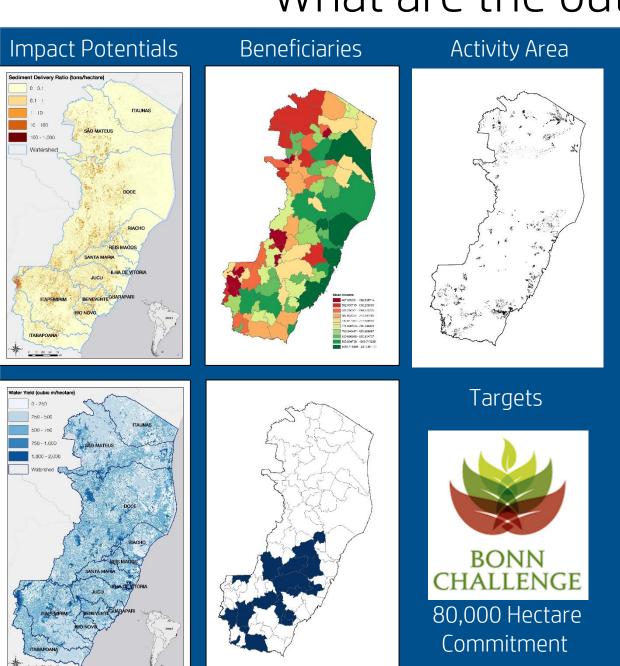
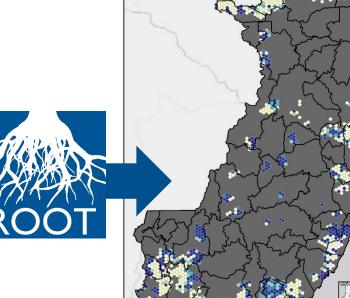


What are the outputs of ROOT?



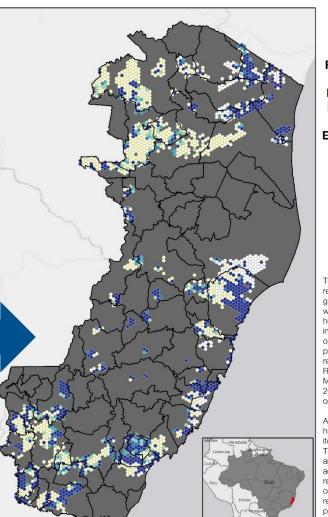


Optimal Restoration Opportunity

No Model Agreement

Very Low Agreement

Low Agreement







Restoration Opportunity Optimization of **Ecosystem Services for** Landscape Restoration

ESPIRITO SANTO STATE BRAZIL

Ecosystem Services: Sediment Retention Water Yield

Beneficiaries: **Priority Watersheds** Low Income

This map shows where investments in restoration could be made where the gains in multiple ecoysystem services would be optimized throughout 80,000 hectares of potential opportunity area in Espirito Santo State, Brazil. These opportunity areas were identified as a restoration assessment using the Restoration Opportunities Assessment Methodology (ROAM)(IUCN and WRI, 2014) and meet Espirito Santo's commitment to the Bonn Challenge.

Areas identified in dark blue indicate a high agreement among 50 unique Hexagons are 1000



Moderate Agreement

Very High Agreement

High Agreement

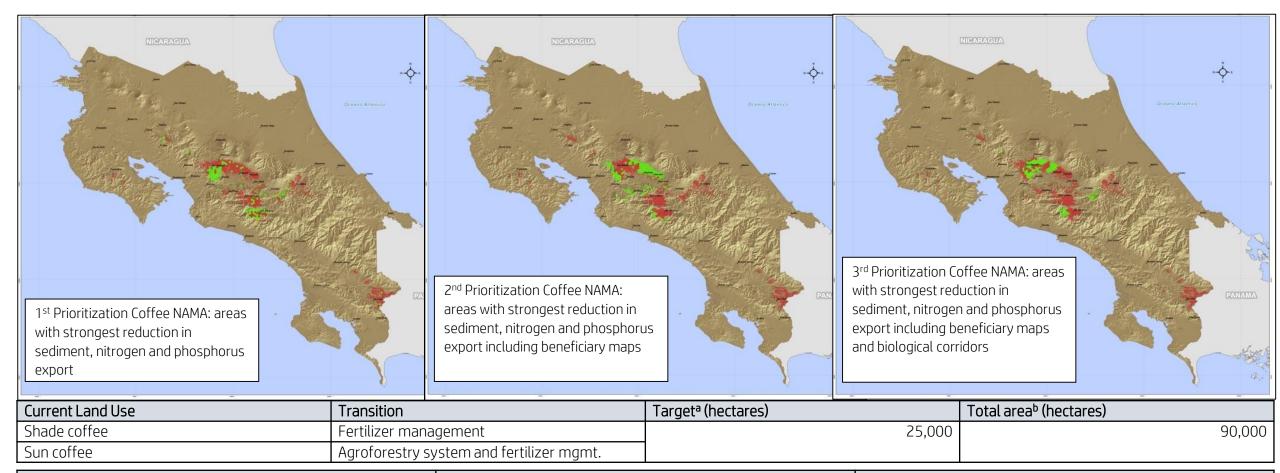
Municipality

Prepared by Craig R. Beatty, International Union for Conservation of Nature (IUCN) August 2017. Data Provided by State of Espirito Santo, World Resource Institue Brazil, and IUCN Brazil, Model prepared using the Restoration Opportunity Optimization Tool ROOT) co-developed by IUCN and University of Minnesota





Costa Rica: Nationally Appropriate Mitigation Action Coffee



Program	Current Land Use	Restoration action
Coffee NAMA	Shade coffee	Fertilizer management, and implementation of agroforestry
	Sun coffee	systems where they do not yet exist



The Restoration Opportunities Optimization Tool

The Need:

Provides decision-makers with a tool to wade through and optimize restoration for both social and ecosystem service objectives.

The Application: Goes beyond prioritization among many different services and beneficiaries and helps optimize these decisions, saving time and money and leading to better restoration outcomes.

Results:

Generates clearly communicable results in maps that distil many competing and complimentary objectives into optimal suggestions.

<u>Implications</u>:

ROOT will lead to smarter and more impactful investments in landscape-scale restoration.

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