

Applying InVEST to Decisions I: Water Funds

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Latin American Water Funds



Agua Por La Vida y Sostenibilidad



How should \$10 M
be spent?

What activities?

Where?

Sugar cane industry

Water municipalities

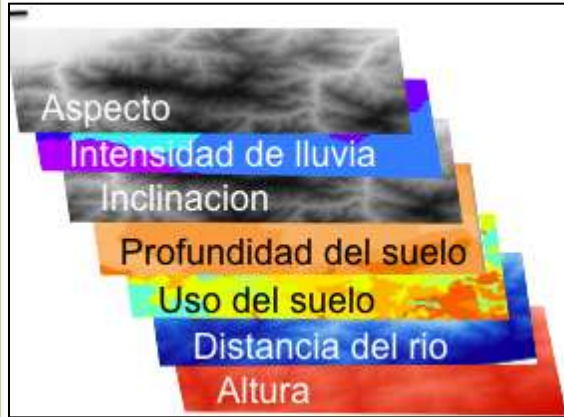
Vallenpaz

TNC

Targeting Investments

Biophysical Weights

Baseflow

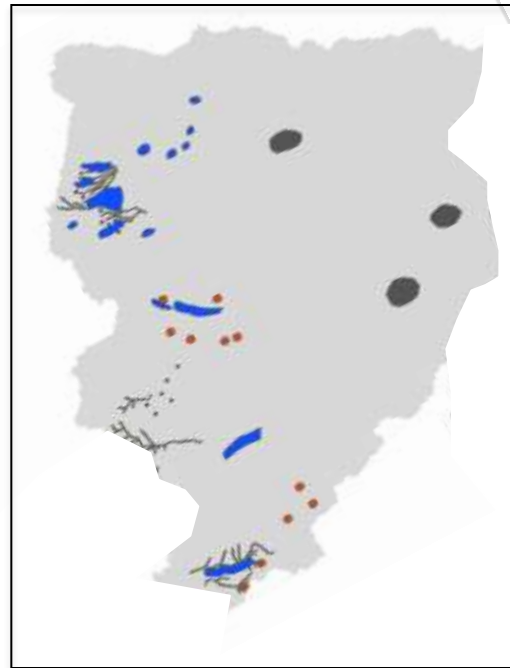


Annual Average Supply

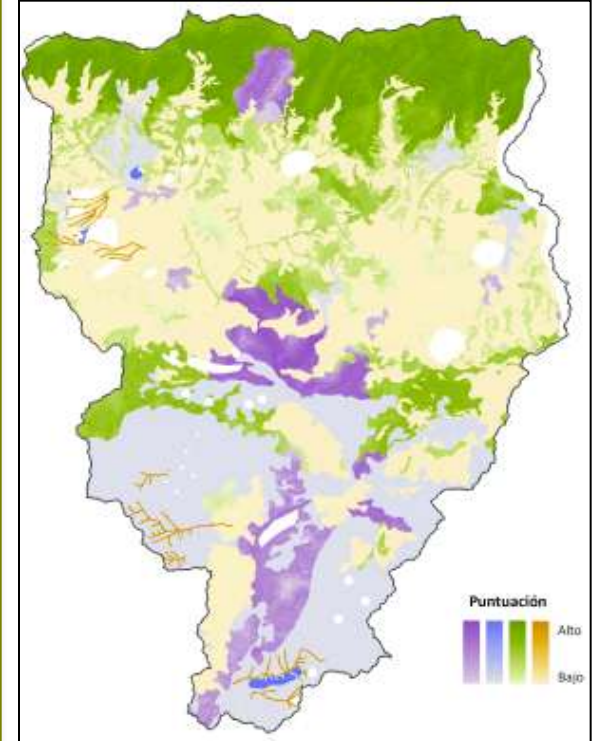
Erosion Control

Biodiversity

Stakeholder Preferences

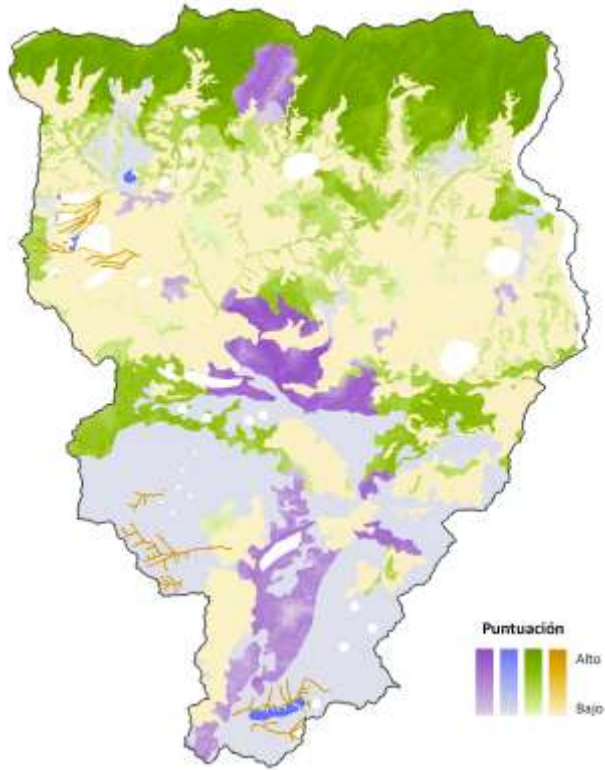


Activity Rankings

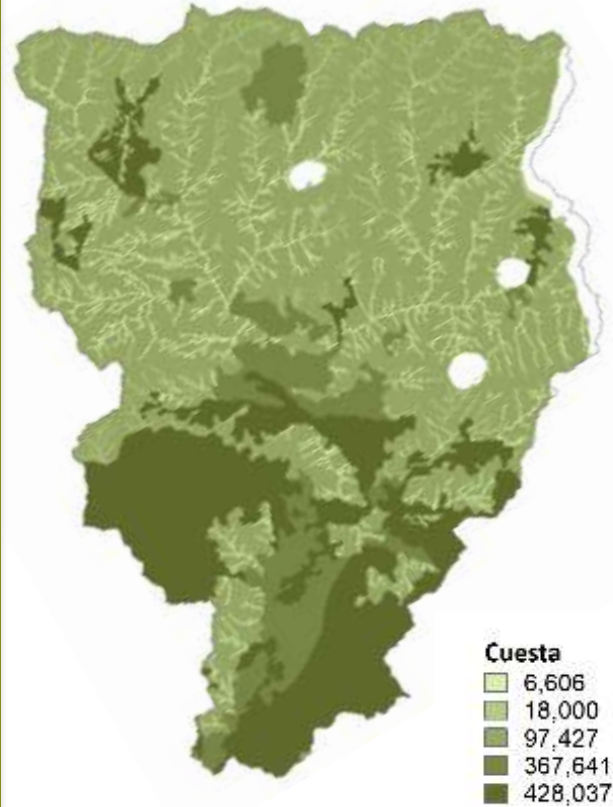


Targeting Investments

Activity Rankings



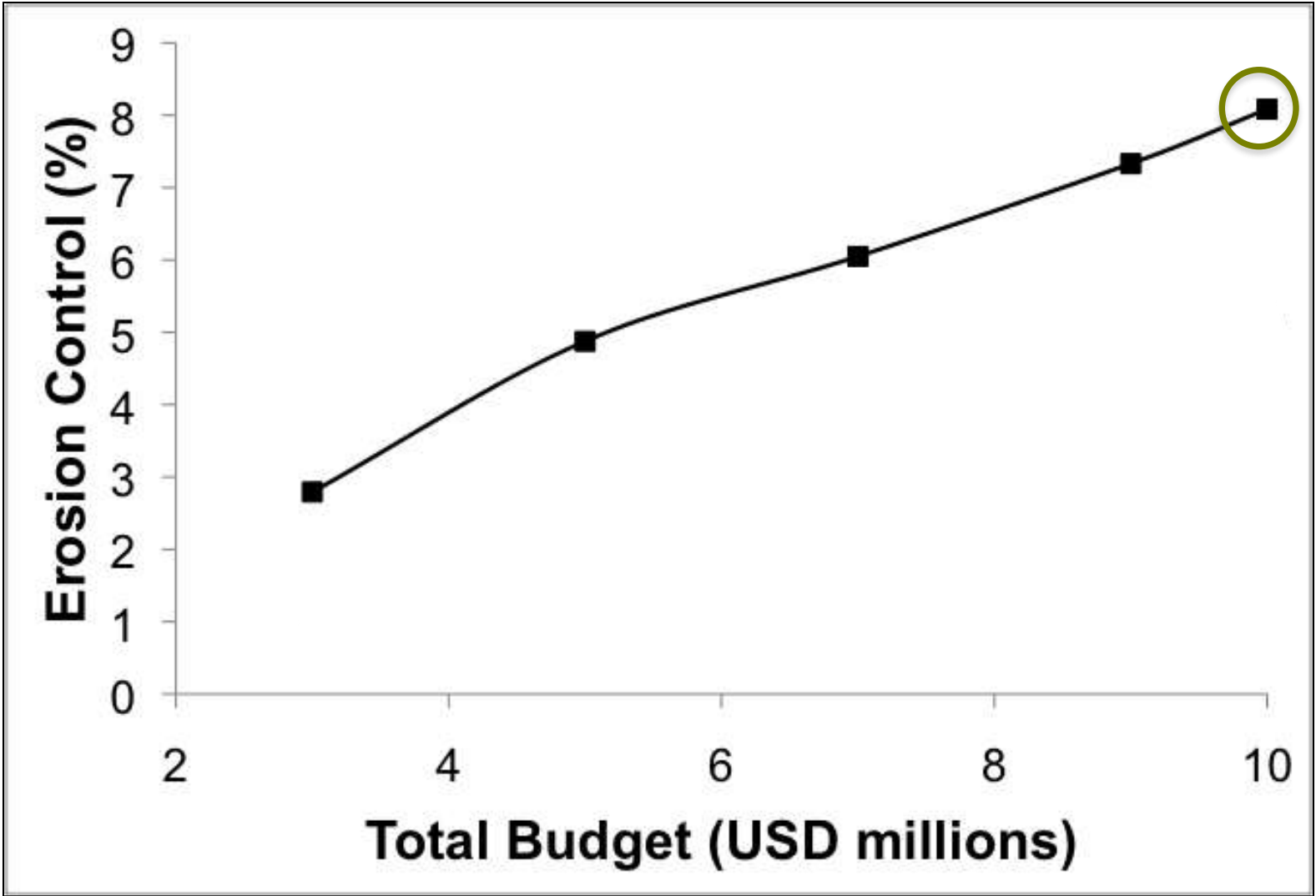
Cost Data



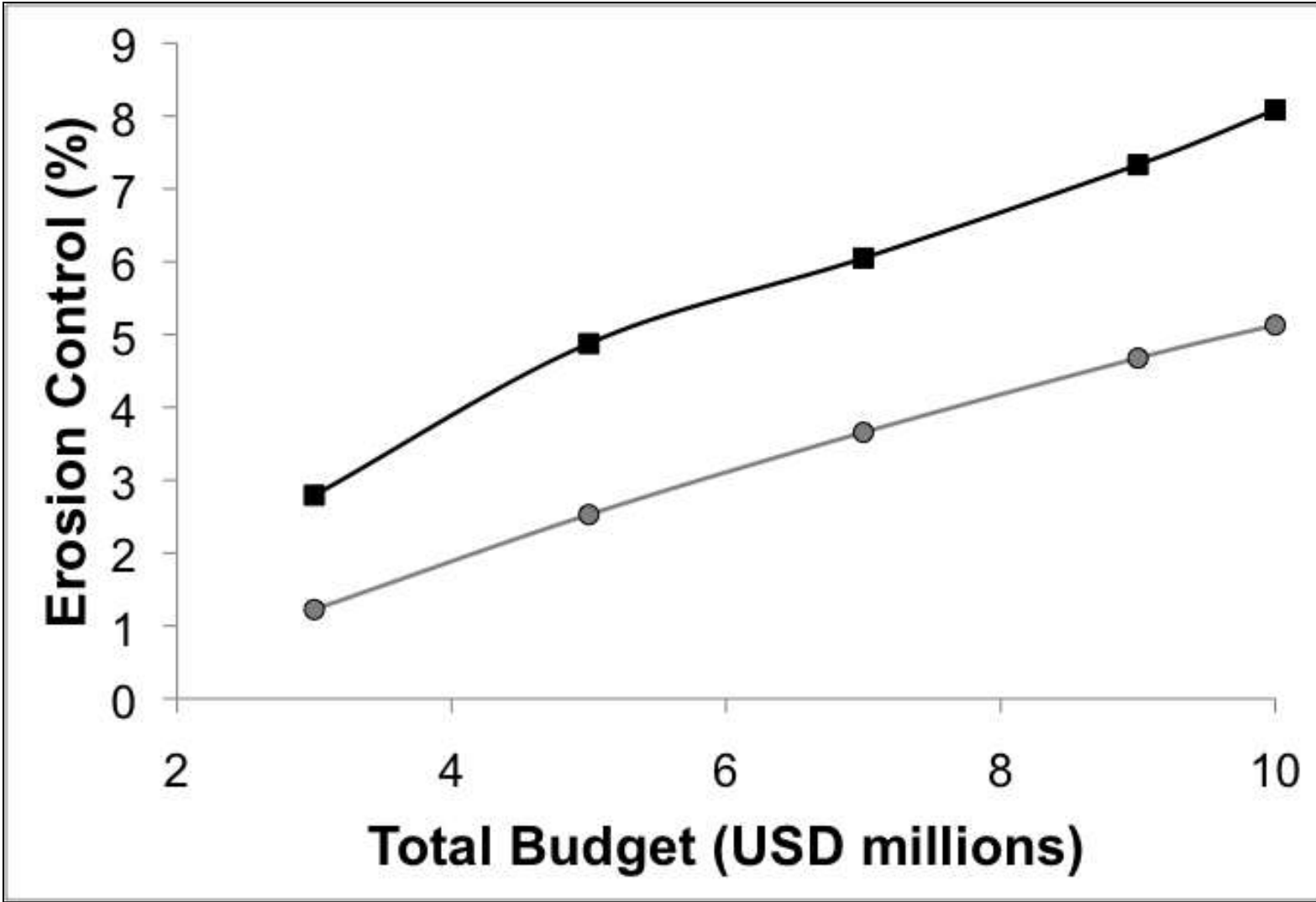
Investment Portfolio



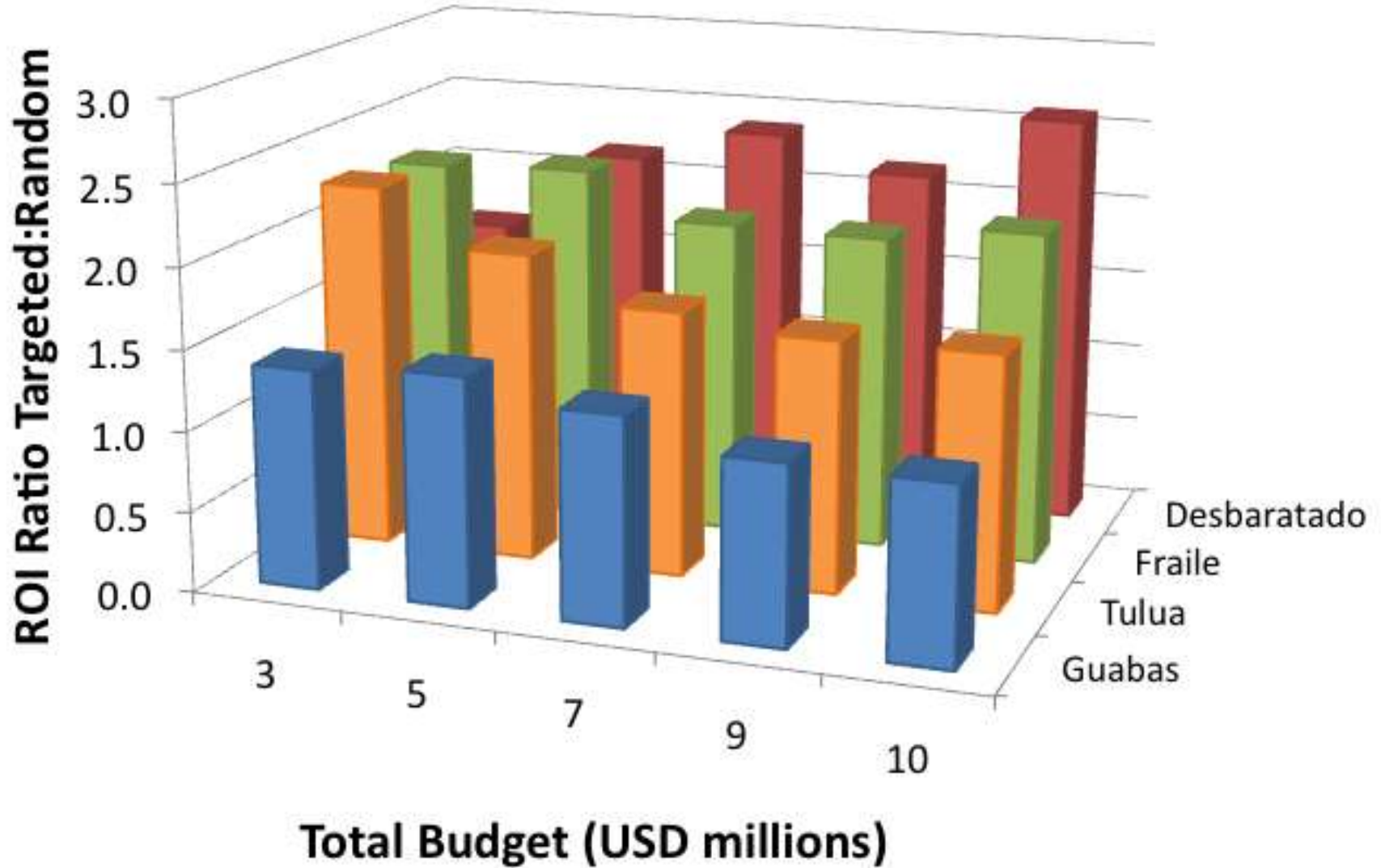
Erosion Control Returns: Tulua Watershed

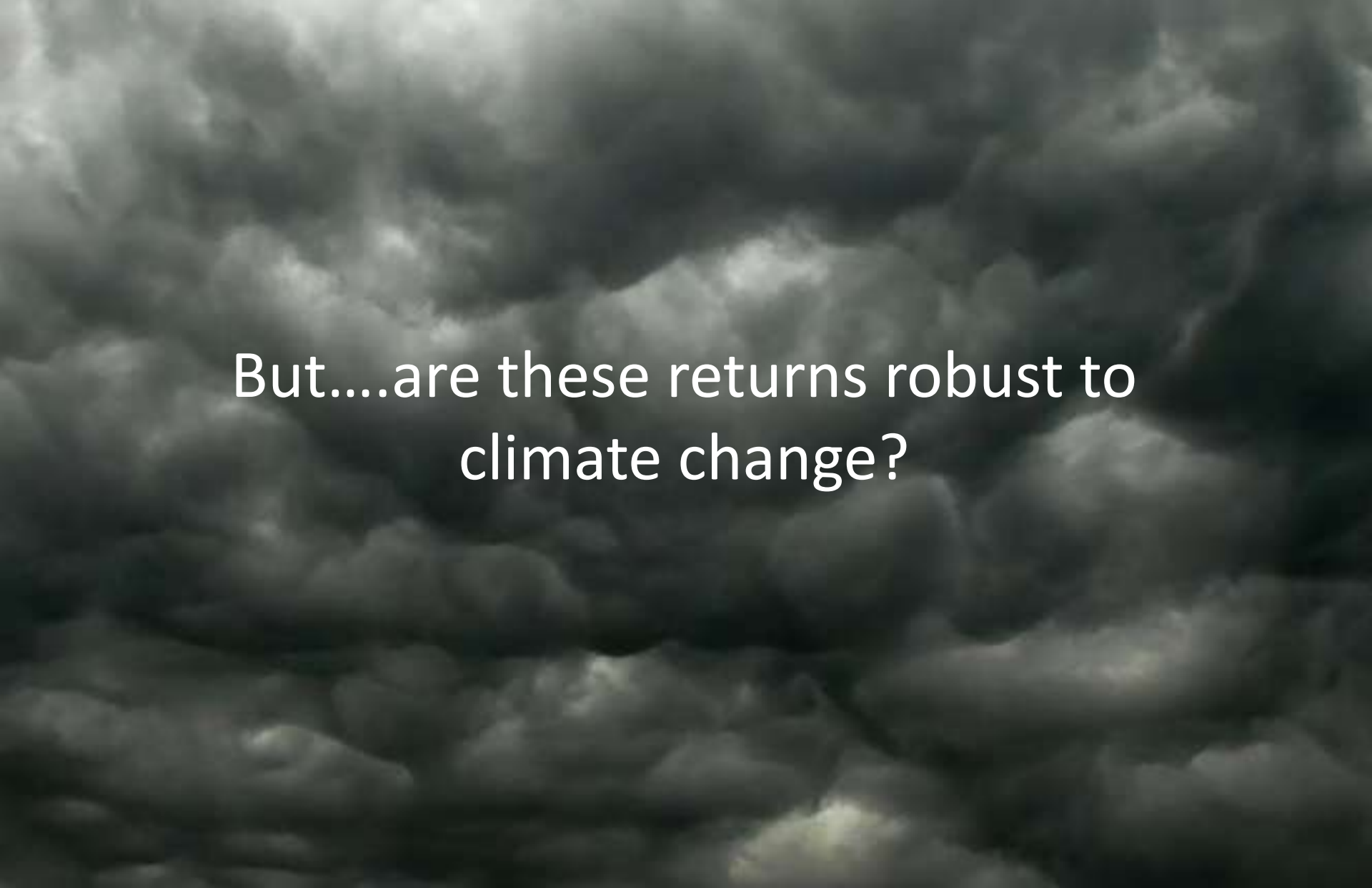


Erosion Control Returns: Tulua Watershed



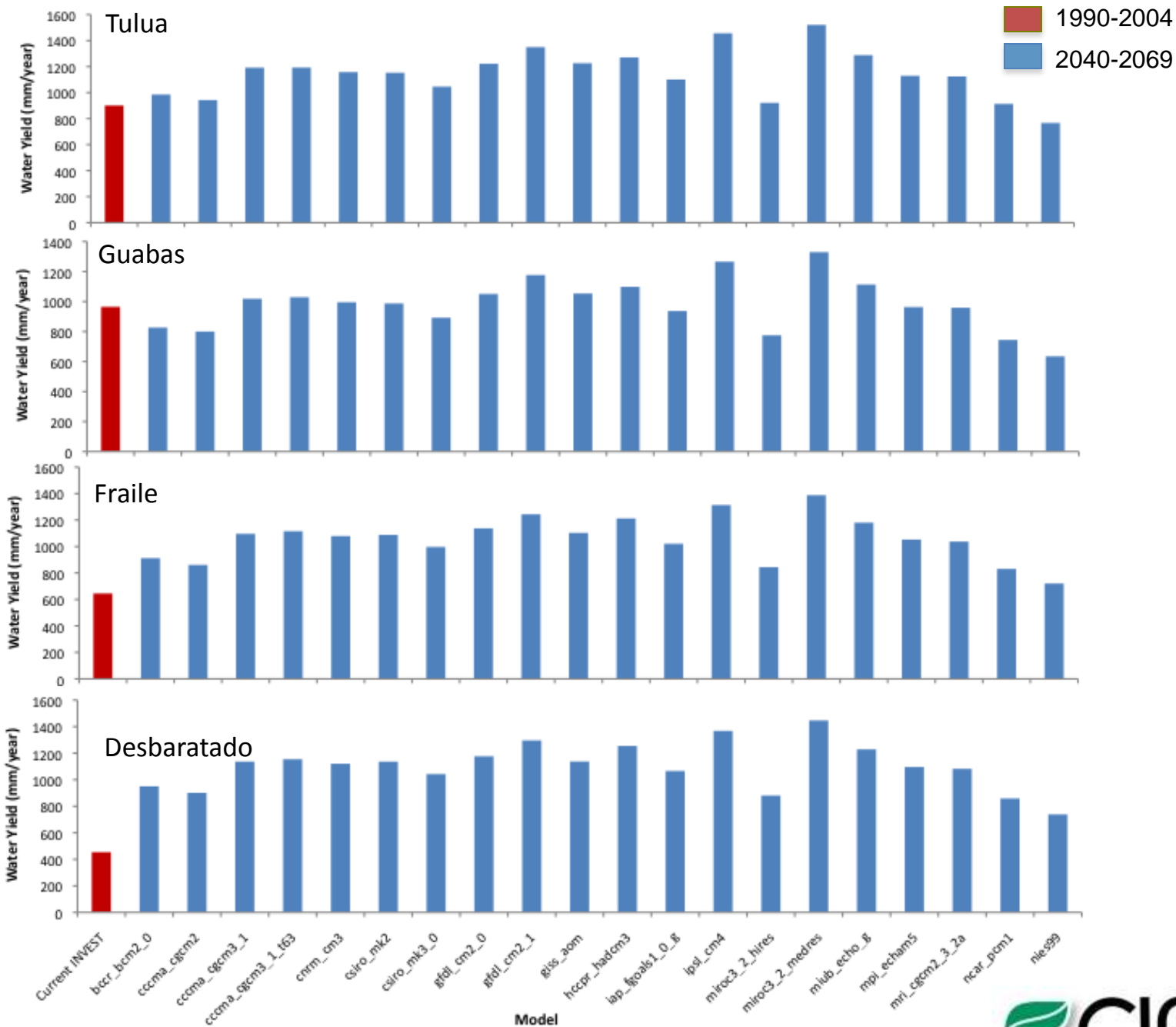
Targeting Investments Doubles ROI



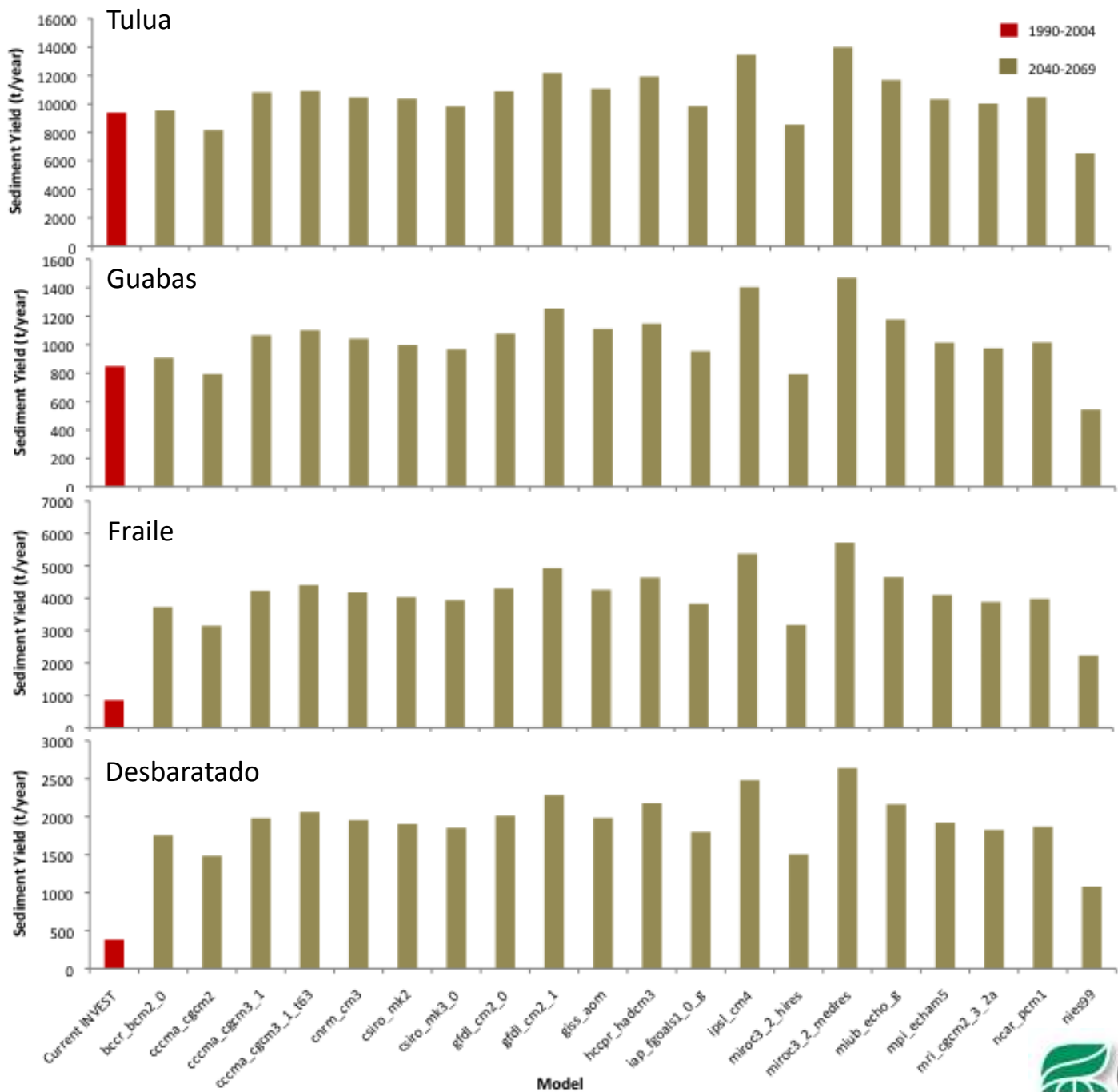


But...are these returns robust to
climate change?

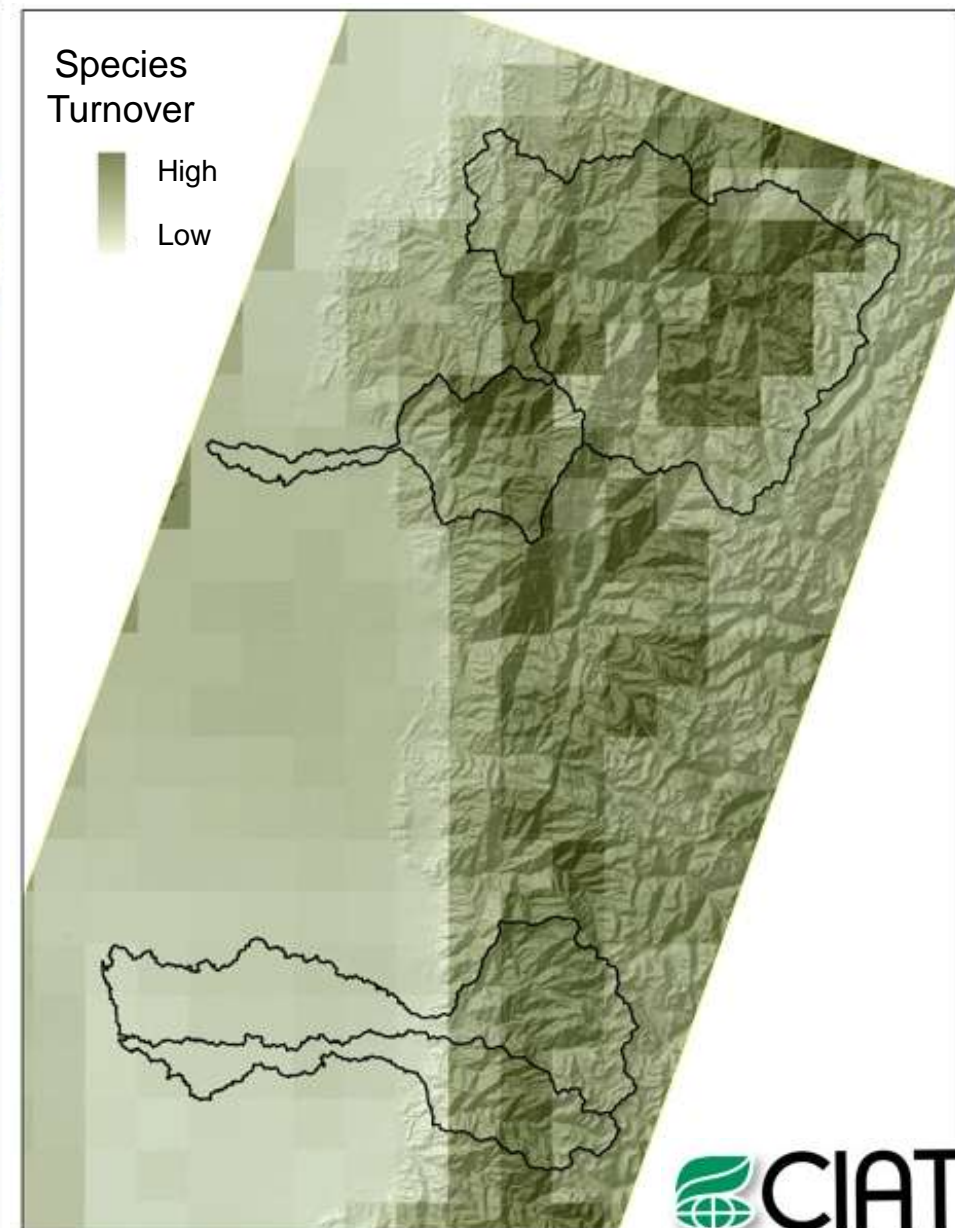
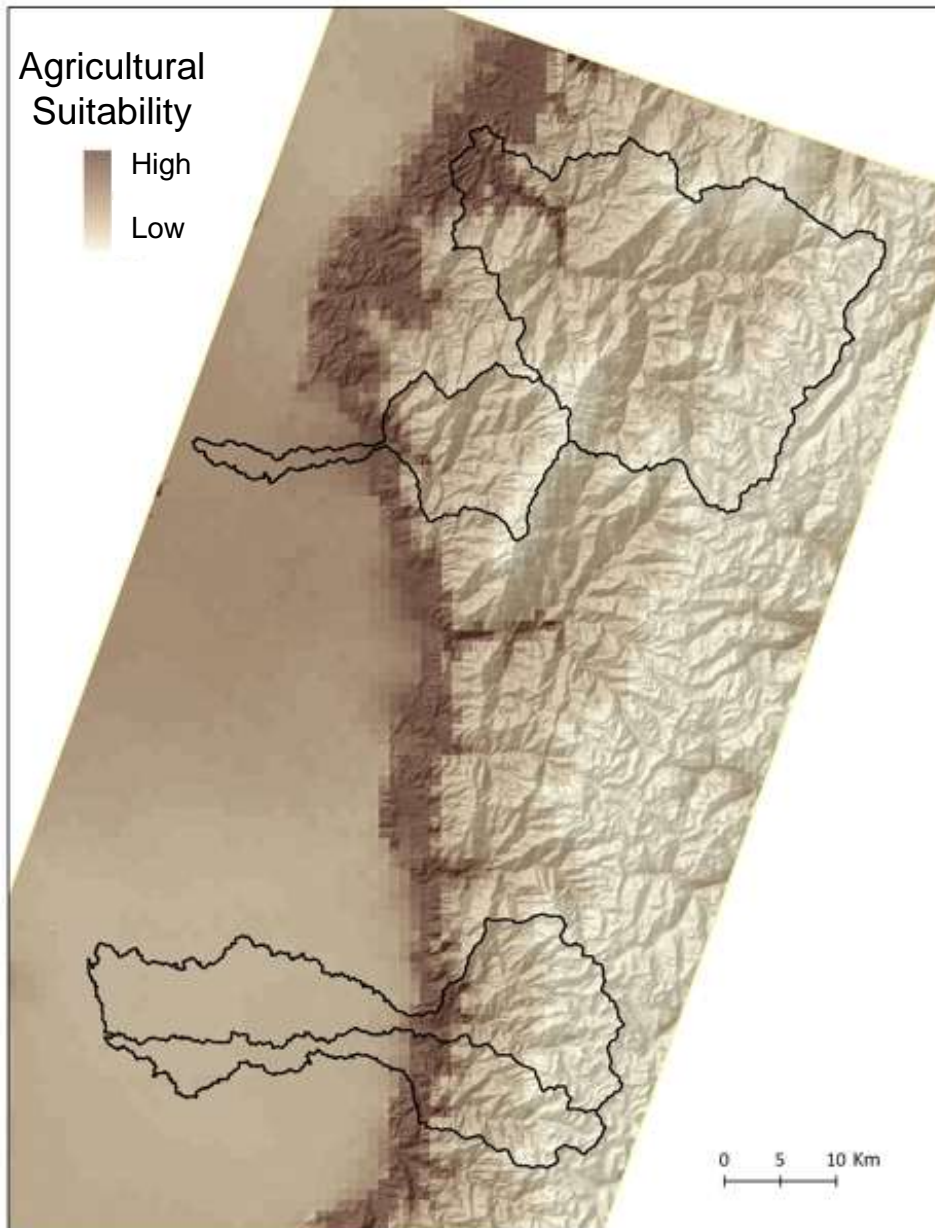
Estimated Future Water Yield



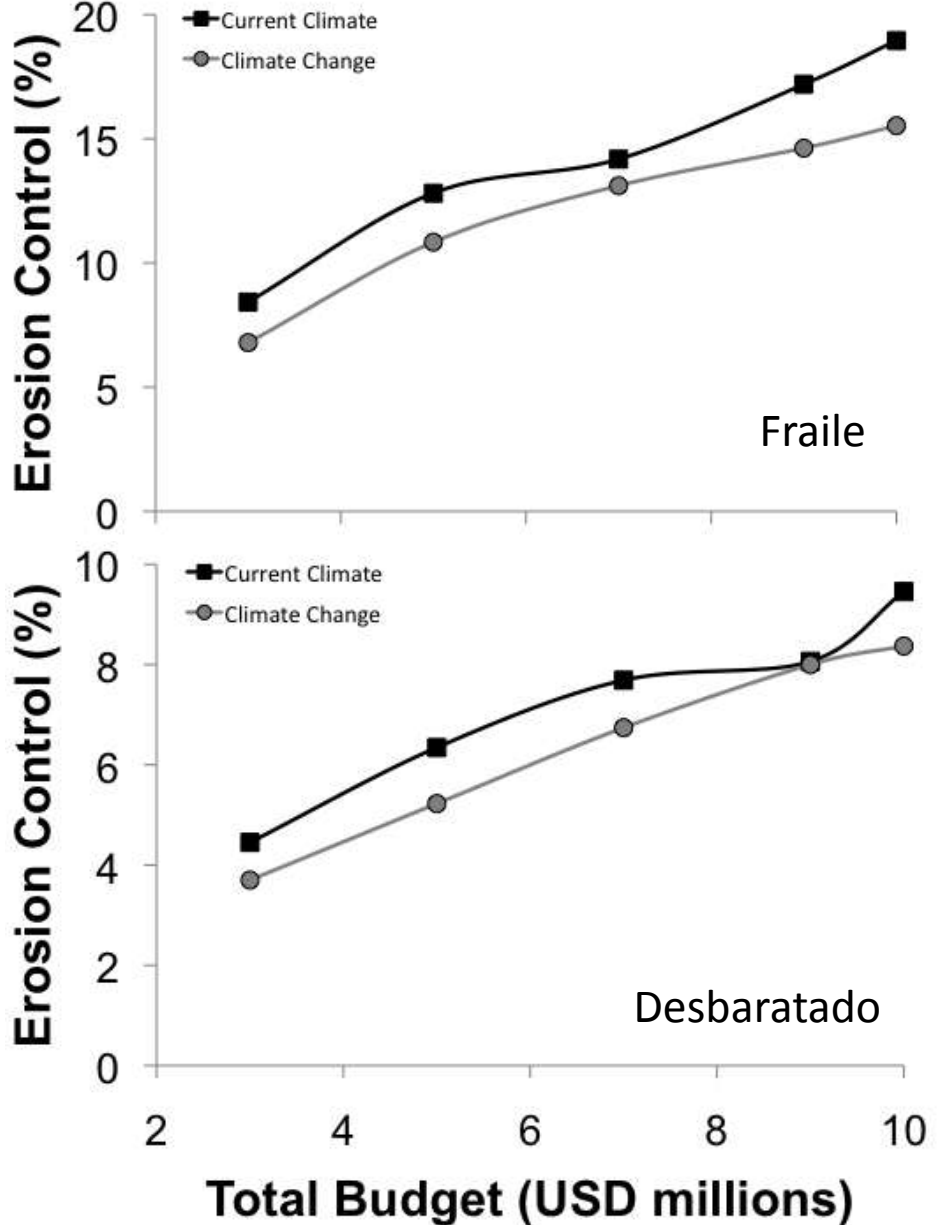
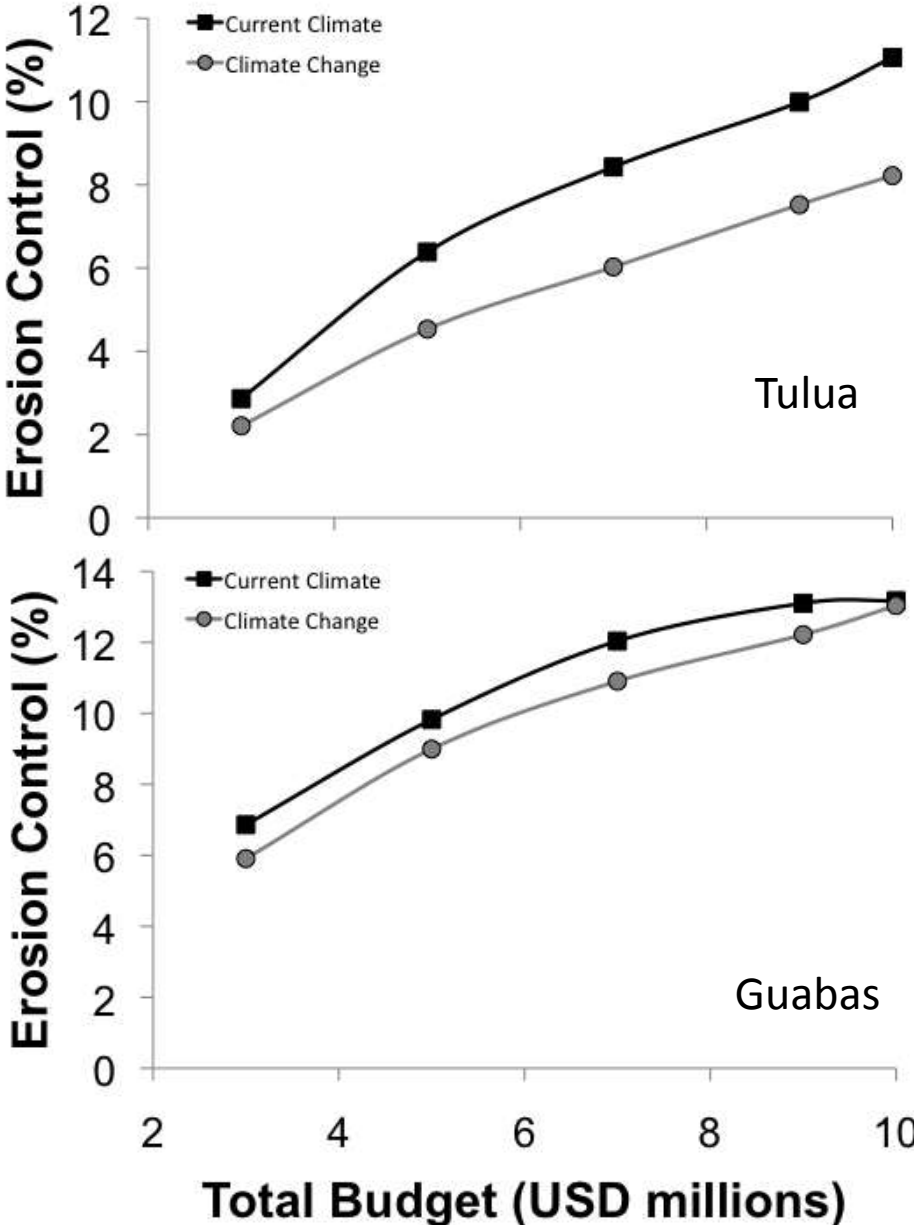
Estimated Future Sediment Yield



Agriculture and Biodiversity Shifts



Current Climate: Estimated Returns



Getting to Scale:

Latin American Water Funds Platform

New models

New analytical methods

Advising & learning

Developing & testing standards



