

Upscaling community resilience through Ecosystem-based Disaster Risk Reduction (Eco-DRR)

Case study 3 Indonesia

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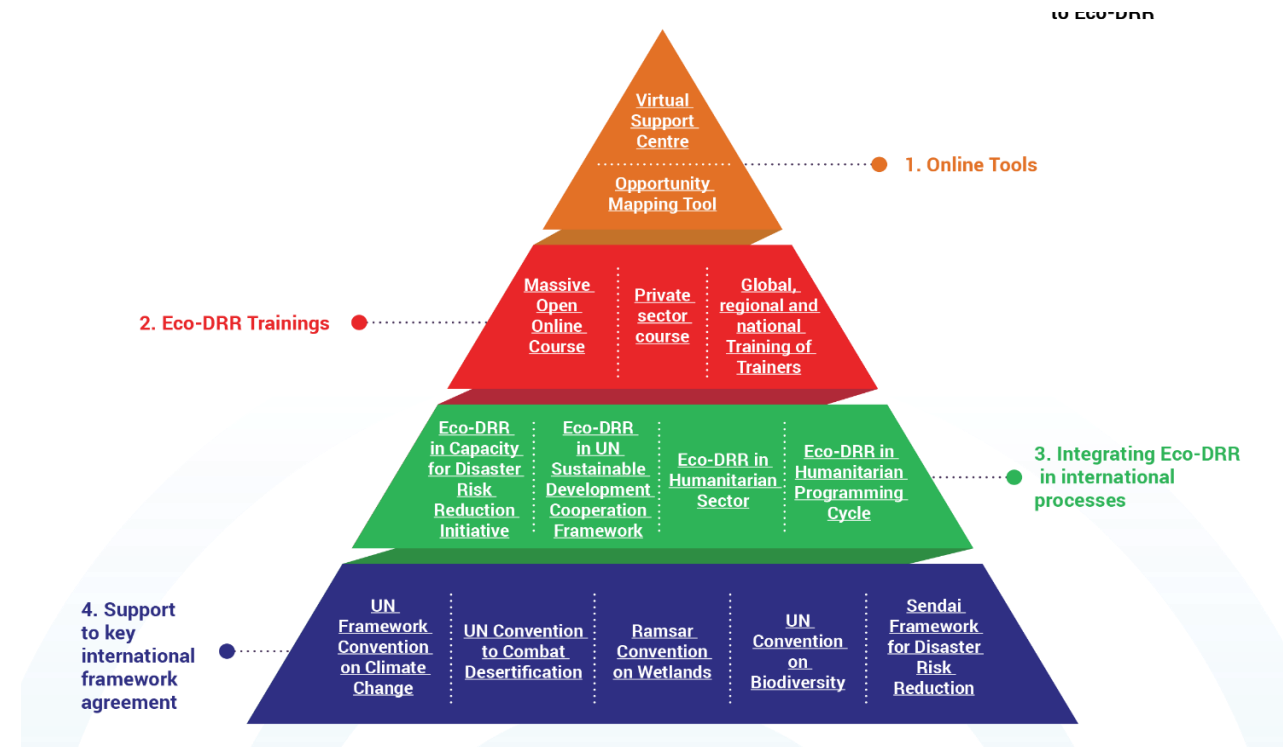
Wetlands International

Water and Climate Change Adaptation
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Mainstreaming –

Catalyse new investments in ecosystems and new Eco-DRR initiatives through capacity-building, technical guidance and advocacy

- Provide online knowledge and decision-making tools
- Capacity building and outreach
- Advocating for integration of Eco-DRR in international processes
- Supporting International framework agreements



Leveraging –

Eco-DRR is integrated in ongoing large-scale national development programs in India

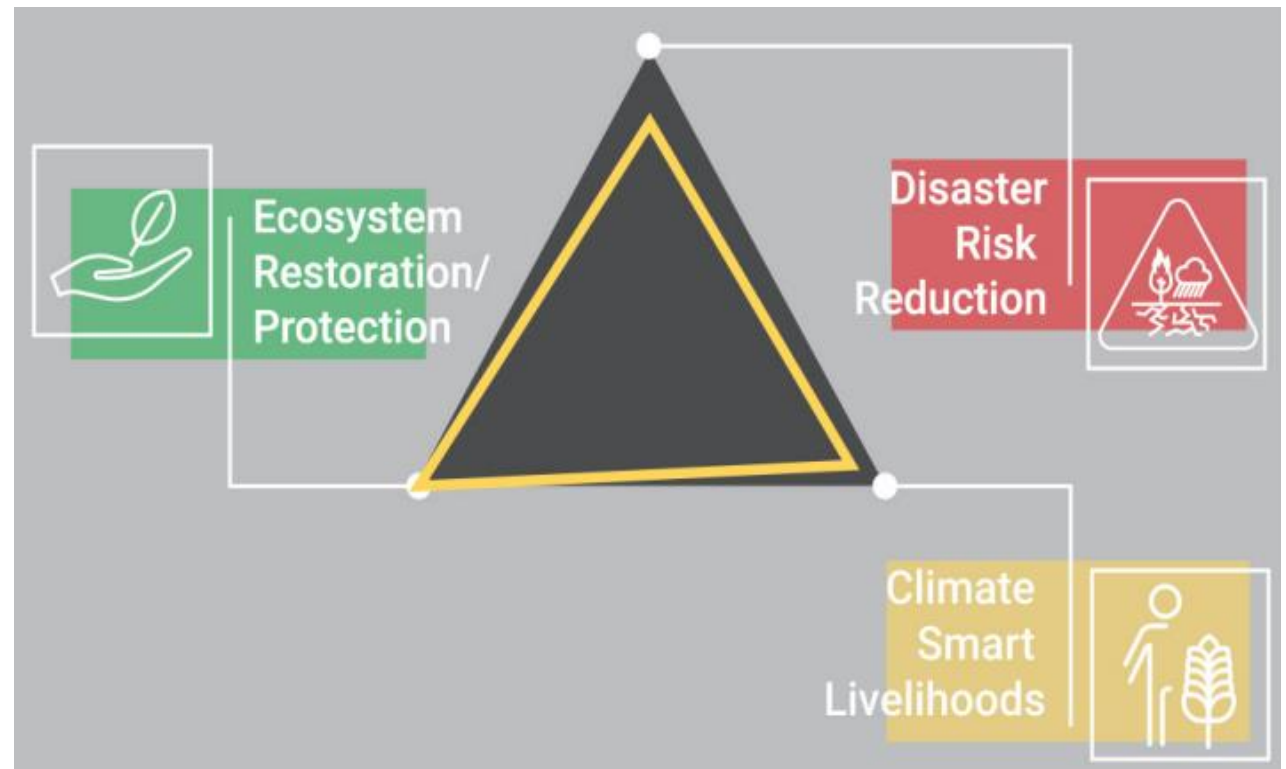
- **Develop targeted training for the MGNREGS at state and national level**
- **MGNREGS NRM works to address and mitigate the main hazards in India**
- **Eco-DRR embedded in government DRM Plans**
- **Eco-DRR policy is being advocated at the national level**



Demonstrating – Community-based models for scaling-up Eco-DRR with local actors

Five country models: Uganda, Haiti, Indonesia, India, Ethiopia

- This component is implemented by the Partners for Resilience (PfR) Consortium
- Focus on three elements: ecosystem restoration; disaster risk reduction; and climate smart livelihoods

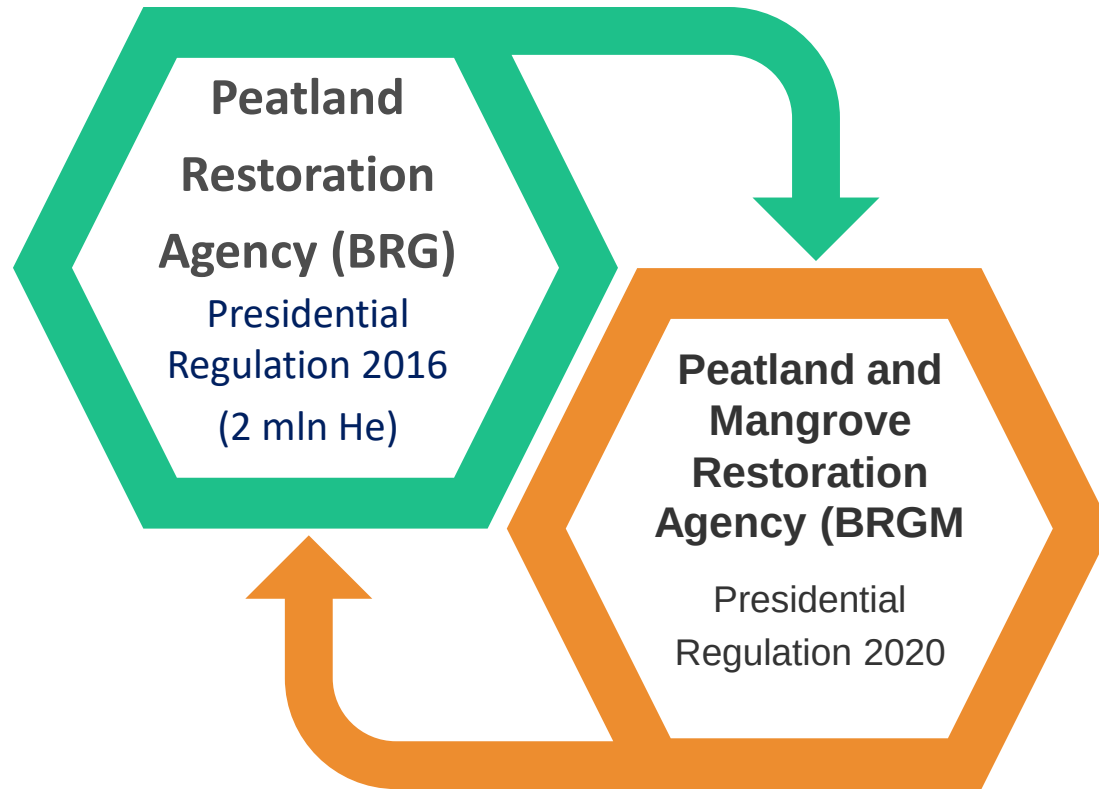


Key Peatland facts

- 3% of the world's land area
- contain 500GT of carbon
- **2x carbon stock in total global forest biomass**
- **Peatland drainage, degradation and fires: approx. 5% of global emissions**
- **Need to Restore 50 million hectare of peatland by 2050 to meet 1.5C target (*Ramsar Global Guidelines, 2021*)**



Indonesia's #ActsForWetlands



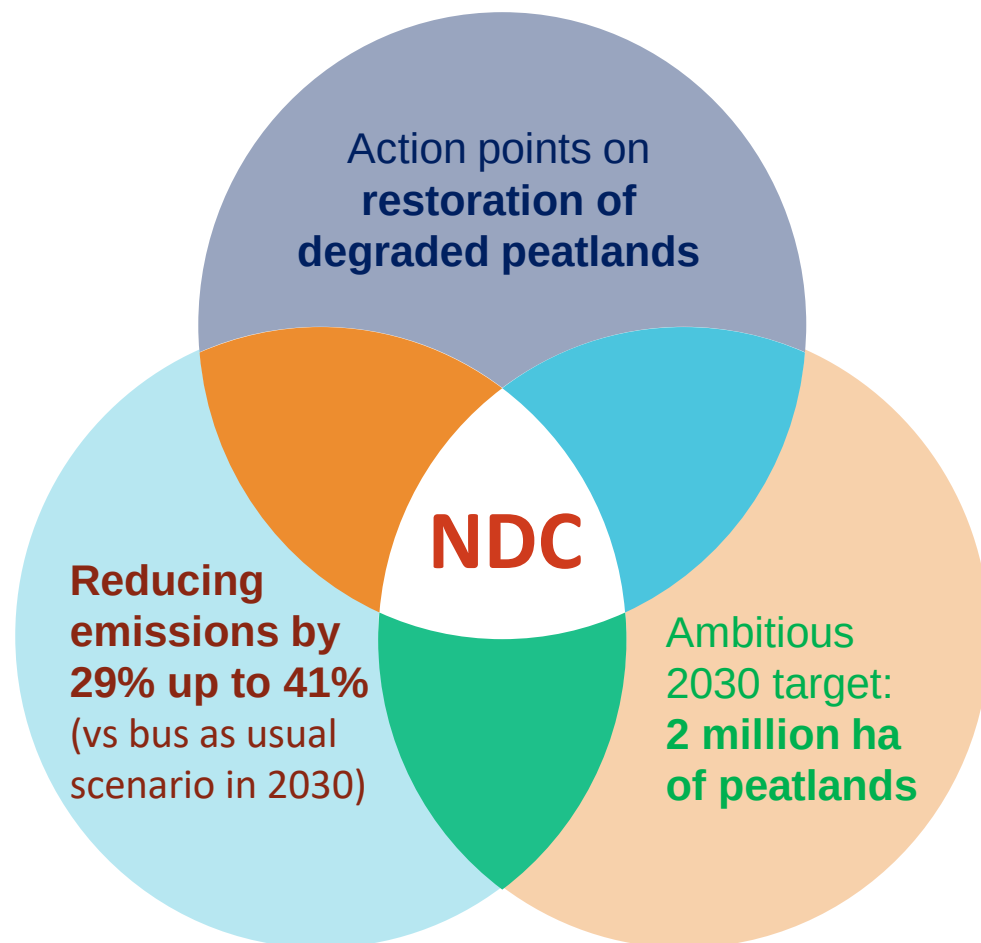
BRGM mandate:

- Facilitate the acceleration of **Restoration of 1.2 million hectares of peatlands** and 600,000 hectares of mangrove
- and improvement of **community livelihood** in targeted provinces

Applying 3Rs:

- **rewetting** drained peatlands,
- **revegetating** landscapes
- **revitalizing** local communities' socio-economic conditions

Indonesia's #ActsForWetlands



Indonesia's Eco-DRR Upscaling Model



Ecosystem restoration & protection:

- 3R approach: Rewetting, Revegetation, and Revitalisation
- Paludiculture techniques



Climate Smart Livelihoods:

- Bio-rights financial schemes
- Trainings on peat knowledge & diversification of livelihoods

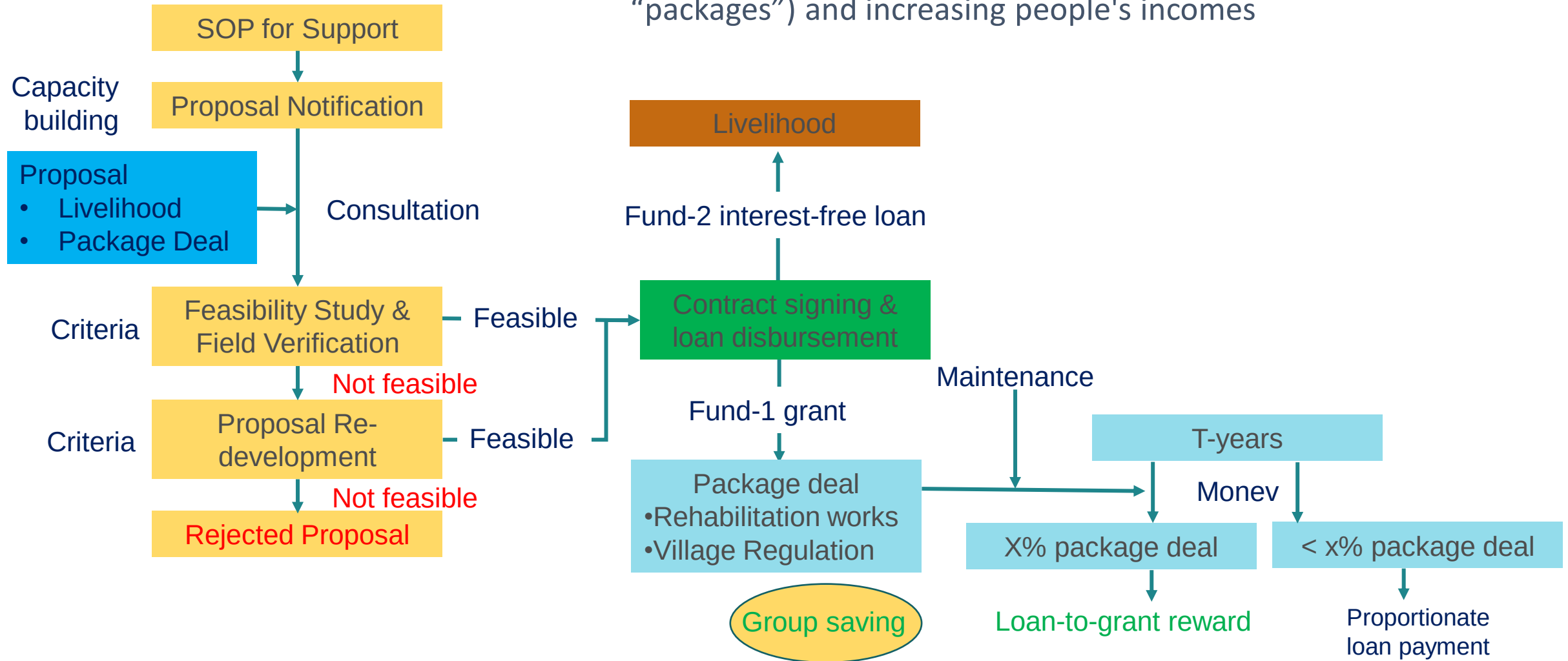


Disaster Risk Reduction:

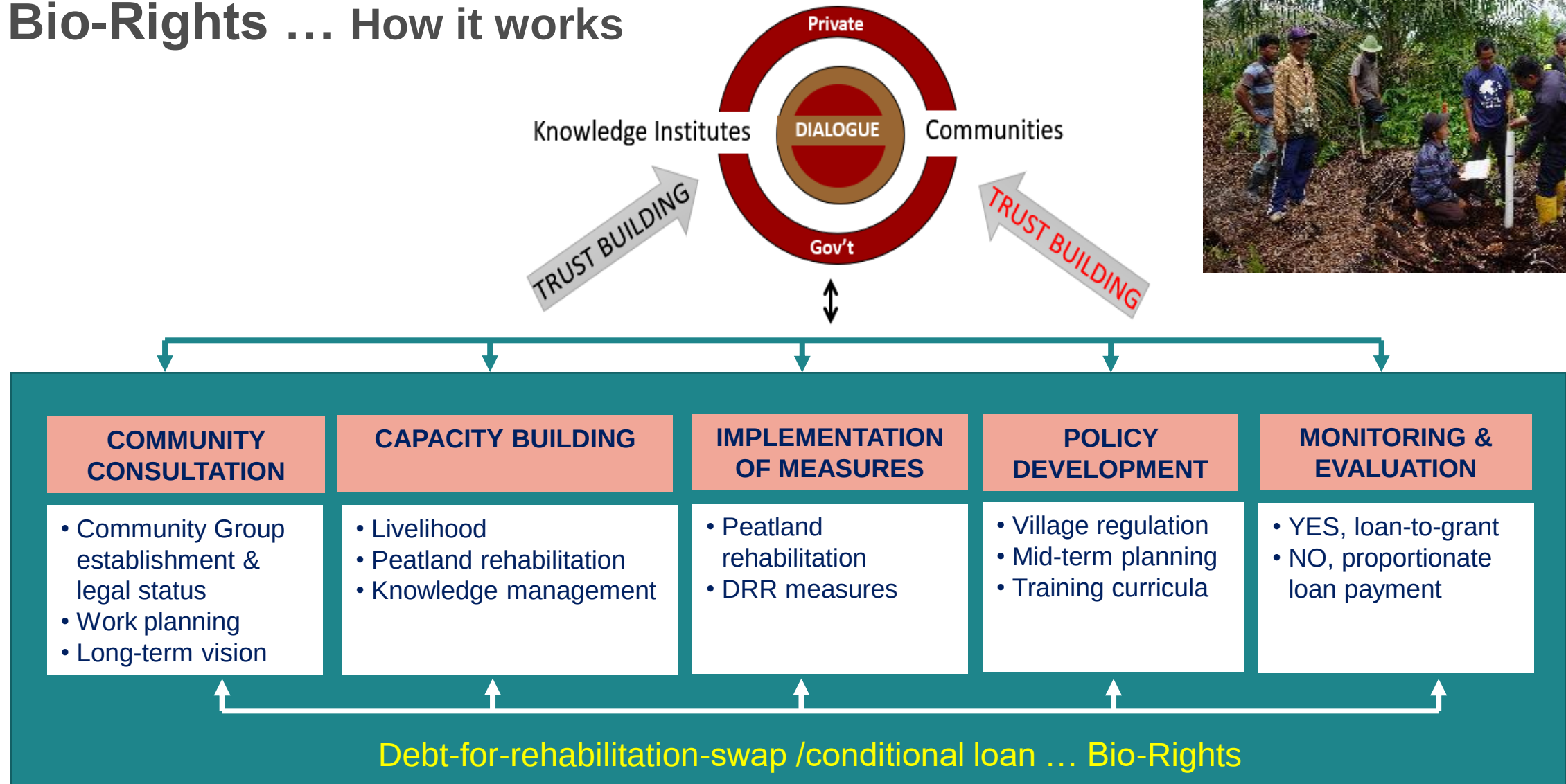
- Hydrological monitoring: early warning tool
- Community-based fire brigades



Bio-Rights Financial mechanism for interest-free conditional loans, linking nature-based solutions initiatives (we call them “packages”) and increasing people's incomes



Bio-Rights ... How it works



Upscaling Eco-DRR Measures



Pengurangan Risiko Bencana Berbasis Ekosistem (Eco-DRR) di Ekosistem Gambut Indonesia

Upscaling Eco-DRR Measures: Integration of Peat Restoration (re-wetting) and floating net fish-cage



Upscaling opportunities based on project results and experiences



- Direct support and engagement of District Government, including the strategic direction on the sustainability of the project
- National workshop / outreach to National Peatland and Mangrove Restoration Agency (BRGM)
- Actively engaged on the development of “Manual on Peatland Management without Burning” hosted by BRGM



Lesson Learned from Indonesia

01 **Rehabilitation measures & Community livelihood**
Bio-rights approach is an effective way to arrive at stewardship of environment by local communities

03 **Upscaling of Eco-DRR**
Strong interest from local & national stakeholders in the project's approach as a model for upscaling of Eco-DRR

05 **Policy influencing**
Effective participation & local ownership in influencing policy making



02 **Multiple benefits**
Upscaling the Eco-DRR model can have multiple benefits on climate, disaster, development agendas.

04 **Local budgeting**
Proposing multi-year biorights plans to the local government plans and budgets could be challenging within annual/single year planning system.



What's next?

- (Inter)national exposure on the impact of the project: e.g. project approach, project effectiveness on community engagement
- Community initiative sustainability with limited resources need to be upscaled with wider supports
- Leverage effectiveness of collaboration between local-based implementing actors and global strategic actors to inspire and mobilize to take action on upscaling

Thank you