

Regional Cooperation for the **Management of Transboundary Ecosystems in Asia & the Pacific**

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Presentation Overview

ADB's approach on natural capital

Regional cooperation on large-scale ecosystem

Greater Mekong Subregion

Coral Triangle

Conclusions



ADB's Environment Operations

Environmentally sustainable growth as one of 3 development agendas, and environment as a core area of operations





Investing in Natural Capital ADB's Approach



1. Investments

- Protect, & maintain the productive potential and performance of land and water resources.
- Support food, water and energy security, climate change mitigation and adaptation.

2. Technical assistance

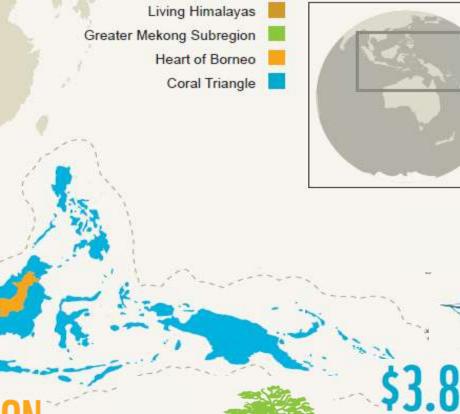
- Environmental governance strengthening
- Regional cooperation for large-scale ecosystems
- Valuation of natural capital
- **3. Strengthening biodiversity safeguards**



4. Partnerships and financial resource



Focus on Critical Large-scale Eco-regions



BILLION SOURCE OF FRESH WATER FOR **1 BILLION PEOPLE**





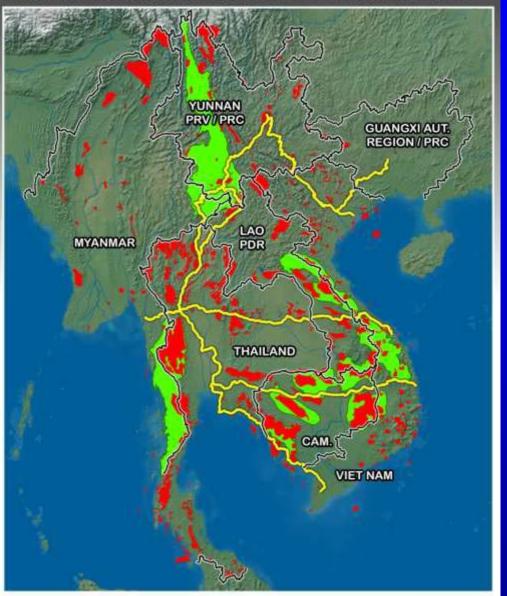
LIVELIHOODS OF 60 LION PEOPLE DEPEND **ON THE MEKONG RIVER**



22 MILLION HA **OF RAINFOREST** - THE LARGEST CONTIGUOUS FOREST **AREA REMAINING IN** SOUTHEAST ASIA

\$3.8 BILLION TOTAL VALUE OF INTERNATIONAL FISHERIES **EXPORTS FROM CT COUNTRIES**

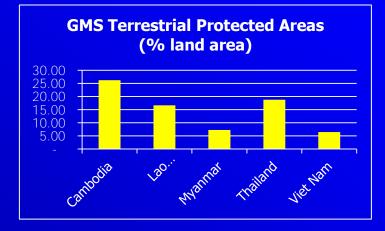
GREATER MEKONG SUBREGION ECONOMIC CORRIDORS, BIODIVERSITY LANDSCAPES & PROTECTED AREAS





GMS Values:

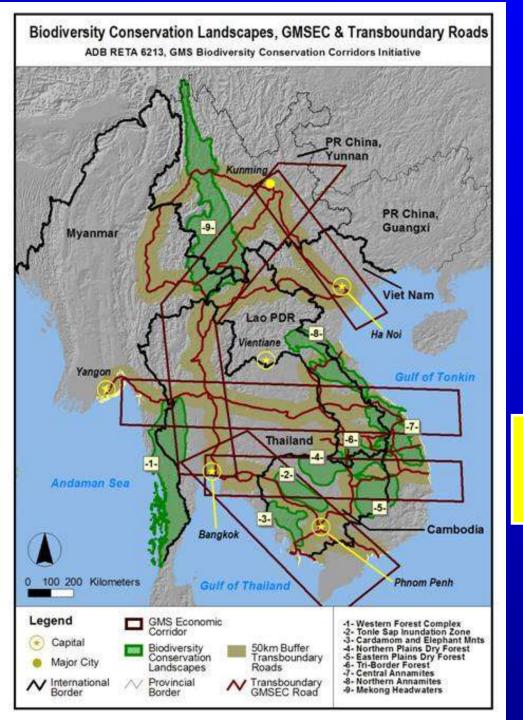
- High biodiversity
- Transboundary ecosystems
- PAs 13.1% of land area (2012, excluding PRC)



Threats:

- Rapid economic growth
- Deforestation, degradation and fragmentation
- Wildlife poaching & forest product trade.





Economic Development 8 Ecosystem **Interface** Economic **Biodiversity** conservation development corridors landscapes

ADB



Growth in Regional Trade (1990-2010)

- Rapid expansion of regional trade and regional road network
- Threats to ecosystems originate beyond administrative boundaries



GMS Core Environment Program & Biodiversity Corridors Initiative (2006-2016)

- Regional platform for environmental management linked to GMS Economic Cooperation Program & led by GMS WGE
- Funding: \$130 million investment to date.
- Outcome: Environment friendly and climate resilient GMS Economic Cooperation Program

1: Environment planning systems

2: Management of conservation landscapes for sustainable livelihoods

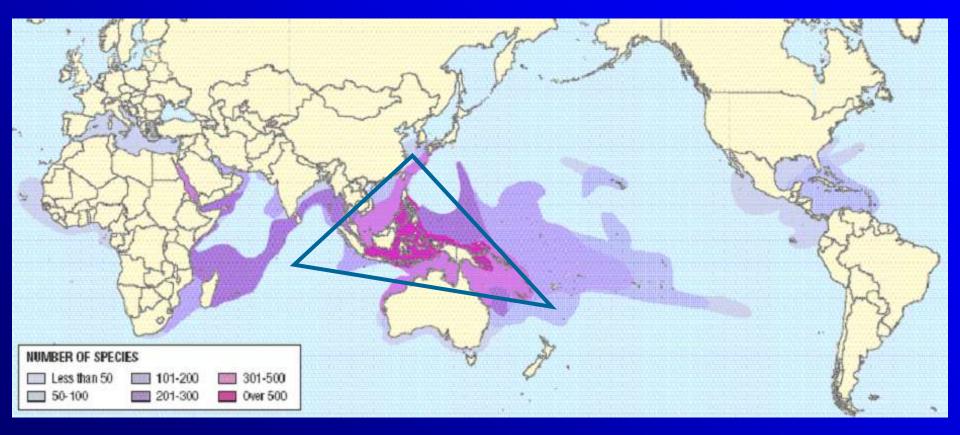
3: Climate resilience & low carbon development

4: Strengthened institutions and sustainable financing



The Coral Triangle

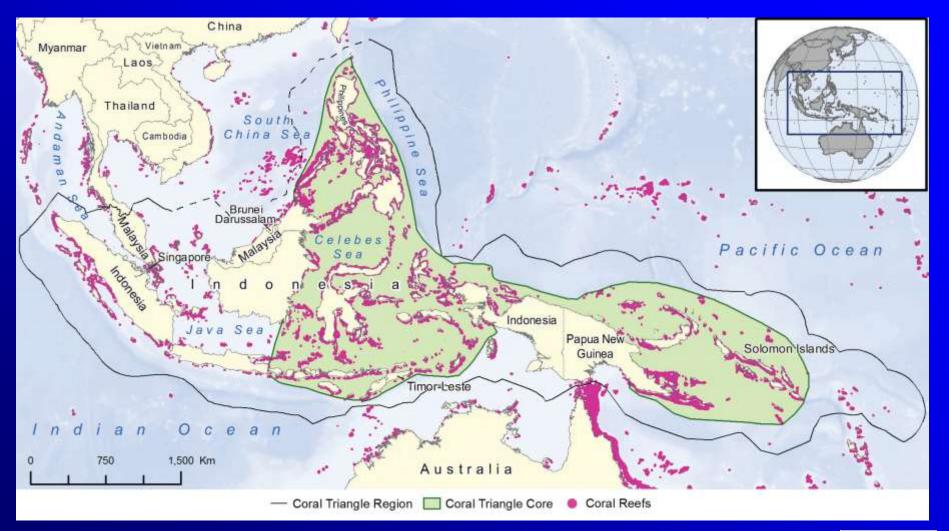
Global distribution of coral reefs and species richness



Source: J.E.N. Veron and Mary Stafford-Smith. Corals of the World (Cape Ferguson: AIMS, 2000)



Distribution of coral reefs



Source: WRI (2012)



Why reefs matter in the Coral Triangle?

Food and livelihoods

- 120 million people living in coastal areas
- Export income \$4 billion in fisheries exports.
 50% global tuna catch
- Employment 5 million + people employed in fisheries processing.

Tourism

- \$12 billion in annual revenue from coastal tourism
- Coastal protection
 - 45% of shorelines protected by coral reefs



International Pressures on Coral Triangle Assets

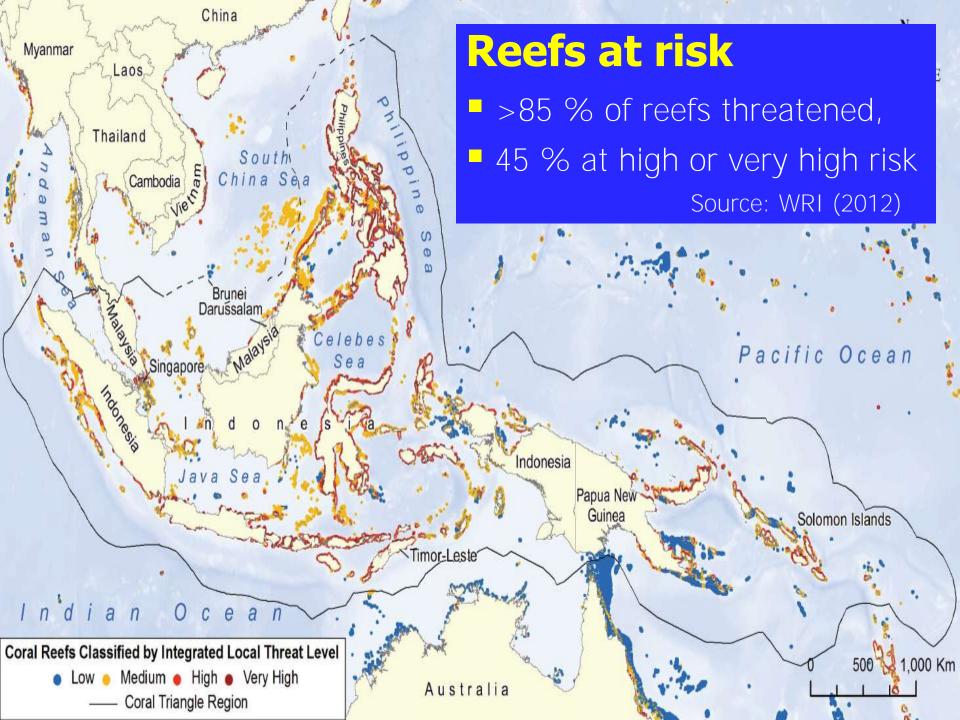


Local Challenges to Maintain Assets

- Habitat loss due to pollution and effects of climate change and acidification
- Unsustainable fishing levels and destructive fishing practices
- Unsustainable coastal development







Coral Triangle Initiative for Coral Reefs, Fisheries and Food Security

- CTI Plan of Action (2009): Overarching Goals:
- Designate and effectively manage priority seascapes
- Apply ecosystem approach to fisheries management
- Establish networks of MPAs
- Strengthen resilience and adaptation to climate change
- Strengthen measures to protect threatened marine species





CTI-CFF Coordination Processes

- Regional Secretariat establishment
- National and Regional Coordinating Committees
- Regional Plan and National Plans of Action
- Partner Group of key donors and NGOs
- State of Coral Triangle reporting process
- High Level political support working towards next Summit in 2014.



Regional priority activities

CTI MPA System

Protect 20% of marine and coastal areas by 2020

Ecosystem Approach to Fisheries Management

 Regional guidelines; & national legislative, policy and regulatory frameworks

Regional Early Action Plan for Climate Change Adaptation

- Vulnerability assessments, coastal planning



Status of Protected Areas

- Coverage of coral reefs within MPAs in the Coral Triangle Region is low.
- ~ 16 % compared to the global average of 28 %.
- ~ 6% of reefs are in MPAs with effective or partially effective management.
- Institutional, finance and capacity gaps



Final points

Regional cooperation important

 addressing biodiversity loss and PA
 management at landscape & seascape levels

- PA management needs to be integrated with planning and management at landscape and seascape levels
- PA management effectiveness remains weak
- Economic values and livelihood linkages
 need to be better integrated with planning.





Thank you

For more information:

http://www.adb.org/themes/environment/main

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