

Forest conservation for mitigation and adaptation



Conservation International Japan
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OUTLINE

- JCM REDD+ project in Cambodia
- Nature-based Mitigation (Natural Climate Solutions)
- Nature-based Adaptation



JCM REDD+ PROJECT IN CAMBODIA

Joint Crediting Mechanism (JCM) in Cambodia

- 2014 Bilateral document signed
- 2018 JCM REDD+ Guidelines approved
- 2020 1st REDD+ methodology approved


The Prey Lang JCM REDD+ project

Started in 2018 as a partnership between

- The Ministry of Environment, Cambodia (MOE)
- Mitsui & Co.
- Conservation International (CI)



Prey Lang Wildlife Sanctuary



“Prey Lang” = Our Forest



One of the largest lowland forests in Indo-China

Rich Biodiversity

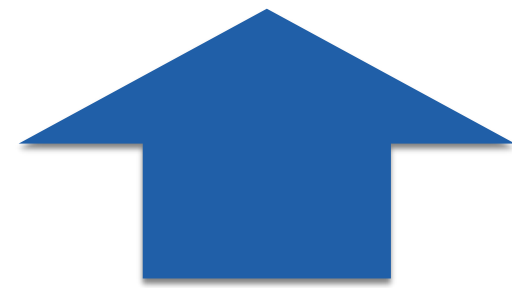


Watershed to the Mekong River and Tonle Sap Lake

DRIVER OF DEFORESTATION AND MEASURES TO REDUCE DEFORESTATION

Driver of deforestation

- Deforestation for agriculture due to small-holder community expansion as well as outside interests establishing plantations and farms



Underline causes

- Poverty
- Lack of livelihood options
- Lack of technical knowledge
- In-migration
- Unclear land title
- Lack of capacity and resources for protected area management



Project activities

- Effective protected area management to secure forest resources and stop forest loss
- Improve livelihood through the development of sustainable livelihood



LAW ENFORCEMENT AND PROTECTED AREA MANAGEMENT



- Patrol support
- Capacity building
- Technology
- Management and accountability

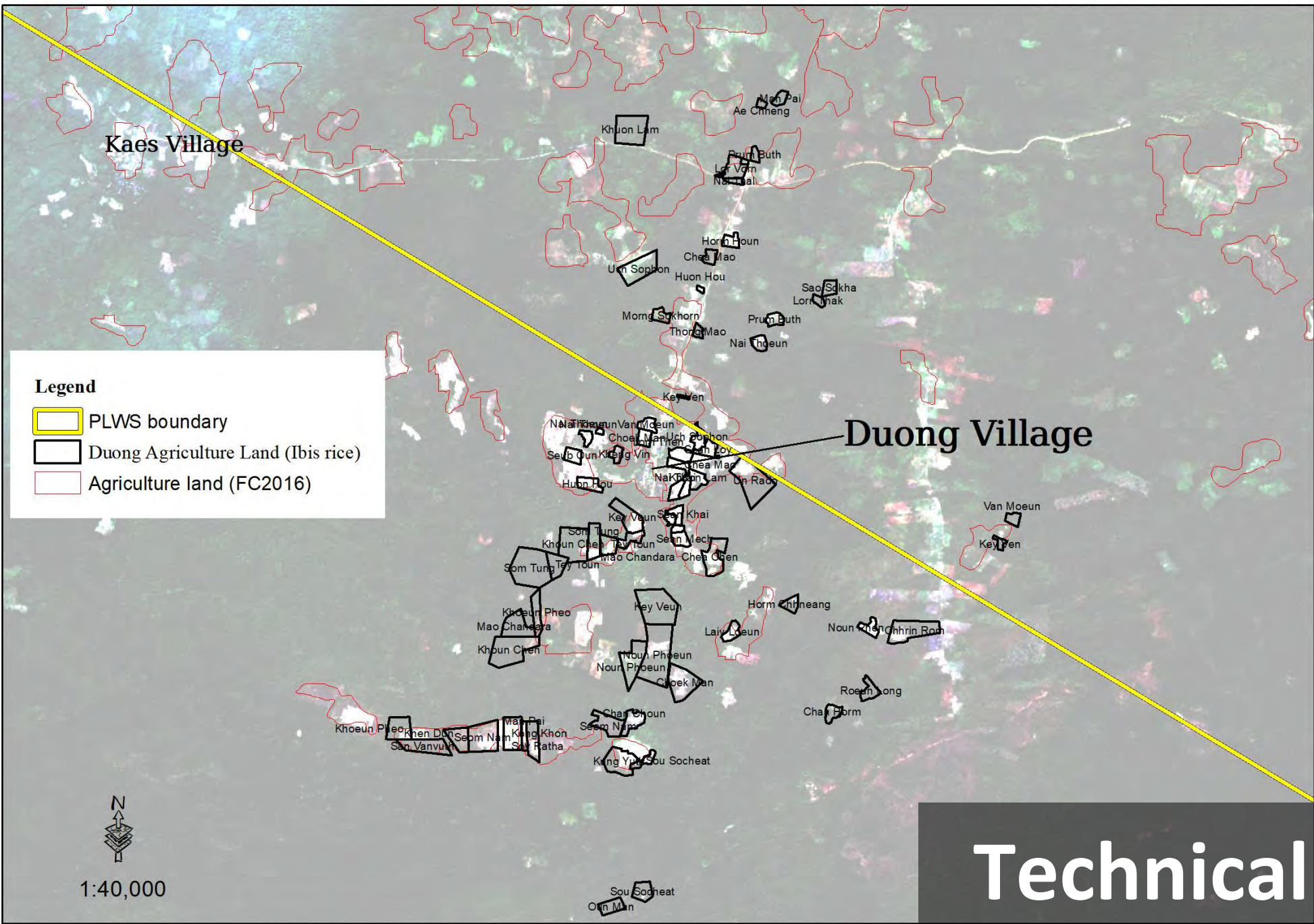


Sustainable Livelihood



Conservation compliant certified agriculture





Technical Working Groups on Ibis Rice Land information for registration Compliance checks

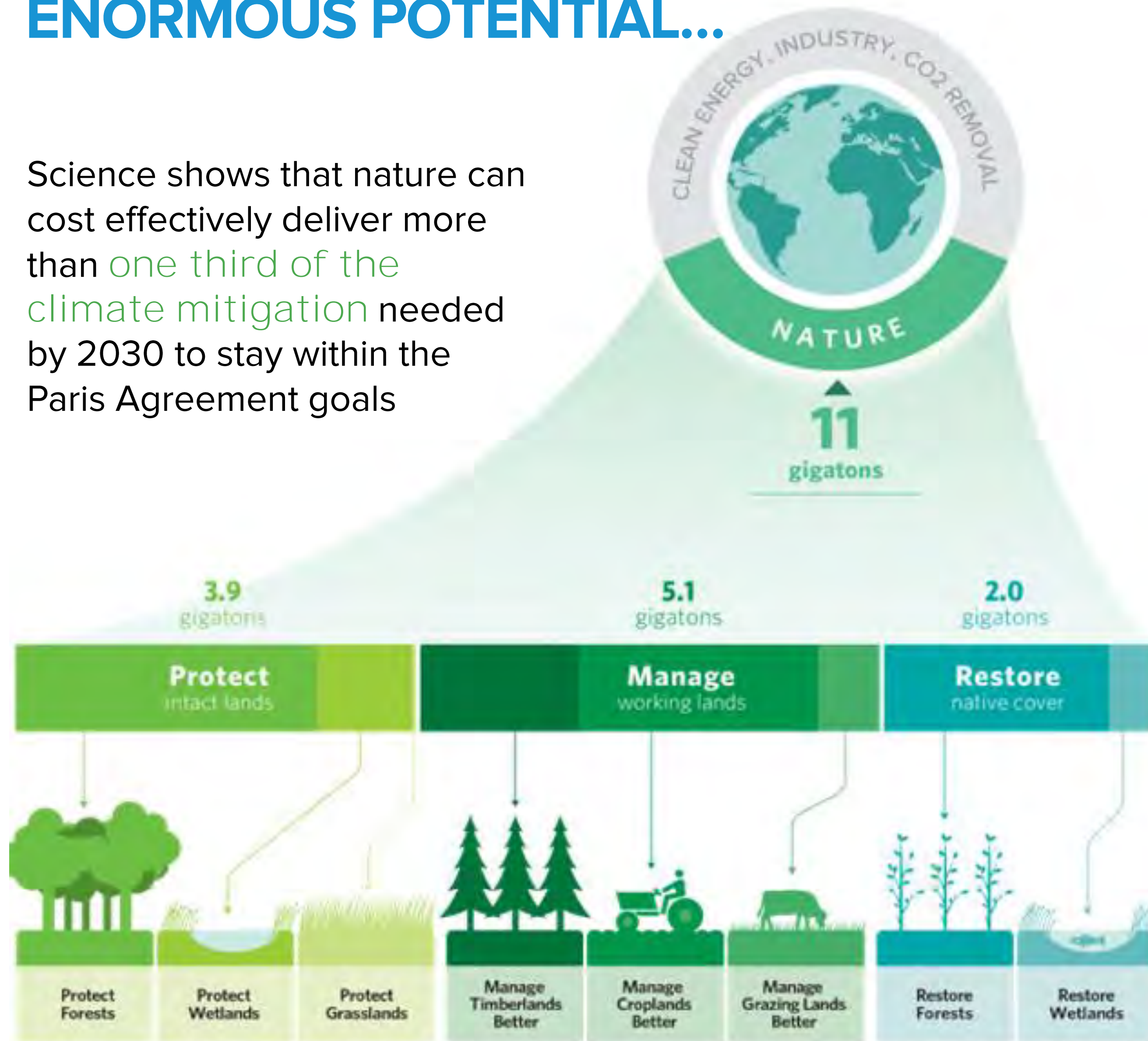




The local NGO, SMP, provides training to farmers and good-quality seeds

NATURAL CLIMATE SOLUTIONS (NCS) OFFER ENORMOUS POTENTIAL...

Science shows that nature can cost effectively deliver more than one third of the climate mitigation needed by 2030 to stay within the Paris Agreement goals



SOURCE | [Griscom et al., PNAS \(2017\)](#); [Griscom et al., 2020 Phil.Trans. Roy.Soc. B.](#); Nature Conservancy Magazine; 5W Infographics

...and yet are almost completely untapped

Funding for Nature



*CPI, 2020. Updated View of the Global Landscape of Climate Finance 2019 [Rob Macquarie, Baysa Naran, Paul Rosane, Matthew Solomon, Cooper Wetherbee] Climate Policy Initiative, London.

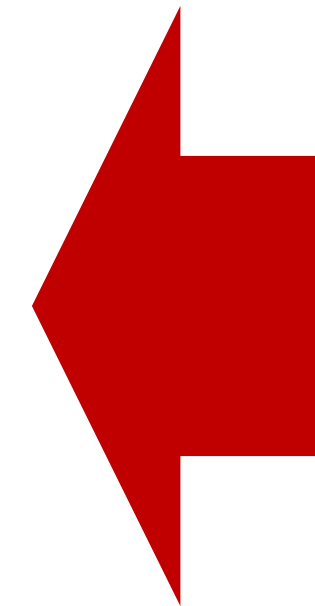


Race to the bottom on quality

Lack of early-stage finance has slowed supply of high-quality projects to date. We are witnessing the rush of new market entrants as demand for carbon credits increases. While this is what can and should happen, we are already seeing signs of a **race to the bottom**.

Risks include:

- Perception of a free pass to pollute
- Projects that are not “additional”
- Poorly designed projects
- Non-native monoculture plantations
- Commoditization trends that strip projects of context
- Projects that benefit private developers but exclude local communities



Crucial to

- Raise ambitions and standards within carbon markets
- Establish a high bar by creating high quality projects



NATURE-DEPENDENT PEOPLE

Fedele, G. et al (2021)

- More than two-thirds of the population of the tropics — about 2.7 billion people — directly depend on nature for at least one of their most basic needs (housing materials, water, energy, occupation)
- Populations highly dependent on nature for their basic needs are most sensitive to environmental changes.



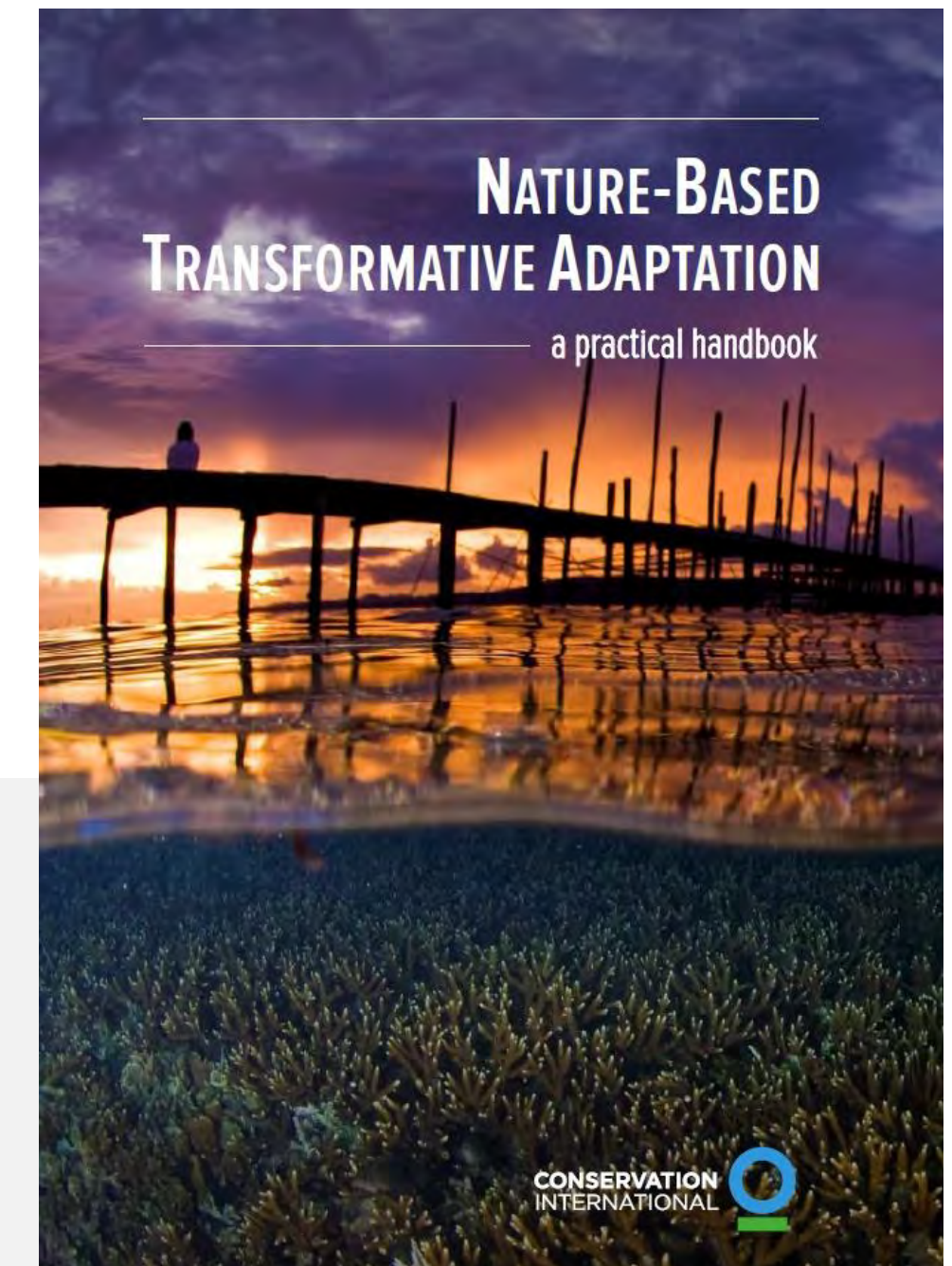
Important to protect and restore local ecosystems and biodiversity as means to support the local lives and livelihoods of those who need nature the most.



NATURE-BASED TRANSFORMATIVE ADAPTATION

Example from Madagascar

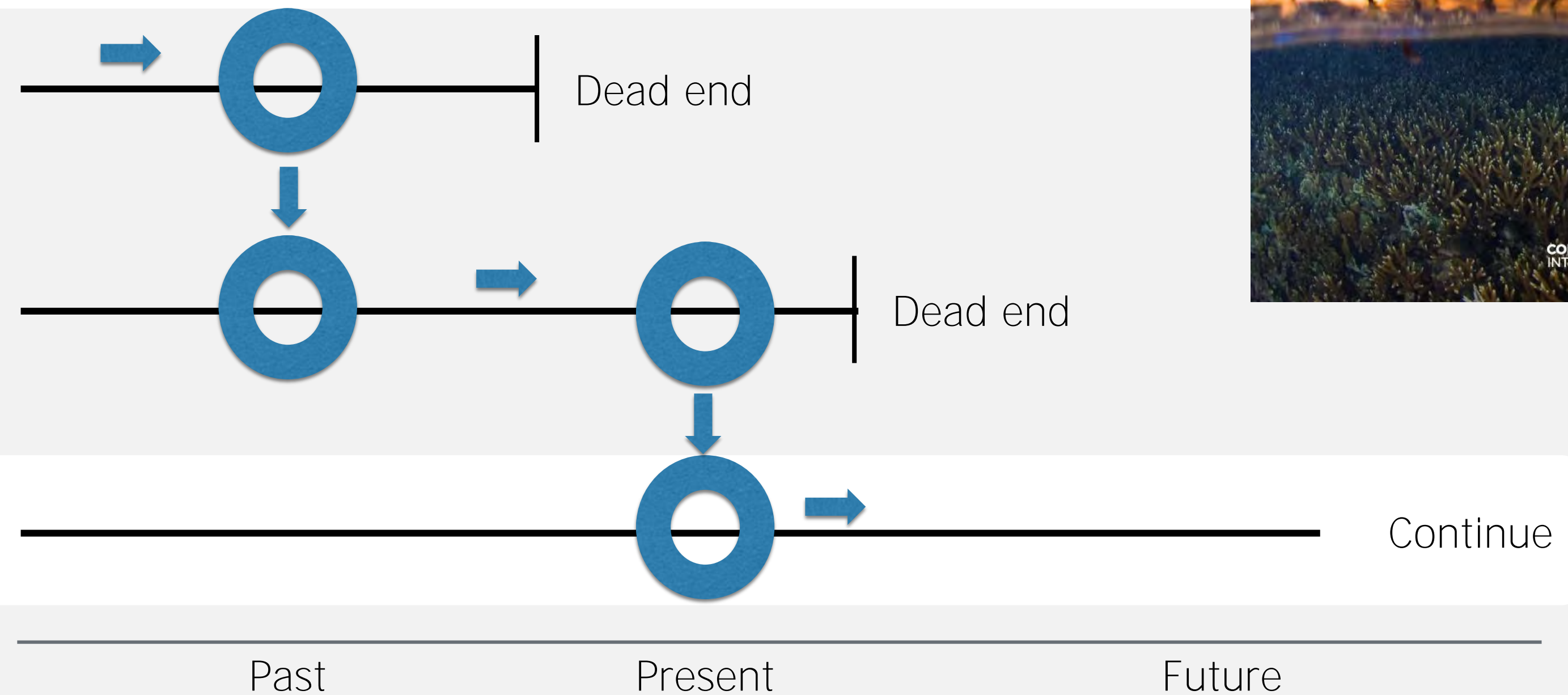
- More frequent and intense cyclones, floods, and erratic rainfalls
- **Farmers' yields of rice and cassava reduced** -> food shortages lasting 6 months on average.



Wild products harvest
Coping pathway

Shifting cultivation expansion
Incremental adaptation pathway

Climate-Smart Agriculture
Transformative adaptation pathway



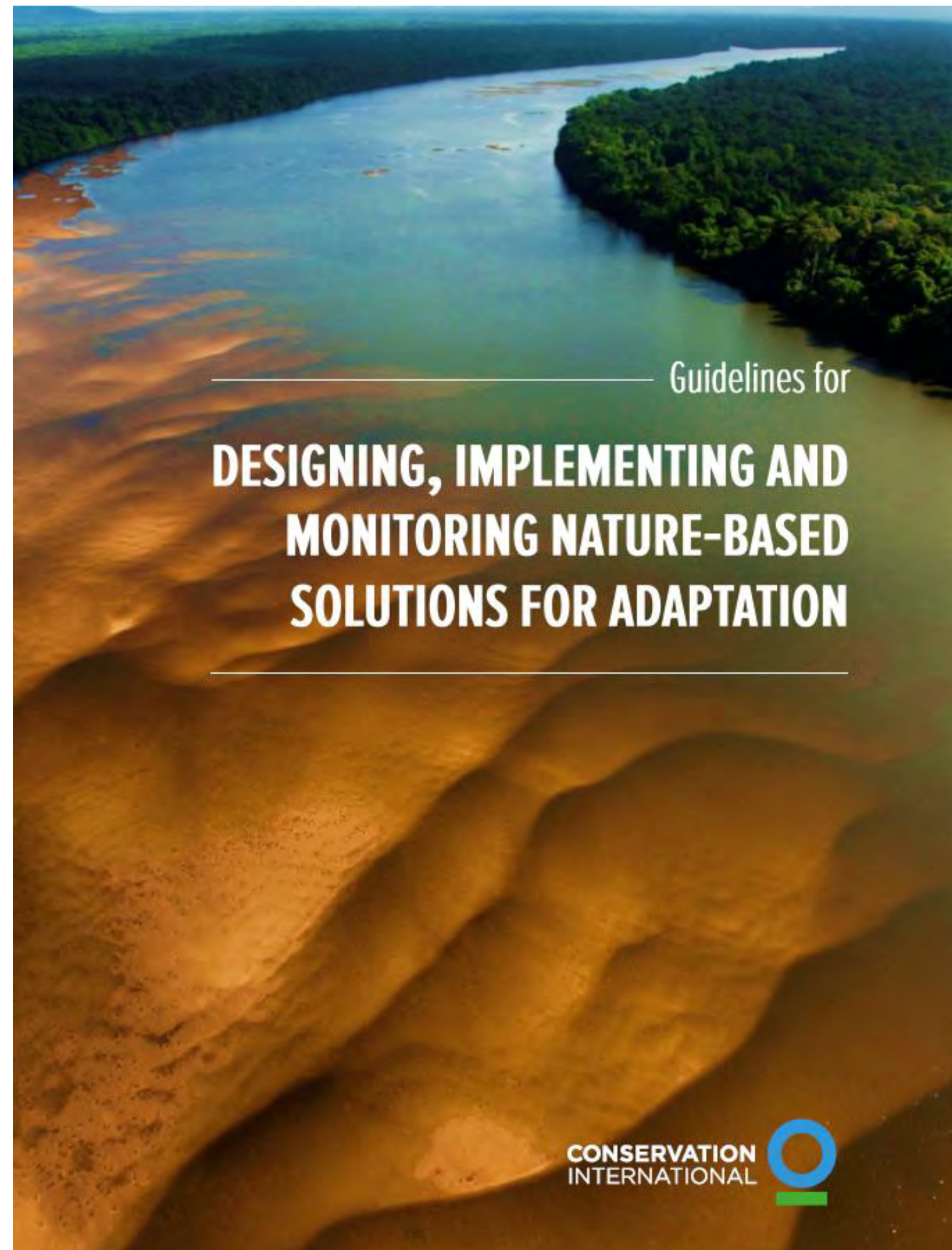
Adaptation outcomes: improved food security



Fedele G., Donatti C.I., Corwin E., Pangilinan M.J., Roberts K., Lewins M., Andrade A., Olvera D., Frazee S., Grover M., Lalaina Rakotobe Z., Rambeloson A. (2019), Nature-based Transformative Adaptation: a practical handbook, Conservation International, Arlington, VA, USA. <http://doi.org/10.5281/zenodo.3386441>



NATURE-BASED MITIGATION AND ADAPTATION



- Implementation of nature-based adaptation is important regardless of its contribution to mitigation.
- Skills, knowledge, money, and time are necessary for designing, implementing, and monitoring nature-based adaptation and mitigation.



Visit conservation.org and search “adaptation”.
Download useful resources to learn nature-based adaptation!



THANK YOU

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