



Terms of Reference for IUCN Consultancy

Title: Consultancy for the Development of Power BI Dashboards and an ESRI Experience Builder Platform

Objective of the Consultancy

This consultancy has the following objective(s):

1. Consultancy for the Development of Power BI Dashboards and an ESRI Experience Builder Platform.

Background

Project Reference: P04620

Donor reference: DR04620

About IUCN

IUCN is a membership Union uniquely composed of both government and civil society organisations. It provides public, private and non-governmental organisations with the knowledge and tools that enable human progress, economic development and nature conservation to take place together.

Created in 1948, IUCN is now the world's largest and most diverse environmental network, harnessing the knowledge, resources and reach of more than 1,400 Member organisations and around 15,000 experts. It is a leading provider of conservation data, assessments and analysis. Its broad membership enables IUCN to fill the role of incubator and trusted repository of best practices, tools and international standards.

IUCN provides a neutral space in which diverse stakeholders including governments, NGOs, scientists, businesses, local communities, indigenous peoples organisations and others can work together to forge and implement solutions to environmental challenges and achieve sustainable development.

Working with many partners and supporters, IUCN implements a large and diverse portfolio of conservation projects worldwide. Combining the latest science with the traditional knowledge of local communities, these projects work to reverse habitat loss, restore ecosystems and improve people's well-being.

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<https://twitter.com/IUCN/>

About the Project

The Mainstreaming and Integrated Water Resources Management approach for More Resilient Basins in Mozambique [MozWaterR] is a geared project towards achieving water

security and safety by supporting Mozambique in developing its capacity to implement effective integrated water resources management (IWRM) in key basins in the northern and central water administration regions and improve capacity at a national level. This project is a collaborative effort where joint action on the ground will produce critical lessons from tried best practices that inform policy which strengthen business approaches, institutions, and rules around the sustainable use of land and water. MozWaterR is being implemented collaboratively with the Northern Regional Water Administration (ARA-Norte), Central Regional Water Administration (ARA-Centro) and the National Directorate for Water Resources Management (DNGRH) as primary Implementing Partners (IPs) to combat several challenges in the national water sector.

Description of the Assignment

1. Development of a Power BI Dashboard

- Design and develop a structure of an interactive dashboard in Power BI, based on the project's results framework (impact, outcome, and intermediate outcome indicators).
- The dashboard will serve as a foundational model to progressively update the project team when data becomes available.
- It should be user-friendly, visually clear, and adaptable to ongoing data input.

2. Creation of an Interactive Platform Using ESRI Experience

- Develop a structured and interactive data visualization platform using ESRI Experience.
- The platform will allow for the continuous integration and updating of geographic and environmental data throughout the project's implementation.
- It should include interactive maps, relevant data layers, and features that support evidence-based decision-making.

3. Capacity Building for the Project Team

- Conduct training sessions for the project team
- The use and update of the Power BI dashboard.
- navigating, interpreting, and manage data within the ESRI Experience platform.
- Practical training will ensure the team's autonomy in using and maintaining the developed tools.

Duration of the Assignment

The consultancy is expected to commence on 06 October 2025 and be completed by 12 December, 2025. The total duration of the consultancy is 2 months.

Deliverables and Activities

The consultant will provide the following deliverables and carry out the following activities:

Deliverable/Activity	Description	Deadline
1. Inception Report	Outline methodology, propose structure for the Power BI dashboard and ESRI Experience	09 October 2025

	platform, and a detailed work plan and timeline.	
2. Draft Dashboard and ESRI Structure	Initial version of Power BI dashboard framework and ESRI Experience platform structure developed and shared with IUCN for review and feedback.	23 October 2025
3. Final Dashboard and ESRI Platform	Power BI dashboard and ESRI Experience platform refined finalized and shared with IUCN team for approval	11 November 2025
4. Training Materials and Workshop	Training guides, user manuals, and workshop materials for capacity building of the project team on both platforms.	08 December 2025

Payment Schedule

The Timetable below summarises the chronological order of deliverables and indicates milestones at which IUCN will pay the Consultant.

Deliverable	Milestone payment
Deliverable 1	20%
Deliverable 2	30%
Deliverable 3	30%
Deliverable 4	20%

Skills and Experience

The consultant must have the following skills, education and experience as a minimum:

- Proven experience in developing digital dashboards and data visualization tools, particularly using Power BI for monitoring project indicators (impact, outcome, and intermediate outcome).
- Strong expertise in GIS and remote sensing technologies, with demonstrated ability to design and implement spatial data platforms using ESRI tools, especially ESRI Experience Builder.
- Experience in ecosystem mapping and environmental data analysis, with the ability to integrate spatial and non-spatial data into user-friendly platforms.
- Demonstrated ability to engage with and train local stakeholders, ensuring effective use and maintenance of digital tools for project monitoring and decision-making.
- Excellent analytical, communication, and report-writing skills, with the capacity to translate complex data into actionable insights and accessible formats.

Supervision and coordination

The consultant will report to and work under the supervision of Monitoring, Evaluation, Accountability and Learning (MEAL) Of Mozambique Country Office