



Food and Agriculture
Organization of the
United Nations



UNITED NATIONS DECADE ON
**ECOSYSTEM
RESTORATION**
2021-2030



Global Forest
Observations Initiative

Plenary
9-11 May 2023

Framework for Ecosystem Restoration Monitoring

FERM and Target 2 of the GBF

Yelena Finegold
FAO, Forestry Officer



What is the global status on restoration?



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Convention on
Biological Diversity

Post-2020 Kunming-Montreal
**Global Biodiversity Framework
(GBF)**

What is the FERM?

Goals

1. **COLLABORATION:** Bring together frameworks/mechanisms that are collecting data on restoration under a common framework.
2. **MONITOR:** Provide a platform for collecting geospatial data to monitor and report areas under restoration.
3. **REPORT:** On global restoration status using the interoperability framework to the UN Decade and support the Parties to report under the post-2020 Global Biodiversity Framework
4. **TRANSPARENCY:** Provide a public searchable database of geospatial data related to restoration to ensure that restoration targets are being met.



What is the FERM?

The FERM includes:

1. **Registration** of restoration initiatives and their good practices
2. **Visualization** of FERM Geospatial platform
3. **Search (coming soon)** for good practices from different allied platforms
4. **Dashboard (coming soon)** summarizing global restoration progress

<https://ferm.fao.org/>

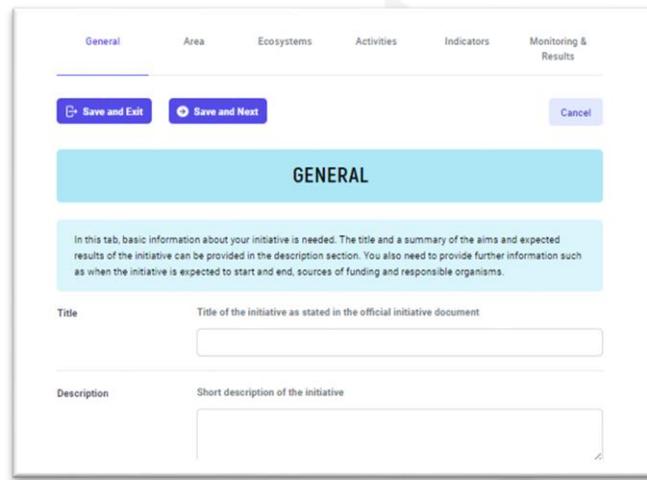


FERM Registry & Platform workflow

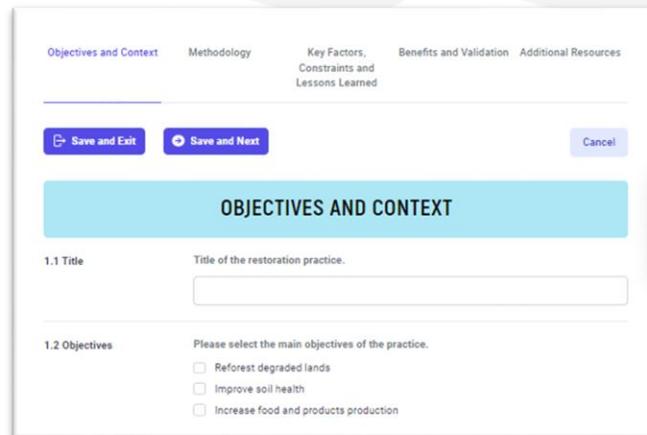
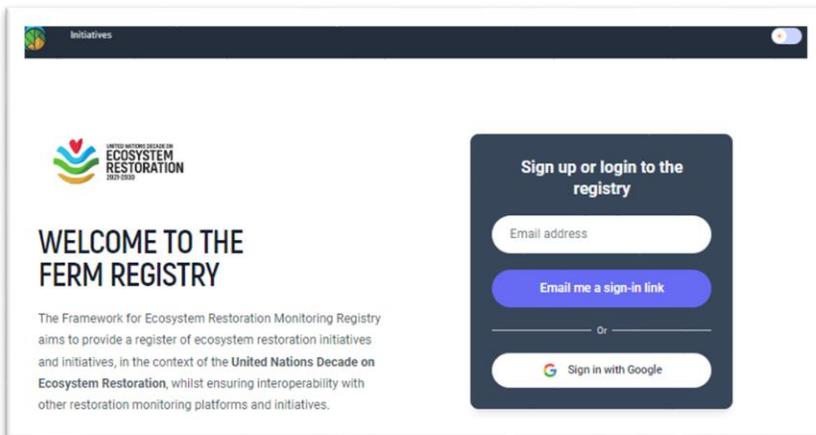
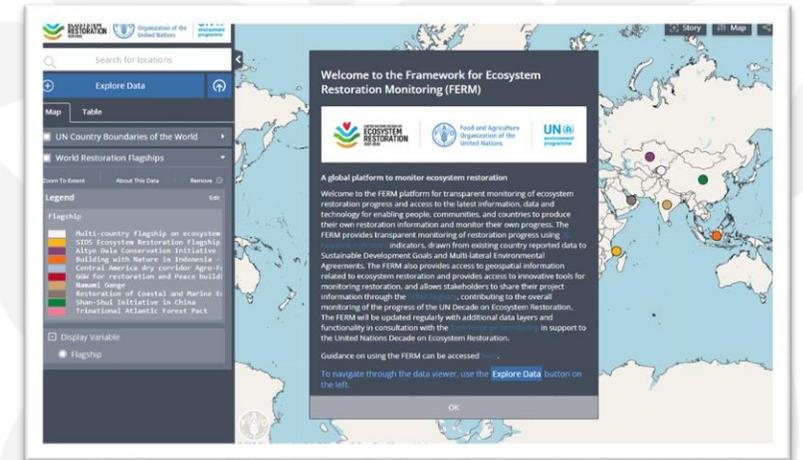
Sign up – open, easy sign up, groups by institutions



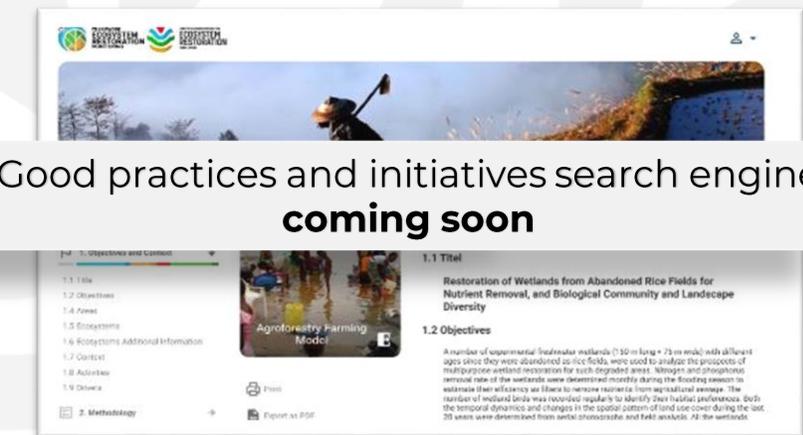
Register the initiative and add good practices



Initiatives are reviewed by institution admins and published on the FERM Platform



Good practices and initiatives search engine coming soon



Collaboration

Interoperability of monitoring and reporting frameworks

afr100

Initiative
20x20



Restoration
Barometer



Ramsar Sites Information Service

2,492 Sites covering 256,637,813 ha

RESTOR



protected
planet

ICRI

Nature Commitments

Showcasing Area-based Commitments

Customization of FERM registry for GEF projects with GEF Core Indicators

GEF indicators

Area 1: GEO006_4 Ganakhleba

3.3 Area of natural grass and shrublands restored

- > 1. Terrestrial protected areas created or under improved management for conservation and sustainable use (hectares)
- > 2. Marine protected areas created or under improved management for conservation and sustainable use (hectares)
- ∨ 3. Area of land restored (hectares)
 - ∨ Component Sub-Indicators
 - 3.1 Area of degraded agricultural lands restored
 - 3.2 Area of forest and forest land restored
 - 3.3 Area of natural grass and shrublands restored
 - 3.4 Area of wetlands (including estuaries and mangroves) restored
- > 4. Area of landscapes under improved practices (hectares; excluding protected areas)
- > 5. Area of marine habitat under improved practices to benefit biodiversity (hectares; excluding protected areas)
- > 6. Greenhouse gas emissions mitigated (metric tons of carbon dioxide equivalent)
- > 7. Number of shared water ecosystems (fresh or marine) under new or improved cooperative management
- 8. Globally over-exploited fisheries moved to more sustainable levels (metric tons)
- > 9. Reduction, disposal/destruction, phase out, elimination and avoidance of chemicals of global concern and their waste in the environment and in processes, materials, and products (metric tons of toxic chemicals reduced)
- > 10. Reduction, avoidance of emissions of POPs to air from point and non-point sources (grams of toxic equivalent gTEQ)
- 11. Number of direct beneficiaries disaggregated by gender as co-benefit of GEF investment

Invitation to GFOI and TF members to explore and use the FERM Registry

We encourage you to **register your restoration initiatives** and document good practices through the

FERM Registry

<https://ferm.fao.org/>

For further assistance, please contact: restoration-monitoring@fao.org



The graphic features a dark blue background with a forest scene. At the top left are the logos for 'FRAMEWORK FOR ECOSYSTEM RESTORATION MONITORING' and 'UNITED NATIONS DECADE ON ECOSYSTEM RESTORATION 2021-2030'. The main title 'FRAMEWORK FOR ECOSYSTEM RESTORATION MONITORING' is in large white letters. Below it are three buttons: 'REGISTER' (green, highlighted with a red border), 'VISUALIZE' (blue), and 'SEARCH' (brown). Each button has a small icon and a brief description. Below the buttons is a wavy orange line. Further down, there is a paragraph of text explaining the FERM's purpose. At the bottom, there are three more boxes: a blue box describing the FERM Registry, a green box describing the FERM Platform, and a photo of a person planting a tree with the text 'Join #GenerationRestoration and share your restoration initiative and good practices with the world.'

REGISTER
Your restoration initiative and good practices

VISUALIZE
The latest geospatial data on restoration

SEARCH
For good practices on ecosystem restoration (coming soon)

The FERM consists of a geospatial platform and a registry of restoration initiatives. It is the official monitoring platform for tracking global progress and disseminating good practices for the UN Decade on Ecosystem Restoration. It also supports countries in reporting areas under restoration for the Kunming-Montreal Global Biodiversity Framework Target 2.

The FERM Registry provides a harmonized data collection mechanism to aggregate data from restoration platforms.

The FERM Platform is built on FAO's corporate Hand-In-Hand geospatial architecture and provides accessible and transparent information for restoration practitioners.

Join #GenerationRestoration and share your restoration initiative and good practices with the world.



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Thank you.

