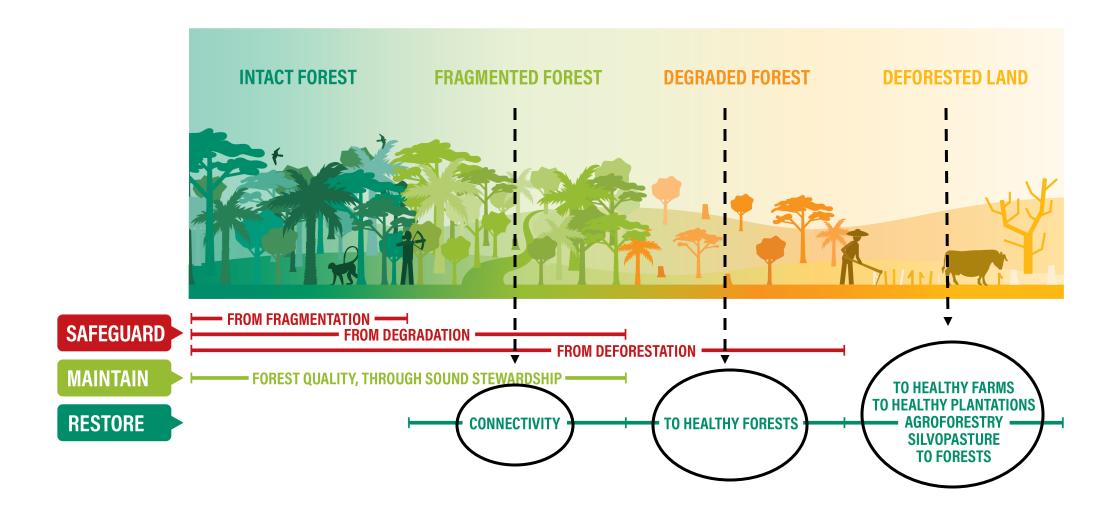


### WRI's Global Restoration Initiative



### How does WRI use ROAM?

#### ROAM AT WRI

- ROAM is a foundational aspect of WRI's technical support on restoration
- ROAM is not the goal, rather it's a starting point.

It's a useful framework for engaging stakeholders in an initial assessment of restoration opportunity; it's a framework to identify both priority landscapes for implementation and the range of stakeholders who must be involved.

- End goal of ROAM is to encourage investments in restoration
- Driven by two regional initiatives: Initiative 20x20 & AFR 100

### A Broad-Based Restoration Movement



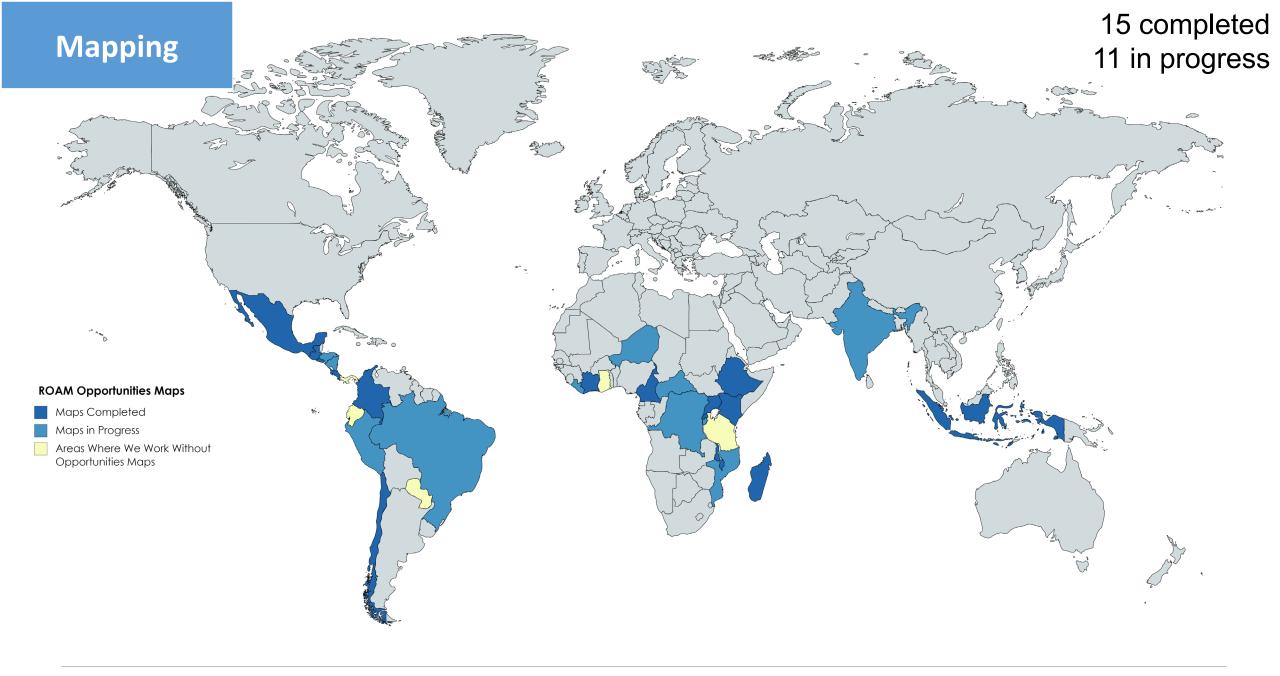


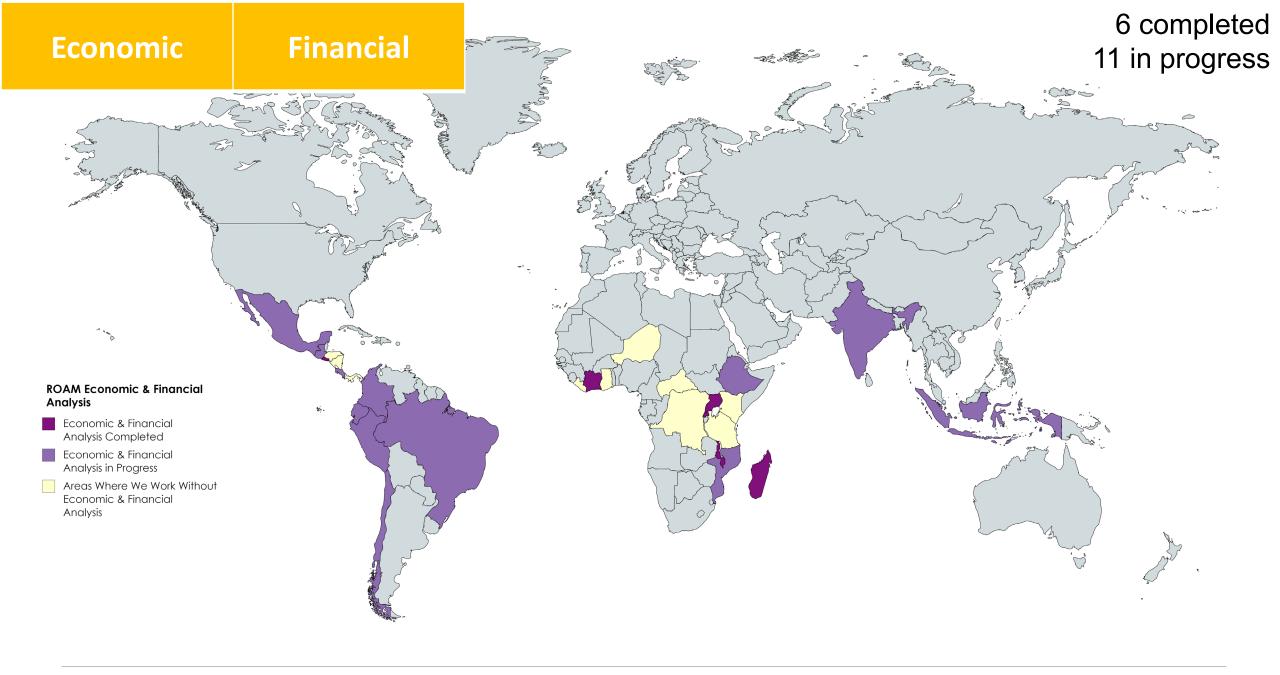


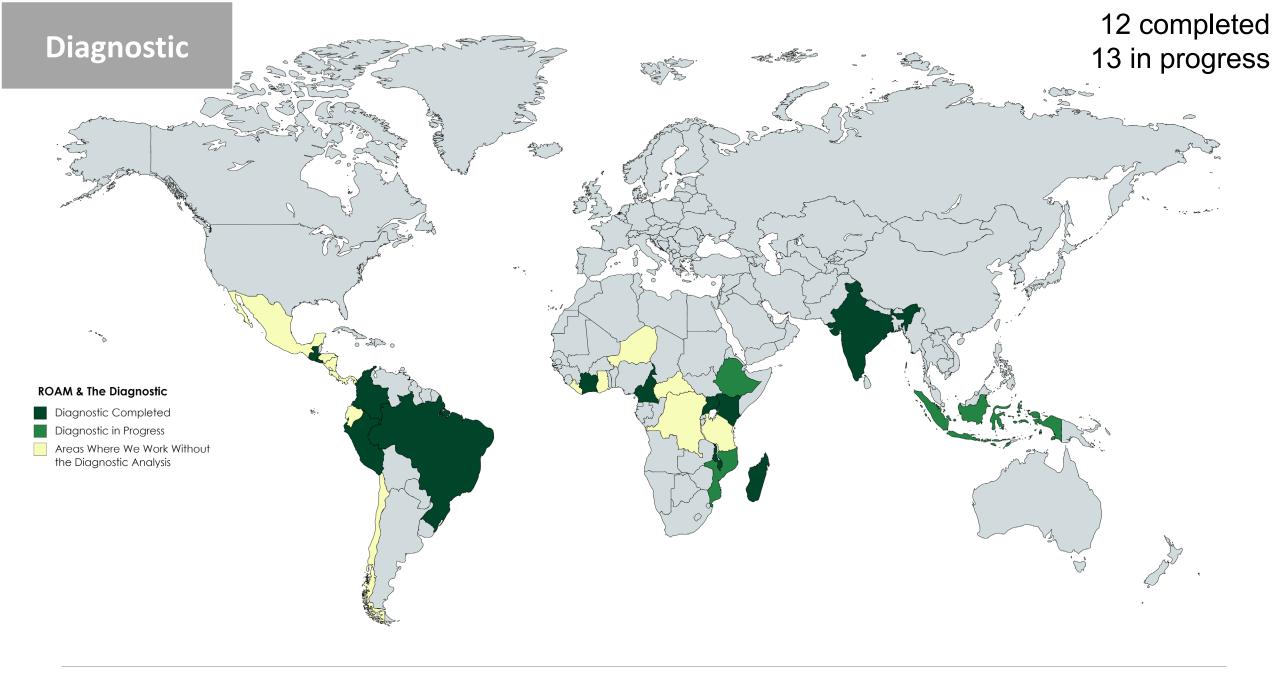


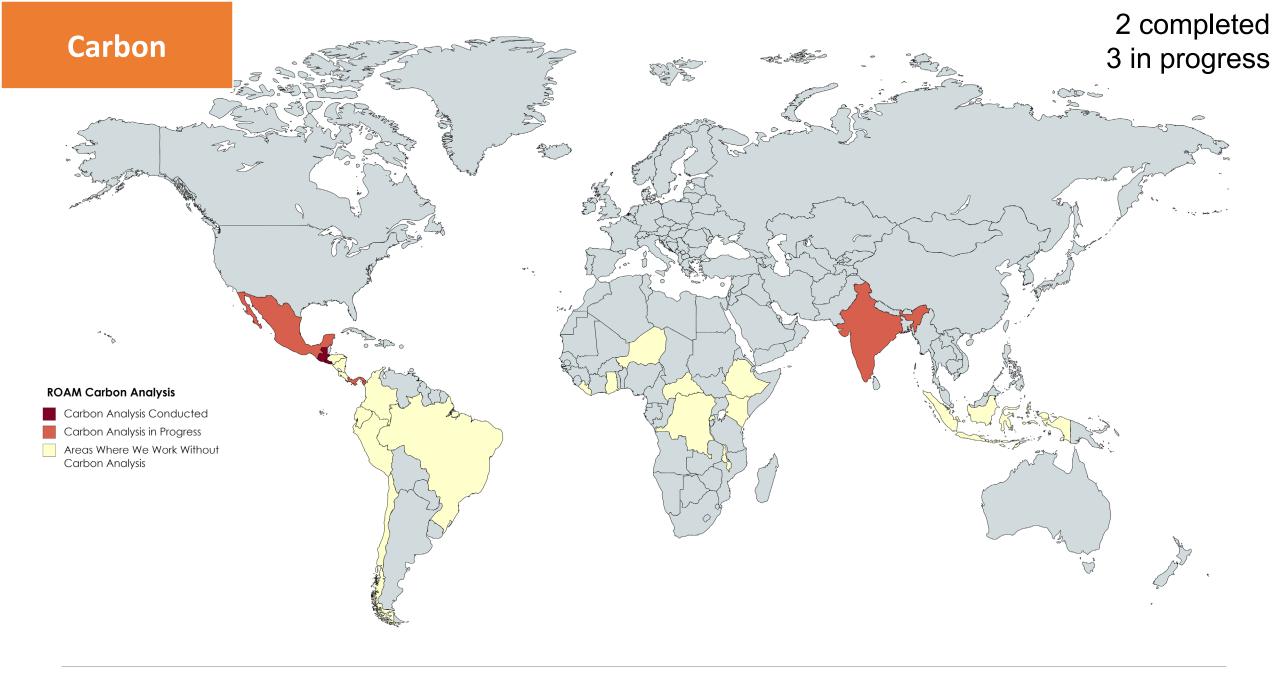
### What is ROAM?

<b>√</b> □	Stakeholder engagement	1
<b>V</b>	Geospatial mapping	2
<b>V</b>	Economic analysis	
<b>V</b>	Financial analysis	
<b>V</b>	Enabling conditions (the Diagnostic)	
<b>√</b> □	Carbon analysis	

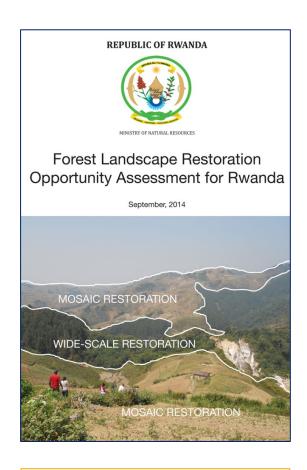




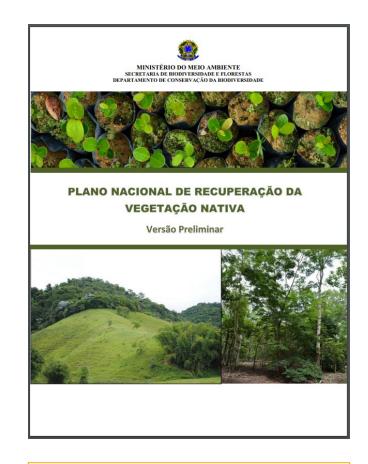




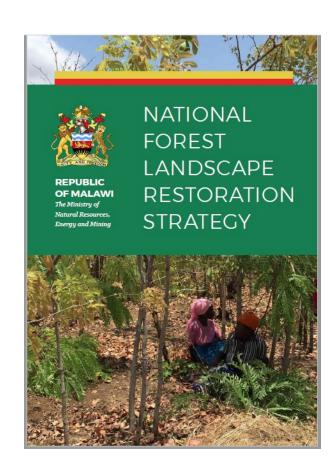
### **ROAM** as basis for National Strategies



**RWANDA: 2014** 



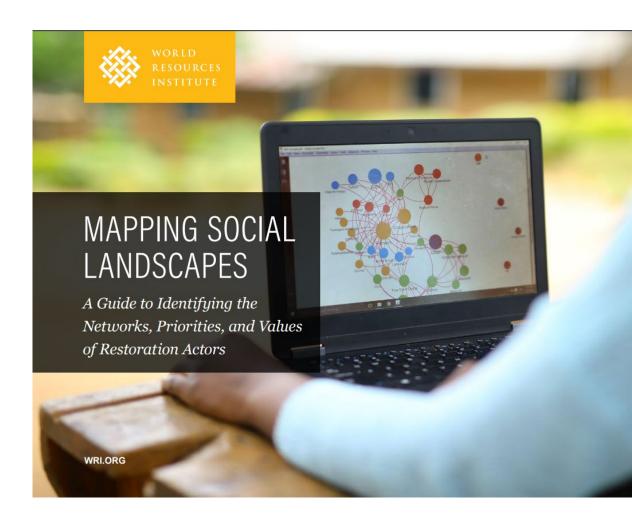
**BRAZIL: 2014** 



**MALAWI: 2017** 

### Mapping the social landscape

- **1. MAKE** a commitment to map your social landscapes around a specific goal or activity.
- **2. ANALYZE** the social landscape maps to determine what works and what could be improved.
- **3. WORK** with groups within the social landscape to identify, agree upon, and implement changes.
- **4. REPEAT**, or make a commitment to evaluate changes in the social landscape periodically.



### **ROAM for Tropical Peatland**

### **Objective**

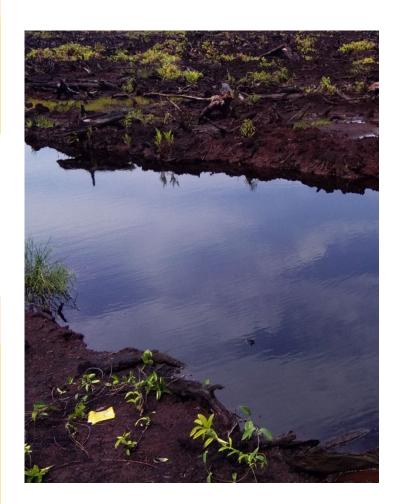
To provide relevant analytical input to national/subnational policymaking on peatland restoration, especially to support the development of peatland restoration plans and their implementation

### Scope

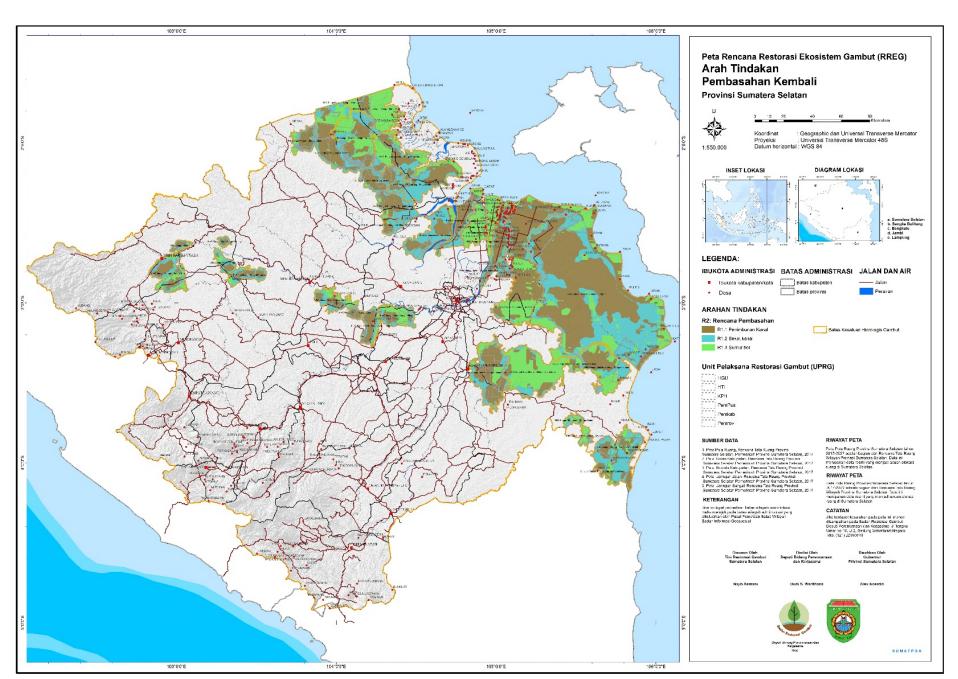
Focusing on SE Asian peatlands, although it is possible to expand the scope

### **Users**

- Government officials commissioning assessment on peatland restoration opportunities
- Assessors who need to assess peatland restoration opportunities
- Experts or stakeholders at national or regional level who need to know what peatland restoration opportunities entail

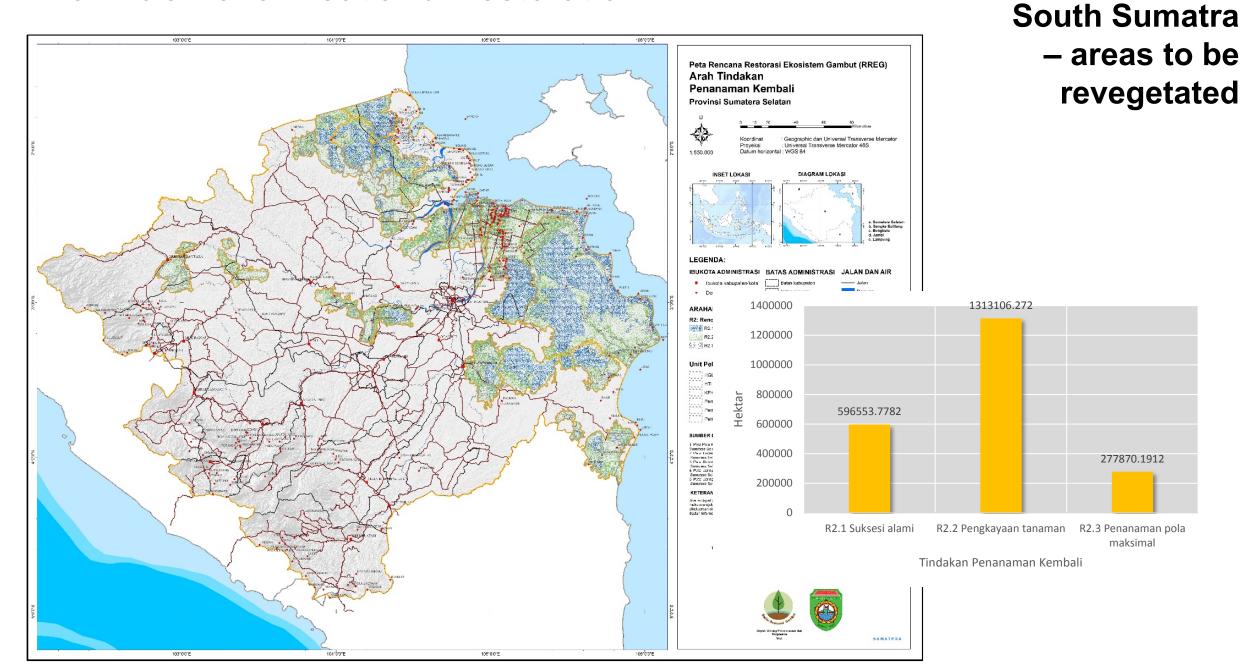


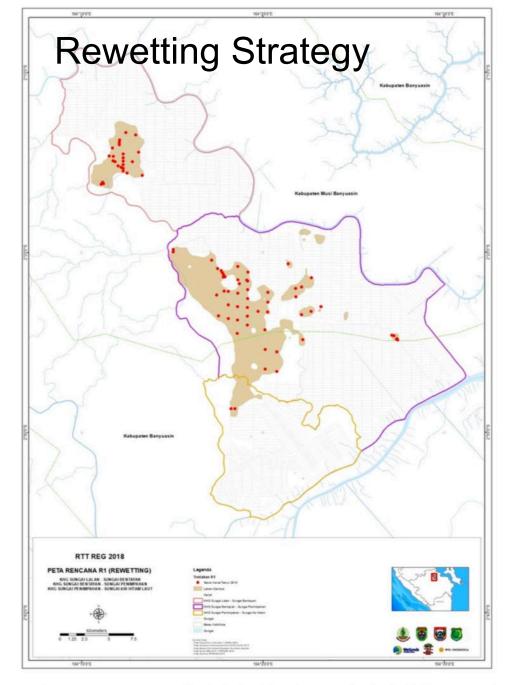
### Provincial-level Peatland Restoration



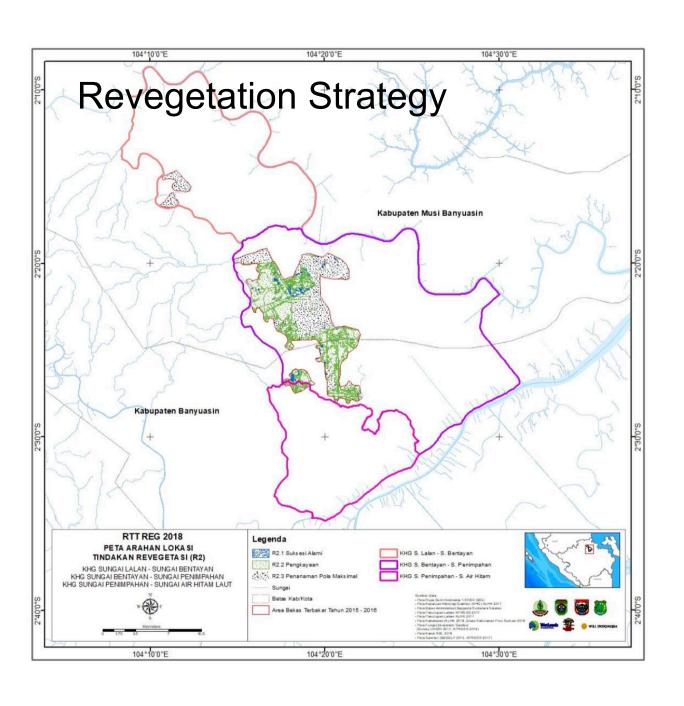
# South Sumatra – areas to be rewetted

### Provincial-level Peatland Restoration

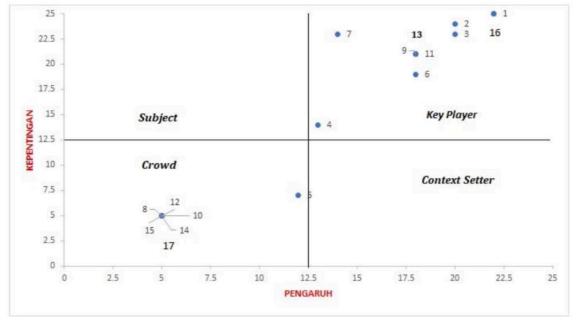




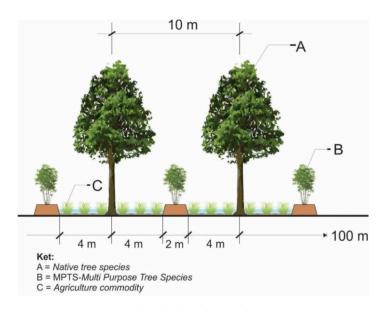
**Gambar 37.** Rencana penempatan titik-titik sekat kanal di areal target pembasahan kembali (R1-Rewetting) (**Peta A0 tersedia pada lampiran**)



### **Livelihood Revitalization Strategy**

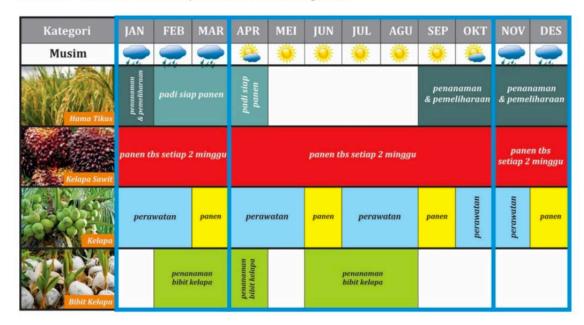






Gambar 78. Desain demplot agroforestry

Tabel 49. Kalender musiman penduduk Desa Karang Mukti



Gambar 56. Matriks Pemetaan Stakeholder di Desa Karang Mukti yang berkaitan dengan kegiatan restorasi

### MANGROVE RESTORATION WORKSHOP WAS HELD TO COLLECT STORIES DIRECTLY FROM EXPERTS AND GRASSROOTS ORGANIZATIONS, PART OF DEVELOPMENT OF ROAM FOR MANGROVES

2

days of workshop in 3-4 Oct 2018 in Tangerang, Banten

**54** 

experts and practitioners on mangrove restoration

4

motivations to restore have been identified (benefits, awareness, crisis events, legal requirements)

5

key success factors are found in most of restoration projects

5

bottom-up recommendations have been made for Indonesia Blue Carbon Strategy Framework



# WORKSHOP PARTICIPANTS HAVE IDENTIFIED TOP FIVE KEY FACTORS FROM SUCCESSFUL MANGROVE RESTORATION PROJECTS



#### **Local Champion**

could catalyze
mangrove restoration
and ensure its
sustainability



### Native Seedlings Availability

are among critical elements of mangrove restoration from technical point of view



### Physical Environment Suitability

determines the survival rate of the planted mangrove trees



### Capacity

to decide restoration location can ensure that mangroves are planted in a suitable landscape



## Tenurial Security

should be ensured before implementing a mangrove restoration project

### THIS MANGROVE RESTORATION WORKSHOP HAS IDENTIFIED

# TECHNICAL, SOCIETAL, AND INSTITUTIONAL STRATEGIES FOR MANGROVE RESTORATION









#### Cross-Institutional Consolidation

is required, especially to avoid overlap between central and grassroots initiative and to improve coordination

### Tenurial Conflict Transformation

approach should be applied as many degraded mangrove areas are used as aquaculture ponds

# **Local Knowledge**

such as customary
arrangement on
resource extraction
and species
identification could
yield in a sustainable
mangrove restoration

## **Alternative Livelihood**

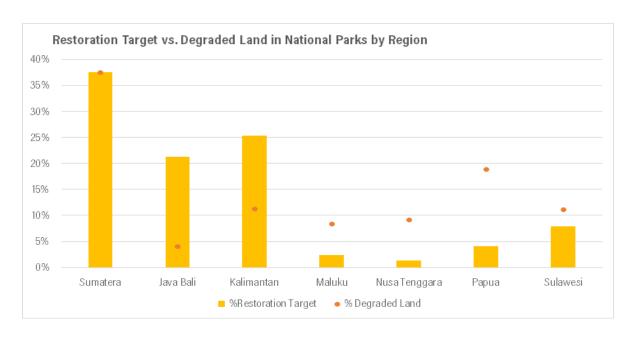
for communities
should be designed
when restoring
mangrove due to
communities'
dependence on the
area

# Sustainable Financing

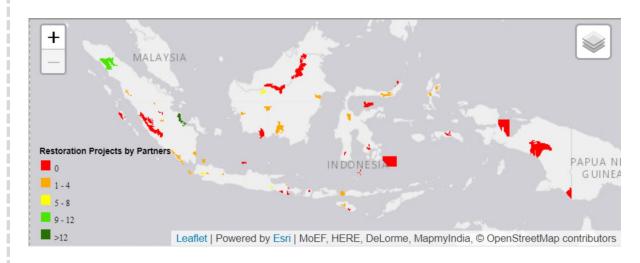
strategies could be developed to incentivize mangrove restoration and attract more actors to invest in it

#### INDONESIA SEES TWO MILLION HECTARES OF DEGRADED CONSERVATION AREAS AND

#### THE RESTORATION TARGET WILL ONLY COVER 5% OF THEM



- 100,000 hectares of degraded conservation areas are to be restored by 2019, but it largely overlooked degraded areas in eastern Indonesia
- The lack of budget allocation keeps restoration achievement low and restoration partnership could fill the gap



- Participatory restoration involving public, private and communities is pursued by Indonesian government
- However, only 90 restoration partnerships are identified, but concentrated in western Indonesia



#### PARTICIPATORY RESTORATION IN GUNUNG LEUSER NATIONAL PARK SHOWS THAT INCENTIVES COULD DRIVE

#### COMMUNITIES TO PARTICIPATE IN RESTORING DEGRADED FOREST

Restoration Participation	Coefficient	S.E	<b>Odds Ratio</b>
Perceived benefits	1.453*	.809	4.278*
Environmental motivation	1.104	1.032	3.017
Perceived costs	519	.502	.595
Gender	1.378*	.788	3.967*
Household role	-3.573***	1.004	.0281***
Existence of customary rule	2.076**	1.035	7.976**
Restoration information	3.435***	1.039	31.032***
Constant	-11.342**	4.665	.0000**
Sample size	111		

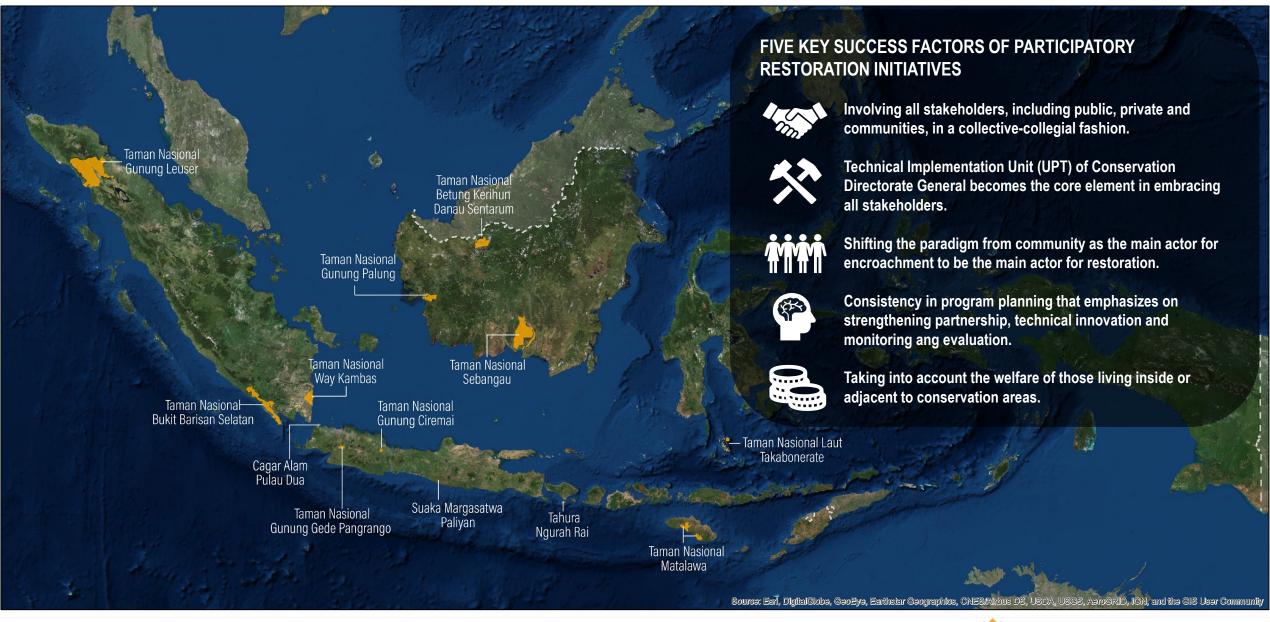
<sup>\*/\*\*\*</sup> denotes significance at the 10%5%/1% level

#### **HIGHLIGHTS**

- Participatory restoration could yield a more sustainable result and it requires incentives for locals
- In Gunung Leuser National Park, communities' participation in restoration are driven by benefits
- These benefits include: wildlife conflict and drought prevention, water provisioning, and livelihood
- Since human-forest interaction is weak in Gunung Leuser, raising their awareness is critical for successful restoration initiative



#### MOEF AND WRI INDONESIA HAVE PUBLISHED A BOOK ON PARTICIPATORY RESTORATION IN PROTECTED AREAS



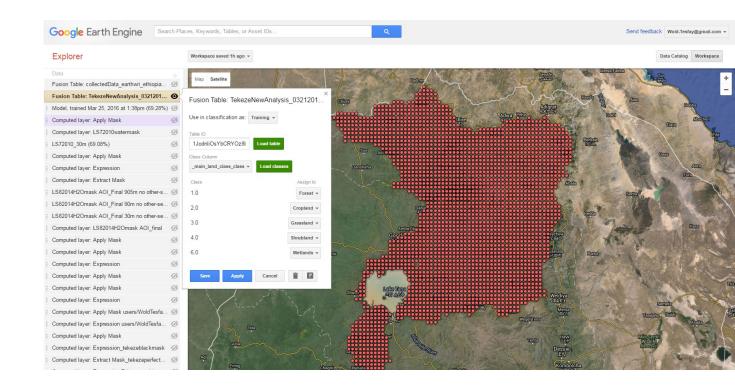
### Why monitor?

- To understand the techniques and practices that most effectively restore and protect the land, allowing better adaptive management and more benefits to flow to communities (e.g., you can only manage what you measure)
- To **unlock investments** by donors, investors, and stakeholders (e.g., Pay-for-Performance)
- To **inspire replication** by providing independent evidence of success to peer institutions, investors, local and national governments, and international bodies
- To create greater transparency of progress, achievements, and impact

### Measuring biophysical indicators

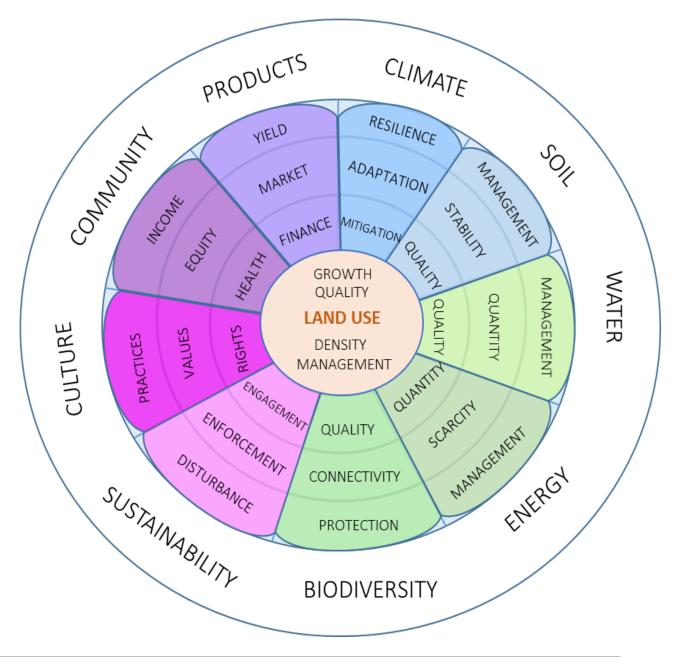
Upcoming publication on lessons learned from using Collect Earth in India, El Salvador, Ethiopia, and Rwanda, in cooperation with FAO

Focus on measuring landuse land-cover and trees outside forests

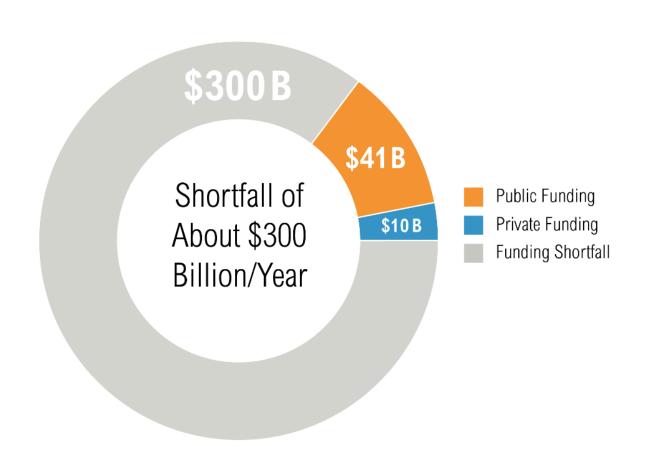


# Designing a restoration monitoring system

Upcoming publication on selecting the best indicators for local contexts, using examples from El Salvador, Ethiopia, Kenya, and Malawi, also in cooperation with FAO



# The New Restoration Economy



How do we close the restoration funding gap?

### NRE - Increasing Private Investment in Restoration



Investors ask:



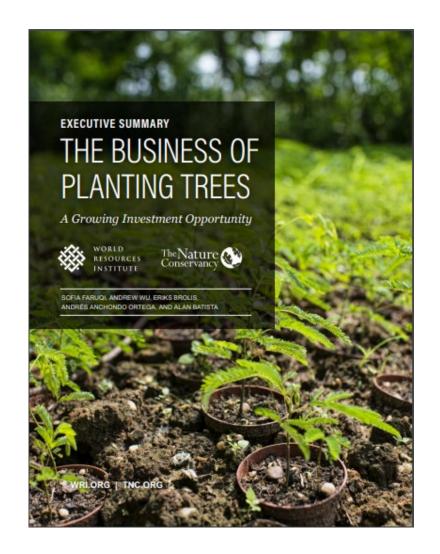
What do restoration business opportunities look like?



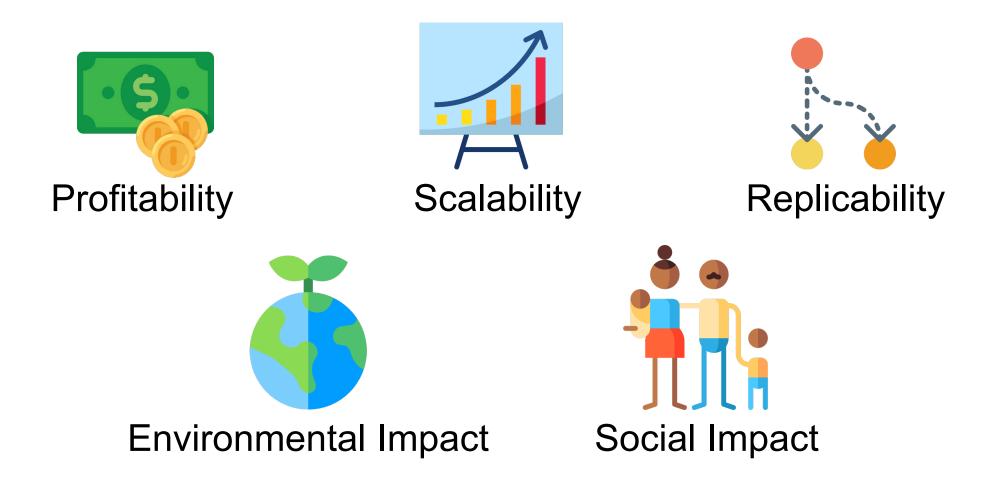
How can restoration business models generate a return?

# Making the Business Case for Restoration

- 140 businesses analyzed
- 14 companies profiled
  - Technology
  - Consumer Products
  - Project Management
  - Commercial Forestry
- Australia, Brazil, Canada, Germany, Kenya, Netherlands, UK, USA



# Company Selection Criteria





# NRE - Looking Ahead

- Private sector workshops: business-investor matchmaking
  - <u>Land Accelerator</u>: convening restoration enterprises from all over Africa to receive business and technical training, as well as access to private finance
- Digital restoration business & project marketplace/platform
- Restoration impact investment metrics with the Global Impact Investing Network (GIIN)
- Increase the bundling of smaller sized projects/investments
- Promote blended deals with Development Finance Institutions (DFIs) to offset investor risk