



United for
life and
livelihoods

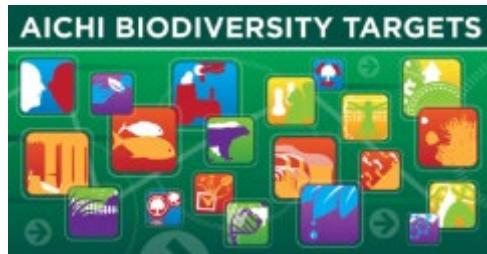
Using Ecosystem Services to Support Forest Landscape Restoration (FLR) Policies in Central America

Examples from El Salvador and Honduras

Leander Raes
ACES Washington DC
6 December, 2018



SUSTAINABLE DEVELOPMENT GOALS



PARIS AGREEMENT



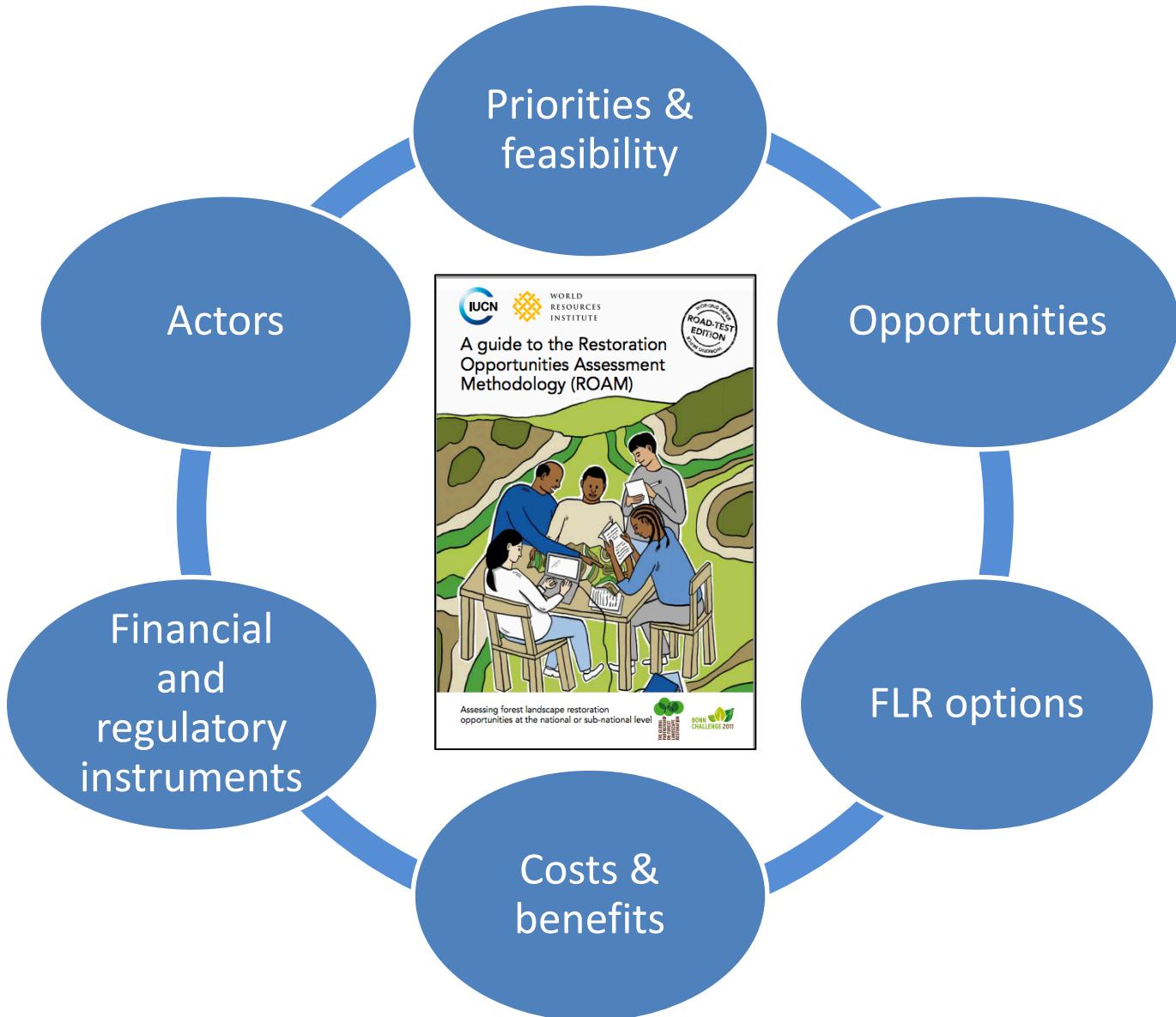
ZERO NET LAND DEGRADATION

The Bonn Challenge is a global effort to bring 150 million hectares of degraded & deforested land into restoration by 2020 & 350 million hectares by 2030.

Vehicle for domestic priorities such as improving food, water & energy security, & promoting rural development.

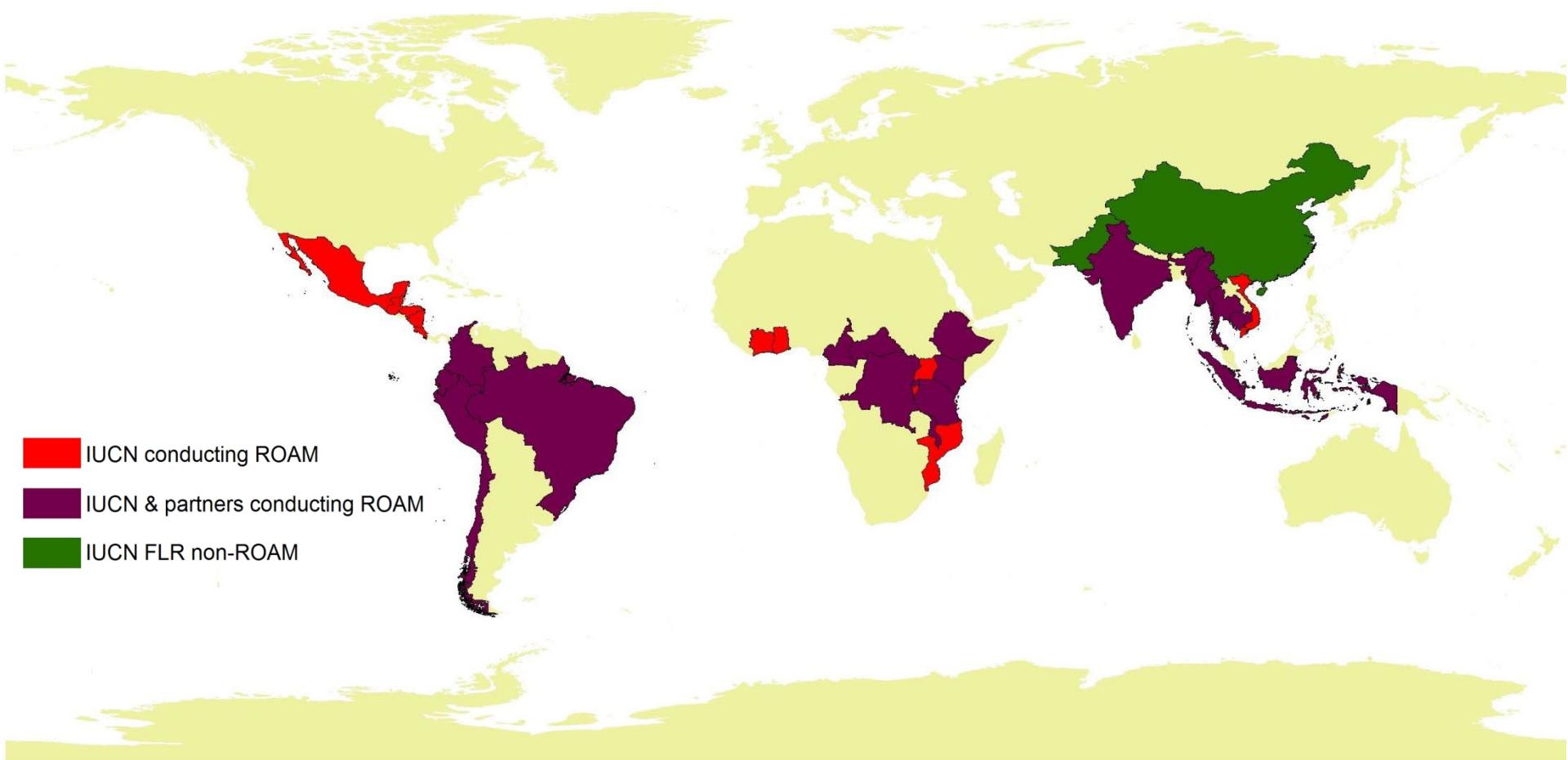


ROAM



ENSURING RESPONSIVENESS
ENSURING GENDER

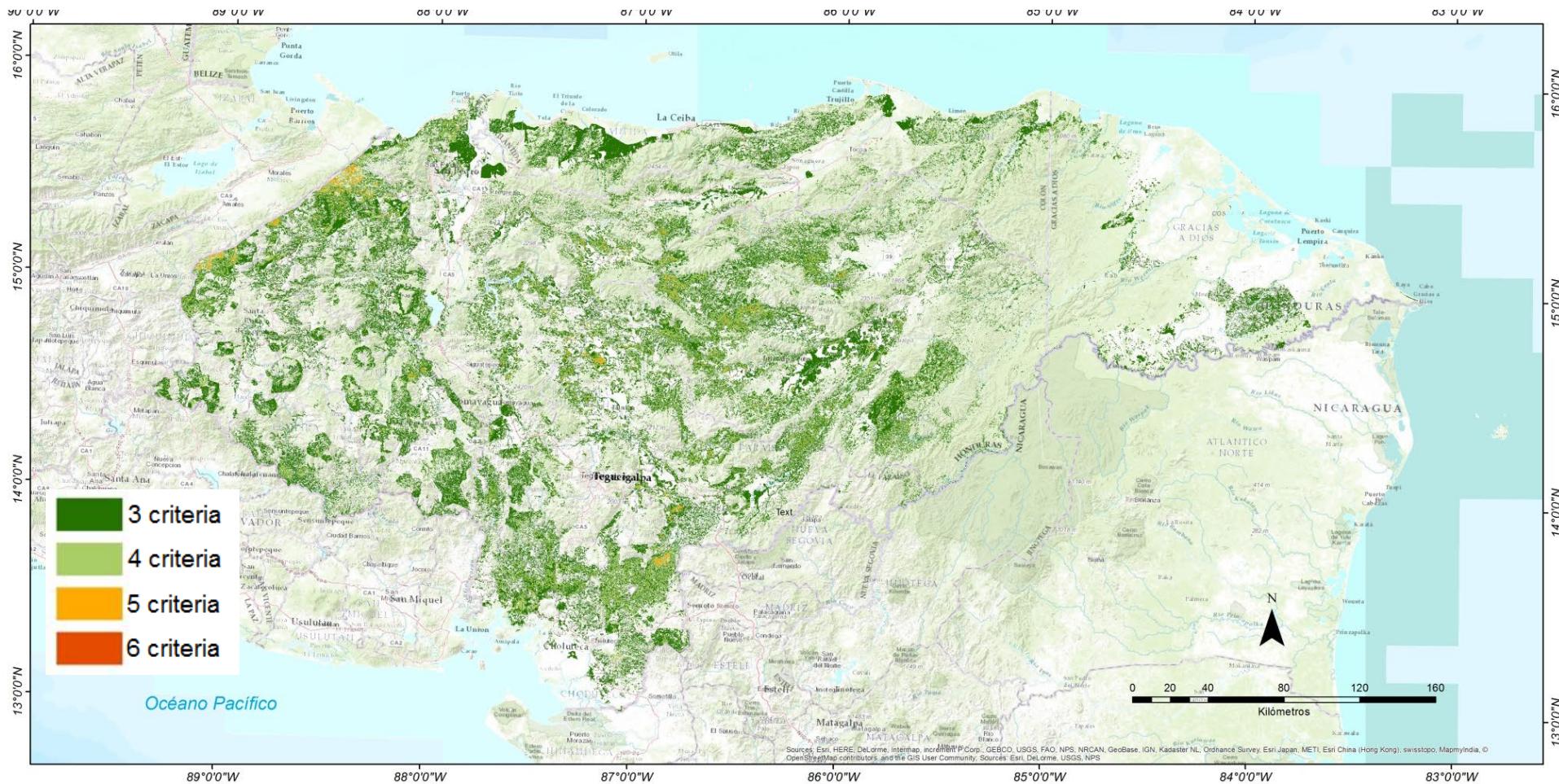
IUCN implementing ROAM & FLR analyses



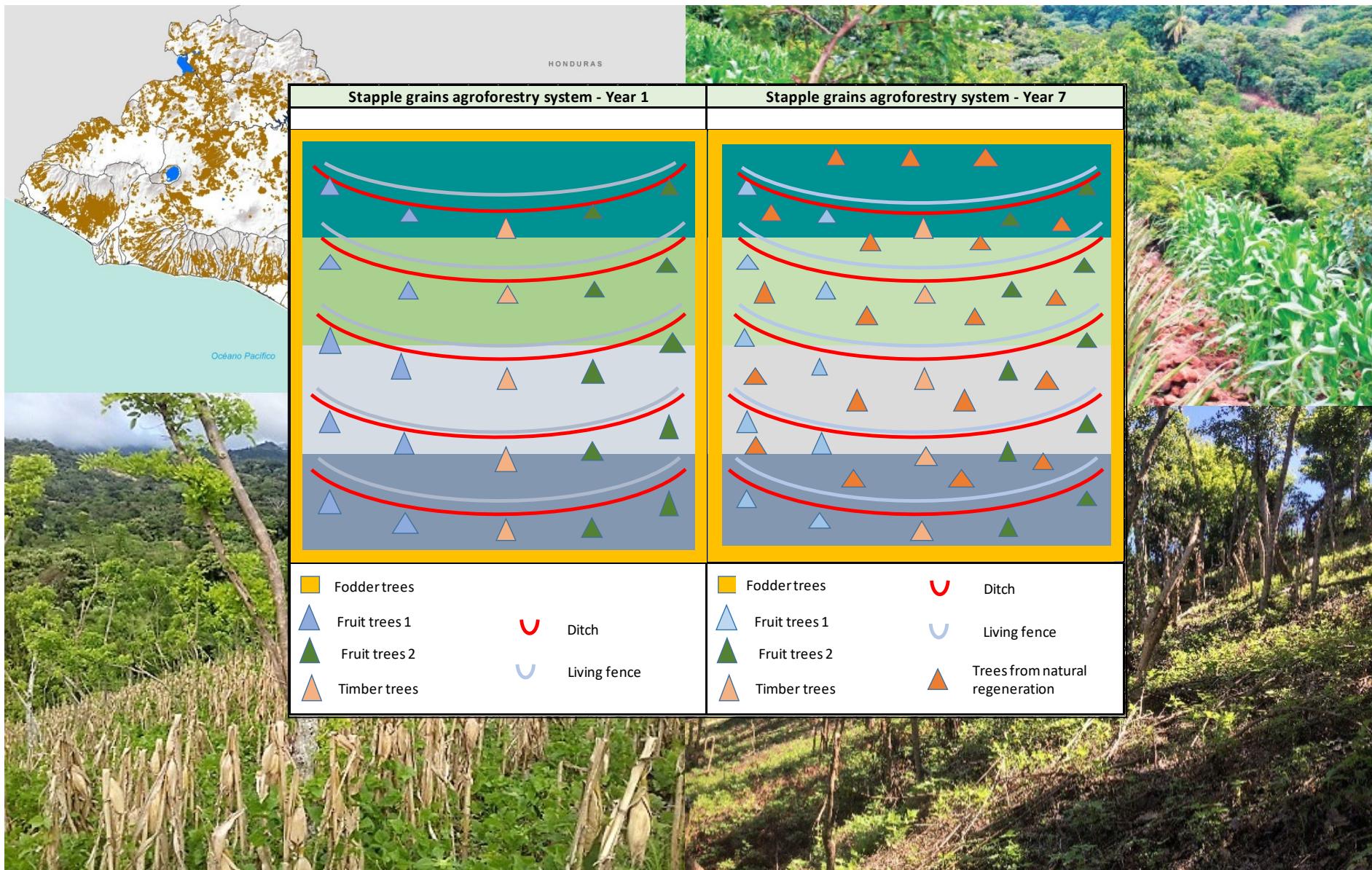
Opportunities for Landscape Restoration

Several criteria:

Biodiversity, water, natural disasters, mangroves, drought, weevils, potential for cacao

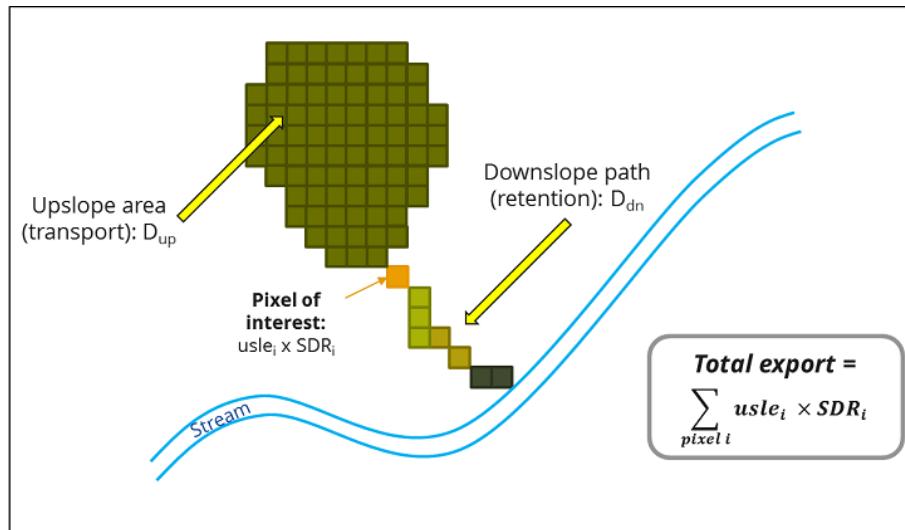


Restoration options: proposed agroforestry system with staple grains in El Salvador



Impact of FLR actions on provision of ecosystem services

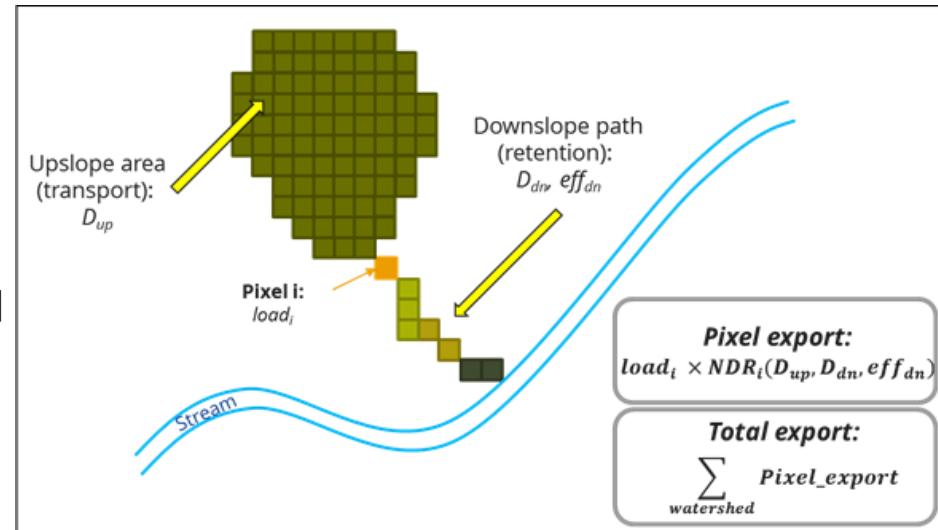
natural capital
PROJECT



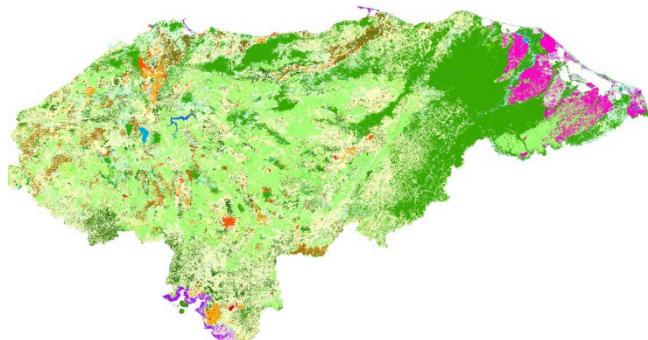
SDR model

InVEST
integrated valuation of ecosystem services and tradeoffs

NDR model



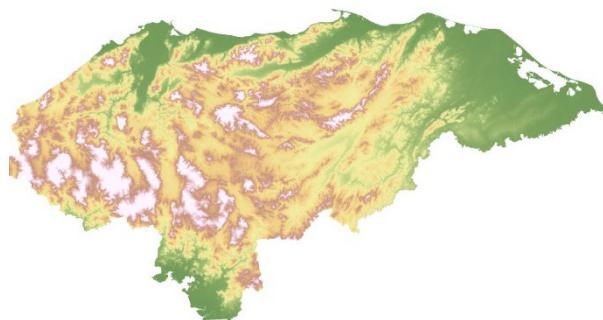
Example, input SDR model



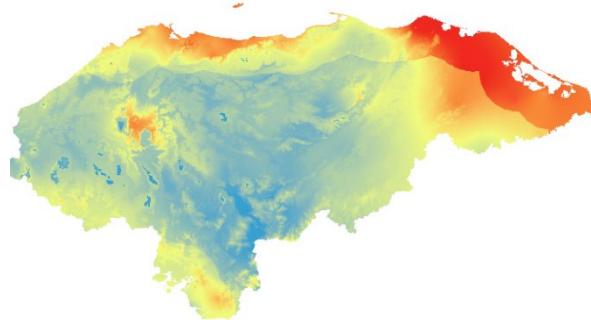
Land use



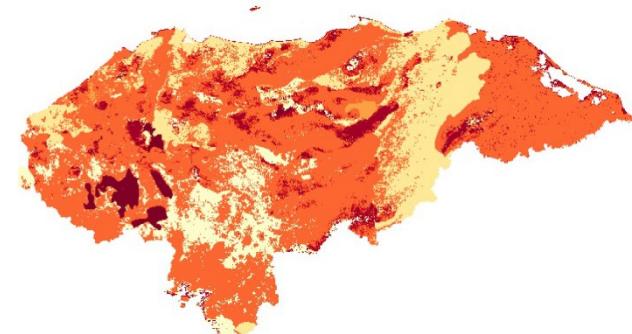
Sub-watersheds



Digital elevation
model



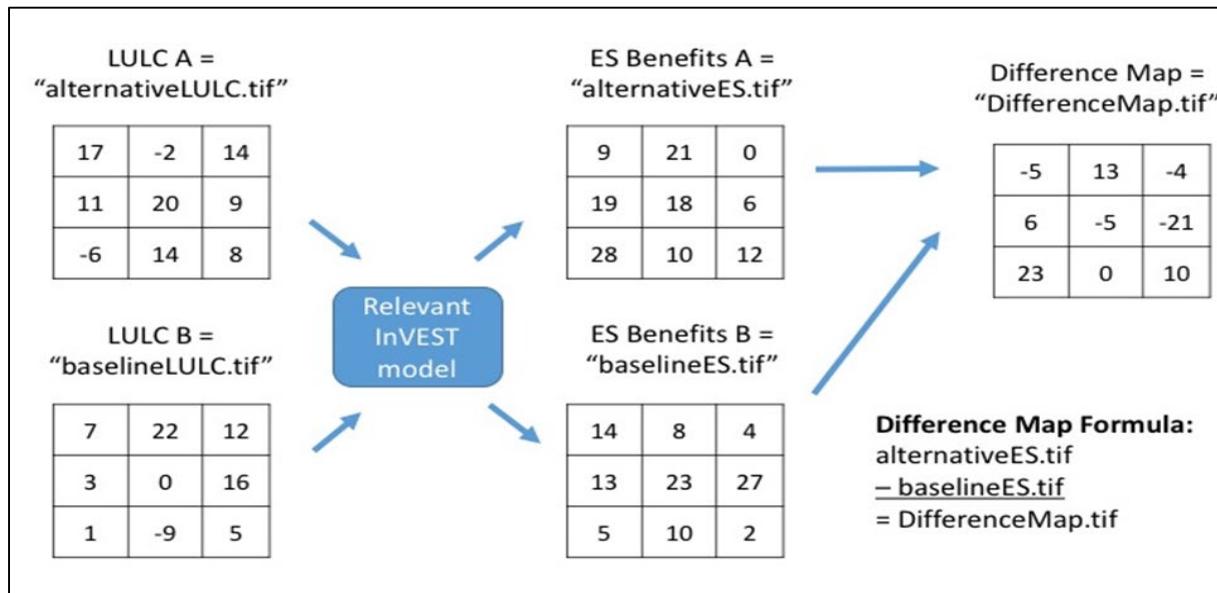
Rainfall erosivity



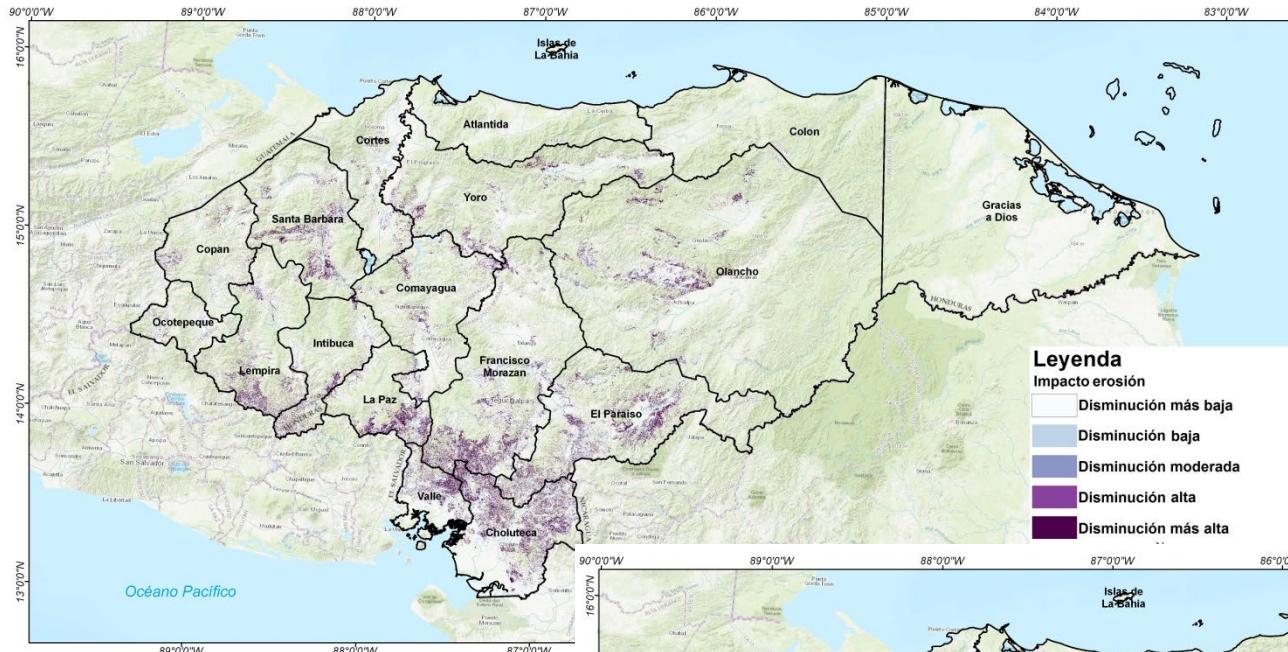
Soil erodibility

+ CSV file with cover factor (C), conservation practice factor (P), sediment retention efficiency

Impact potential maps (marginal values)

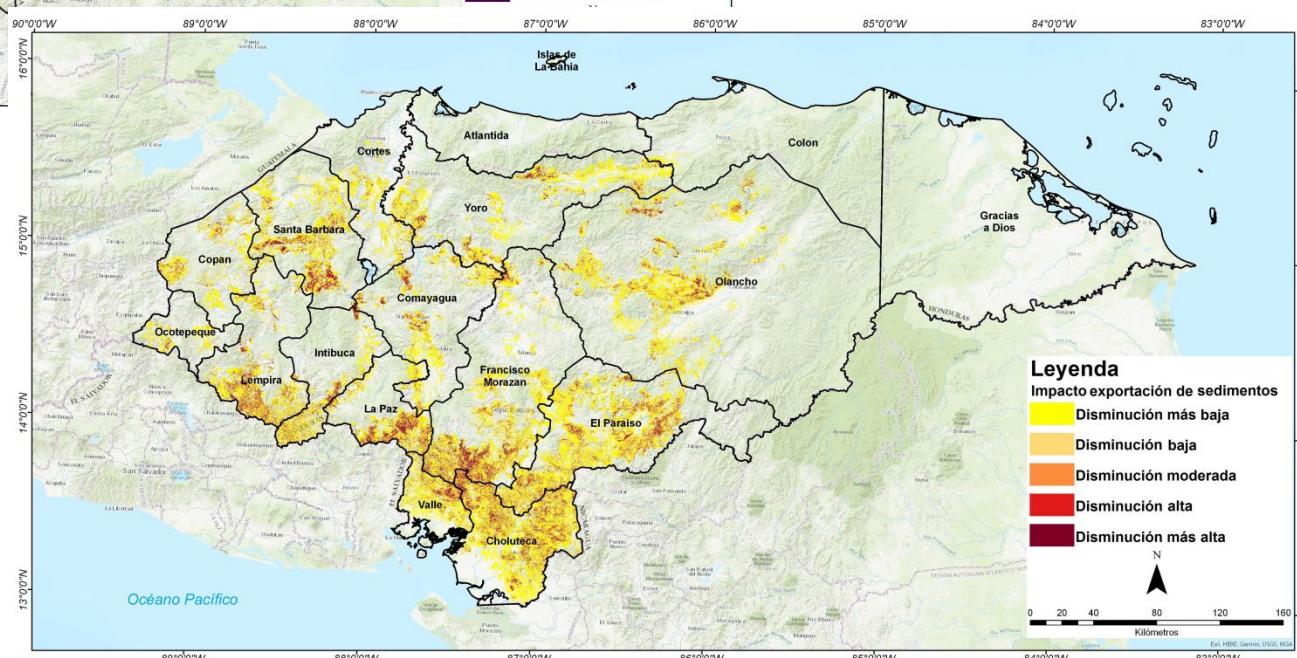


Impact potential maps (SDR model)

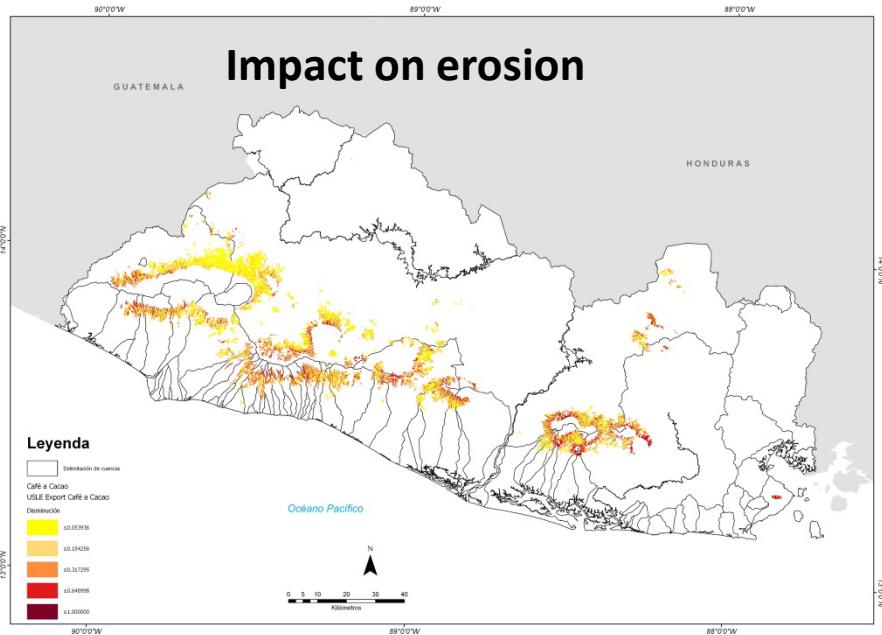


← Impact on erosion

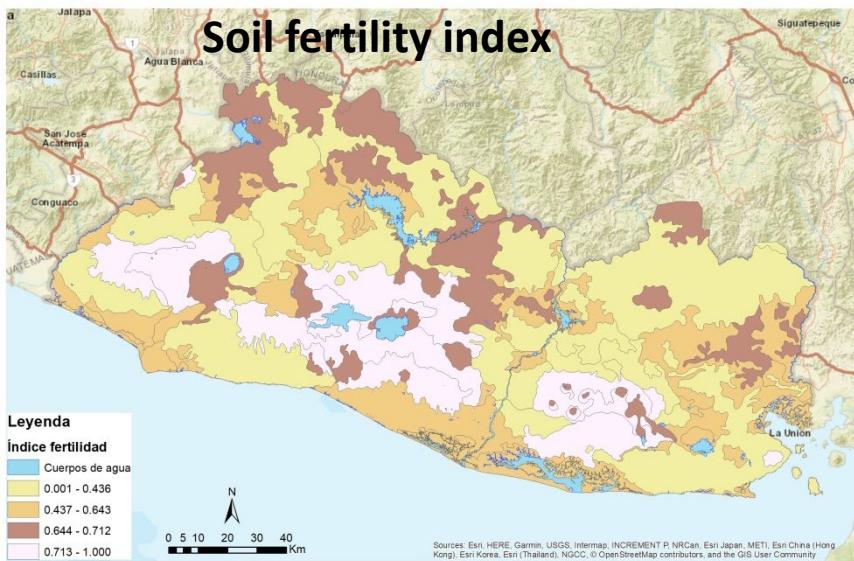
Impact on sediment
export



Example prioritization (1)

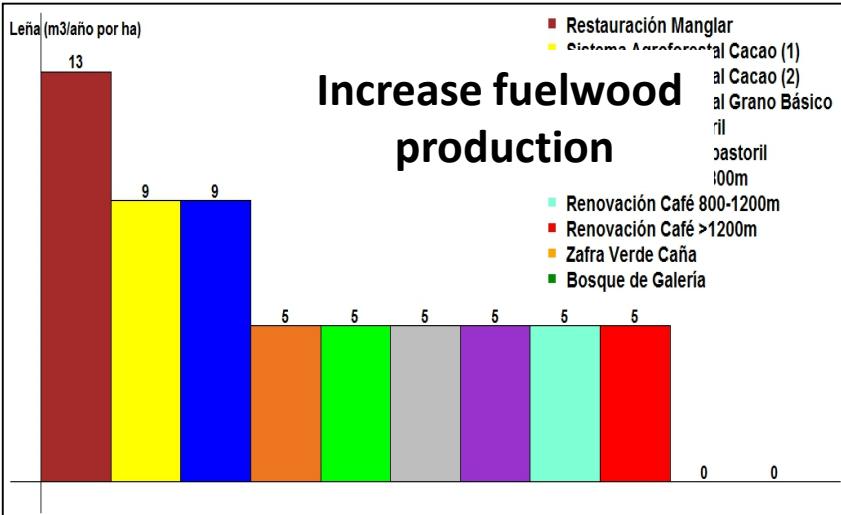


+

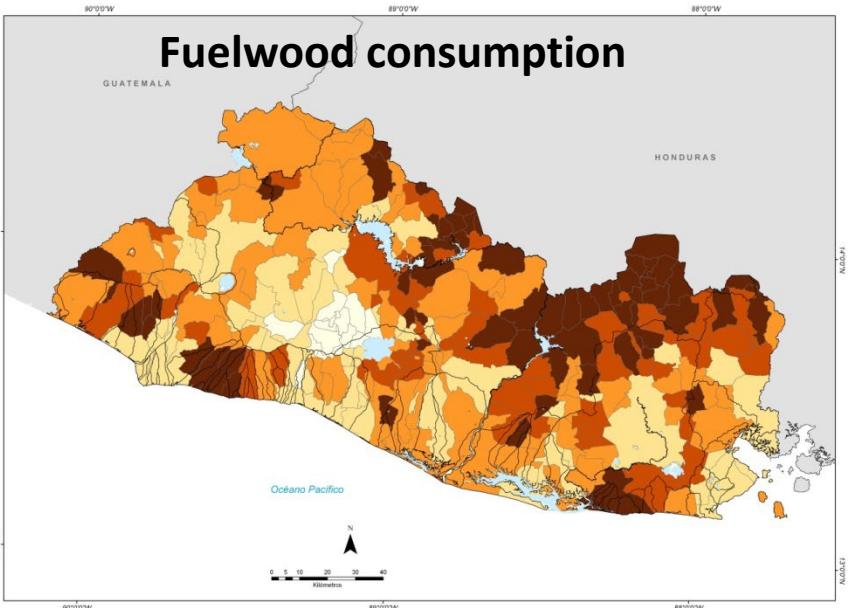


Prioritization cacao agroforestry system in coffee < 900 masl according to reduced erosion and soil fertility

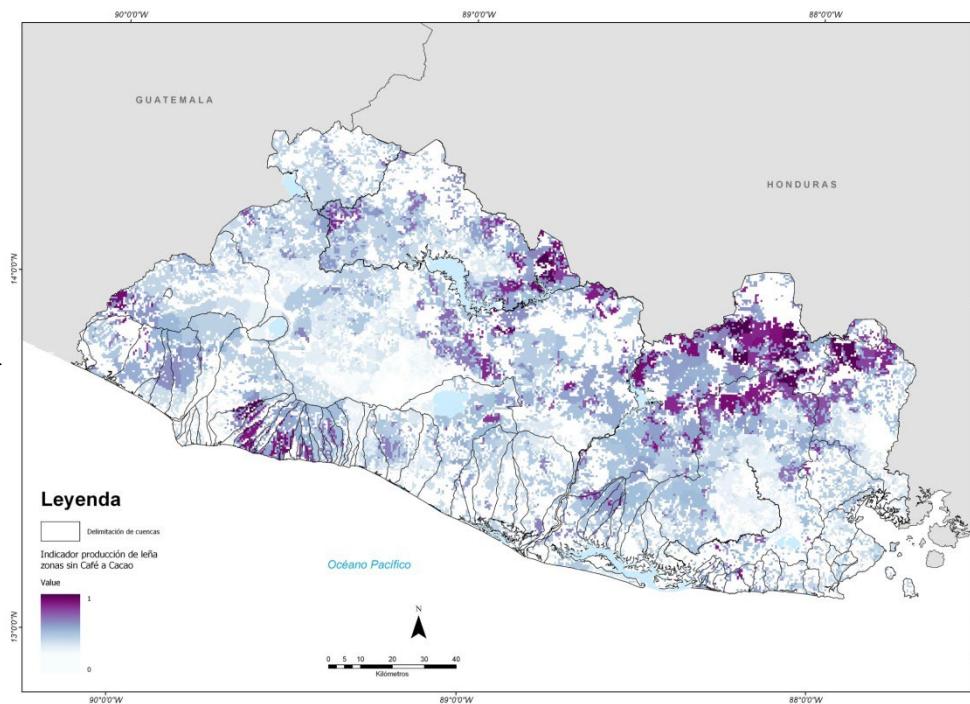
Increase fuelwood production



+

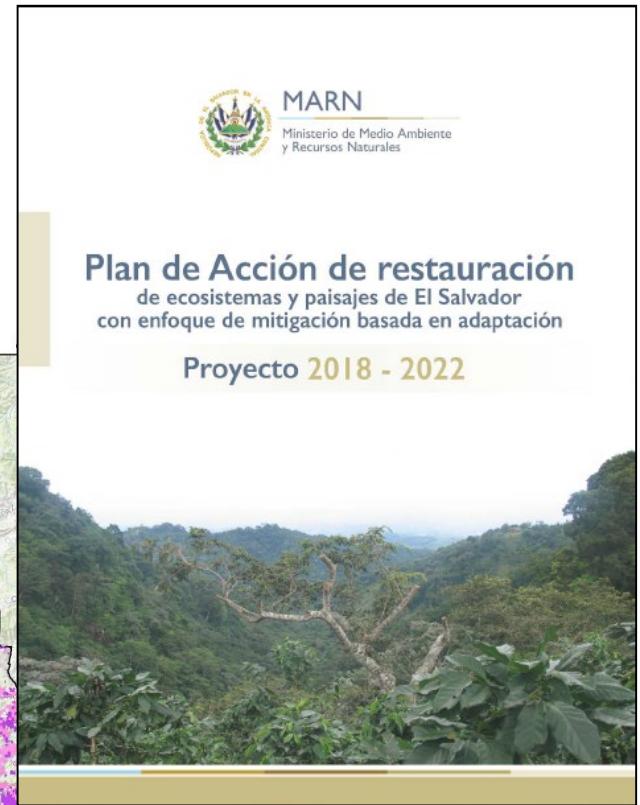
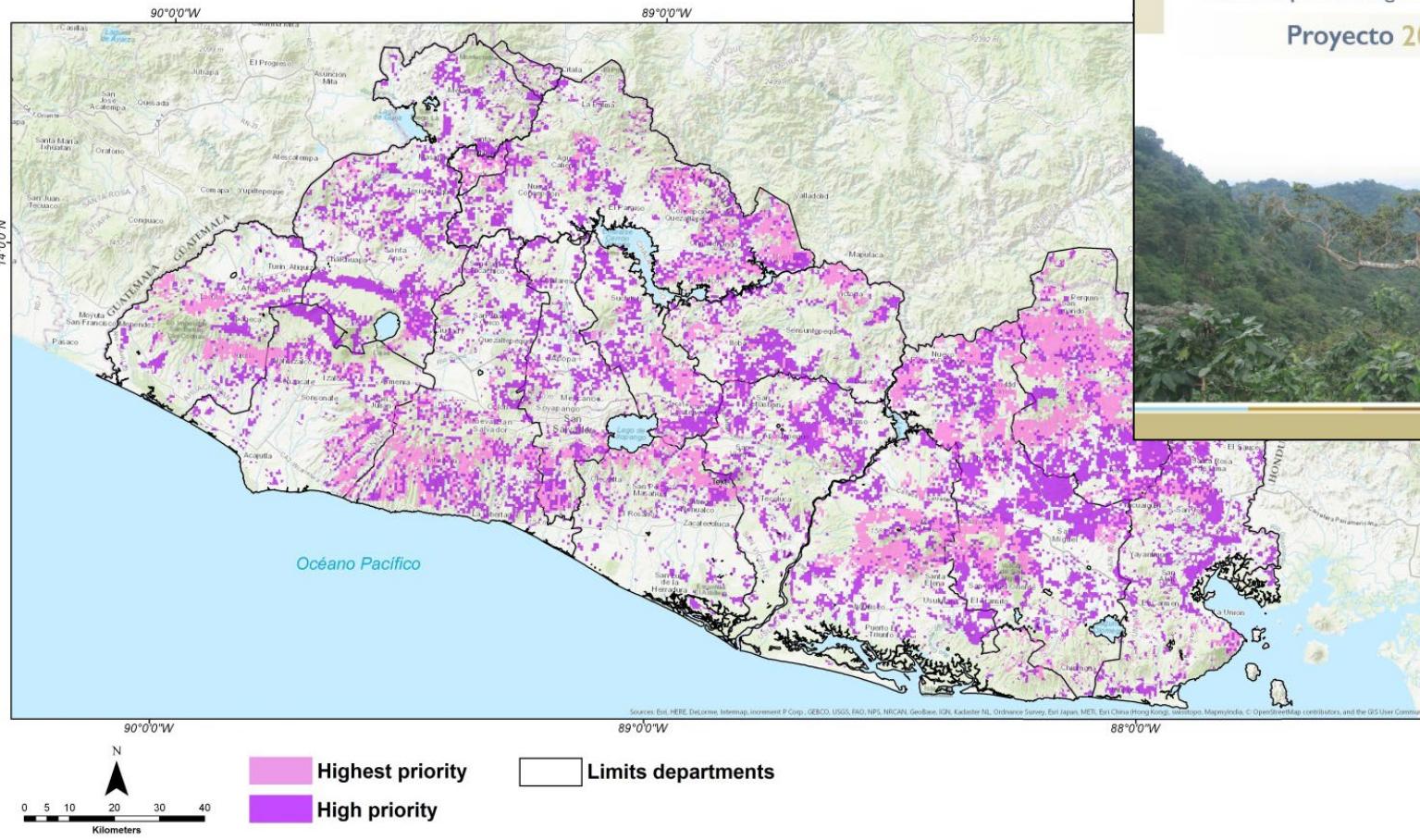


Example prioritization (2)

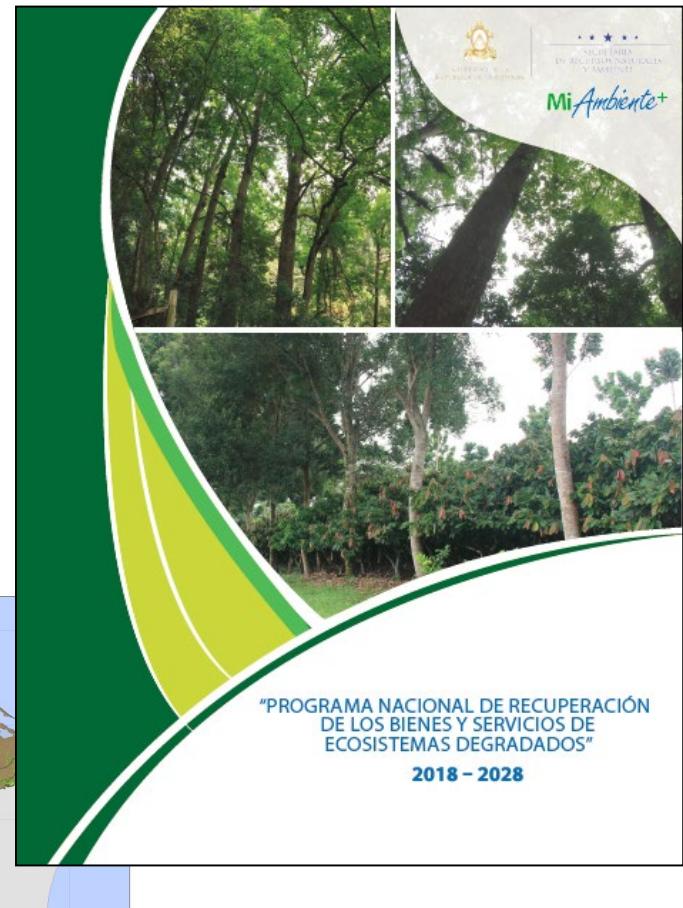


Prioritization of all FLR actions according to production and consumption of fuelwood

El Salvador's restoration action plan



Honduras program to recover ecosystem goods and services

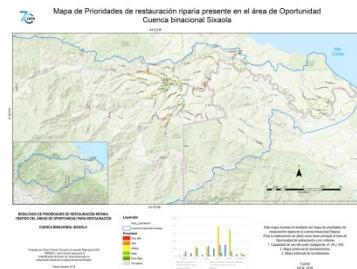


Further implementation

- Input for new – local – projects:
 - GCF, GEF, ...



- Local analyses



- New policies, e.g. development of agroforestry incentives in Honduras

BC Barometer of Progress

Succes Factors & Results & Benefits



IUCN

Bonn Challenge Barometer - Progress Tracking Protocol
April 2018

Introduction
The Bonn Challenge (BC) is a global effort to bring 150 million hectares of deforested or degraded land into restoration by 2020, and 350 million hectares by 2030. To meet this ambitious target, over 45 countries, states, and civil society organizations have made individual BC Commitments to contribute to this goal since 2011. Accordingly, many pledgers have taken significant steps toward enabling and implementing forest landscape restoration (FLR) efforts.

The Bonn Challenge Barometer of Progress Tracking Protocol (hereafter referred to as the Barometer) will support pledgers in evaluating progress toward meeting BC Commitments by offering a framework to consistently and systematically take stock of hectares brought under restoration, as well as a defined set of political, regulatory, financial, and technical components deemed important for achieving successful landscape restoration. This document offers guidance for completing the accompanying Barometer Data Form.

The Barometer has been developed under a set of core guiding principles to maximize its effectiveness and utility. These are briefly outlined below.

Flexibility
To date, 45 pledgers have made BC Commitments, reflecting a vast range of geographies, political and socioeconomic contexts, biophysical conditions, resources, capacity, and motivations. As such, each pledger contends with a unique set of limitations in implementing and monitoring FLR progress. Pledgers might face challenges associated with implementing and monitoring FLR over large or diverse geographies, gaps in capacity and resources, or poor coordination between actors. Some pledgers will be able to draw from a wealth of data and existing evaluations, whereas others will face significant limitations in the availability of information on FLR.

Guidance and Resources

Bonn Challenge Data Entry Survey

Please refer to Bonn Challenge Protocol document for further guidance on responding to this survey.

Obligatorio

Dirección de correo electrónico *

Tu dirección de correo electrónico

Metadata

Country/Region

Elige

Contact information (enter name, position, email if different from above, and telephone number) *

Tu respuesta

Coordinating government institution

Tu respuesta

Data Entry Form

Metadata Success Factors Results and Benefits +

Institutions Responsible	Short description
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Pilots in Brazil, El Salvador, Mexico, Ruanda & Sri Lanka



Thank you

Bonn Challenge: bonnchallenge.org

InfoFLR: infoflr.org

IUCN FLR: iucn.org/flr

ROAM: iucn.org/roam

