



United Nations Climate Change
Global Climate Action

Global Climate **Action**
United Nations Climate Change

Land Use Action Event

Maximizing the contribution of the land use sector to a 1.5°C climate neutral and resilient world

Dec 6, 2019 15:00 – 18:00 | Torres del Paine Room

Opening Session

Marrakech
Partnership



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United Nations Climate Change

Maka Monture
Indigenous and Youth representative, southeast Alaska



Natural Climate Solutions

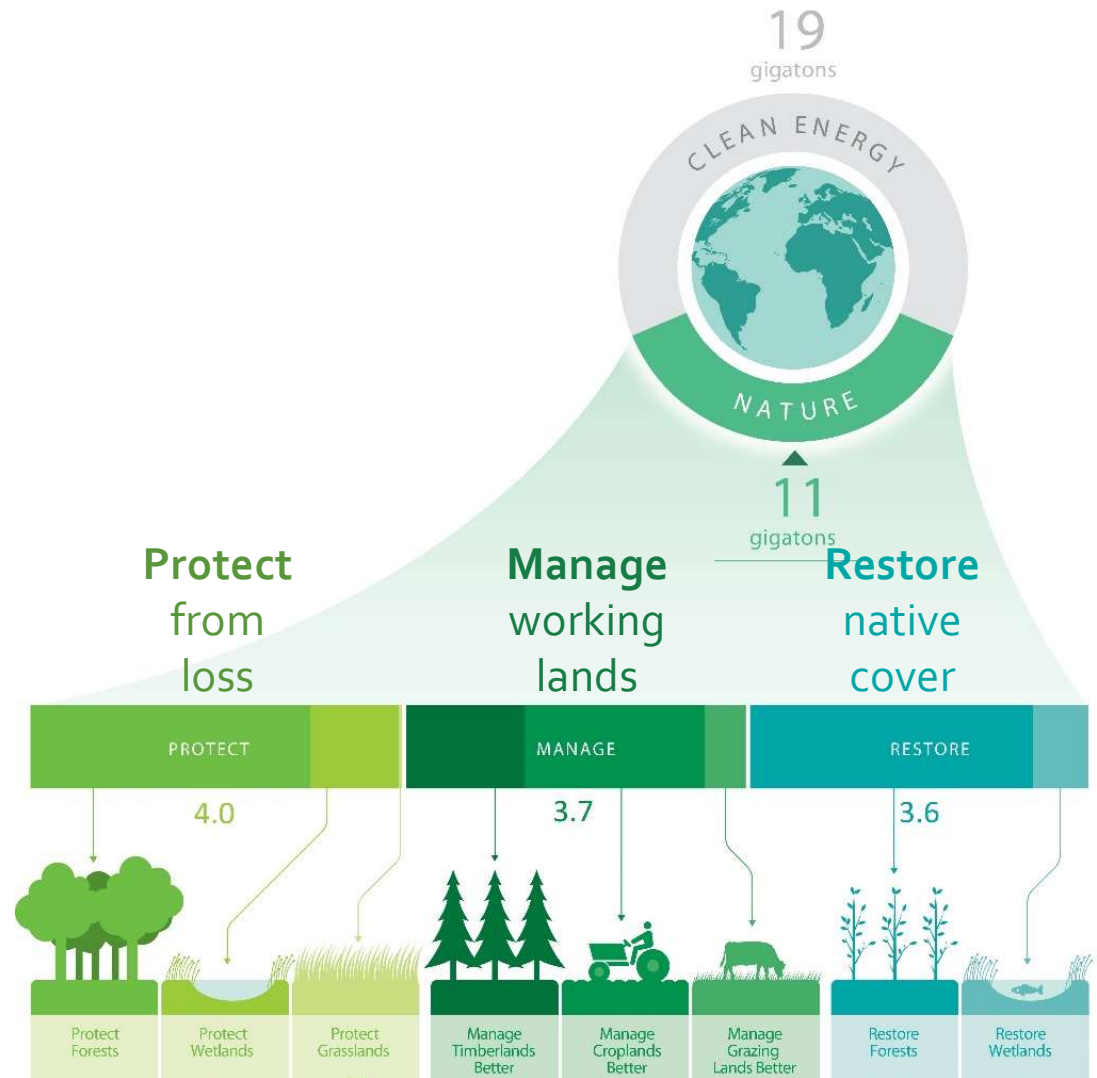
Peter W. Ellis
The Nature Conservancy
COP25

A close-up photograph of a green leaf, showing a network of veins. The central vein runs vertically down the middle, with smaller veins branching out to the left and right. The leaf's surface is a vibrant green, and the veins are a slightly darker shade, creating a complex, organic pattern.

How much can NCS contribute?

How to activate NCS?

Nature goes to eleven.





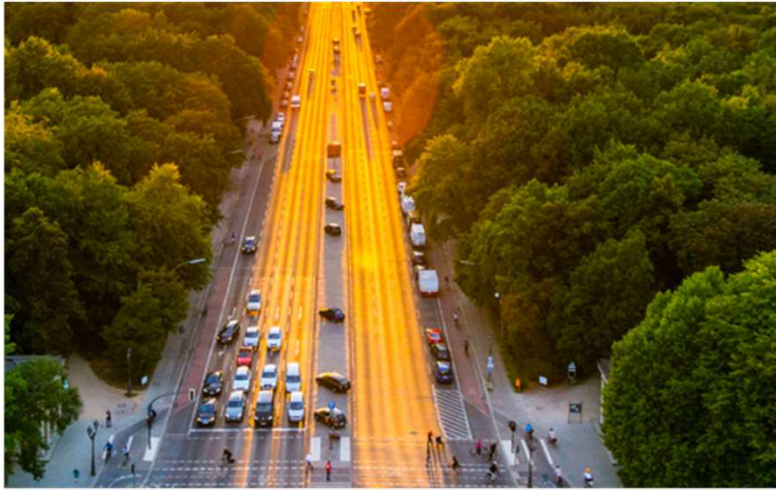
THE OPPORTUNITY

NATURAL CLIMATE SOLUTIONS OFFER
OVER HALF OF NEEDED CLIMATE CHANGE MITIGATION
FOR HALF OF TROPICAL COUNTRIES

TOTAL: 6.6 gigatonnes CO₂e per year

CO-BENEFITS

AIR



SOIL



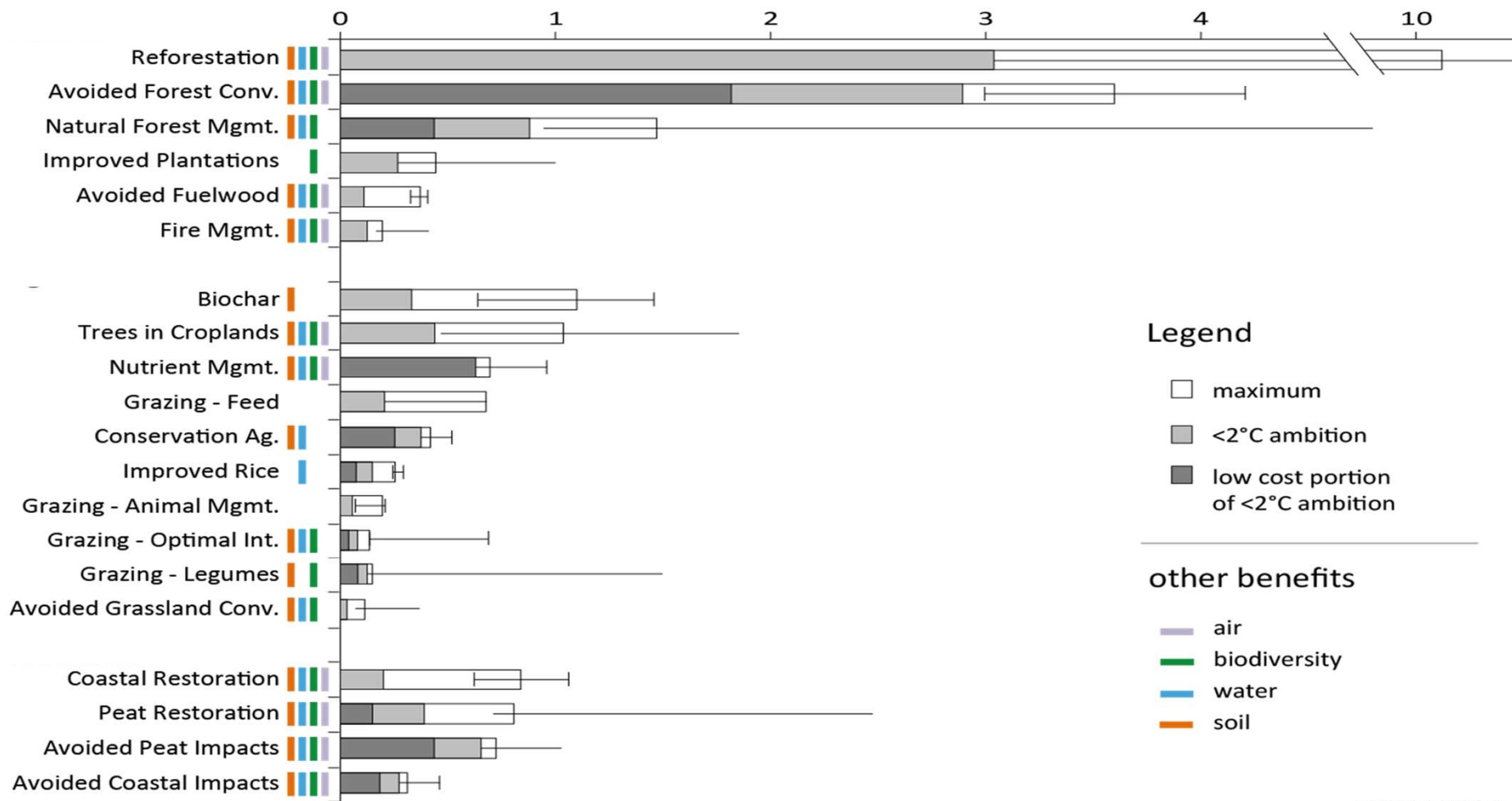
Blackburnian Warbler, male
courtesy Jack Bartholmai

BIODIVERSITY



WATER

climate mitigation potential in 2030 (Gt CO_{2e} yr⁻¹)



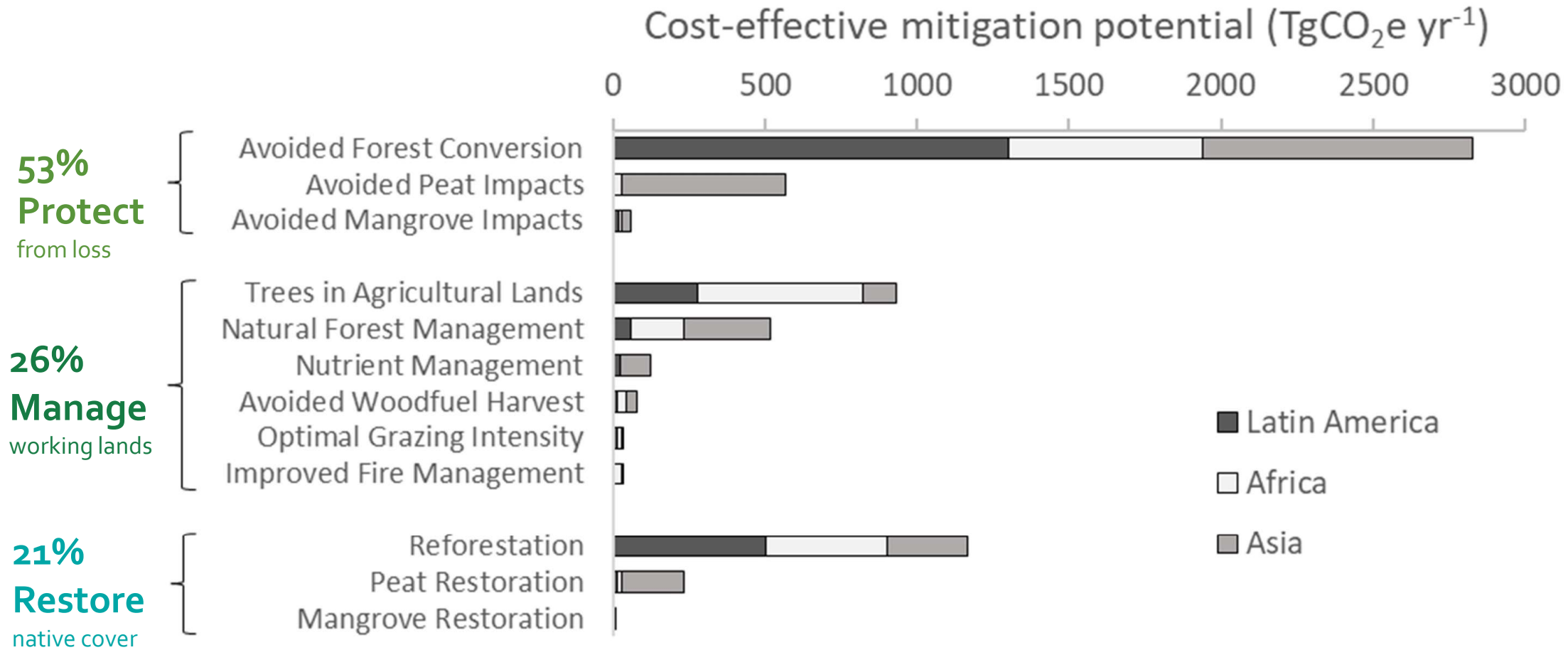
Legend

- maximum
- <2°C ambition
- low cost portion of <2°C ambition

other benefits

- air
- biodiversity
- water
- soil

Natural Climate Solutions in the Tropics





Peter Woods Ellis



Global Natural Climate Solutions Science

pellis@tnc.org

Outline of the Land Use Action Event

Topic 1: **Landscape Restoration** moderated by Jamison Ervin, NYDF Secretariat

Topic 2: **Forest conservation and REDD+** moderated by Frances Seymour, WRI

Topic 3: **Supply chains and food systems** moderated by Maria Jose Sanz, Basque Centre for Climate Change

Topic 4: **Greening cities** moderated by Frances Seymour, WRI

Topic 5: **Finance for the forest and land use sector** moderated by Josefina Brana-Valera, WWF

Session 1: Landscape Restoration

UN Decade on Ecosystem Restoration 2021-2030

- Preventing, halting and reversing ecosystem degradation
- Nature based, multi-stakeholder solutions
- 350 million ha of degraded land restored by 2030
- up to USD 9 trillion in net benefits.

*A movement for awareness raising,
changing behavior
and action at all levels*



UN 
environment





Forest Landscape Restoration to support the achievement the long-term vision of the Paris Agreement



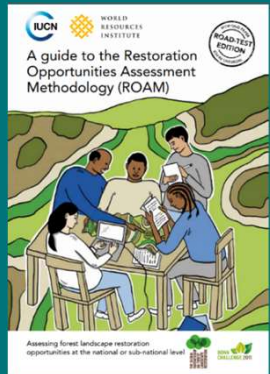
FROM PLEDGES



172 Million has of pledges

62 Countries
Subnational governments
Private organizations

AND EVIDENCE



600 Million hectares assessed

160+ Million hectares with restoration priorities so far

68 Countries & jurisdictions pledgers and potential pledgers

TO TRACKING PROGRESS

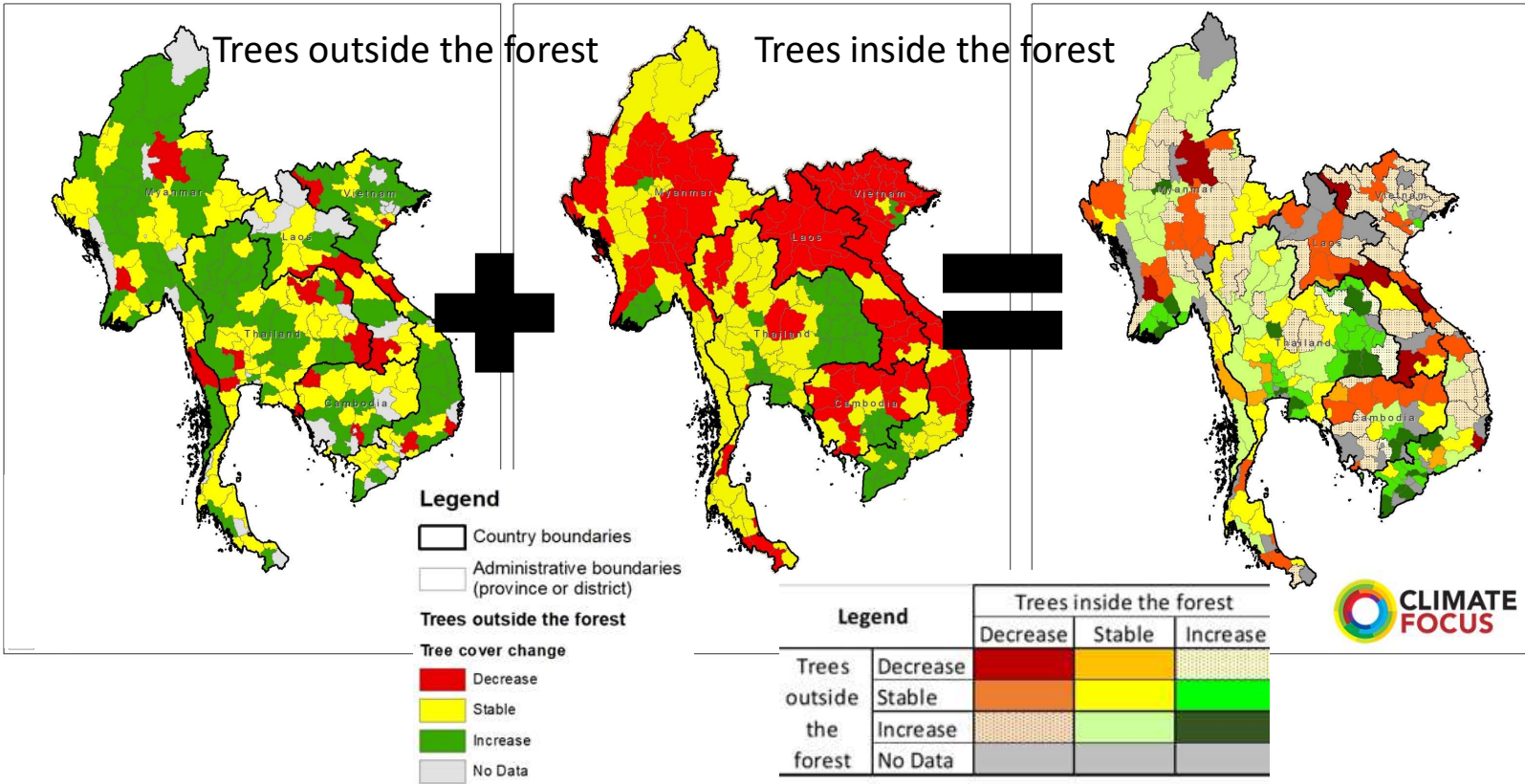


13 Countries/jurisdictions Including in depth analysis for Brazil, Rwanda, El Salvador, Mexico's Quintana Roo State, United States

45 Million has under implementation

56 % implementation rate

New Monitoring Efforts: Global Restoration Observatory “GRO”



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Grace Balawag

Igorot Kankanaey IP, the Philippines

Session 2: Conservation and REDD+

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Eron Bloomgarden

Executive Director of Emergent

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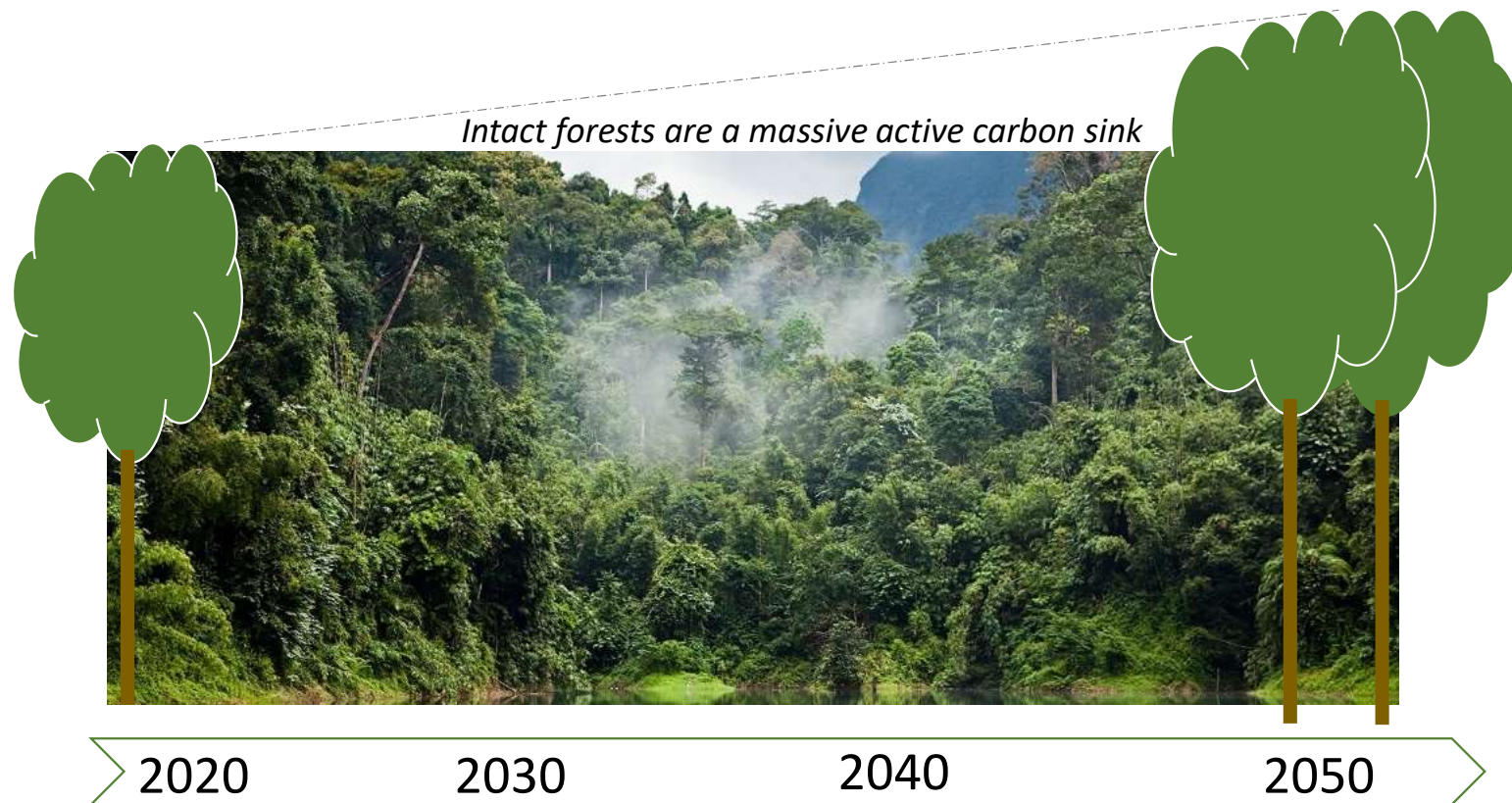
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Jose Antonio Prado

Advisor to the COP Presidency, CONAF Chile

Intact ecosystems, especially forests, absorb 29% of ALL human CO₂ emissions each year

If we degrade or clear these intact ecosystems, net CO₂ levels will rise at least 33% faster
The impact of intact forest loss on this service is very large and routinely overlooked



Dr Tom Evans
tevens@wcs.org

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Sara Omi

President of the Alto Bayano IP Congress and Coordinator of
leader of Women Territorial Leaders of Mesoamerica

Session 3: Supply chains and food systems



Transforming Food Systems Under a Changing Climate

www.transformingfoodsistemas.com/



RESEARCH PROGRAM ON
Climate Change,
Agriculture and
Food Security



Action areas

1. Reroute

farming and rural livelihoods to new trajectories.

2. de-Risk

livelihoods, farms and value chains.

3. Reduce

emissions through diets and in value chains.

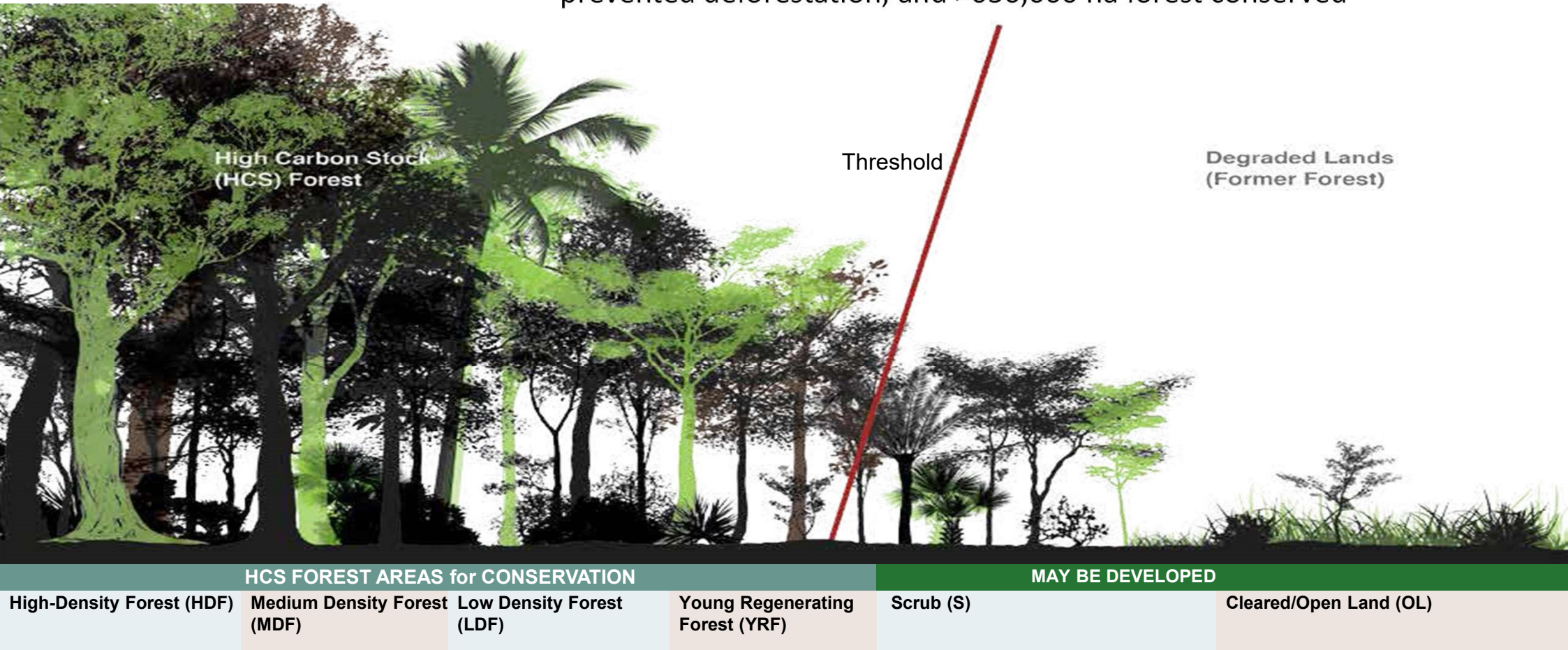
4. Realign

policies, finance, innovation, and support to social movements.



A Nature-Based Solution for Putting No Deforestation into practice: no conversion of natural forests to plantations or agriculture

- global, multi-commodity, multi-stakeholder, multi-scale, science-based, practical, integrative, pro community rights & livelihoods, and results-based: 7 million+ ha prevented deforestation, and >650,000 ha forest conserved



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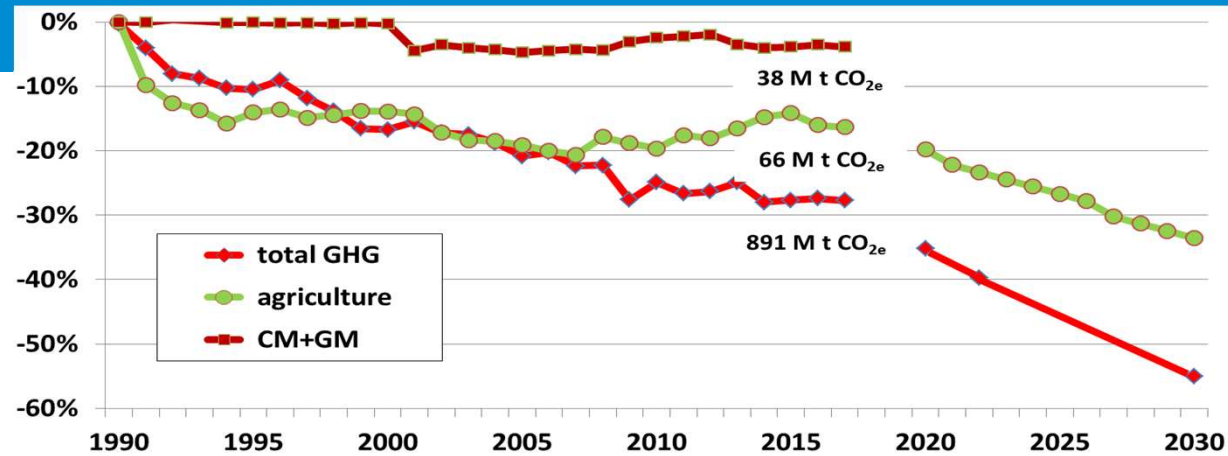
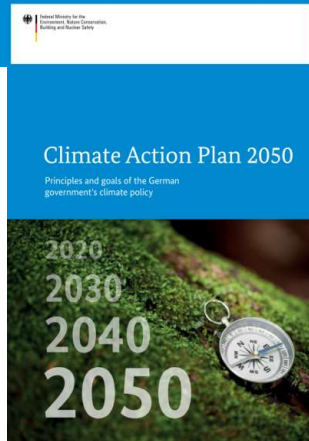
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Kay Harrison

New Zealand Climate Change Ambassador

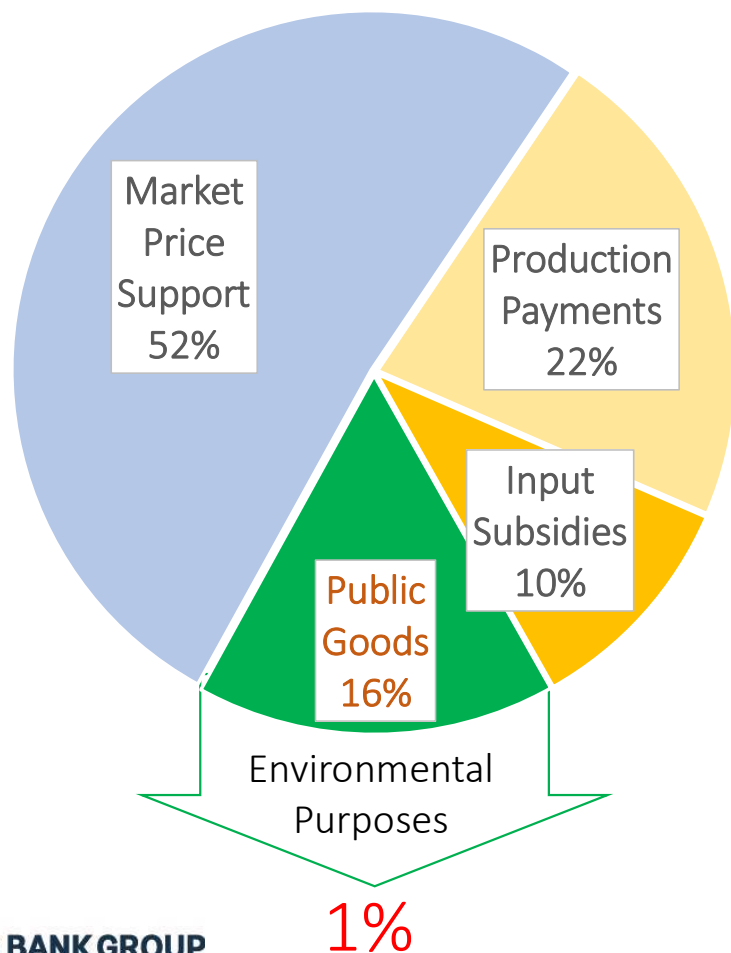
German Climate Action Plan 2050 – targets for 2030



- Sectoral reduction target for agriculture (-34% compared to 1990)
- LULUCF sector is currently a net sink, which shall be safeguarded
- Measures: Curb down N surplus and ammonia emissions, manure use in biogas production, energy efficiency, increased area of organic farming, increase soil organic carbon, peatland restoration, grassland conservation



- Public Support to Agriculture by Category (2015-17)



Total: US\$ 570 billion per year
Equivalent to 28% of Agriculture Sector Value Added

- Two forms of public support have the most distortive potential:
 - Coupled subsidies** (i.e., tied to inputs or outputs): Fertilizer subsidies, in particular, have contributed to the overuse of nitrogen fertilizer globally resulting in high GHG emissions and other environmental problems.
 - Price support**, which encourages over-production of certain commodities and inefficient use of limited natural resources, and in some notable cases encourage land use conversion.

Session 4: Re-greening cities

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Emani Kumar

Regional Director for ICLEI South Asia and ICLEI Deputy
Secretary General

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Begona Villacis
Vice Mayor of Madrid

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Andres Flores

Director of Climate Change and Energy, WRI Mexico

Session 5: Finance for land-use based responses to climate change

Paul Simpson
CEO, CDP

Shifting trillions to sustainable
land use

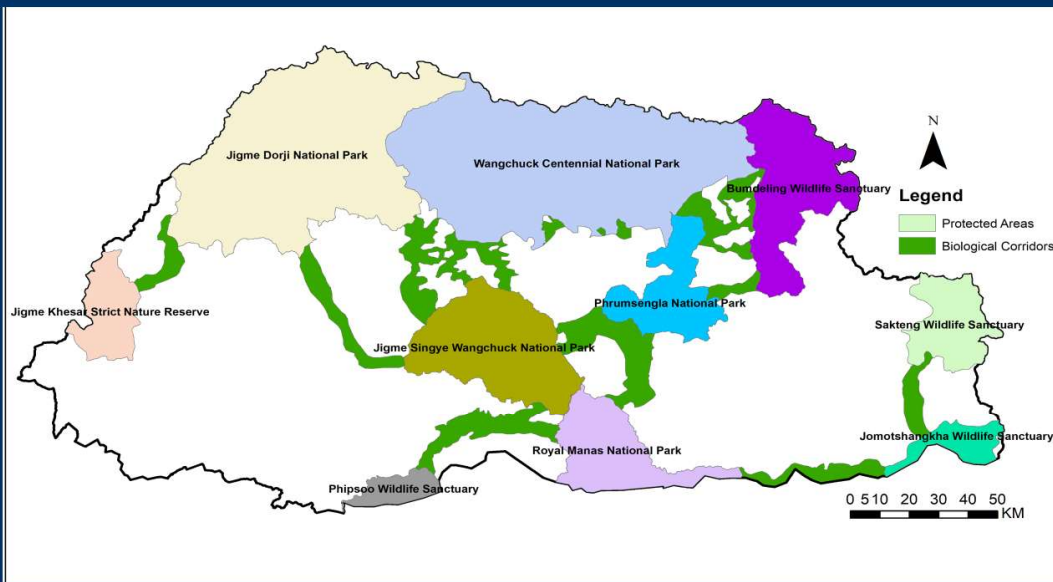


The problems facing the world today – they challenge all of us equally. And the solutions to these challenges must come from a real sense of concern and care for others, for all sentient beings and, for future generations. We must care about what happens to this earth”

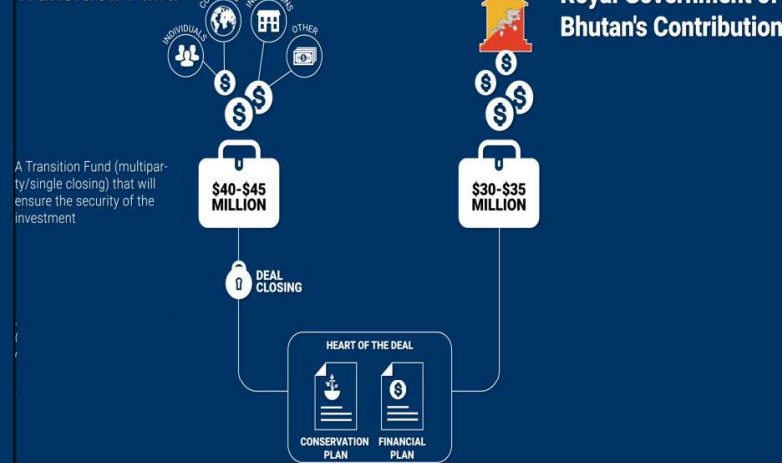
His Majesty the King of Bhutan, 2011, Keio University, Japan



Bhutan for life is not for youth. It belongs to the youth of Bhutan”.-His Majesty



Transition Fund

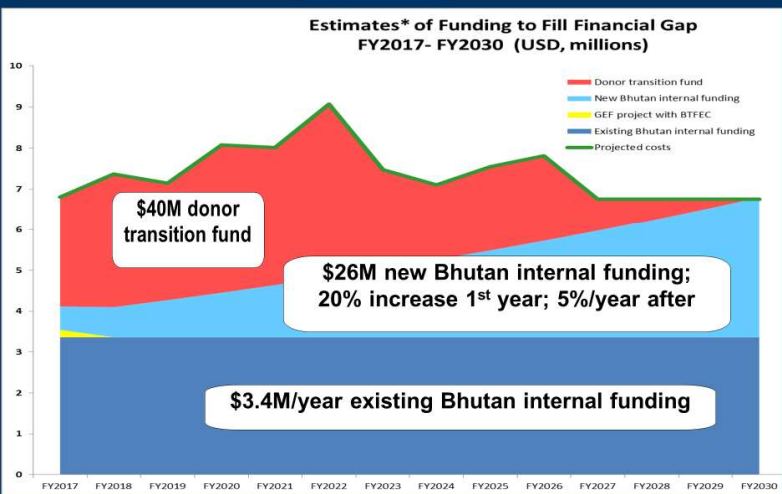


2M
Hectares of Protected Area.

2
Flagship Species

2.4M
Tons of Carbon sequestered

4,500
Miles of rivers



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Gustavo Fonseca

Director of Programs, Global Environment Facility

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Jennifer Morris

President, Conservation International

SPEED UP ACTION TO BECOME CLIMATE POSITIVE
REMOVING AND STORING CARBON THROUGH FOREST AND TREES



Closing remarks

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Thank you!