Towards a Framework for Nature-Based, Sustainable and Inclusive Economic Paradigm

Panel 1: Climate Change and Sustainable Development

2nd Regional Conference on IPCC, Chile

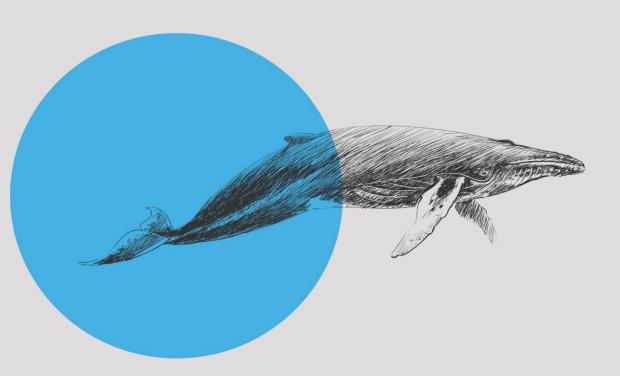
Ralph Chami Assistant Director, IMF June 2, 2021

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A New Story: Win-Win Model

Economic Paradigm with Nature at its core

Economic prosperity that is Sustainable, Inclusive, and Nature Friendly



The Current Story: Win-Lose Model

Nature is an externality

Nature is free and limitless

Climate Change and Covid-19 crisis

Deaths of over 3 million and rising

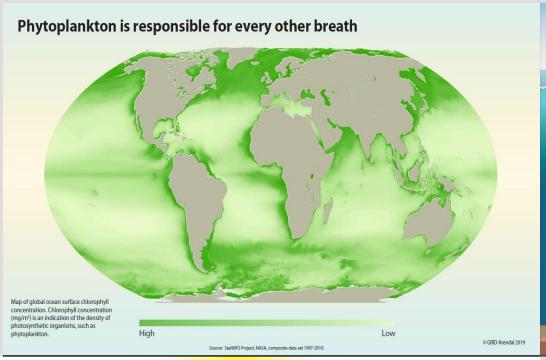
Loss of 5.5 % of global growth

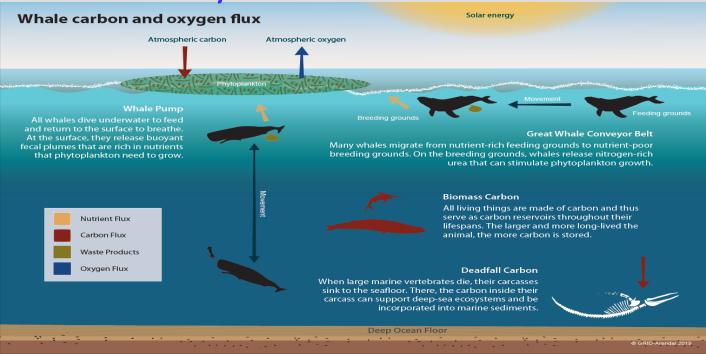
Millions more pushed into poverty and destitution

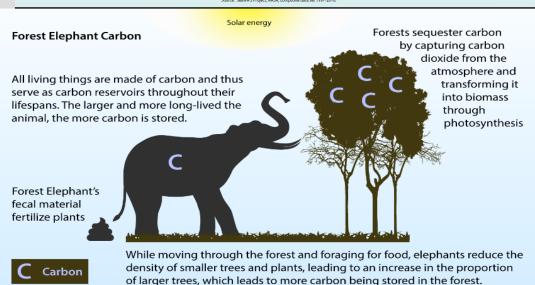
The "hard" Lesson:

Nature is critical to our Health and to our Prosperity

Science tells us: Biodiversity is Valuable









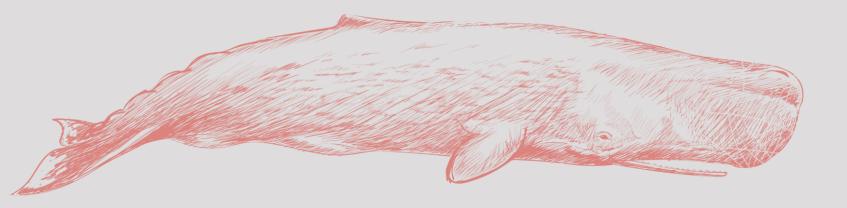
Saltmarshes capture 5 tonnes of CO2 /h/y and are flood control

Yet

Market value of ecosystem service of a Living whale is zero,

Dead whale is worth \$40,000-\$80,000

Market Value of carbon sequestration service of a Living Elephant is zero, Dead Elephant is worth \$10,00-\$40,000



What's missing?

Translate value to Price

Placing a market value on these ecosystem services

To engage policymakers, financial markets, businesses, and investors

A Living Nature is Valuable

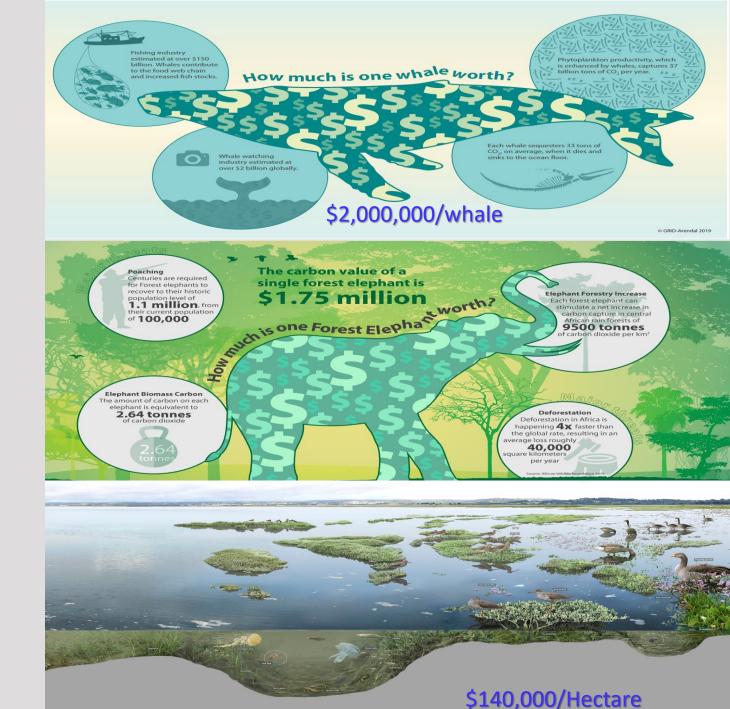
Ecosystem Services

Climate change Mitigation

Paradigm Shift: From Extractive to Regenerative Nature

• COP 25:

Ocean essential to mitigating climate change



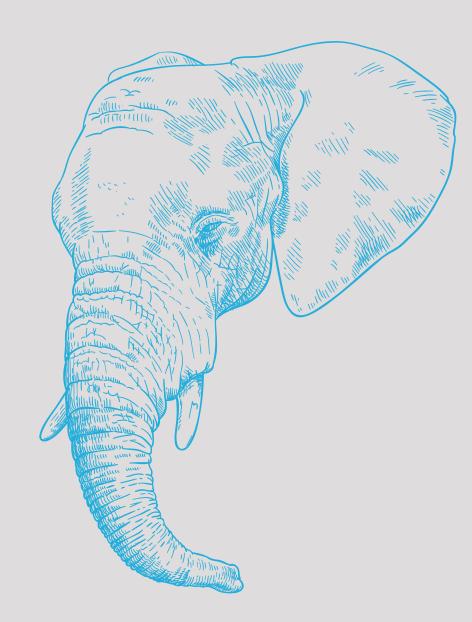
But...Nature is still **Under Threat**

African forest elephants are now on IUCN critically endangered list.

One million species are now at risk of disappearing (IPBES, 2019)

Forests: 1990-2016 -- 1.3 million square kilometers (size of South Africa) of forest lost (World Bank)

Blue Carbon Ecosystems Loss – 340,000-980,000 ha annually (Reef Resilience Network)



Policy Needed to Create Markets around Regeneration of Nature



LEGAL RIGHTS

MONITORING

ENFORCEMENT

INCENTIVES



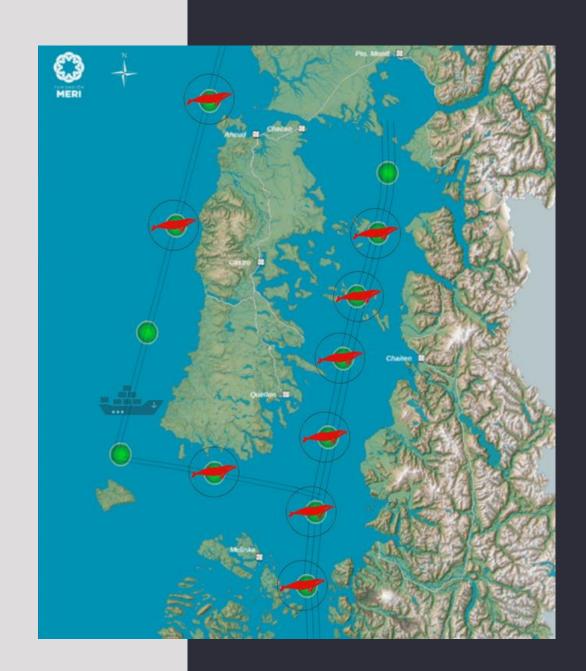
The Blue BOAT Initiative

It seeks to:

Protect whales and monitor the oceans to address the climate crisis.

- Install and connect the first South American early warning network for the protection of whales.
- Pilot project in Northern Patagonia, the area with the highest concentration of blue whales and other cetacean species in Chile.
- To contribute to the care of cetaceans in Chile, avoiding the risks of collision between vessels and cetaceans and valuing the ecosystem services of these cetaceans.

The system will also allow monitoring oceanographic factors that affect climate change.



Buoy Ocean Alert Technology



Legal Rights of Nature

New Zealand recognizes Whanganui River and Forests as a legal entity, an "indivisible and living whole" with legal personhood

2012 UN resolution by IUCN for the Universal Declaration of the Rights of Nature

Value of Natural Capital to our Economic Well-Being



VALUATION OF NATURAL SERVICES

ESTABLISH LEGAL RIGHTS/PROTECTION

ALLOWS PUBLIC-PRIVATE PARTNERSHIPS

CREATES LOCAL EMPLOYMENT

ENCOURAGES COMMUNITY OWNERSHIP

DIVERSIFIES THE ECONOMY

Final Chapter A Win-Win Model

The sustainability of our economic system depends on the sustainability of our ecosystems and biodiversity

Creating Markets for Services of Living Nature

Leads to economic prosperity that is sustainable, inclusive, and nature friendly

