

International Perspectives

Session chair: Jonny Hughes

UNEP-WCMC

15:20 – 16:30



Peatland Programme

Gordon's Mere, Woodwalton Fen © Guy Pilkington

Update on Peatland Action in Southeast Asia

Faizal Parish and Siew Yan (Serena) Lew
Global Environment Centre

IUCN UK Peatland Programme Conference
3 October 2023



MAHFSA Programme

Intact Peatlands are key for water storage, supply and prevention of floods and saline intrusion



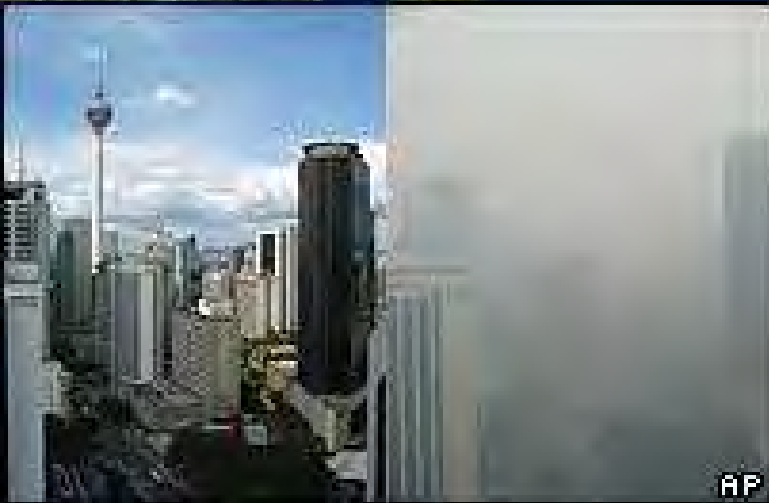
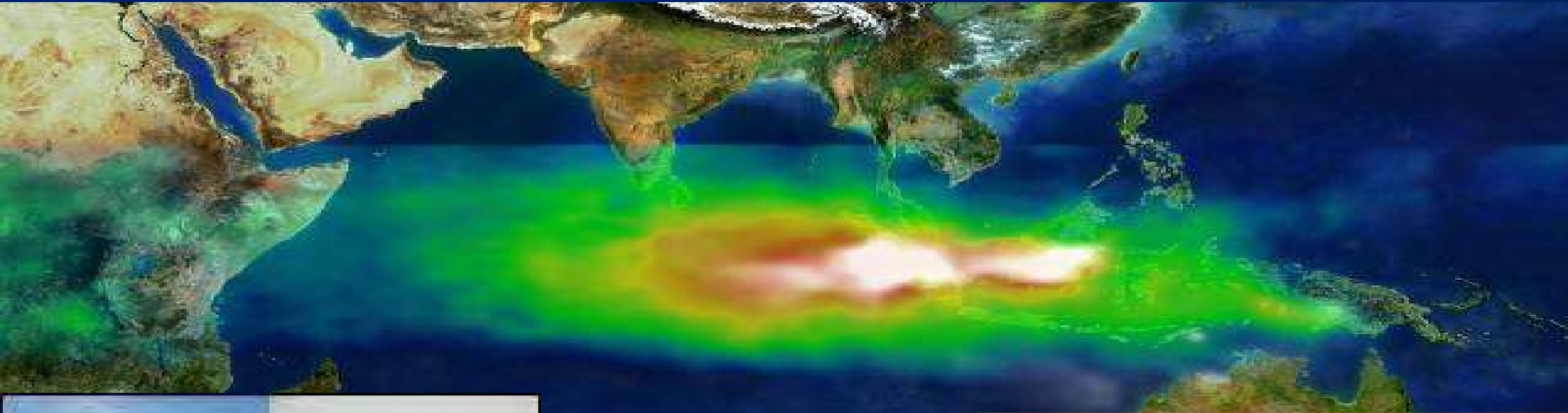
Peatlands maintain many endemic and rare species that can support ecotourism and sustainable management



Degradation of peatlands has a major impact on local communities



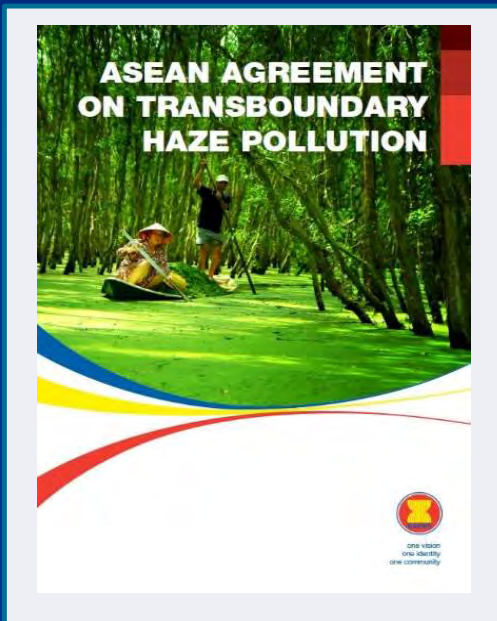
Peatland degradation causes massive economic, social and environmental costs



Smoke from peatland fires has affected 50 million people in ASEAN and led to losses of > \$100-300 billion



ASEAN Policy Framework to address peatland issues



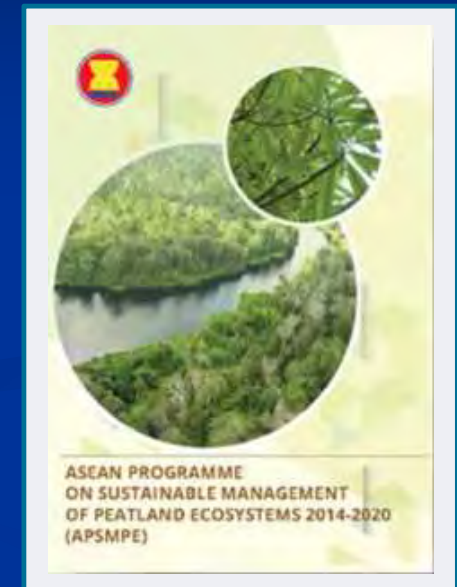
ASEAN Agreement on
Transboundary Haze Pollution
(AATHP) 2002



ASEAN Peatland
Management Initiative
(APMI) 2003



ASEAN Peatland
Management Strategy
2006-2020 (APMS)



ASEAN Programme on
Sustainable Management
of Peatland Ecosystems
2014-2020 (APSMPE)

ASEAN Peatland Management Strategy 2023-2030

No.	Focal Area	Goal
1	Inventory, Mapping and Assessment	All peatlands are mapped according to their characteristics and hydrological regimen.
2	Restoration and Rehabilitation	30% of degraded peatlands in ASEAN have been or are under rehabilitation by 2030.
3	Community Livelihoods	Sustainable management of peatlands has significantly progressed across sectors, improving livelihoods for and empowerment of local communities.
4	Peatland Biodiversity and Ecosystem Conservation	30% of peatlands in ASEAN included in protected areas and OECMs by 2030
5	Fire Prevention, Control and Monitoring	Transboundary Haze from peatland fires is eliminated.
6	Peatland and Climate Change	Peatlands protected and rehabilitated to enhance resilience to climate change and reduce emissions towards a target of net-zero emissions by 2050

ASEAN Peatland Management Strategy 2023-2030

No	Focal Area	Goal
7	Integrated Peatland Management	Peatlands are managed at a PHU level with the involvement of private sector, agriculture, plantation, forestry and environment sectors.
8	National Policies and Legislation	AMS have adequate regulations, policies and plans to ensure peatlands are managed sustainably at the national level.
9	Research	Research in ASEAN is enhanced to support peatland biodiversity conservation, rehabilitation, and sustainable management.
10	Information Sharing, Awareness & Capacity building	Awareness/Capacity on par with management needs and requirements
11	Regional Cooperation	AMS working together to share best practices and collaborate to enhance sustainable peatland management throughout ASEAN.
12	Sustainable Financing	Sustainable financing of peatland protection and management is ensured.

Governments in SE Asia have stopped further drainage and conversion of peatlands and supported large-scale restoration



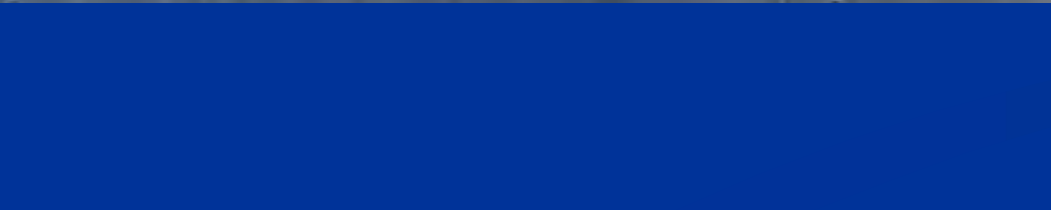
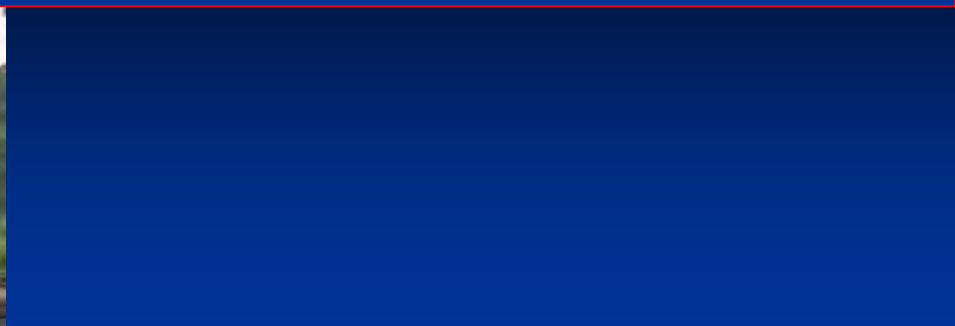
Construction of clay dyke



water gauge



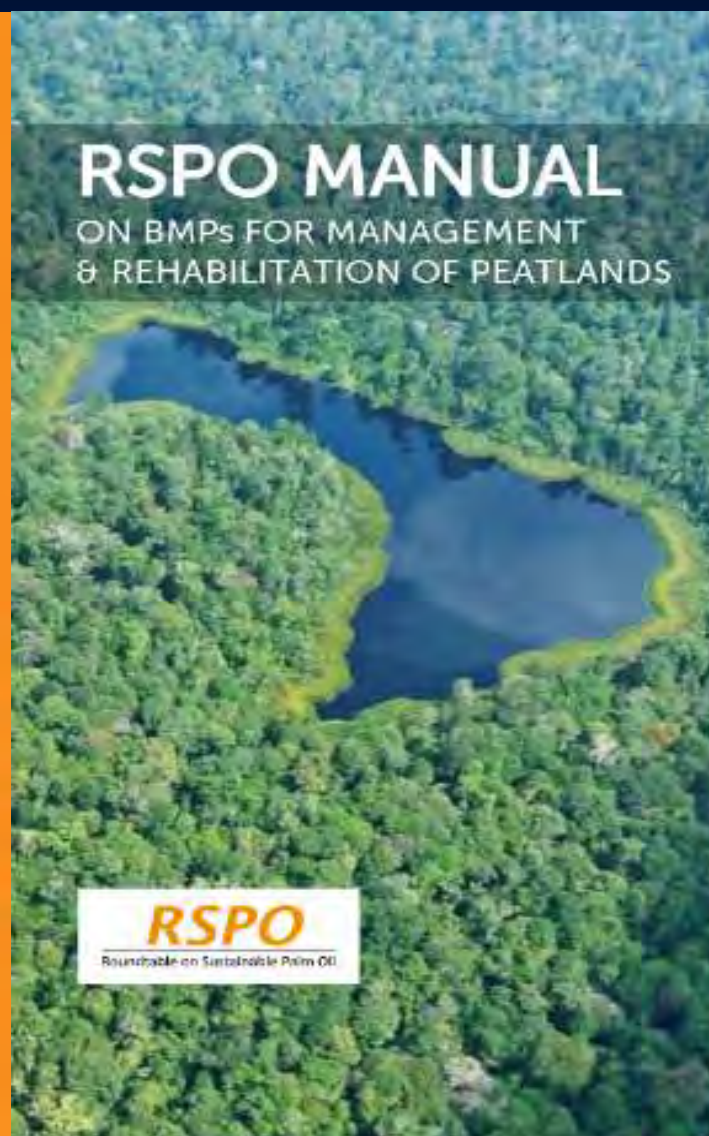
Rewetting and restoring peatlands leads to multiple benefits for climate change, health and welfare, biodiversity and water resources



Drained peatland agriculture needs short-term enhancements and medium-term phase out



VOLUME 1



VOLUME 2

Available from
www.rspo.org

Economically-viable Paludiculture options needs to be phased in



Sago



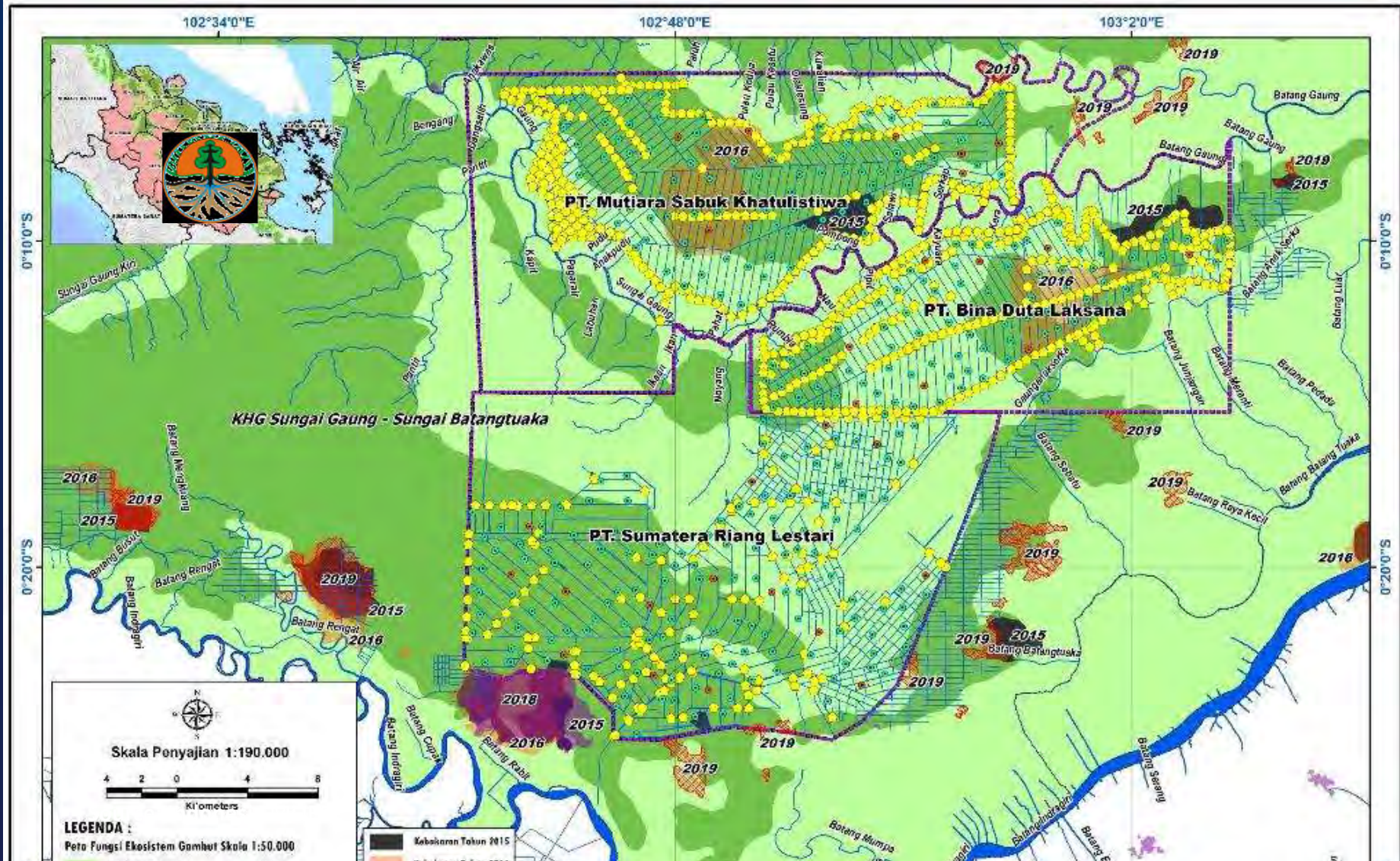
Melaleuca



Jelutong



Illipe



Water levels have been raised in 4 million ha of peatlands in Indonesia and fires and degradation has been significantly reduced

ASEAN INVESTMENT FRAMEWORK ON HAZE-FREE SUSTAINABLE LAND MANAGEMENT - *ENDORSED AUG 2023*

- 01** A platform to **build partnerships and help generate resources** for peatland, forest, land and haze management supporting implementation of ASEAN Haze-free Roadmap, ASEAN Peatland Management Strategy (APMS) and other plans related to climate change, biodiversity, sustainable investment
- 02** Involve **multiple stakeholders** in ASEAN including government agencies, development agencies, educational/research institutions, non-governmental organisations (NGOs), Civil Society Organisations (CSOs), commodity sector, finance and insurance sectors
- 03** **Initial target of US\$1.5 billion** to be leveraged to support the ASEAAPMS and Roadmap till 2030
- 04** May be scaled-up in step-wise manner through single or multiple mechanisms

ASEAN Investment Framework 2023-2030



Objectives	Indicative finance needs
1) To improve adoption of sustainable and haze-free practices in the agriculture and commodity sectors in ASEAN to prevent transboundary haze	850 Million
2) To empower and support indigenous peoples and local communities (IPLCs) to transition to haze-free land management	300 million
3) To enhance sustainable forest and peatland management to prevent haze	850 million
4) To integrate fire and haze prevention into sustainable finance frameworks	70 Million
5) To enhance policy and governance and strengthen institutional capacity for HFSLM in ASEAN	130 Million
TOTAL	2,200 Million

INVESTMENT IN HAZE-FREE ASEAN DELIVERS ON UNSDGs

1. Transforming agriculture waste to green products

Stop fires and haze through the circular economy by using agricultural residues (e.g. rice, maize) to produce new bio-materials for packaging or renewable energy and generate alternative income sources for farmers and communities.

2. Conserving and Restoring forests and peatlands via innovative financing

Scale-up biodiversity and carbon financing to incentivise ecosystem protection and conservation, while creating new options to finance forest and peatland restoration programmes.

3. Integrate Zero Burning and Haze-Free approaches into commodity supply chains

Use the power of markets and supply chains to institutionalise sustainable production of goods and services through bottom-up, sector-wide recognition and compliance of haze-free product labelling to meet emerging green purchase requirements

4. Enhancing capacity to better predict, prevent monitor and control fires

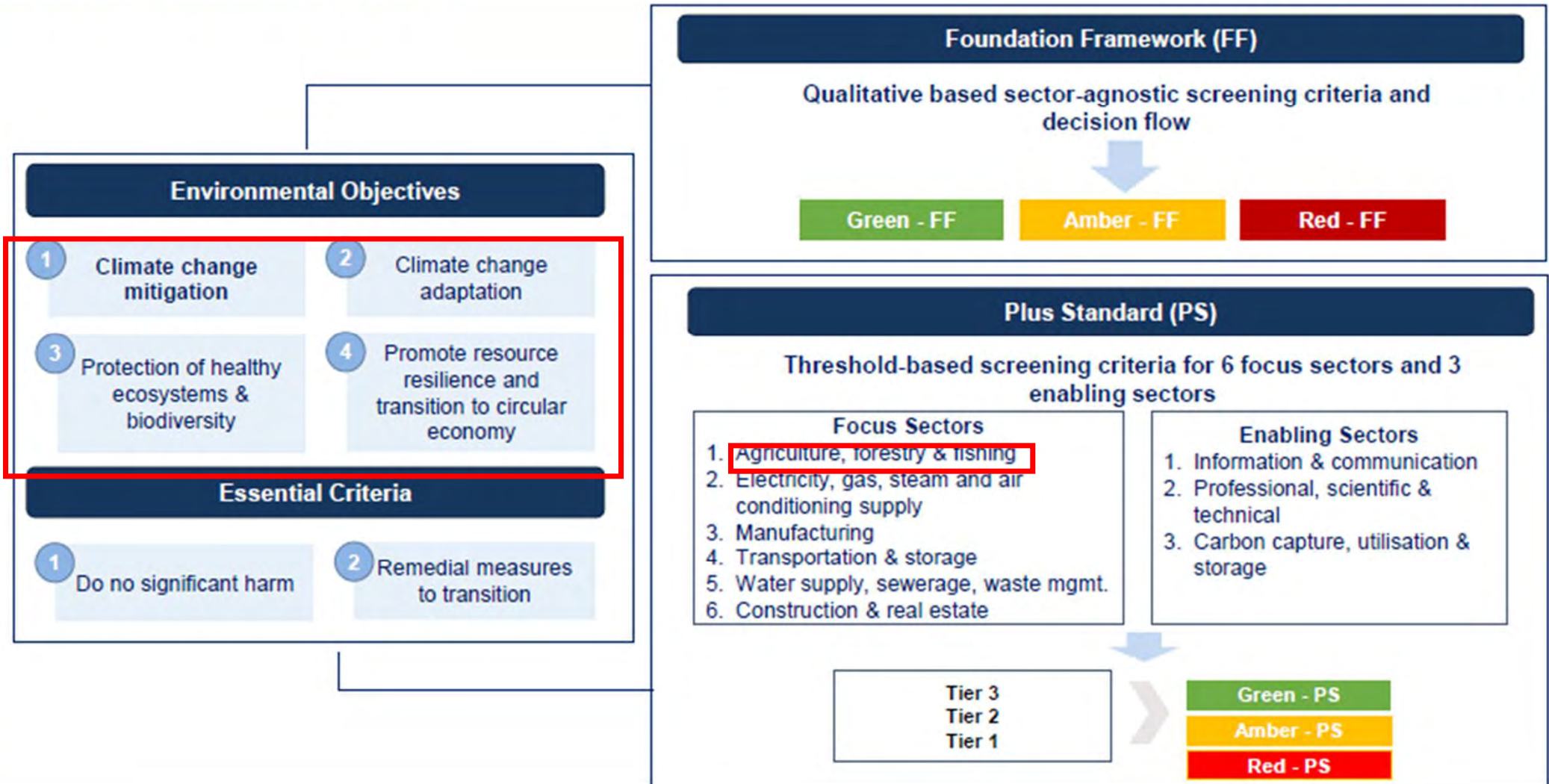
Build national and local capacity to prevent fires and harness satellite technology and AI analytics to enhance and track action to minimise transboundary haze pollution.

5. Developing multi-stakeholder dialogue and financing platform

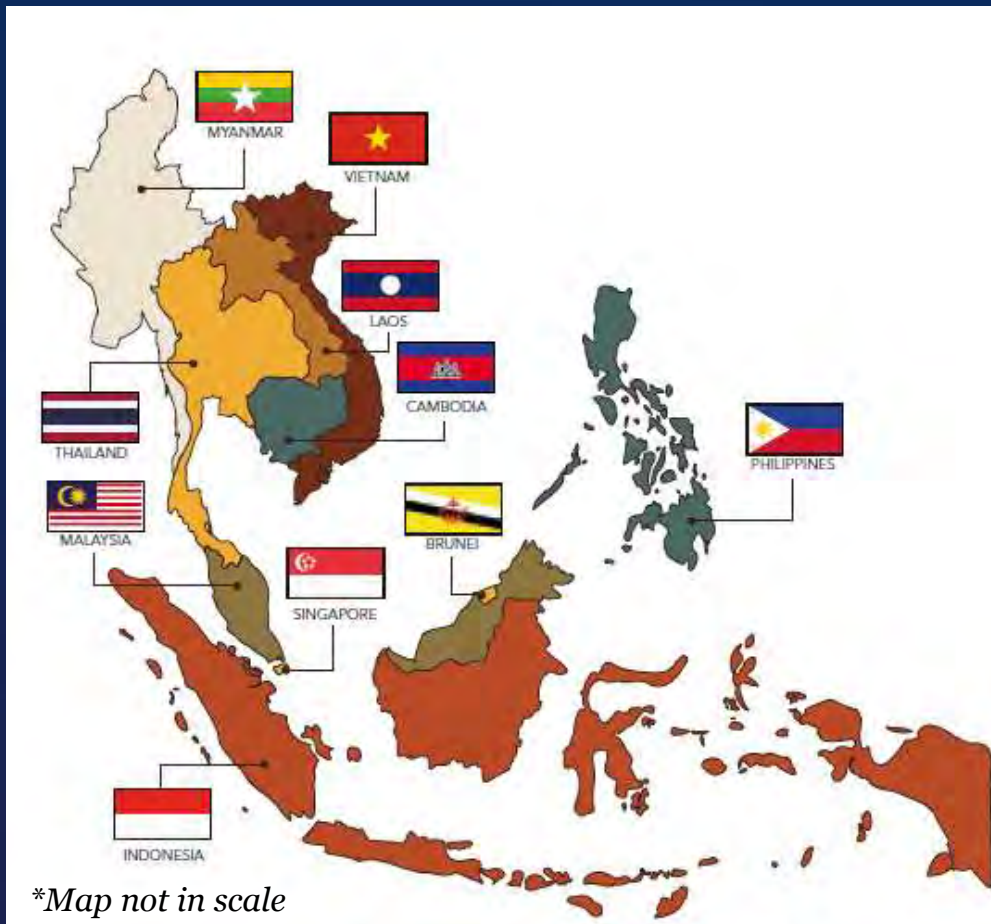
Consolidate and scale projects across the ASEAN region, while facilitating business engagement and global investment appeal.













New ASEAN Taxonomy on Sustainable Finance (2023) is driving finance and investment to support only sustainable activities



ALIGNED WITH NATIONAL EMISSION REDUCTION TARGETS BY ASEAN MEMBER STATES



- 
↓20% GHG emissions relative to BAU by 2030
 BRUNEI DARUSSALAM
 - 
↓41.7% GHG emissions (of which 59.1% is from Forest and Land Use) by 2030
 CAMBODIA
 - 
↓31.89% GHG emissions by 2030 and to achieve net-zero emission by 2060 or sooner
 INDONESIA
 - 
↓60% GHG emissions compared to baseline scenario or around 62 MtCO₂e in absolute terms by 2030
 LAO PDR
 - 
↓45% economy-wide carbon intensity by 2030 compared to 2005 level
 MALAYSIA
 - 
↓50% GHG emissions relative to BAU by 2030 and adopt climate-smart agriculture
 MYANMAR
 - 
↓75% GHG emissions relative to BAU from 2020-2030 for the sectors of agriculture, wastes, industry, transport and energy
 PHILIPPINES
 - 
↓36% emissions intensity from 2005 levels by 2030, achieve peak emissions at 65 MtCO₂ around 2030
 SINGAPORE
 - 
↓20% GHG emissions relative to BAU by 2030
 THAILAND
 - 
↓9% GHG emissions relative to BAU scenario by 2030; can be increased up to 27% with international support
 VIETNAM
- Source: NDC Registry, UNFCCC

** October 2022 version*



THANK YOU

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International policy developments and an overview of international partnerships

Dianna Kopansky – Global Peatlands Coordinator
IUCN UK Peatland Programme Conference 2023
3 October 2023



WORLD RESOURCES INSTITUTE



Food and Agriculture Organization of the United Nations



THE UNIVERSITY OF SYDNEY



Global Peatlands Initiative



Global Environment Centre

Terra Motion



UNIVERSITY OF PLYMOUTH



Badan Restorasi Gambut



UNIVERSITY OF LEEDS





Brazzaville Declaration – Congo Peatlands



International Tropical Peatlands Center



UNEA-4 Resolution



UN-wide SSC Best Practice for SDG-15



International policy developments

International commitments to peatland protection and restoration

- Ramsar Convention on Wetlands - Res. VIII.17 (2002), XIII.12 (2015), XIII.13 (2018)
- IUCN Resolution 43 (2016): Securing a future for global peatlands
- Brazzaville Declaration – alongside the GPI 3rd Meeting of Partners (2018) & ITPC
- Resolution on the conservation and sustainable management of peatlands, adopted at the fourth United Nations Environment Assembly (UNEA-4) (2019)



Brazzaville Declaration & GPI 3rd Meeting of the Partners



SSC & Launch of the ITPC



Making Progress and Looking Forward...



**United Nations
Environment Assembly of the
United Nations Environment
Programme**

United Nations Environment Assembly of the
United Nations Environment Programme
Fourth session
Nairobi, 11–15 March 2019

Conservation and sustainable management of peatlands*

Distr.: Limited
9 March 2019
Original: English



The Venice Agreement: Protecting Global Peatlands Locally

Global
Peatlands
Initiative



UN
environment
programme

50
1972-2022



TURBA TOL LA BIENALE DI VENEZIA
TURBA TOL (59° INTERNATIONAL
TURBA TOL ART EXHIBITION)
TURBA TOL

TURBA TOL

PAVILLION
OF CHILE



International policy developments

National commitments: Peatlands in NDCs



Ministerio del Ambiente - Perú

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La Comisión de Alto Nivel de Cambio Climático sesionó hoy con la presidenta Dina Boluarte, el premier Otárola, la ministra Ruiz, los 17 ministros e integrantes de la comisión. Boluarte hizo un llamado a la acción por la crisis climática para estar prevenidos ante los desastres.

El premier encabezó la comisión donde se aprobó el Plan de Trabajo que incluye: la medición de la [#HuellaDeCarbono](#) de los ministerios, CEPLAN y representantes de los Gobiernos regionales y locales y nuevas medidas de adaptación y mitigación para el cierre de brechas.

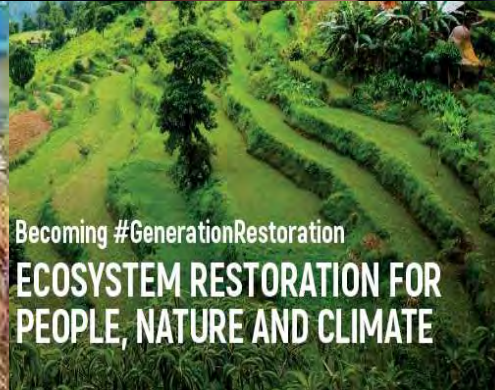
International partnerships



**G20 GLOBAL
LAND INITIATIVE**



GENERATION RESTORATION



Becoming #GenerationRestoration
ECOSYSTEM RESTORATION FOR
PEOPLE, NATURE AND CLIMATE



UNITED NATIONS DECADE ON
ECOSYSTEM
RESTORATION
2021-2030



We need to fill the
USD 4.1 trillion gap
to halt the climate, biodiversity and land degradation crisis by 2050

The State of Finance for Nature in the G20

Leading by example to close
the investment gap



Investment needs



x3

investment
needed by 2030.

x4

investment
needed by 2050

For each 1 USD invested, restoration can generate up to 30 USD in economic benefits over time

In the US alone, restoration employs 220,000 people in a 25 billion dollar industry

Global Peatlands Assessment



Global Peatlands Assessment: The State of the World's Peatlands

EVIDENCE FOR ACTION TOWARD THE CONSERVATION, RESTORATION, AND SUSTAINABLE MANAGEMENT OF PEATLANDS

MAIN REPORT



Global Peatlands Assessment: The State of the World's Peatlands

EVIDENCE FOR ACTION TOWARD THE CONSERVATION, RESTORATION, AND SUSTAINABLE MANAGEMENT OF PEATLANDS

SUMMARY FOR POLICY MAKERS

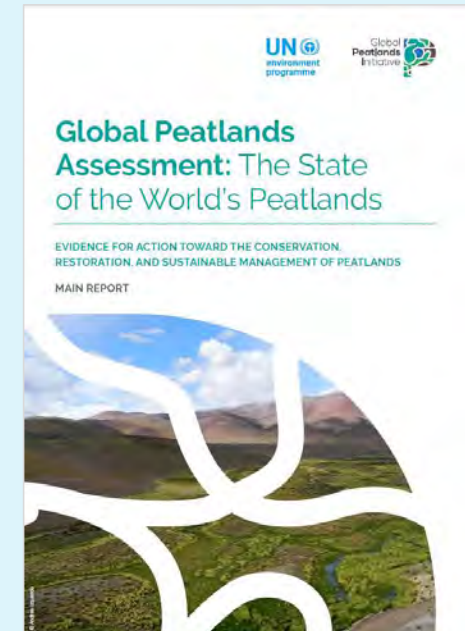


Worldwide Peatland Mire Geodata, 2013. The boundaries and names shown, and the designations used on this map do not imply endorsement or acceptance by the United Nations.



GPA policy recommendations

- ✓ **Expand protected area systems to include peatlands**
- ✓ **Phase out harmful operations on peatlands and rewet them**
- ✓ **Develop and maintain data systems on peatland extent and uses**
- ✓ **Form fair and transparent governance systems that cross sectors and empower stewardship by Indigenous Peoples and Local Communities**
- ✓ **Support collaboration and engage in international networks and initiatives**
- ✓ **Blend public and private funding through financial and market instruments for peatlands**



Global Peatlands Initiative



BE PART OF THE SOLUTION!

Because #PeatlandsMatter

To learn more about this Initiative please contact:

Dianna Kopansky, UN Environment Programme dianna.kopansky@un.org

And have a look at our website: <http://www.globalpeatlands.org/>

In partnership with:



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