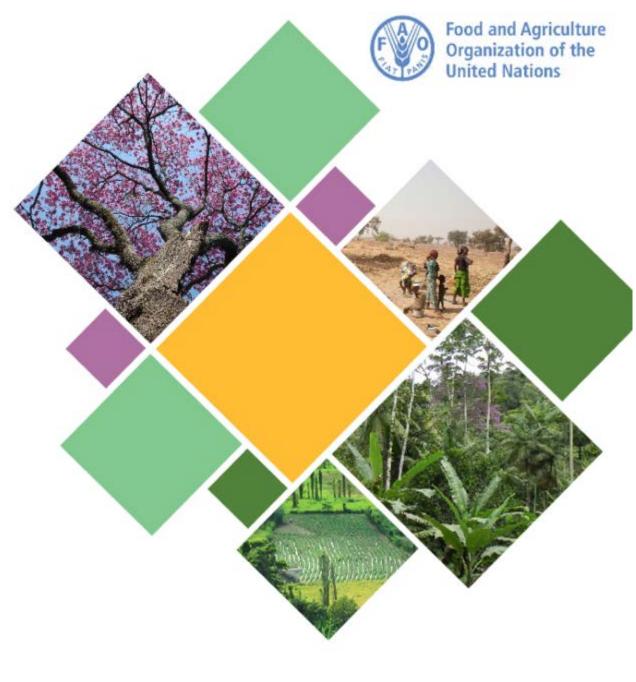
Towards harmonized and cost-effective monitoring frameworks for FLR: Joining efforts through the Collaborative Roadmap

> Faustine Zoveda FLR Mechanism, FAO San Juan, Porto Rico – 6 June 2017



# The Drylands and Forest and Landscape Restoration Week Context, objectives and main outcomes





### The collaborative roadmap on FLR monitoring **What do we want to achieve?**



Establish baseline, monitor operational & strategic targets

Trade-offs, biophysical, socioeco. & enabling env.

Need for monitoring systems that...

6

Include qualitative and quantitative aspects

Multiple purposes, lean, sustainable

Landscape perspective

Connect across scales, full length of the process

Science-based & promote inclusiveness and participation

Collaborative roadmap for FLR monitoring

Encourage and support countries and in country actors, and other relevant partners in monitoring FLR at all scales



# The collaborative roadmap on FLR monitoring **Five priority activity streams**



		Activity streams
	1	Develop and refine <b>guidance document(s)</b> on the design, establishment and operation of FLR monitoring systems, aligned with existing processes and fostering cross-sectoral coordination
	2	Develop and maintain an interactive <b>FLR knowledge platform</b> including: a. An on-line library of monitoring resources b. Capacity building materials
	3	Form and test evolving <b>technical alliances/mechanisms/networks</b> to support effective FLR processes <b>in selected countries and regions</b>
<b>MİTİ</b>	4	Create (or build on existing) and facilitate a <b>community of learning</b> , supported, amongst other things by knowledge sharing events
	5	Form an <b>innovation hub</b> to support other activity streams, harnessing contributions from the science, technology and innovation communities

### The collaborative roadmap on FLR monitoring **Partners**



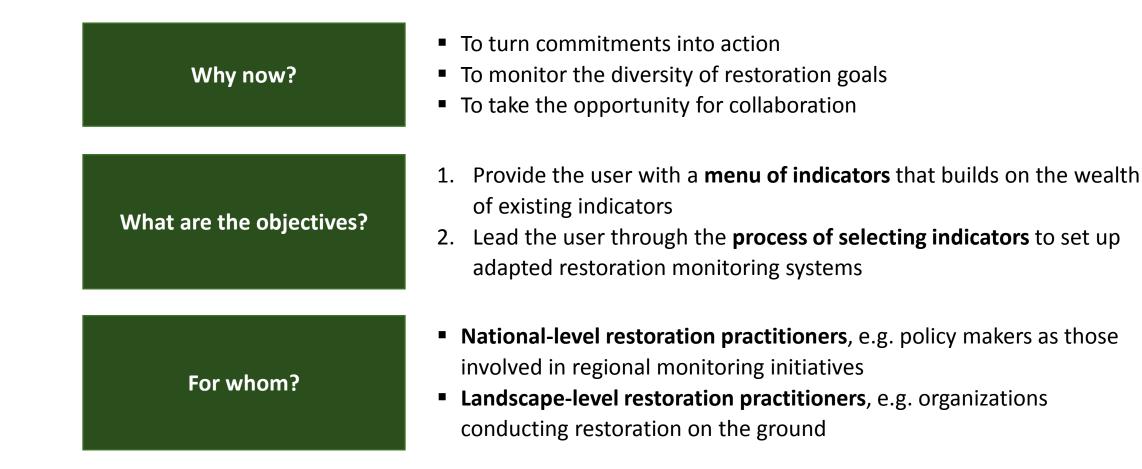
# The collaborative roadmap on FLR monitoring **Ongoing and future activities**



- Ongoing preparation of the guidance document (activity stream 1) led by WRI/FAO
- Knowledge Platform containing a specific module on FLR monitoring, already prepared (activity stream 2)
- Opportunities for collaboration on the ground identified with WRI, UNEP and IUCN for activity stream 3 (in particular in the context of a GEF thematic program on FLR)
- Concept note developed for the Community of Practice (activity stream 4) and objective to organize a first webinar on FLR monitoring (under preparation) in 2017

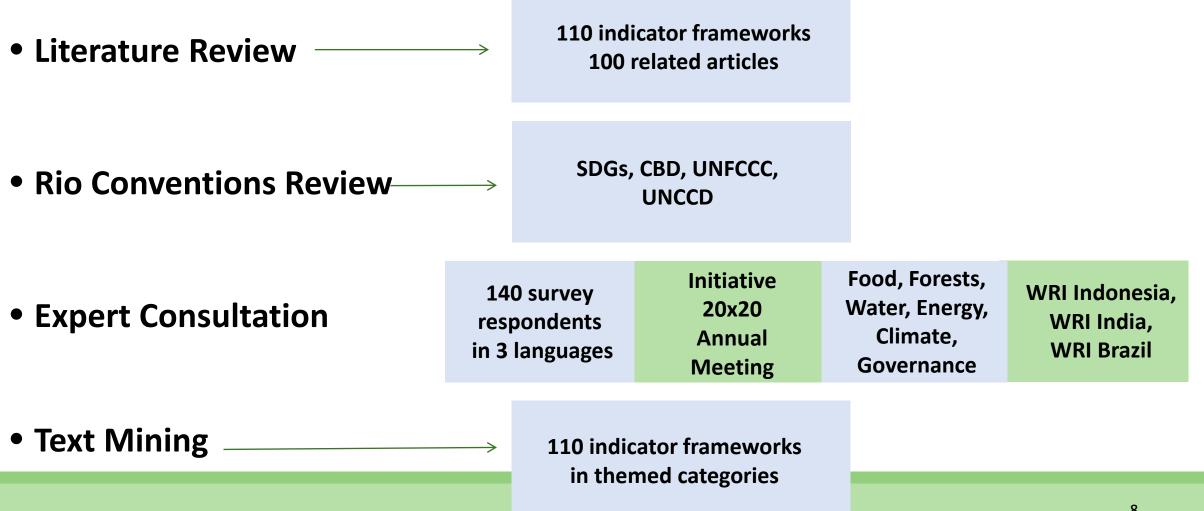
### Zoom on ongoing activities Activity stream 1: Preparation of the guidance document (WRI/FAO)





### Zoom on ongoing activities Activity stream 1: Preparation of the guidance document (WRI/FAO)

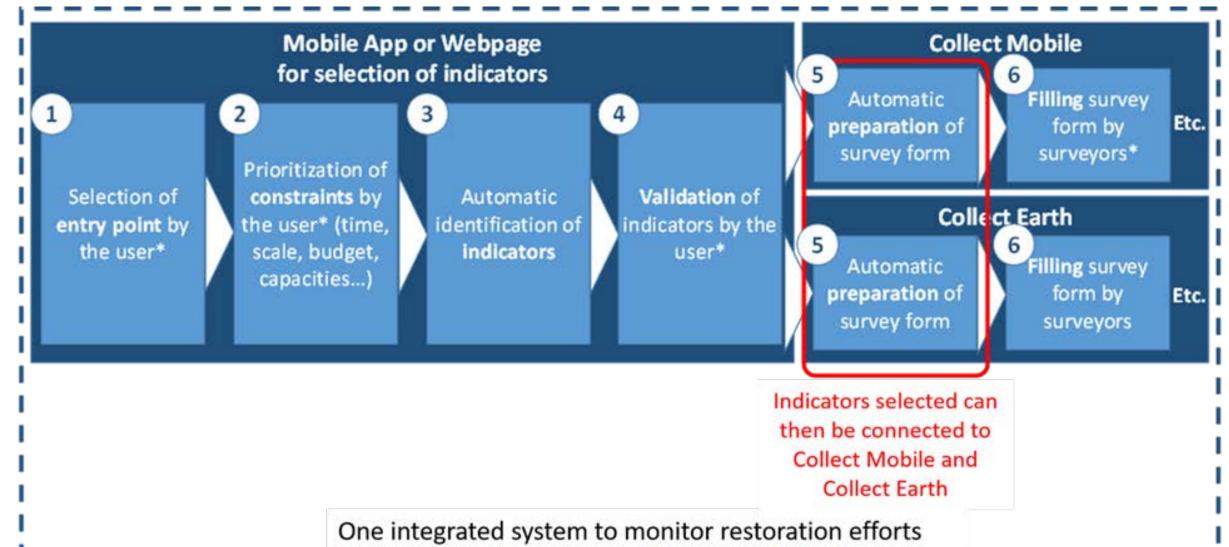




### Zoom on ongoing activities Activity stream 1: Preparation of the guidance document (WRI/FAO) 3 Three key questions: At what scale is the Why restoration? What **resources** are 1. 2. What vegetation? available to monitor? monitoring effort? Which drivers? 3. Soil Organic Carbon COMMUNITY LANDSCAPES Four methods exist to measure soil organic METRIC carbon: dry combustion, wet combustion, remote WITH TREES **EAND** USE sensing & spectroscopy LANDSCAPE SOURCE Landscape: selected sample sites Metric National: reported GHG data Sourcandscapes TIMING AND Every 5 to 10 years FREQUENCY (change only noticeable within that timeframe) SOIL N N TiminvgranohFnerquency ØØØ Challenging to measure due to technical **Ease/EGETATION** EASE • \*\*\* expertise needed Price NATIONAL • \$\$\$ Currently expensive due to cost of analyzing the ΓY soil in labs Quality QUALITY Lack of global standardization and uniformity in results. Continuous technological improvement is Ethics ENERGY PRODUC Т increasing reliability of the measurement. TION Proximity No significant ethical issues. ETHICS PRODUCTS PROXIMITY Can be used as a proxy for erosion stabilization, general soil health and land productivity **CULTURE**

### Zoom on ongoing activities Activity stream 1: Preparation of the guidance document (WRI/FAO)





### Zoom on ongoing activities Activity stream 2: Knowledge Platform with FLR monitoring module

Food and Agriculture Organization

of the United Nations

Free Text Search

opportunities.

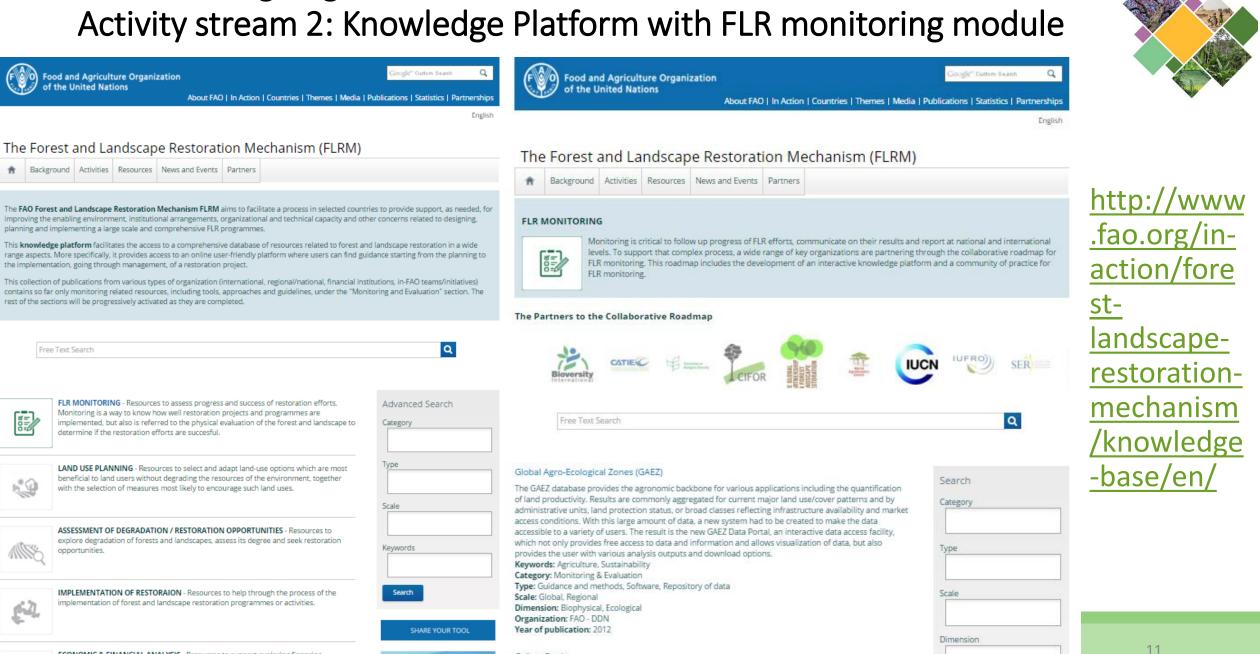
analysis of restoration activities.

determine if the restoration efforts are succesful.

ECONOMIC & FINANCIAL ANALYSIS - Resources to support exploring financing

opportunities for restoration, as well as approaches and methods for cost-benefit

8



Collect Earth

Collect Earth is a tool that enables data collection through Google Earth. In conjunction with Google Earth,

# Moving towards collaborative action for monitoring **How to be involved?**



- Stream 1 getting involved in the short term in the process of developing and testing the guidance document on FLR monitoring indicators
  - ✓ Attend the Skype call planned for end of June!
- Stream 2 providing methods/tools/study cases used in the region to increase the number of relevant products in the database of the FLR online toolbox
  - ✓ Share your tool online! <u>http://www.fao.org/in-action/forest-landscape-restoration-mechanism/knowledge-base/en/</u>
- Stream 3 identifying areas of potential interest where FLR monitoring can be improved both at national and regional levels
- Stream 4 participating in the online and face-to-face events to be developed in the context of the community of learning on FLR monitoring

# THANK YOU!

Faustine.Zoveda@fao.org

