

From Valuation to Action: Strategies to integrate nature into decision- makings

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- Biodiversity Conservation
- Climate Change Mitigation and Adaptation
- Sustainable Production

THE NATURE CONSERVANCY (TNC)

MISSION: CONSERVE THE LANDS AND WATERS ON WHICH ALL LIFE DEPENDS

81
Countries
and
territories

5,000+
staff

1,000
scientists

>500
university
& NGO
partners

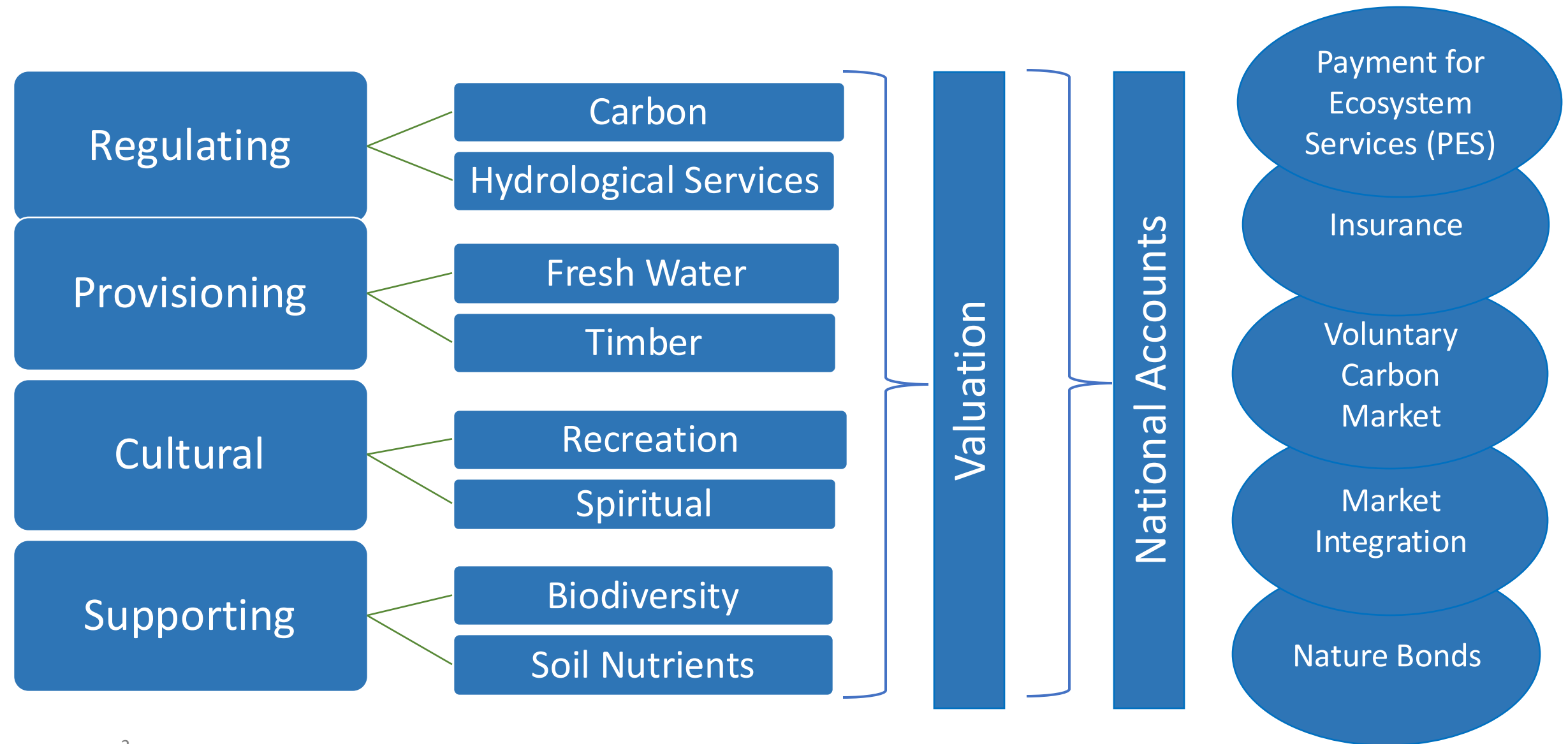
\$1B
operating
budget

1M
dedicated
members

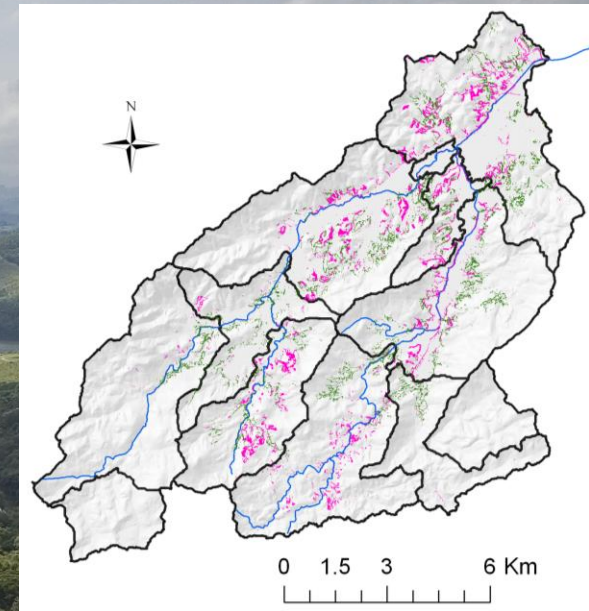
125M
acres
protected

100
marine
projects

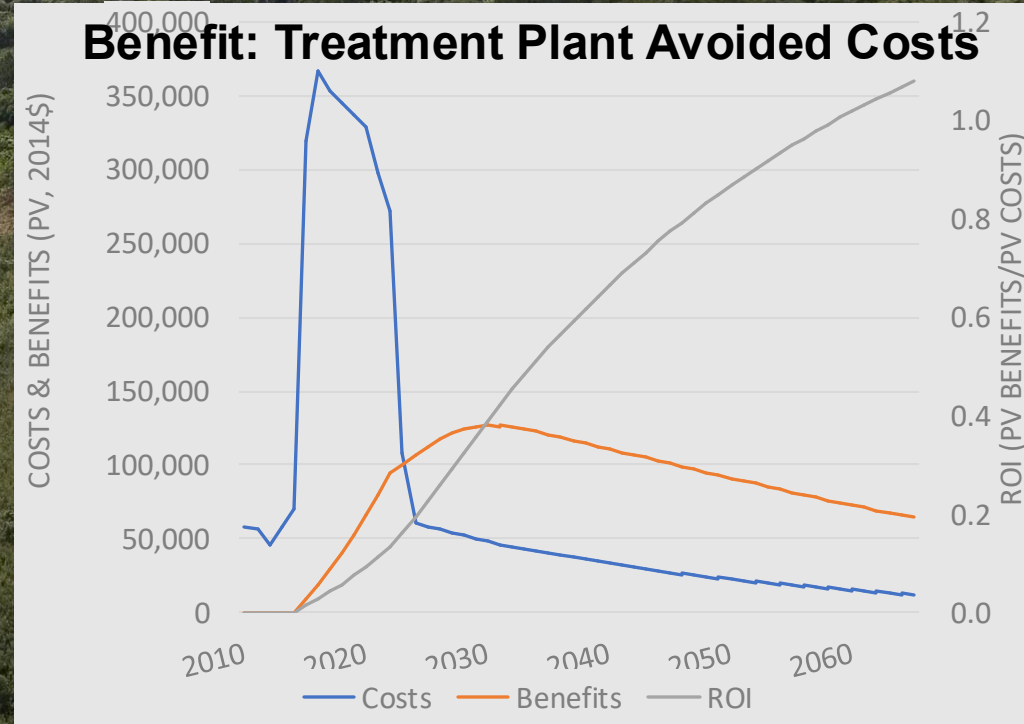
Ecosystem services offer benefits that need valuation, accounting and integration into decision-making



Water funds -- Paying landowners to reforest, Brazil (Kroeger et al. 2019)



Benefit: Treatment Plant Avoided Costs

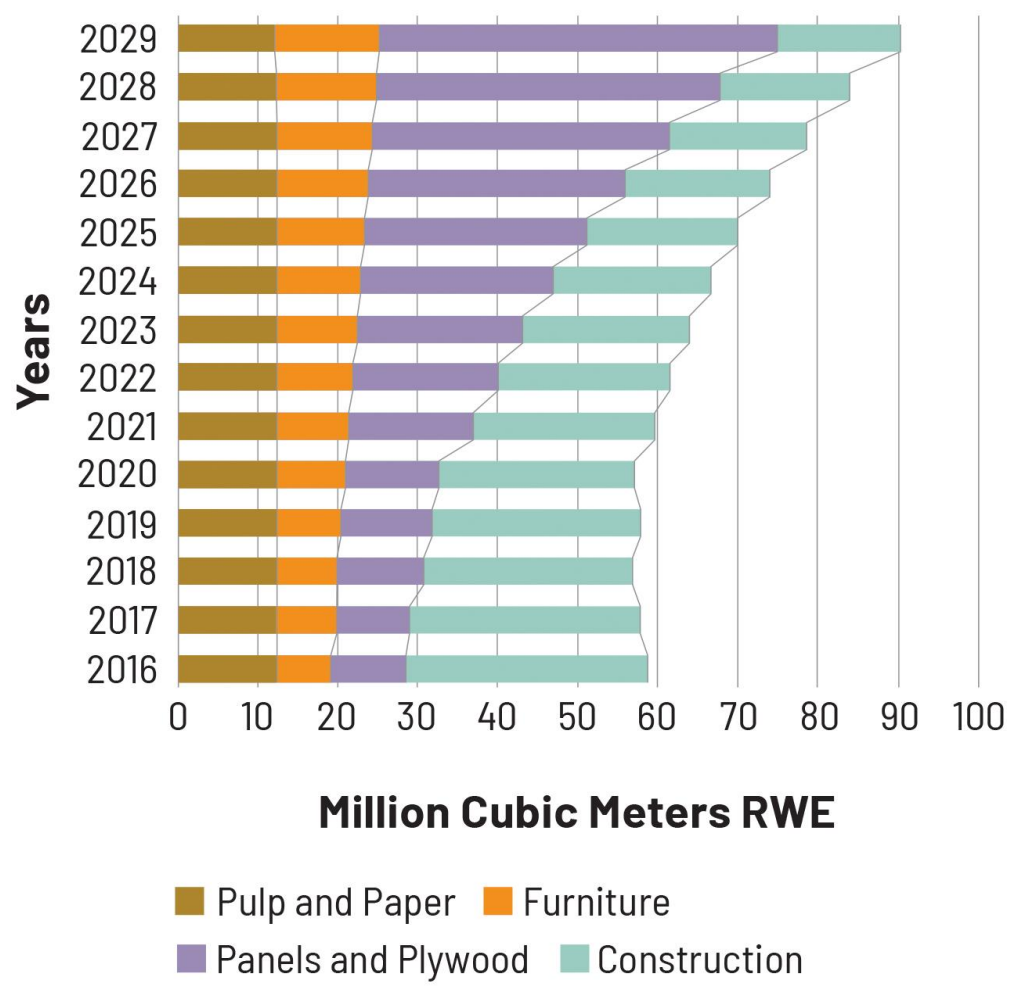




Carbon markets - Conserving big fauna in Africa (Berzaghi et al. 2022)

- Elephants increase above ground forest carbon by allowing trees to grow larger
- Carbon sink from protection = 109 mt of carbon across Africa (30 years)
- Value of carbon services = \$25.9 billion over 30 years
- Lost carbon services from poaching = \$7 billion (30 years)
- Benefits can be used for sustainable local development

Market Integration - Unlocking Agroforestry, India (Anand et al. 2025)



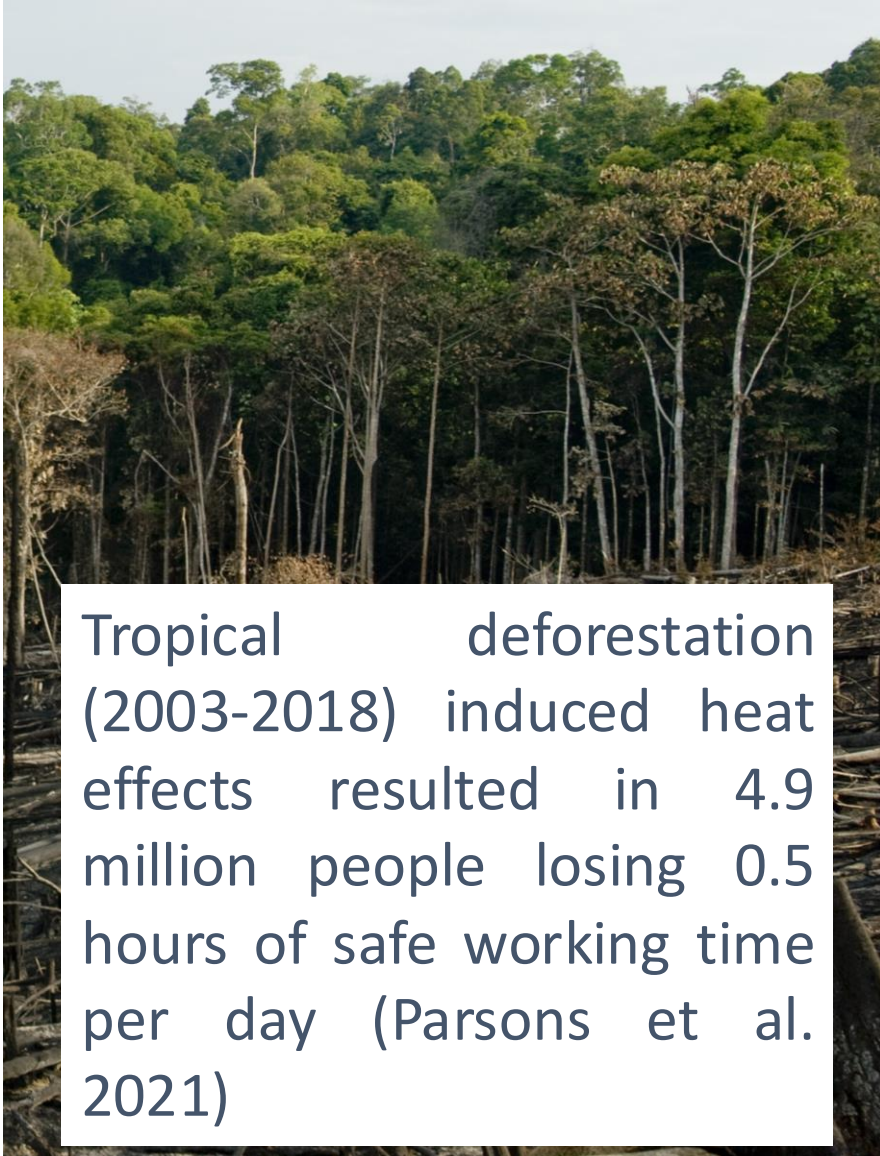
Wood Demand, India (Kant and Nautiyal, 2021)



Positive annualized return and NPV Agroforestry (Teak/Mango)

Farm labourers in Karnal region, Haryana © Smita Sharma/TNC

Index-based Insurance - Adapting to increased heat from climate change?



Index-based insurance is being used for payouts to women when temperature crosses a threshold via SEWA (Self-Employed Women's Association), India

Nature Bonds – Financing the conservation of biodiversity in the Amazon Bio-corridor, Ecuador



Goal

- Improve management in 4.6 mha
- Protect additional 1.8 mha
- Support ~400,000 population

Finance

- \$460 million for bio-corridor
- \$1.83 billion debt re-financed

Thank you



“It always seems impossible until it is done.” – Nelson Mandela