

RESTORATION SCOPING DIALOGUE

Rajat Panwat & Laura Toro



Provide a baseline of information on the current state of knowledge related to the forest sector's role in restoration with specific focus on the role of the private sector



A diverse collection of insects is displayed on a white background. At the top left is a large green stick insect. To its right is a monarch butterfly with orange and black wings. Below the stick insect is a large brown beetle with white spots. In the center-left is a butterfly with bright red and black wings. To its right is a large dragonfly with a yellow body and transparent wings. At the bottom left is a large brown beetle with prominent mandibles. In the center is a green cicada with transparent wings. To its right is a large beetle with a metallic red and green sheen. Various other insects like ladybugs, bees, and smaller beetles are scattered throughout the composition.

The collapse of insects



Urgent call from governments & COPs

- Conserve remnant natural ecosystems
- **Restore** degraded ecosystems:

Urgent call from governments & COPs

- Conserve remnant natural ecosystems
- **Restore** degraded ecosystems
 - 2 billion hectares of degraded land
 - tackle climate change
 - protect the livelihoods of local communities
 - decarbonize industrial value-chains



**BONN
CHALLENGE**



**Convention on
Biological Diversity**



United Nations
Convention to Combat
Desertification



UN DECADE
ON
**ECOSYSTEM
RESTORATION**
2021-2030



Food and Agriculture
Organization of the
United Nations



Forest Landscape Restoration

“an active process that brings people together to identify, negotiate and implement practices that restore an agreed **optimal balance of the ecological, social and economic benefits** of forests and trees within a broader pattern of land uses.”

Private sector & Ecosystem Restoration

- The private sector is key to accomplish restoration goals

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- Active reforestation and tree plantation initiatives



Private sector & Ecosystem Restoration

- The private sector is key to accomplish restoration goals
- Active reforestation and tree plantation initiatives
- Engagement of forest-based industries in ecosystem restoration

Priority areas for the forest sector:

1. Build unity within the forest sector through a **shared ecosystem restoration vision**
2. Develop **metrics** to facilitate goal setting and measure of restoration outcomes
3. **Collaborate** with other stakeholder groups
4. Understand how **degraded land** and **forest sector capacity aligns**
5. Establish **new business cases** for ecosystem restoration
6. Identify and build understanding about **business and financial models** that enhance shared value and deliver multiple outcomes

1. Shared vision and unity

Disagreements on:

1. Shared vision and unity

Disagreements on:

- restoration definitions

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Disagreements on:

- restoration definitions
ecological & social perspectives

1. Shared vision and unity



















**How – and to what extent – to balance
ecological and social needs through restoration
projects?**

1. Shared vision and unity

Disagreements on:

- restoration definitions
 - ecological & social perspectives
- level of intervention

1. Shared vision and unity

	Type	Cost	Biodiversity Benefits	Economic Potential
Natural regeneration	Natural forest regrowth			
	Assisted natural regeneration			
Active restoration	Ecological restoration			
	Small farmer reforestation, e.g. agroforestry, woodlots			
	Commercial, large-scale reforestation			
	Commercial reforestation with safeguards, e.g. certification			

Source: Adapted from Chazdon, R. et al. 2017.
20.02.01



WORLD RESOURCES INSTITUTE

1. Shared vision and unity

Disagreements on:

- restoration definitions
 - Ecological & Social perspectives
- level of intervention

Potential agreements:

- European Union Nature Restoration law
- FSC's motion 37

2. Stakeholder collaboration

- Identification of stakeholders and their goals



2. Stakeholder collaboration

- Identification of stakeholders and their goals
- Integration of stakeholder perspectives

2. Stakeholder collaboration

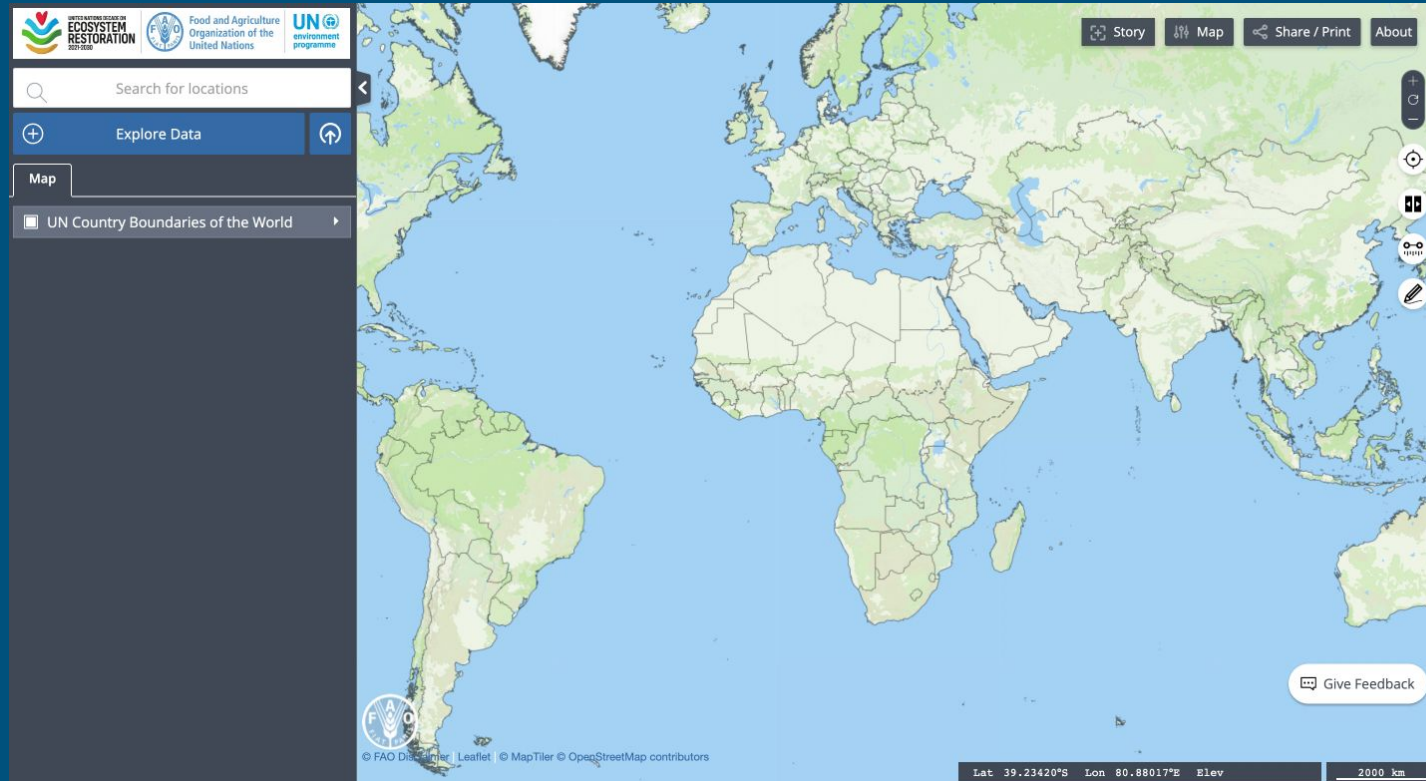
- Identification of stakeholders and their goals
- Integration of stakeholder perspectives

Which are relevant stakeholders?

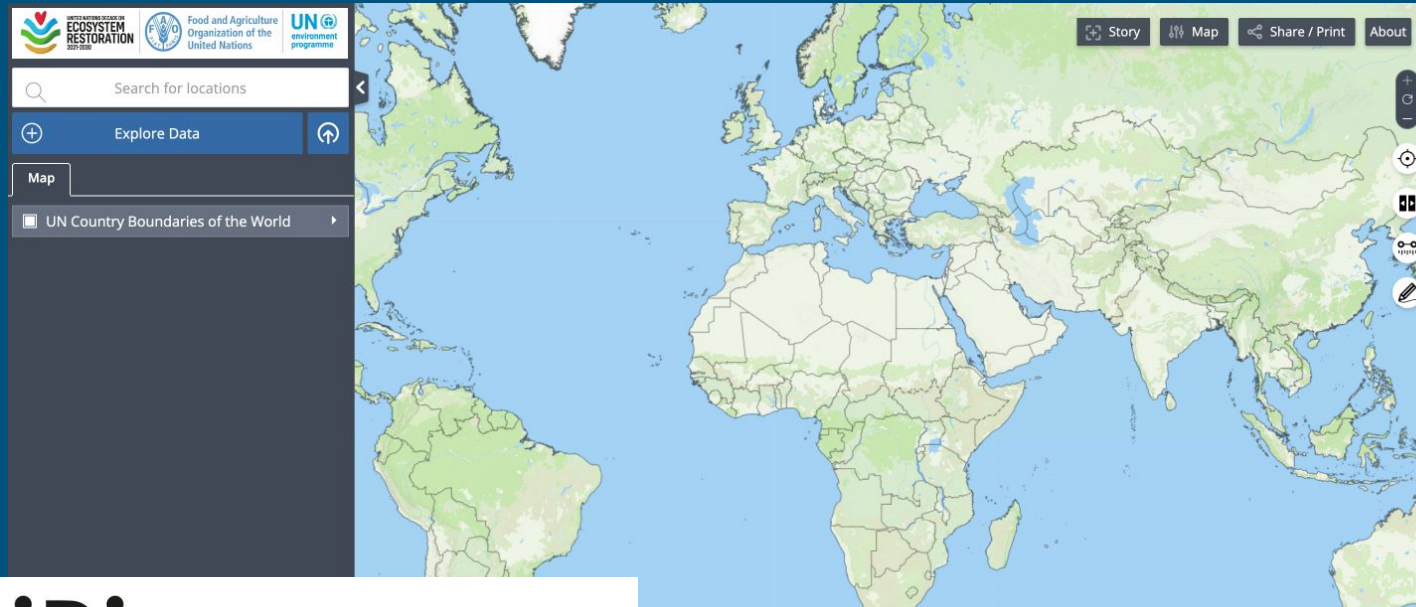
3. Metrics/measurement

- Scale
- Multiple metrics for different purposes

3. Metrics/measurement – Monitoring Task force

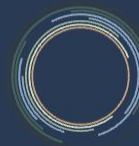


3. Metrics/measurement – Monitoring Task force



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German Centre for Integrative
Biodiversity Research (iDiv)
Halle-Jena-Leipzig



SCIENCE BASED TARGETS NETWORK
GLOBAL COMMONS ALLIANCE

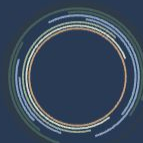
3. Metrics/measurement – Monitoring Task force

How to identify adequate metrics that can be used for both restoration monitoring and certification initiatives on a given site?



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SCIENCE BASED TARGETS NETWORK
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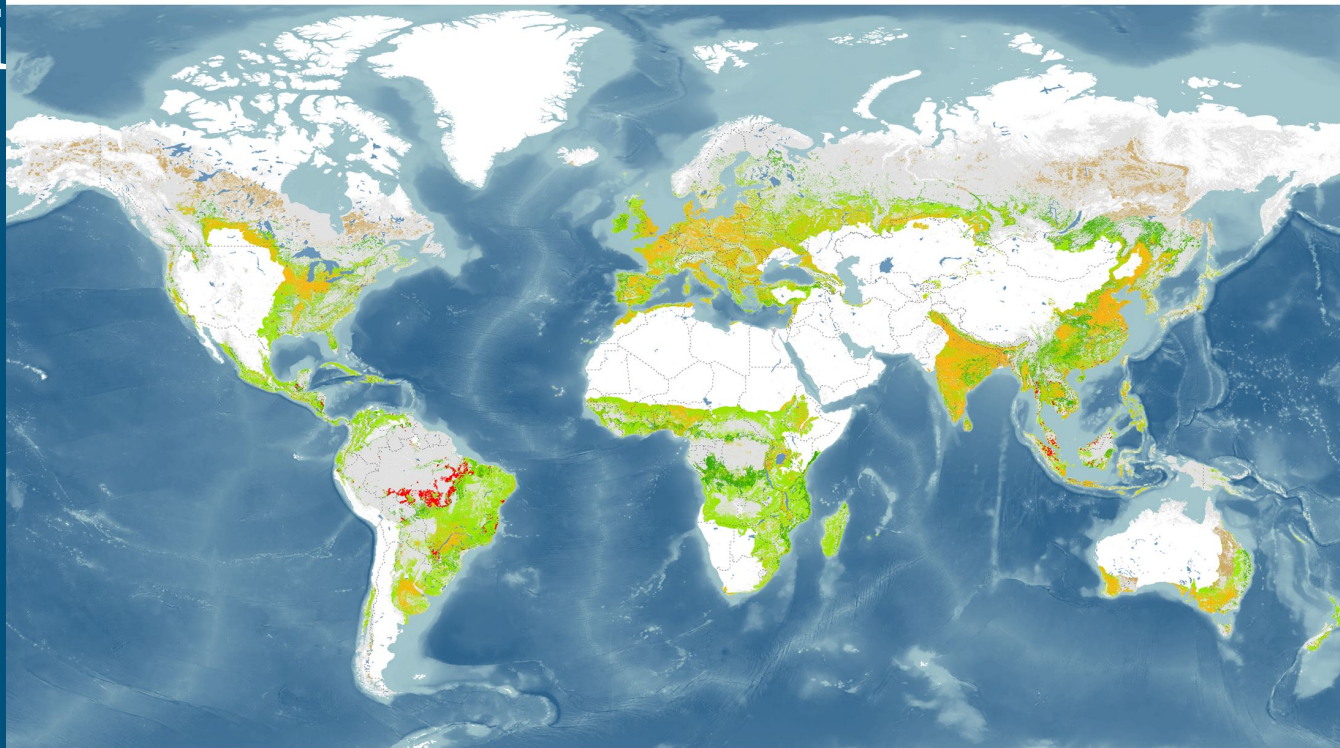
4. Capacity alignment

Identify suitable areas to implement restoration

A World of Opportunity for Forest and Landscape Restoration

Identi

ration



FOREST AND LANDSCAPE RESTORATION OPPORTUNITIES

- Wide-scale restoration
- Mosaic restoration
- Remote restoration

OTHER AREAS

- Agricultural lands
- Recent tropical deforestation
- Urban areas
- Forest without restoration needs





MAPBIOMAS

v. 7.0



3D



+

-



-12,38, -25,58

500 km

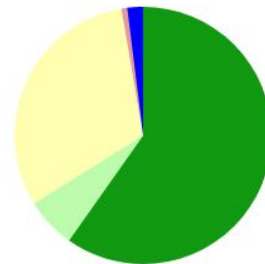


2021

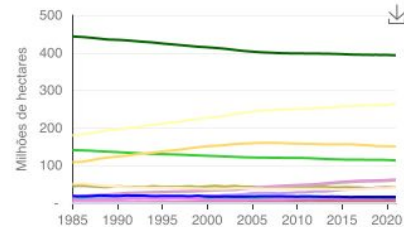
ESTATÍSTICAS



Visualização por classe (Nível 1 - 2021)



Série histórica



VISUALIZAR DADOS



MAPBIOMAS

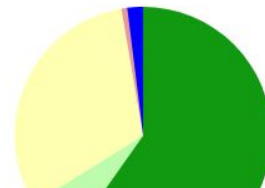
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ESTATÍSTICAS



Visualização por classe (Nível 1 - 2021)



How to translate large-scale degradation maps that do not consider local communities into fine-scale inclusive maps where restoration can be implemented?

Série histórica



VISUALIZAR DADOS



-12,38, -25,58

500 km



2021

4. Capacity alignment

The role of the forest sector

- Millions of high-quality seeds and seedlings required
- Demand for large—scale production of plant material

4. Capacity alignment

The role of the forest sector



4. Capacity alignment

The role of the forest sector



COST



BENEFIT



ANALYSIS



5 – 6. Business case and financing



5 – 6. Business case and financing

How best to tie the forest sector's restoration expertise with emerging investment opportunities?



Conclusion

The participation and expertise of the forest sector is key to accomplish global ecosystem restoration target

Fracture lines

1. How – and to what extent – to balance ecological and social needs through restoration projects?
2. Which are relevant stakeholders?
3. How to identify adequate metrics that can be used for both restoration monitoring and certification initiatives on a given site?
4. How to translate large-scale degradation maps that do not consider local communities needs into fine-scale inclusive maps where restoration initiatives can be implemented?
5. How best to tie the forest sector's restoration expertise with emerging investment opportunities?
6. **How to make restoration strategies cost-effective given the initial conditions of the area?**
7. **How to articulate the relationship between plantation/reforestation and restoration especially given that other sectors consider them essentially the same?**
8. **How to reconcile between restoring to a static end state and setting restoration targets given of restoration?**