



ITTO's Cooperation on Sustaining Mangrove Ecosystems

International Conference on Blue Carbon Ecosystems for Sustainable Development with Special Emphasis to Mangrove Ecosystems

**11 – 13 January 2023,
Yokohama National University,**

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INTERNATIONAL TROPICAL TIMBER ORGANIZATION (ITTO)

Today's talk:



- ❖ About ITTO & SFM
- ❖ Facts about tropical forests
- ❖ ITTO projects on mangrove
- ❖ Strengthening cooperation to sustain mangrove ecosystems





- ITTO was established under the auspices of UNCTAD in 1983
- Consisting of 75 member countries, including EU:
 - 37 Producers
 - 38 Consumers
- The HQ is located in Yokohama
- ITTO, the only inter-governmental organization focused solely on tropical forest resources.



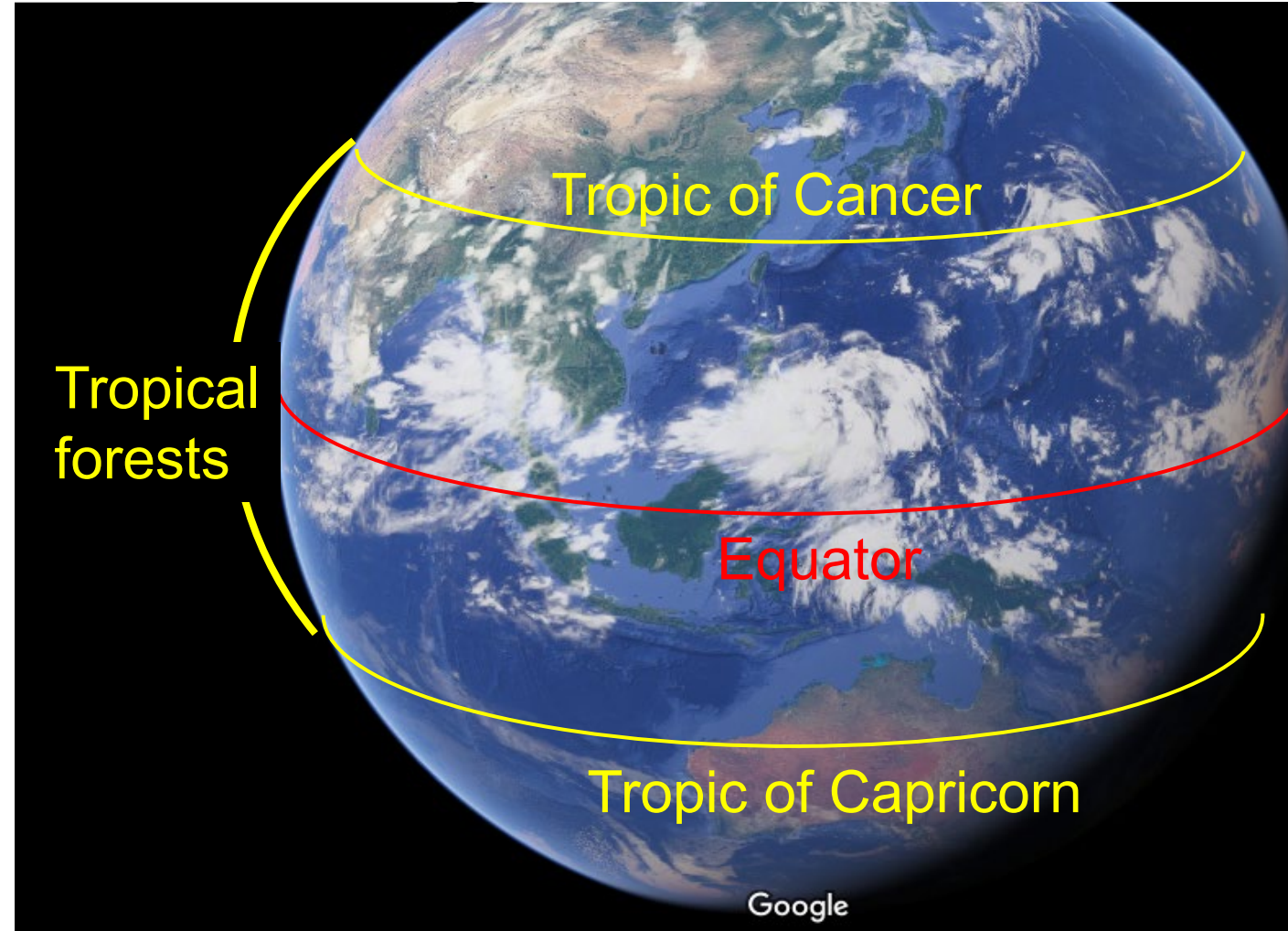
Tropical forests



Total Land area:
+14.9 billion ha
(30% of earth's surface)

Forests' area:
+4.2 billion ha
(29% of land area)

Tropical forests: +1.8 billion ha (45% of all forests)

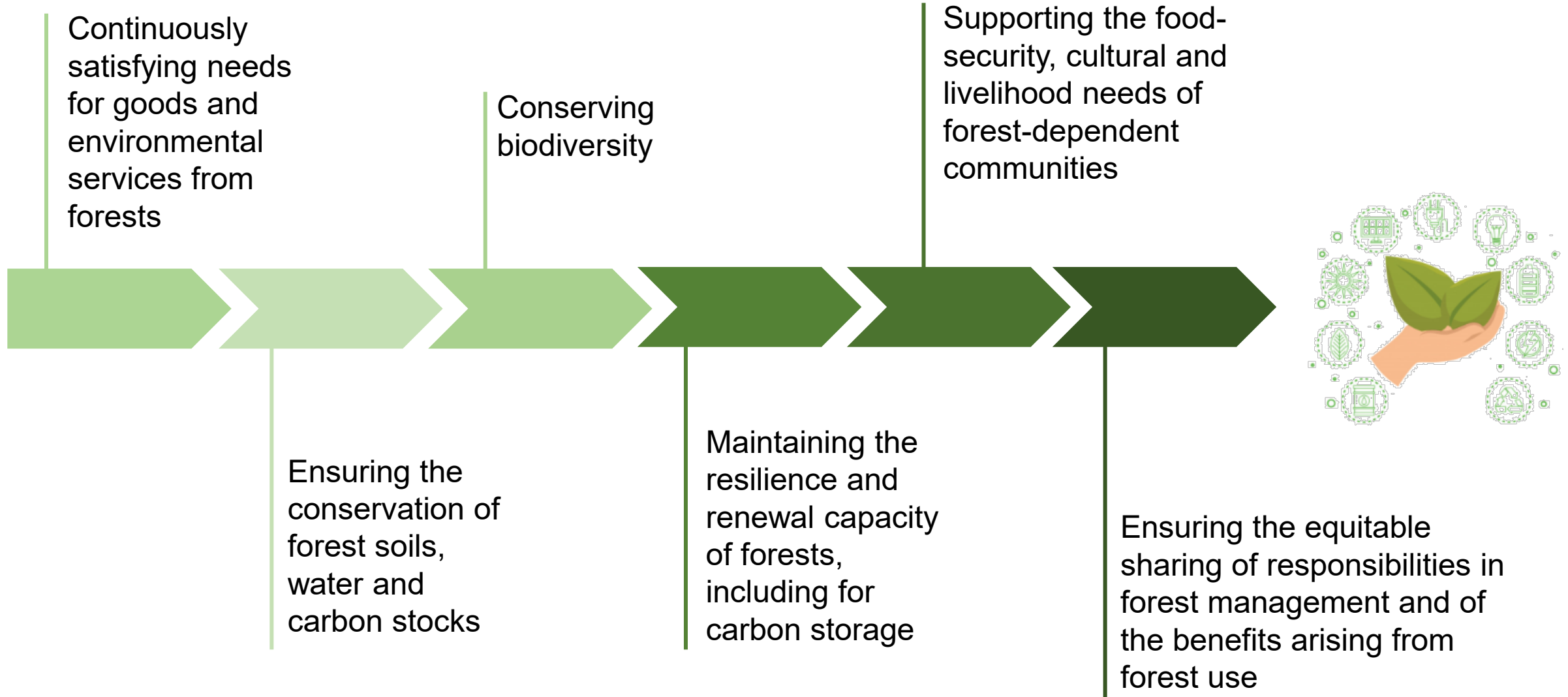


ITTO's twin objectives



- To promote the sustainable management and conservation of tropical forests.
- To promote the expansion and diversification of trade in tropical timber from sustainably managed and legally harvested forests.

Sustainable Forest Management (SFM) Objectives

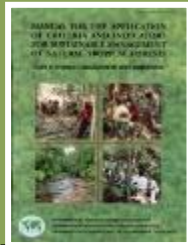


Scope of Work



ITTO Policy Guidelines on Tropical Forest Management

ITTO C&I
1992, 1998, 2005, 2016



Guidelines
SFM
1990, 2015

Guidelines for
sustainable
management of planted
tropical
forest (1993)



Guidelines for the management
of secondary tropical forests,
tropical forest restoration and
the rehabilitation of degraded
forest lands (2002)

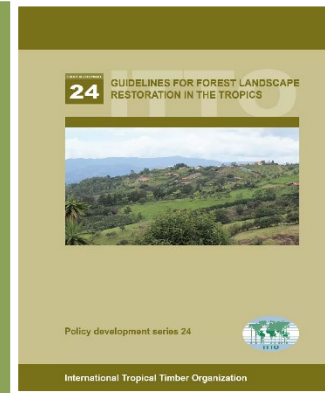


Guidelines for conserving
biodiversity in production
forests (1993, 2008)

Guidelines on
fire management (1998)



Guidelines for Forest
Landscape Restoration in
the Tropics (2020)



SOME STARK FACTS:



Tropical forests, both terrestrial and coastal, remain increasingly susceptible and vulnerable to land use change, deforestation and forest degradation, all of which are precipitated by global challenges affecting food, wood and energy security.

SOME STARK FACTs:



Global deforestation continues at an alarming rate: in 2015-2020, 10 million hectares of forest were converted to other land uses every year, an area roughly the size of Iceland.

Agriculture still responsible for 80% of forest loss (conversion)

More than 50% of 193 UN member states have less than 20% forest cover

Global population \geq 9 BLN 2050, = \uparrow food, wood products, woodfuel, income (at present \pm 1.6 billion people depend on forest, out of 8 billion population)



ITTO Projects: Making the difference on the ground!

The ITTO's work is governed by the ITTA 2006 under the auspices of the UNCTAD and ITTO supports its members to implement elements of global commitments to the GFGs, the SDGs, the UNSPF, the UN Decade on Ecosystem Restoration, the CBD, the UNFCCC, CITES, IUCN, etc.

Mangrove ecosystems and their valuable contributions to sustainable forest management in the tropics, climate change adaptation and mitigation, biodiversity conservation, and enhancement of livelihoods will be a very important area of work for ITTO in the coming years.

ITTO Projects:

Making the difference on the ground!



Latin America and the Caribbean Region

- Management and Conservation of Mangroves in the Gulf of Fonseca, **Honduras**
- Evaluation of Mangrove Forests in the North-East of the Orinoco Delta Region in **Venezuela**
- Sustainable Management and Rehabilitation of Mangrove Forests by Local Communities on the Caribbean Coast of **Colombia**
- Management, Conservation, and Development of Mangrove Forests in **Panama**
- Criteria for the Management of Mangrove and Flood Forests in the Central Coastal Plains of Veracruz, **Mexico**
- Environmental Assessment and Economic Valuation of Ecosystem Services Provided by Coastal Forests in the Central Coastal Plains of Veracruz, **Mexico**
- Strengthening Mangrove Ecosystem Conservation in the Biosphere Reserve of Northwestern, **Peru**
- Strengthening of Governance and Sustainable Management of Mangrove Ecosystem in **Guatemala** as a Climate Change Adaptation Measure

ITTO Projects:

Making the difference on the ground!



Africa Region

- Assessment and Management of Mangrove Forests in **Egypt** for Sustainable Utilisation and Development
- Study for the Conservation, Rehabilitation and Sustainable Management of Mangroves in **Togo**
- Sustainable Community Management, Utilisation and Conservation of Mangrove Ecosystems in **Ghana**
- Regeneration and Management of Mangrove Forests Surrounding the Douala/Edea Reserve, **Cameroon**

ITTO Projects:

Making the difference on the ground!



Asia Pacific Region

- Establishment of an International Network for the Conservation and Sustainable Utilization of Mangrove Forest Genetic Resources, **India**
- Community Based Restoration and Sustainable Management of Vulnerable Forests of the Rewa Delta, Viti Levu, **Fiji**
- Achieving Sustainable Management of Mangrove Forests in **China** through Local Capacity Building and Community Development
- Demonstration of Integrated Models for Sustainable Management of Mangrove in **China**
- Assessment of Mangrove Forest Affected by Cyclone Nargis to Facilitate the Development of an Integrated Mangrove Ecosystem Management in Ayeyarwady Delta, **Myanmar**
- Model of Rehabilitation and Sustainable Utilization of Mangrove Forest at Langkat, North Sumatra, **Indonesia**
- Promoting Local Community Initiative on the Rehabilitation of Mangrove Ecosystem in Bintan Island, **Indonesia**

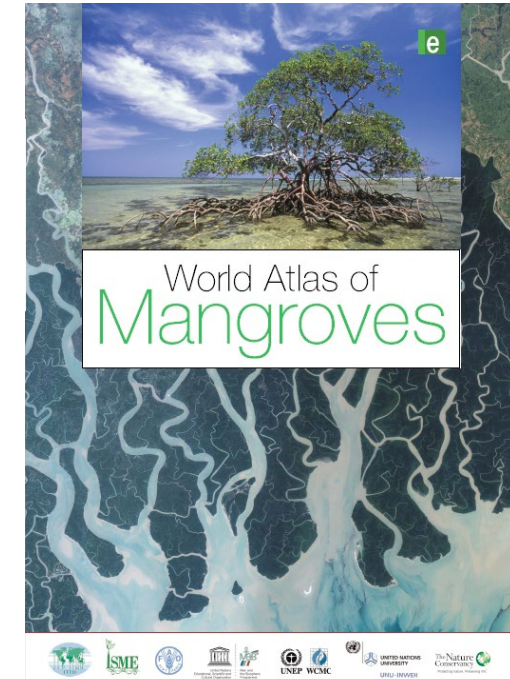
ITTO Projects:

Making the difference on the ground!



Global

- Manual and World Natural Mangrove Atlas for Mangrove Ecosystem Restoration
- Development and Dissemination of Re-forestation Techniques of Mangrove Forests
- Global Mangrove Database and Information System (GLOMIS)
- The Economic and Environmental Value of Mangrove Forests and Present State of Conservation
- Revised World Atlas of Mangrove for Conservation and Restoration of Mangrove Ecosystems
- Production of an Educational Book Series on Mangroves for Sustainable Management and Utilization of Mangrove Ecosystems
- Action Plan on Sustainable Mangrove Management
- Guidelines for the Restoration of Mangroves and other Coastal Forests Damaged by Tsunamis and other Natural Hazards in the Asia-Pacific Region



This Atlas provides the first truly global assessment of the state of the world's mangroves

Strengthening International Collaboration



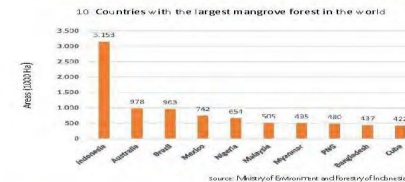
International Conference on Sustainable Mangrove Ecosystems: Managing a Vital Resource for Achieving the Sustainable Development Goals and the Paris Agreement

18-21 April 2017, Bali, Indonesia

(Collaboration ITTO with Indonesian Ministry of Environment and Forestry and ISME)

Key Messages

1. **Prioritizing the conservation and sustainable management and use of mangrove ecosystems** in national policies, laws and regulations at all levels of government, and strengthening law enforcement to reduce the continuing loss and degradation of mangrove ecosystems.
2. **Promoting sound land-use planning, clarifying land tenure and user rights for communities** with consideration for cultural sensitivity, and ensuring the effective involvement and empowerment of local communities, especially women.
3. **Promoting effective mangrove restoration** through the improved assessment of degraded and deforested mangrove ecosystems, science-based decision-making to identify the best restoration strategies and practices, and long-term monitoring and management to determine and improve the overall success of restoration programmes and increase productivity.
4. **Facilitating access to international financing mechanisms as well as national public and private-sector sources** to scale up mangrove-based climate-change mitigation and adaptation and enhance the resilience of coastal regions and communities.
5. **Generating and disseminating knowledge** on the causes, patterns and consequences of change in mangrove ecosystems at the local to globe scales, reporting on the status of mangrove management worldwide, and raising awareness of the vital importance of mangrove ecosystems to planetary well-being.

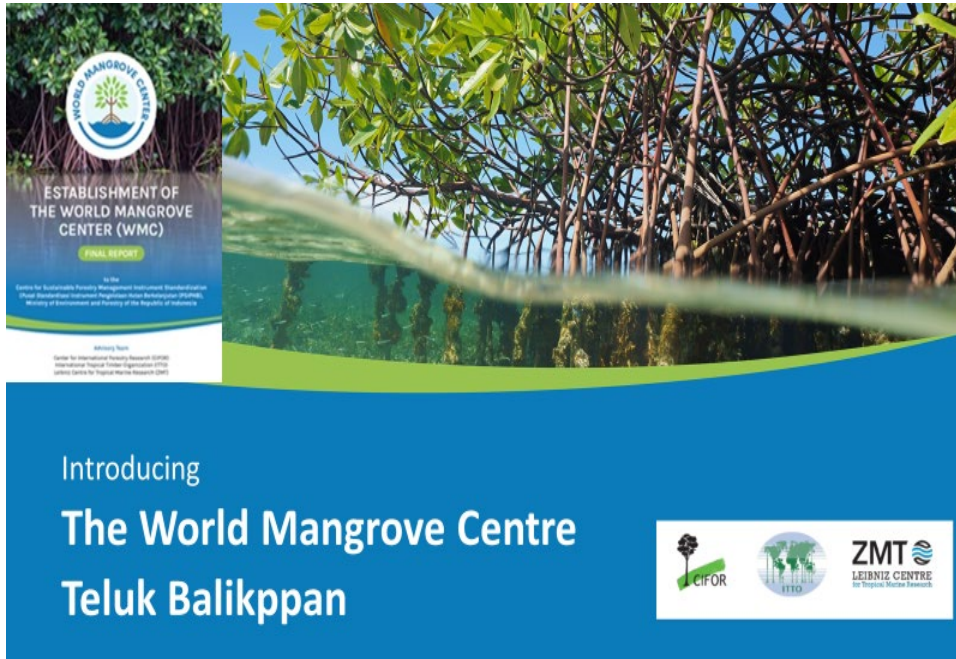


This document is not a negotiated document but rather a compilation of views and ideas put forward during the conference and does not necessarily reflect the views and/or agreement of the governments or entities that provided funding for this conference.

We thank the government and people of Indonesia and the Province of Bali for their kind hospitality in hosting the conference which was organized jointly by ITTO, MoEF of Indonesia and ISME with the support of many partners including CIFOR, FAO, USFS and AFoCo as well as proactive mangrove related civil society groups and the private sector in Indonesia. We also thank the governments of Japan and the USA for their generous contributions to ITTO that allowed the conference to take place.



Strengthening International Collaboration



Advisory Team: CIFOR, ITTO, and ZMT
Executing Agency: MOEF, Indonesia

Being home to the largest area of mangroves worldwide, Indonesia is well suited to having a prominent research, learning, training and communication centre, from which new knowledge may be generated. The centre will, in turn, share knowledge and experiences with other like-minded countries for the betterment of unique mangrove ecosystems currently facing tremendous pressures.

The need to create such a strategic international entity to promote the sustainable management of mangroves was realized by the Governments of Indonesia and Germany, who came together and agreed to establish the World Mangrove Center (WMC) in Indonesia.

[Launched by the President of Indonesia, 10 June 2022](#)

Options

Legal Entity options	Assessment	Conclusion
Intergovernmental Organization (IGO)	<ul style="list-style-type: none"> - International - Established by Government - Established under treaty, requires governments to commit to drafting a treaty. 	Possible option
International Organization	<ul style="list-style-type: none"> - International - Established by Government - Established under treaty, requires governments to commit to drafting a treaty. 	Good option
Non-Governmental Organization	<ul style="list-style-type: none"> - Can work internationally - Entity conflicts with establishment by government 	Not an option
Foundation (Yayasan)	<ul style="list-style-type: none"> - National in nature - Entity conflicts with establishment by government 	Not an option
Hybrid: International organization WITH members consisting of states and organizations	<ul style="list-style-type: none"> - International - Can be established by Government (see IUCN) 	Recommended



GOAL

- "To deliver transformative and action-oriented evidence and solutions to addressing the key drivers of mangrove deforestation and loss"

VISION

- "To become an international mangrove hub for knowledge and cooperation that promotes sustainable management and stops conversion of mangroves"

MISSION

- "To bring together international mangrove researchers and stakeholders to advance our understanding, develop solutions and share knowledge to bring it into application to support the healthy mangrove ecosystems and mangrove-dependent communities in light of the climate crisis"

Strategic priorities



Research for
Impact

STRATEGIC PRIORITY 1

- Basic and applied research
- Conservation and rehabilitation
- Sustainable management

Capacity
Development

STRATEGIC PRIORITY 2

- Professional development
- Needs-based trainings for practitioners, CSOs, and community

Knowledge
Management
and Outreach

STRATEGIC PRIORITY 3

- Partnership/collaboration for knowledge sharing
- Multi-stakeholder engagement

Securing resources for operational and financial sustainability

Funding Partners

Federal Ministry for Economic Cooperation and Development

Federal Ministry for the Environment, Nature Conservation, Building and Nuclear Safety

KfW

IKI INTERNATIONAL CLIMATE INITIATIVE

AFD AGENCE FRANÇAISE DE DÉVELOPPEMENT

defra Department for Environment Food and Rural Affairs

TEMASEK FOUNDATION

USAID FROM THE AMERICAN PEOPLE

BLUE ACTION FUND

THE David & Lucile Packard Foundation

JICA

Australian Government Australian Centre for International Agricultural Research

European Commission

THE WORLD BANK

GREEN CLIMATE FUND



Endorsement

Political Partners

KEMENTERIAN LINGKUNGAN HIDUP DAN KEHUTANAN REPUBLIK INDONESIA

KEMENTERIAN KOORDINATOR BIDANG KEMARITIMAN

Kementerian PPN/ Bappenas

KEMENTERIAN KELAUTAN DAN PERIKANAN

Implementing Partners

CIFOR

ITCO

ZMT LEIBNIZ CENTRE for Tropical Marine Research

UNIVERSITAS SEMARANG

UNIVERSITAS DIPONEGORO

UNIVERSITAS PETYANEGARA

UNIVERSITAS SEBELAS MARET

UNIVERSITAS SRIWIJAYA

UNIVERSITAS PADJADJARAN

kemitraan partnership

BLUE FORESTS Yayasan Hutan Biru

ORO VERDE Eric Teegenwaldbildung

WORLD RESOURCES INSTITUTE

KEHATI Biodiversity Conservation Trust Fund

CONSERVATION INTERNATIONAL

Yayasan Konservasi Alam Nusantara

The Nature Conservancy Indonesia

Wetlands INTERNATIONAL

the BLUE CARBON initiative

INTERNATIONAL PARTNERSHIP FOR BLUE CARBON

Global Landscapes Future

GLOBAL MANGROVE ALLIANCE

WORLD MANGROVE CENTER TELUK BALIKPAPAN

Operational Costs	Research for Impact
Structure	STRATEGIC PRIORITY 1
Capacity Development	Knowledge Management and Outreach
STRATEGIC PRIORITY 2	STRATEGIC PRIORITY 3



Thank you for your attention!



<http://www.youtube.com/user/it>



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International Tropical Timber Org

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