opportunities to mainstream gender in its projects and programmes in line with its Policy on Gender Equality and the Empowerment of Women, adopted in 2009 and revised in 2015, UNIDO's Gender Equality and Empowerment of Women Strategy 2016-2019, as well as with the Lima Declaration adopted in 2013. To ensure that men and women equally benefit from the project and that gender inequalities in activities and outcomes are minimized, gender dimensions are considered where applicable throughout the entire project implementation.

Given the broad global scope and use of relatively coarse datasets that do not include gender disaggregation, the project will not be able to explicitly quantify the gender implications of specific future scenarios. However, every effort will be made to be inclusive and to promote the participation of qualified female candidates, wherever possible and appropriate, in stakeholder consultation activities, capacity building efforts, training programs and the scientific exchange program.

20. Please state the **measures taken** so far, and the **results achieved** in FY 2018 against the intended gender mainstreaming actions (refer to question above):

- Where feasible and appropriate, efforts will be made to promote balanced participation of women and men throughout the project, for instance in training activities, stakeholder consultations, and knowledge dissemination activities with the aim to secure gender balance, both at managerial and technical levels, as participants as well as facilitators.
- Decision-making processes, where feasible and appropriate, will consider gender dimensions through gender-balanced composition of stakeholder groups and the project advisory meetings. An UNIDO gender focal point will periodically review and provide guidance on gender dimensions throughout the implementation of the project.
- All monitoring and evaluation activities will include reporting on gender dimensions, e.g. the participation of women in trainings.

8. Stakeholders consultation

21. Please describe the stakeholders consultations that have taken place for FY 2018?

Consultations with the relevant trans-boundary stakeholders have been held, PSC meeting.

22. Please upload the relevant consultation documents:

(Eg: *Project Steering Committee minutes, Aide Memoire, Meeting Agenda, etc.*)

[6993_ISWEL_Third_Progress_Report_2018.pdf](#)

[6993_ISWEL_Second_Progress_Report_2017.pdf](#)

[6993_ISWEL_First_Progress_Report.pdf](#)

[6993_Minutes_Annual_Project_Steering_Committee_Meeting_ISWEL_8-9_June__2017v3.pdf](#)

9. Knowledge Management

23. Please list the titles of knowledge management or publicity materials that have been produced for the project. (i.e. online information exchange/sharing platforms, technical reports, project website or video links, publications, posters, flyers, etc.)

1 : Flyer

2 : Videos of Basin Scenario Workshops

24. Please upload the materials mentioned above.

(i.e. photos, brochure, flyer, leaflet, feasibility studies... up to 10 files)

[lswel_Flyer.pdf](#)

25. Please share a story on how the project has benefitted the environment and communities.

n/a for this particular (scientific) project

Note: Videos are available but have been rejected for upload

Please find them here: G:04 ECC Database by Sabine GEF 6GLO nexus projectMSPVideos

10. Files upload (Required for PIR, MTR and TE)

26. The following information is filled as part of the:

Project Implementation Report (PIR)

27. GEF Project size:

Medium-Sized Project (MSP)

28. Please upload the **Project Progress Update Report showing progress by output-level for FY 2018 (1 July 2017 to 30 June 2018):**

[6993_Project_Progress_Update_Report.pdf](#)

29. Please upload the **updated work plan for FY 2018:**

[6993_Workplan.pdf](#)

30. Please upload any other materials you wish to share from the project:

*(i.e. feasibility study reports, technical reports, etc) **For PTC/ENV projects with SCD requirements, please upload it here.***

Please name your file "GEFID_document name".

11. Project Implementation Report (PIR)

31. Please insert information on progress, challenges and outcomes on **project implementation activities:**

A summary of the main outcomes and outputs produced between November 2017 and October 2018 is given below.

- The assessment of multi-sector vulnerability hotspot analysis undertaken at the global level has been expanded now to the 275 major river basins across the world
 - Work on the global hotspots analysis developed during the previous reporting period has been featured in the IPCC Special Report on the Impacts of Climate Change at 1.5°C. Specifically, data tables detailing the number of people at risk within each scenario, region, indicator and sector.
 - The modelling team has completed the development of one global and two basin assessment modeling frameworks (AFMs). These AMFs are calibrated and ready for deployment.
 - 3 workshops organized with the stakeholders from the Indus (Delhi, Lahore, and basin wide in Vienna) and 1 stakeholder workshop organized in the Zambezi (Harare). The meetings have facilitated:
 - x Wide engagement with basin stakeholders: 34 organizations joined the Indus meetings and 21 in the case of the Zambezi.
 - x The identification and prioritization of basin sectoral and transboundary nexus challenges, which have been drafted as a stakeholder report.
 - x Development of 3 contrasting visions and development pathways for each basin and based on the stakeholder preferences
 - x Two training workshops on the use of nexus modeling tools and scenario planning processes
 - x The amplification of the project impact thanks to the engagement into existing processes. In the Indus by inputting and leading a wider process like the Indus Basin Knowledge Forum. In the Zambezi, part of the ISWEL work is now being considered in the formulation for the strategic work plan within ZAMCOM.
 - 6 peer review published, 1 policy brief, and 2 working papers.
 - Two videos highlighting the stakeholder process are available on the web.
 - Attendance to 16 conferences and 6 high level panels/side events, in which the work from ISWEL was presented to a range of audiences
 - One PhD researcher from Indus has been extensively exposed and trained in the use the Indus AMF (3 months as a YSSP) and sponsored through the project to disseminate his work in international forums.
- The project is continuing to make good progress. Overall the work is in line with the work plan of the proposal and updates discussed in February 2017.

32. Please insert information on progress, challenges and outcomes on stakeholder engagement (based on the description of the Stakeholder engagement plan included at CEO Endorsement/Approval):

During the past year we have had a number of meetings with stakeholders in the two basins. These workshops and meetings have provided solid insights on what are the main challenges each of the basin are currently facing as well as what are the possible pathways that stakeholders have identified to overcome those challenges and meet their development goals.

Indus engagement activities:

The project team has organized three meetings in the course of 2018: two national consultation meetings (Delhi and Lahore, March 2018), and one basin meeting (Vienna, May 2018) co-organized with the International Centre for Integrated Mountain Development (ICIMOD), the International Water Management Institute (IWMI) and the World Bank.

This first Indus meeting turned into two separated country meetings: Delhi (23 March 2018) and Lahore (26-28 March 2018). The purpose of the two consultations was to strengthen and build partnerships with national organizations from the two countries and, given the political sensitivities, identify in a neutral environment what are the country perspectives on the sectoral and transboundary challenges.

With the aim of supporting knowledge generation and sharing for the sustainable management and future of the Indus, IIASA in partnership with International Centre for Integrated Mountain Development (ICIMOD), the International Water Management Institute (IWMI) and the World Bank convened two interlinked events from May 29th through June 2nd 2018 in Vienna and Laxenburg: a Scenario Workshop on "Developing Visions and Future Pathways for the Indus Basin" and the Third Indus Basin Knowledge Forum, whose theme for this year was "Managing Systems Under Stress: Science for Solutions in the Indus Basin."

The overall aim was to go one step beyond the first consultations held earlier in the year and bring together experts and stakeholders from the four riparian countries, to jointly discuss this time desirable futures and pathways in the Indus basin and its riparian countries for the management of water, energy, and land. The workshop was based on a scientific approach but it also aimed to produce policy relevant results.

Zambezi engagement activities:

The first consultation meeting (Meeting 1 on identifying basin challenges, took place in September 2017). Since then, the ISWEL team has participated in two basin meetings convened by the Zambezi Watercourse Commission and organized one Scenario Workshop. The two meetings where ISWEL team participated included:

1. Coordination meeting with partner organizations working on nexus initiatives in the Zambezi Basin. This meeting was convened by ZAMCOM with the intention to align current efforts and build on the work done across projects to support their activities, namely the Zambezi Strategic Development Plan (ZSDP) and the Zambezi Water Resources Information System (ZAMWIS). The meeting took place in Harare on 5 February 2018, and was attended by Piotr Magnuszewski (IIASA) and at least 4 other organizations, included, SADC, WWF, NEPAD/JRC, ETH-Zurich, WATER-NET. The outcomes of the meeting included a pre-agreement between IIASA and ZAMCOM to:
 - a. Designing and facilitating a participatory scenario development workshop using a policy exercise approach.
 - b. Providing feedback to the process of developing of Zambezi strategic plan through the outcomes of participatory scenario development.
 - c. Training (train-the-trainer) of the new group of facilitators to be able to run the scenario development process using a policy exercise approach.
 - d. Developing capacity building and training activities in the basin in coordination with other regional initiatives
2. Participation in the III Basin Stakeholder Forum "Water, Energy, Land Nexus for Socioeconomic development in the Zambezi Basin". The ISWEL team was invited to provide a keynote presentation to share the developing work. The meeting was attended by Amanda Palazzo (IIASA), and took place in Lilongwe 8-9 October 2018. During the meeting, ZAMCOM officially invited IIASA to join the bi-annual ZAMCOM Technical Committee meeting on November 22nd in Harare to present the scenario approach and preliminary results of the exercise developed during the scenario workshop of July.

This purpose of this workshop as with the one organized in the Indus was to build on the first meeting bringing together experts and stakeholders from the eight riparian countries, to jointly discuss desirable futures and pathways for the Zambezi basin and its riparian countries with regards to water, energy, and land. The specific goals were the same ones presented as for the Indus. The meeting co-organized with ZAMCOM and was attended by 6 IIASA staff (Simon Langan, Piotr Magnuszewski, Amanda Palazzo, Michiel van Dijk, Beatriz Mayor, and Barbara Willaarts), and UNIDO project Manager, Robert Novak.

The 2-day workshop was attended by 24 stakeholders from seven riparian countries (Tanzania was not represented) and it was based on scientific approach but it also aimed to produce policy relevant results.

Dissemination and outreach

In summary, during the past 12 months the ISWEL team has participated in 15 scientific conferences and workshops and 3 high level panels. In terms of publications, the team has published 5 peer review papers and another 7 are currently under preparation. Other publications include one policy brief, and two IIASA working papers.

33. Please insert information on progress on gender-responsive measures as documented at CEO Endorsement/Approval in the gender action plan or equivalent:

- Where feasible and appropriate, efforts will be made to promote balanced participation of women and men throughout the project, for instance in training activities, stakeholder consultations, and knowledge dissemination activities with the aim to secure gender balance, both at managerial and technical levels, as participants as well as facilitators.

- Decision-making processes, where feasible and appropriate, will consider gender dimensions through gender-balanced composition of stakeholder groups and the project advisory meetings. An UNIDO gender focal point will periodically review and provide guidance on gender dimensions throughout the implementation of the project.
- All monitoring and evaluation activities will include reporting on gender dimensions, e.g. the participation of women in trainings.

34. Please outline **knowledge activities / products (when applicable), as outlined in knowledge management approved at CEO Endorsement / Approval:**

n/a in year 2

12. Mid-Term Review (MTR)

Please indicate the committed co-finance at **CEO Endorsement (Table C)* and the materialized co-finance** as of FY 2018. If additional sources of co-finance have been added during project implementation, please add as appropriate.**

| | Sources of co-finance* (i.e. National government) | Name of co-financier* (i.e. Ministry of Finance) | Type of co-financing* | Amount confirmed at CEO (USD)* | Amount materialized at MTR (USD)** |
|-------|---|--|-----------------------|--------------------------------|------------------------------------|
| 1 | | | | | |
| 2 | | | | | |
| 3 | | | | | |
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| 5 | | | | | |
| 6 | | | | | |
| 7 | | | | | |
| 8 | | | | | |
| 9 | | | | | |
| 10 | | | | | |
| Total | | | | | |

Please upload the relevant Tracking Tool (*optional for MSP*):

Please upload the relevant Core Indicators numbers / figures as of the date of the MTR.

If there has been commitment in the CEO Endorsement document to submit a **Mid-Term Evaluation (MTE), please upload:**

Please insert information on progress, challenges and outcomes on **stakeholder engagement (based on the description of the Stakeholder engagement plan included at CEO Endorsement/Approval):**

Please insert information on progress on **gender-responsive measures, indicators and intermediate results as documented at CEO Endorsement/Approval in the gender action plan or equivalent:**

Please outline **knowledge activities / products (based on the Knowledge management approach approved at CEO Endorsement / Approval) and lessons learned (if available):**

Please outline **main findings of the **Mid-Term Review (MTR)**, i.e. key findings, recommendations and lessons learned:**

13. Terminal Evaluation (TE)

Please indicate the (a) committed co-finance at **CEO Endorsement (Table C)** and (b) the materialized co-finance as of FY 2018. If additional sources of co-finance have been added during project implementation, please add as appropriate.

| | (a) Sources of co-finance* (i.e. National government) | (a) Name of co-financier* (i.e. Ministry of Finance) | (a) Type of co-financing* | (a) Amount confirmed at CEO (USD)* | (b) Amount materialized at MTR (USD)** | (b) Amount materialized at TE (USD)** |
|-------|---|--|---------------------------|------------------------------------|--|---------------------------------------|
| 1 | | | | | | |
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| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |
| Total | | | | | | |

Please upload the relevant Tracking Tool (TT):

Please upload the relevant **Core Indicators numbers / figures** as of the date of the TE.

Please upload the **Terminal Evaluation (TE)**:

Please insert information on progress, challenges and outcomes on **stakeholder engagement** (as evolved from the time of MTR):

Please insert information on progress on **gender-responsive** measures, indicators and intermediate results (as evolved from time of MTR), lesson learned if available:

Please outline **knowledge activities / products** (as evolved from time of MTR) and lessons learned:

Please outline **main findings** of the **Terminal Evaluation (TE)**, i.e. key findings, recommendations and lessons learned:

15. Thank You!

AMR II submission confirmation 6993