



SIDE EVENT

Financing and Investment for Haze-Free Sustainable Land Management

8 NOVEMBER 2022 (TUESDAY)
2:30-4:00 PM (GMT+2)
MALAYSIAN PAVILION
COP27, EGYPT 2022





COP27
SHARM EL-SHEIKH
EGYPT 2022



SIDE EVENT



Register here
bit.ly/3sNuh8Z

Financing and Investment for Haze-Free Sustainable Land Management in ASEAN

8 November 2022 (Tuesday)
2:30-4:00pm (GMT+2) @ Malaysian Pavilion

Opening Address:

Dr. Vong Sok

Head of Environment, ASEAN Secretariat

Presentation 1:

ASEAN Investment Framework for Haze-Free Sustainable Land Management

*Mr. Faizal Parish, Director, Global Environment
Centre/MAHFSA Programme*

Presentation 2:

Achievements and Opportunities for Financing Haze-Free Sustainable Land Management in ASEAN

*Mr. Pierre Yves Guedez, Senior Climate Finance Specialist,
International Fund for Agricultural Development*

Presentation 3:

Role of Forest Plantation sector in Haze-Free Land Management in Indonesia

Ms. Elim Sritaba, Chief Sustainability Officer, Asia Pulp & Paper

Presentation 4:

Options for Finance of Sustainable Land Management in ASEAN through Global Financing Mechanisms

Mr. David McCauley, Advisory Team, ASEAN Investment Framework

Presentation 5:

Sustainable Finance Strategies in Relation to Haze-free Sustainable Land Management

Ms. Luanne Sieh, Head of Group Sustainability, CIMB Group



Welcome & Introduction

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Programme



TIME	AGENDA
2.30pm	Introduction of Programme & Speakers Moderator: Ms. Adelaine Tan, Global Environment Centre
2:40 pm	Opening Address Mr. Vong Sok (PhD), Head of Environment Division, The ASEAN Secretariat
2.50pm <i>Presentation by Speakers</i>	ASEAN Investment Framework for Haze-Free Sustainable Land Management Mr. Faizal Parish, Director, Global Environment Centre/MAHFSA Programme
	Achievement and Opportunities for Financing Haze-Free Sustainable Land Management in ASEAN Mr. Pierre-Yves Guerdez, Senior Climate Finance Specialist, International Fund for Agricultural Development (IFAD)
	Role of Forest Plantation Sector in Haze-Free Land Management in Indonesia Ms. Eli Sritaba, Chief Sustainability Officer, Asia Pulp & Paper
	Options for Finance of Sustainable Land Management in ASEAN through Global Financing Mechanisms Mr. David McCauley (PhD), Advisory Team, ASEAN Investment Framework
	Sustainable Finance Strategies in Relation to Haze-Free Sustainable Land Management Ms. Luanne Seih, Head of Group Sustainability, CIMB Group
3.40pm	Question & Answer Session
3.55pm	Summary & Closing Remarks Mr. Faizal Parish, Global Environment Centre



Opening Address



Mr. Vong Sok (PhD)

*Head of Environment Division
The ASEAN Secretariat*

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Mr. Vong Sok (PhD)

*Head of Environment Division
The ASEAN Secretariat*



- Passionate and dedicated Environmental Professional
- Over 20 years of experience in global environmental compliance and governance, including in-depth knowledge of strategic environmental planning, environmental diplomacy, and operations control of environmental management systems.
- Works extensively on environmental management in Southeast Asia, in close collaboration with government agencies, international organisations, development partners, CSOs and communities.
- Active to coordinate strategic action and make significant impacts and contributions to this region.



SIDE EVENT

**Financing &
Investment for
Haze-Free
Sustainable Land
Management in
ASEAN**

8 NOVEMBER 2022
(TUESDAY)



ASEC-Vong Sok



Mr. Vong Sok (PhD)

*Head of Environment Division
The ASEAN Secretariat*



Thank You

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PRESENTATION TITLE:
**ASEAN Investment
Framework for
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Mr Faizal Parish

Director

Global Environment Centre

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Mr Faizal Parish

Director

Global Environment Centre



- A wetland ecologist with over 35 years of experience in assessment and management of peat swamp forests, mangroves and river systems.
- Addressing the issue of transboundary haze in the ASEAN region since 1995
- Worked with the ASEAN Secretariat since 2000 to establish the ASEAN Peatland Management Strategy 2006-2020 (APMS) and the ASEAN Programme on Sustainable Management of Peatland Ecosystems 2014-2020 (APSMPE) – all key ASEAN initiatives to address the root cause of transboundary haze.
- Develop and promote peatland fire prevention, prediction and warning systems and working with government, local communities and private sector to promote the prevention of peatland fires in ASEAN member states.
- Former Co-chair of the Peatland Working Group and Emission Reduction Working Group of the Roundtable on Sustainable Palm Oil.
- Actively participated in regional and international conferences to highlighted importance of sustainable peatland management

UNFCCC COP27 Side Event, Malaysia Pavilion

Financing and Investment for Haze-Free Sustainable Land Management in ASEAN

8 November 2022, 1430-1600 (GMT+2), Sharm El-Sheikh, Egypt

**ASEAN Investment Framework for Haze-Free
Sustainable Land Management**

By Faizal Parish

MAHFSA/Global Environment Centre



Outline

01

Why do we need an Investment Framework?

02

Aim of Investment Framework

03

Approaches to Investment Framework development

04

Progress and activities in Investment Framework development

05

Next steps

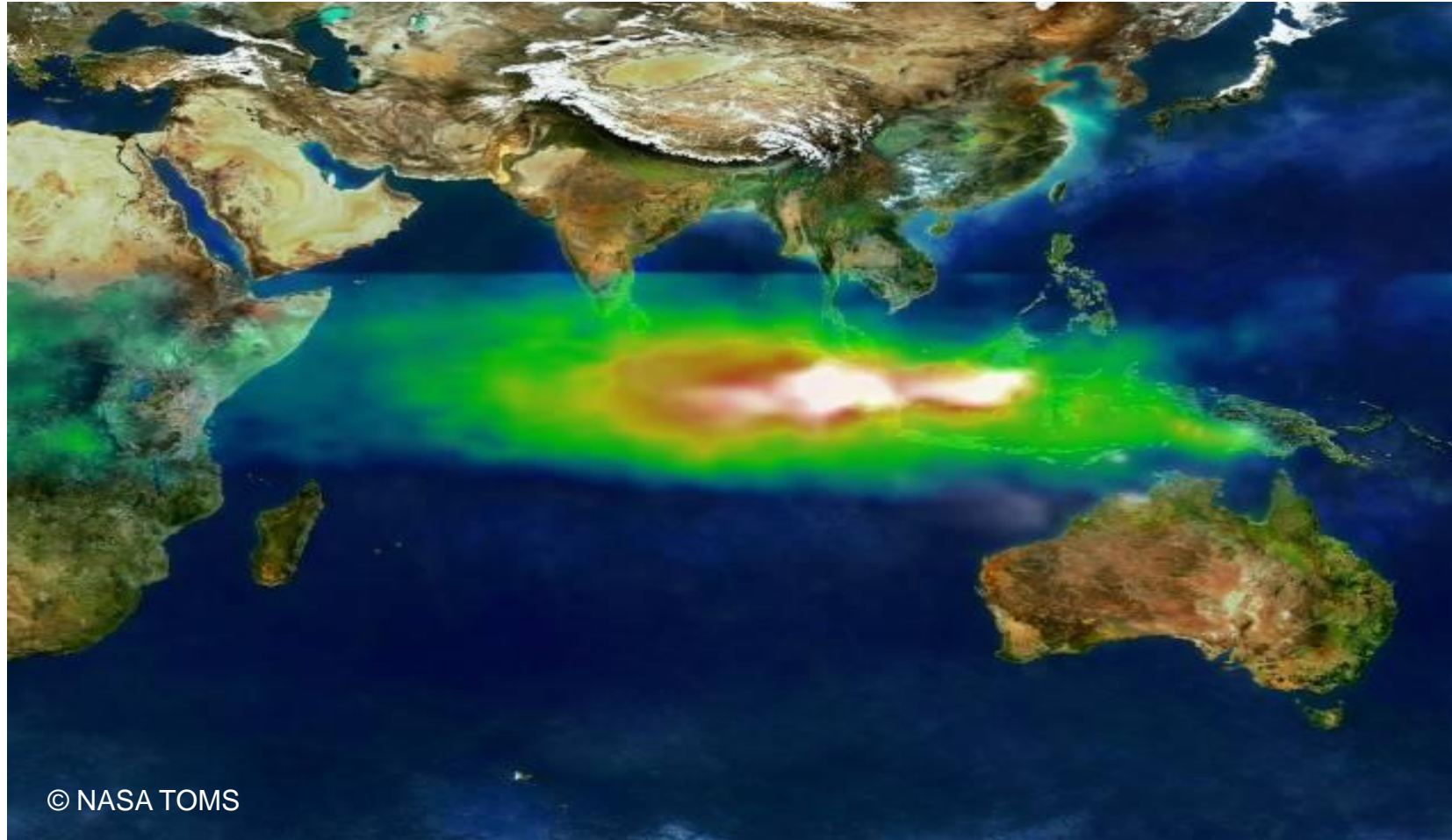


Land and forest fires are a major problem in ASEAN Region



Photo credit: GEC and partners collection, and/or internet

Transboundary Smoke Haze is the most serious regional environment problem



90% of transboundary smoke haze in southern ASEAN is from peatland fires

Occurred annually during February to March and July to October

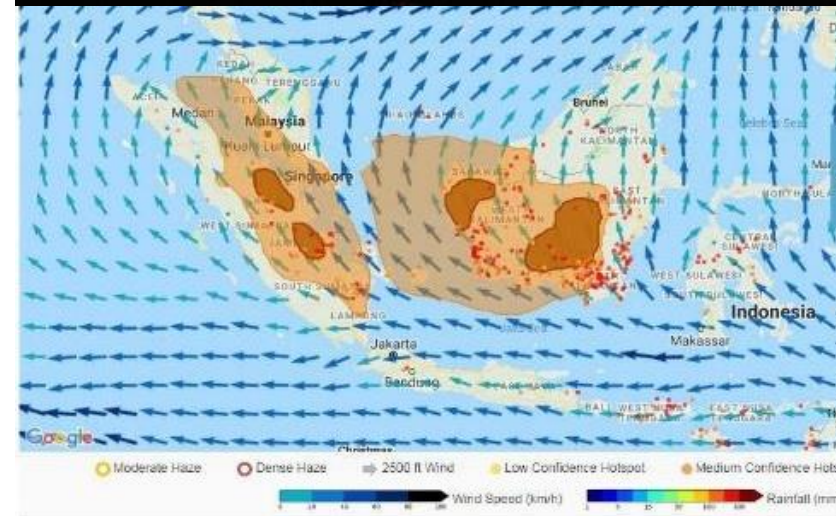
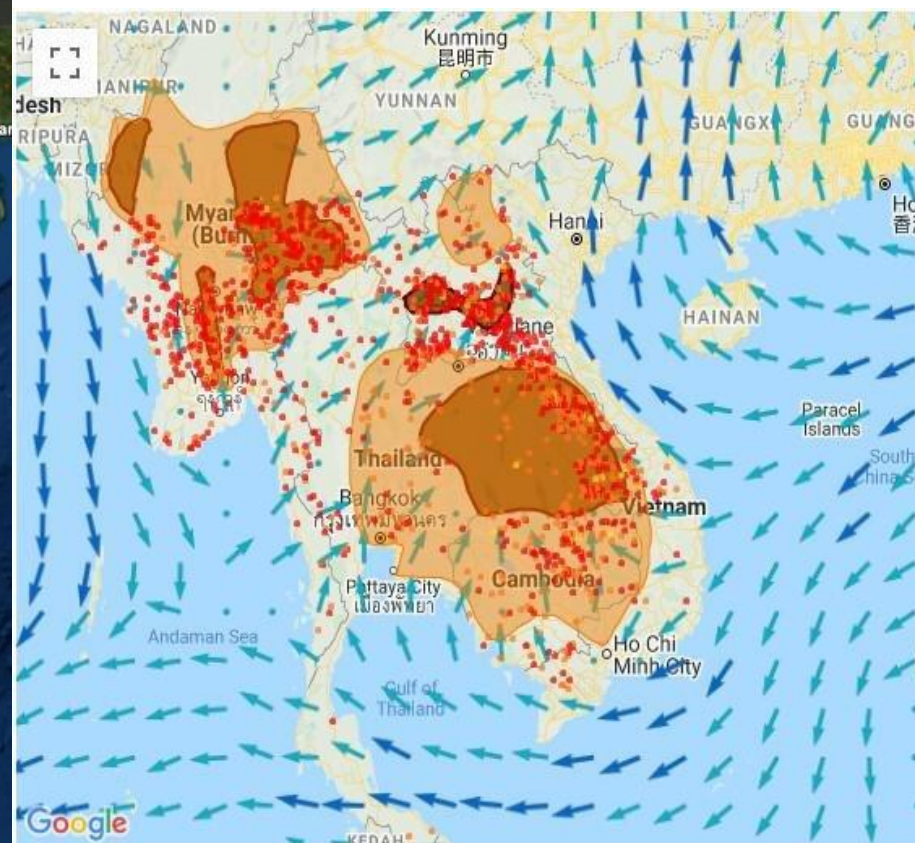


Photo credit: GEC and partners collection, and/or internet

Smoke Haze in Northern ASEAN is dominated by fires linked to slash-and-burn and contract farming for maize

Occurred annually during November to April



16 March 2021. Source from ASMC



Photo credit: GEC and partners collection, and/or internet

Impacts

50 million ha
land in ASEAN is prone
to fire

70 million
people impacted by
smoke

1-2 billion tonnes
CO2 equivalent
emitted/year

Up to 100,000
premature deaths in
2015

Up to \$35 billion
economic impact
(2015)

Decreased tourist
arrivals
Reduced agriculture
productivity



Importance of Investment Framework



No dedicated resource or investment plans associated with existing ASEAN plans to address transboundary haze



Growing international interest by private sector and international investors/funders for impact investment opportunities in sustainable land management, climate finance and community welfare



Current ASEAN peatland and haze plans developed primarily by governments with limited direct engagement of related stakeholders

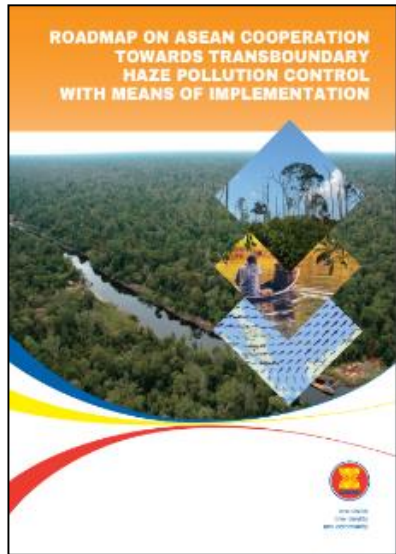


High levels of investment are needed to facilitate haze-free land management and transboundary haze pollution issues

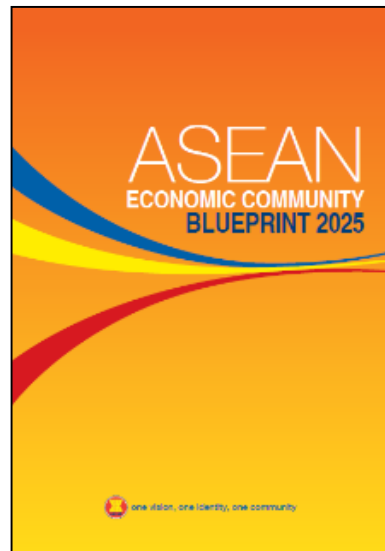


Guiding Documents for the Investment Framework

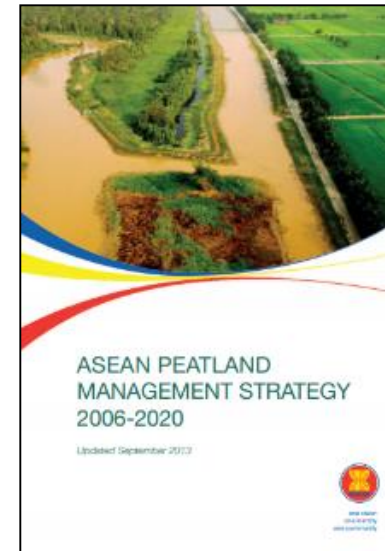
Will be built upon, integrated and referenced to a number of key existing ASEAN and national frameworks including:



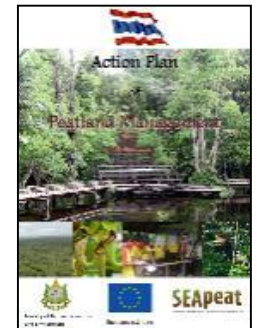
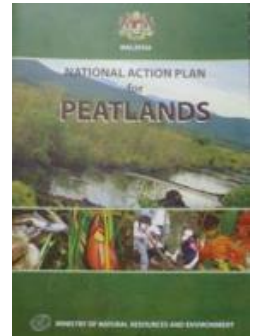
ASEAN Haze-Free Roadmap



ASEAN Blueprint 2025



ASEAN Peatland Management Strategy (APMS)



National Action Plans



Global Environment Centre



Investing in rural people



Aim of Investment Framework



01

The proposed investment framework will be a **platform to build partnerships and help generate resources for priority needs and opportunities for peatland, forest, land and haze management** as well as build an **investment portfolio for a haze-free ASEAN** up till 2030.

02

Will involve a **range of stakeholders** in ASEAN including government agencies, development assistance 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 ASEAN Peatland Management Strategy (APMS) and Roadmap till 2030

04

May be scaled-up in step-wise manner through single or multiple mechanisms



Potential areas requiring funding for Haze-Free ASEAN

Sustainable agriculture – “Haze-Free” labelling or certification

Fire prevention tools and equipment

Development of policy and regulatory frameworks

Climate change mitigation and adaptation – NDC related

Commodity sector best practice and supply chain governance

Capacity building in early warning & monitoring

Measurement, reporting and verification (MRV) – GHG and biodiversity related

Ecosystems conservation and restoration – e.g. forest, wetlands, peatlands

Best Management Practices – Biochar or compost production from agriculture residues

Micro-finance for community SLM

Resource/financing mobilization/matching

Multi-lateral mechanisms or stakeholder partnerships



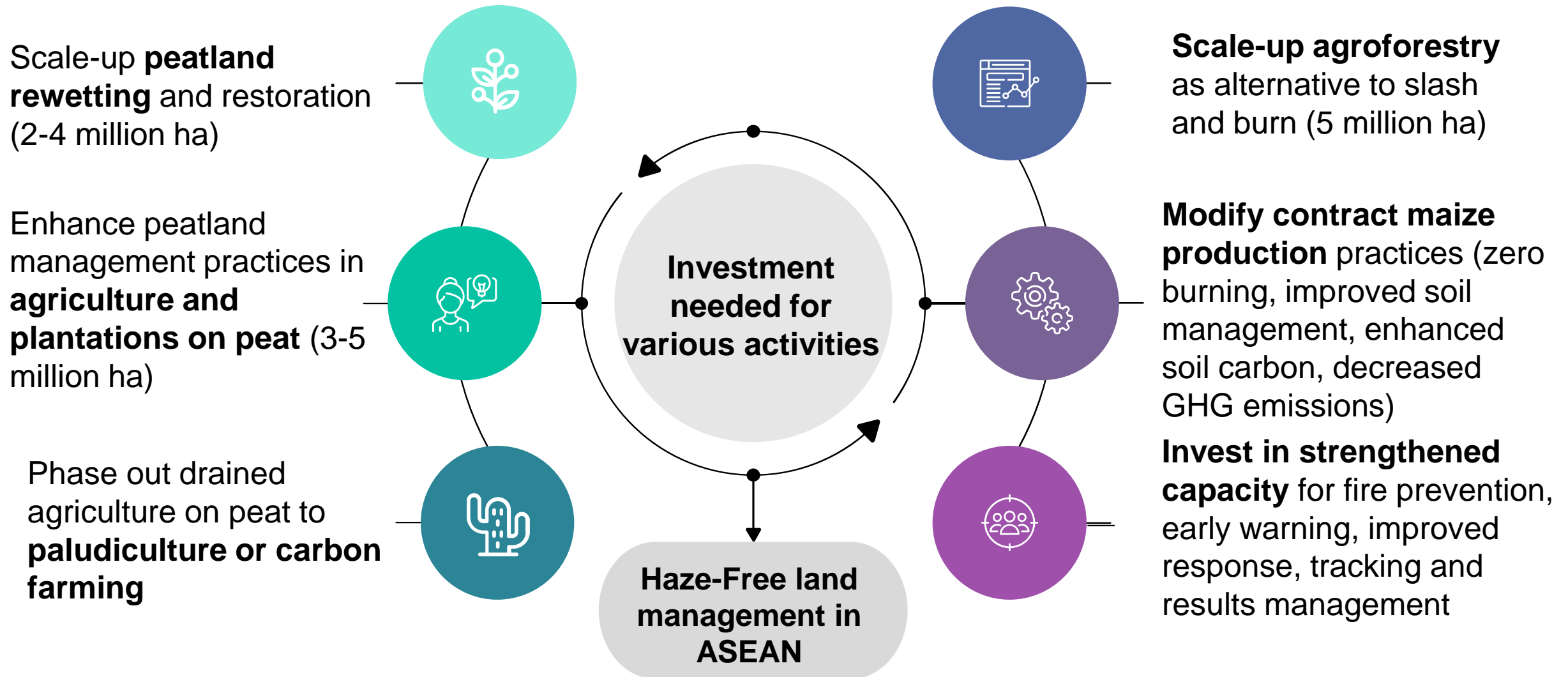
Global Environment
Centre



Investing in rural people



Needs and Opportunities



Aligning with Global Agendas

UNFCCC and Paris Climate Agreement

Land and forest degradation and fires in Southeast Asia are major global sources of GHG.

Preventing fires and transforming land-use is fully in line with the targets for both mitigation and adaptation under UNFCCC. The investment framework will fully support implementation of the emissions reduction targets of all national NDCs

UN Sustainable Development Goals

Ensuring haze-free sustainable land management in ASEAN will help implement at least 10 of the Sustainable Development Goals (SDGs)

Convention on Biological Diversity (CBD)

The investment framework is fully aligned with the Proposed Global Biodiversity Framework under CBD to achieve the 2050 Vision of “Living in Harmony with Nature”

Convention to Combat Desertification (UNCCD)

The investment framework is fully in line with the Land Degradation Neutrality Target



Global Environment
Centre





LIFAD
Investing in rural people





Aligned with National Emission Reduction Targets by ASEAN Member States




 **↓20% GHG emissions**
relative to BAU by 2030

 **↓41.7% GHG emissions**
(of which 59.1% is from Forest and Land Use) by 2030


 **↓31.89% GHG emissions**
by 2030 and to achieve net-zero emission by 2060 or sooner


 **↓60% GHG emissions**
compared to baseline scenario or around 62 MtCO₂e in absolute terms by 2030


 **↓45% economy-wide carbon intensity**
by 2030 compared to 2005 level

 **↓50% GHG emissions**
relative to BAU by 2030 and adopt climate-smart agriculture

 **↓75% GHG emissions**
relative to BAU from 2020-2030 for the sectors of agriculture, wastes, industry, transport and energy

 **↓36% emissions intensity**
from 2005 levels by 2030, achieve peak emissions at 65 MtCO₂e around 2030

 **↓20% GHG emissions**
relative to BAU by 2030

 **↓9% GHG emissions**
relative to BAU scenario by 2030; can be increased up to 27% with international support

Source: NDC Registry, UNFCCC

**Map not in scale*



Investment in Haze-Free ASEAN delivers on UN SDGs

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.



Proposed Initial Transformational Strategies

Strategy 1. Strengthen regional, national and local capacity for fire prevention, prediction, monitoring and control and recovery

Strategy 2. Establish or further strengthen haze-free commodity supply chains and implement sustainable practices

Strategy 3. Empower and incentivise indigenous peoples and local communities (IPLC) to act as stewards of and sustainably manage land and natural resources to prevent haze

Strategy 4. Facilitate climate finance funding and investment flows to reduce net GHG emissions related to fires/land degradation and support adaptation to climate change

Strategy 5. Invest in cross-sectoral and business adoption of circular economy by the agriculture sector to minimise waste and use of fire

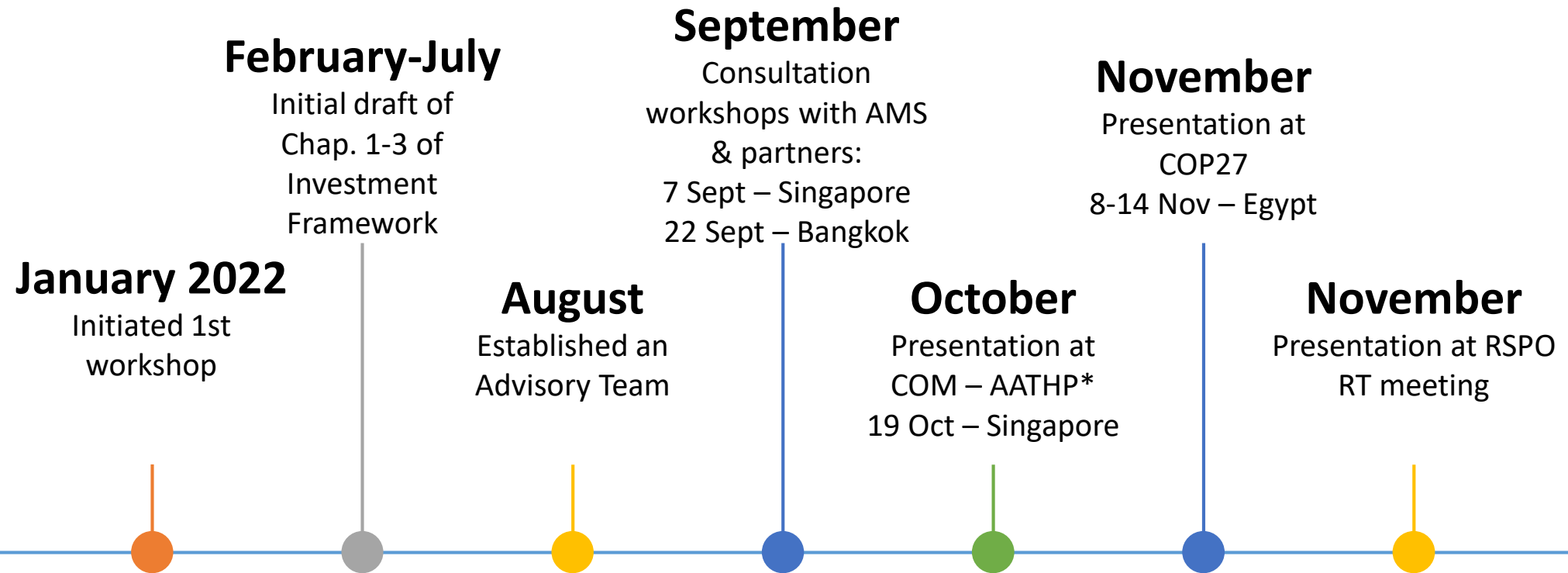
Strategy 6. Halt and reverse deforestation and land degradation and invest in nature-based solutions to maintain natural capital and restore biodiversity and ecosystem services

Strategy 7. Protect, sustainably manage and restore peatland ecosystems to minimise emissions and maintain ecological services

Strategy 8. Scale-up sustainable financing options for haze-free sustainable land management



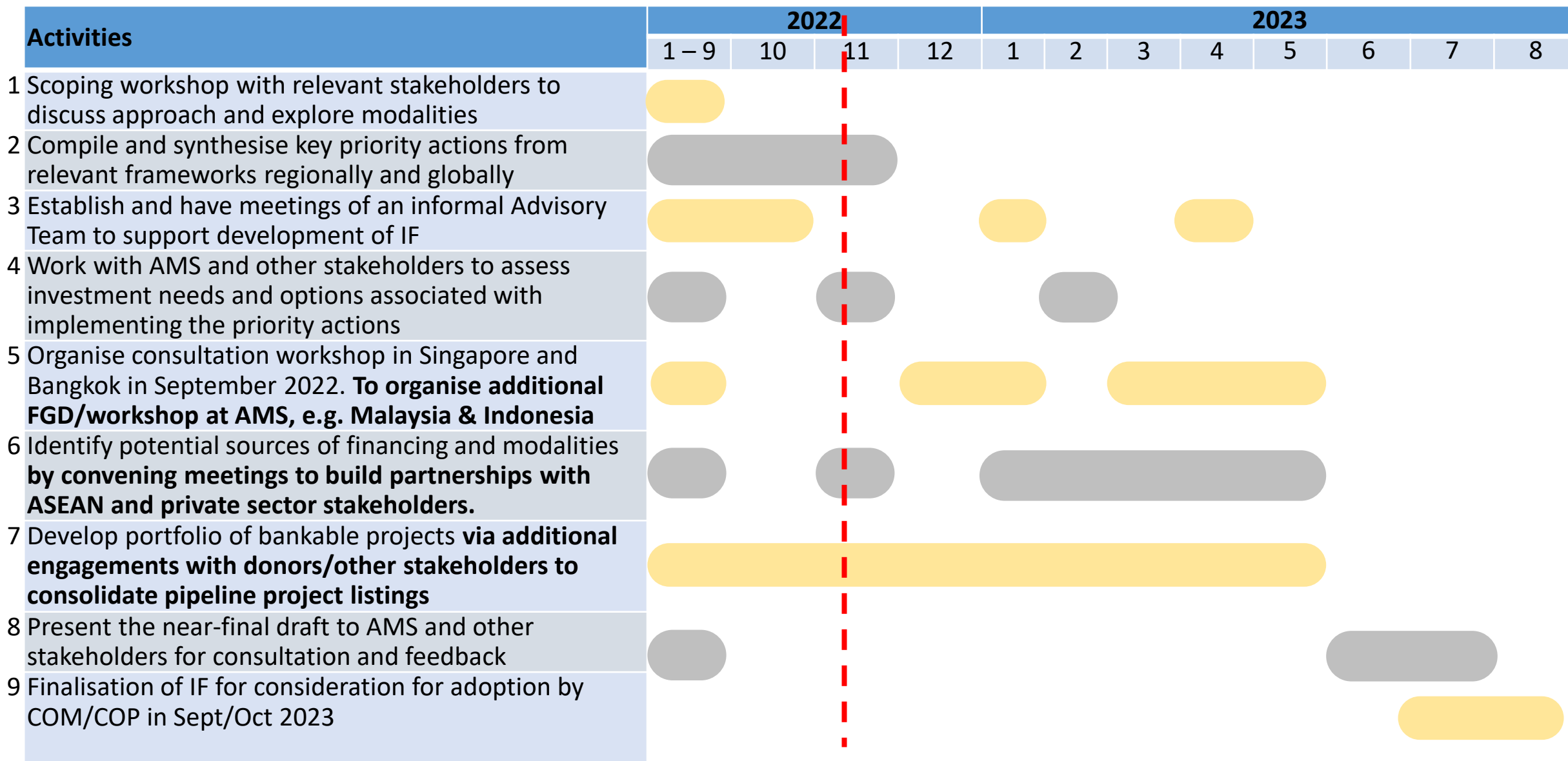
Progress



**Committee of the Meeting to ASEAN Agreement on Transboundary Haze Pollution*



Timeline



Next Steps

- 1. FGDs/roundtable discussions** with potential donors/ funders from bilateral or multilateral development assistance agencies
- 2. Discussions with AMS and ASEC** on cross-sector linkages and institutional arrangements for the IF
- 3. Engagement with private sector** finance and investment stakeholders including financial services, green and impact investment funds, sustainable finance platforms
- 4. Establishing a partnership** with key stakeholders to establish a haze-free partnership/alliance





THANK YOU

Faizal Parish – fparish@gec.org.my
www.gec.org.my





Mr Faizal Parish

*Director
Global Environment Centre*



Thank You

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PRESENTATION TITLE:

Achievements and Opportunities for Financing Haze-Free Sustainable Land Development in ASEAN



Mr. Pierre-Yves Guedez

Senior Climate Finance Specialist

International Fund for

Agricultural Development



Mr. Pierre-Yves Guedez

Senior Climate Finance Specialist

International Fund for

Agricultural Development



- IFAD Focal point to the Green Climate Fund.
- About 20 years of international experience in climate change, development and natural resource management.
- Regional Team Leader and Technical Advisor on REDD+ for UNDP in Latin America and the Caribbean (2010 to 2019), where he supported countries to go through the entire cycle of REDD+ as defined by the UNFCCC, including the negotiation and mobilization of payments for GHG emission reductions.
- Previously, an international consultant in Latin America (2008-2009); and Program Officer on Environment & Energy in UNDP Burkina Faso (2003-2007); and as Environmental Scientist in private companies (1997-1998 and 2001-2002).



Achievements and opportunities for financing haze free sustainable land management in ASEAN

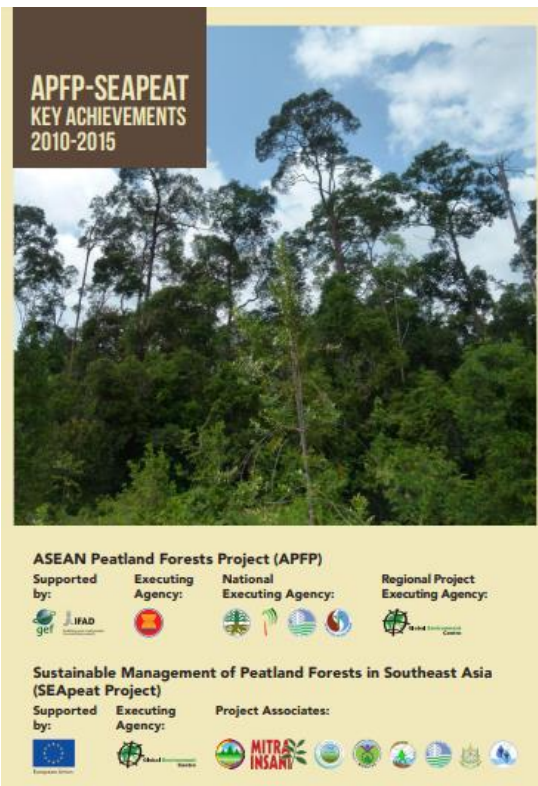
Mr. Pierre-Yves Guedez

*Senior Climate Finance Specialist
International Fund for Agricultural
Development (IFAD)*

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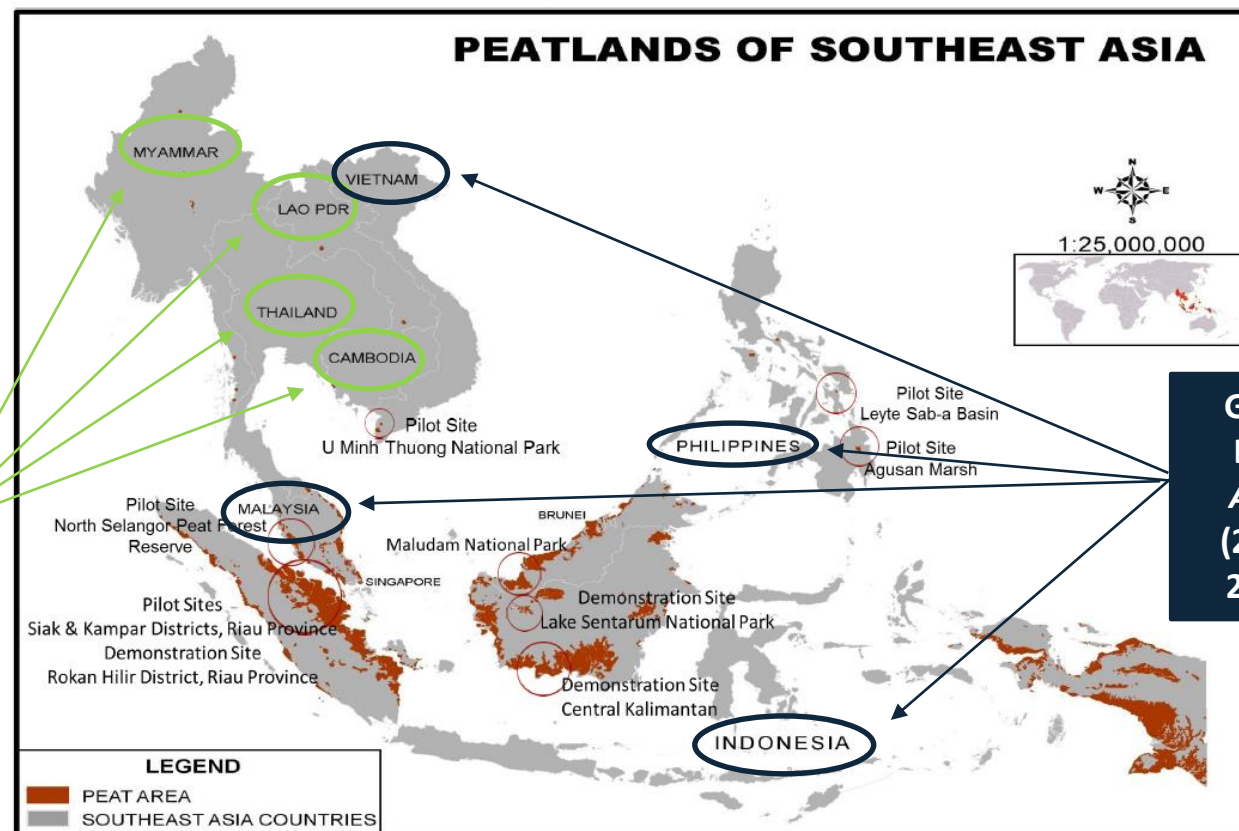
**ASEAN Investment
Framework for
Haze-Free Sustainable
Land Management**

IFAD's decade-long work on peatland management and haze control in the ASEAN Region



**EU-GEC
SEApeat
(2010-2015)**

Map of the Project Pilot and Demonstration Areas



**GEF4-
IFAD
APFP
(2009-
2014)**

IFAD's current sub-regional programme (USD 170M of GEF & IFAD financing) and multi-stakeholder partnerships



Government; Private Sector; GCF; GEF; Bi & Multilateral; Environmental Orgs (WWF); Philanthropic etc.



MAHFSA: Investment Framework of ~\$1.5 billion
(2022-2030 in line with updated APMS timeline)

EU GIZ SUPA (\$23 mil)

IUCN GEF6 SMPENC Mekong
(\$13.3 mil)

Indonesia projects

GEF5-IFAD SMPEI (\$26.5 mil)
IFAD grant HFSLP (\$0.7 mil)
GEF6-IFAD IMPLI (\$27.3 mil)
GEF7-IFAD CoPLI (\$26.3 mil)

Malaysia projects

GEF6-IFAD SMPENC (\$62.2 mil)
IFAD grant TAKE-SMPEM (\$1.5 mil)



Smallholder farmers and plantations

APMS: ASEAN Peatland Management Strategy

EU GIZ SUPA: Sustainable Use of Peatland and Haze Mitigation in ASEAN Project (2018-2022)

IUCN GEF6 SMPENC: Sustainable Management of Peatland Ecosystems in Mekong Countries (2018-2022)

IFAD-MOEF GEF5 SMPEI: Sustainable Management of Peatland Ecosystem in Indonesia (2017-2021)

IFAD-KeTSA GEF6 SMPENC: Sustainable Management of Peatland Ecosystem in Malaysia (2020-2024)

IFAD-MOEF GEF6 IMPLI: Integrated Management of Peatland Landscape in Indonesia (2020-2025)

IFAD-MOEF GEF7 CoPLI: Community-based Conservation of Forests and Peatland Landscapes in Indonesia (CoPLI) (design)

IFAD-CIFOR HFSLP : Haze Free Sustainable Livelihood Project (completed 2016-2019)

IFAD-ASEAN (CIFOR & GEC) MAHFSA: Measurable Action for Haze-free Sustainable Land Management In Southeast Asia (2019-2024)

IFAD-GEC TAKE-SMPEM: Technical Assistance and Knowledge Exchange for Sustainable Management of Peatland Ecosystem in Malaysia (2019-2024)

An investment framework for haze-free ASEAN (2023-2030)

Partnerships

- Involve various stakeholders in the development and implementation.
- Links to global environment conventions (UNFCCC, CBD, UNCCCD) and climate finance mechanisms.



Scale

- Target of US\$1.5 billion.
- Looking beyond traditional sources of funds: combine different types of financial instruments, and from different sources: domestic and international, bilateral and multilateral.

Prioritization

- Matching needs with investment opportunities.
- Building an investment portfolio.

Existing E&C funds (GEF, AF, GCF): Common aspects E&C funds look for in projects



- **Alignment of project objectives and components with NDCs***
- **National Focal points endorsement** (GCF NDAs, GEF OFPs, AF NDAs)
- **Cross-funds partnerships** (i.e. GCF-GEF-AF collaboration)
- **Innovations (technical CSA or peatland management, financial, etc)**
- **Differentiate financing instrument types** (carbon markets, green bonds, nature debt swaps, grants, loans, etc.)
- **Alignment of project rationale with focal areas** (e.g. climate change – adaptation and mitigation, biodiversity, land degradation, SFM, etc.)
- **Private sector engagement**
- **Direct Access Entities** (DAEs for GCF) or other **local actors engagement** and capacity building



- Examples: *IFAD's **GEF7 CoPLI** project under design in Indonesia; **GCF multi country ASEAN Haze-Free programme** idea*

Existing E&C funds: aspects to keep in mind when elaborating project proposals



- **Timeline** between design start and 1st disbursement can be very long
- **Fund requirements, processes for approval and criteria need to be followed**
- **Budget needed for designs** (GCF PPF, GEF PPG, etc.)
- **Funding cycles** (GEF8 starting in 2022, GCF1 (2020-2023), GCF2 (2024-2027))
- **Availability of funds under each funding cycles** (and country allocations e.g. GEF STAR)
- **Working with GCF, GEF, AF accredited entities**



Beyond E&C funds: IFAD's Programme of Loans and Grants in ASEAN under IFAD11 & IFAD12



IFAD 11 (2019-2022)

PROJECTS	TOTAL IFAD AMOUNT (USD)	IFAD CLIMATE FINANCE (USD)
Cambodia SAAMBAT	54 M	38 M
Indonesia UPLANDs	50 M	41 M
Indonesia TEKAD	34 M	0.6 M
Laos PICSA	21 M	10 M
Vietnam CSAT	43 M	19 M
Indonesia & Philippines SFITAL	2.5 M	2.5 M

Examples

The Development of Integrated Farming Systems in Upland Areas (UPLANDs)

- Climate Smart Agriculture,
- Soil, Water, Integrated Pest, & Canopy Management

Sustainable Farming in Tropical Asian Landscapes (SFITAL)

IFAD/World Agroforestry (ICRAF)/MARS, Incorporated/Rainforest Alliance-UTZ (RA)

- E&S management systems and production standards in landscapes
- Value chains based on sustainably sourced raw materials
- Strengthen enabling environments towards green-growth

IFAD 12 (2022-2024) (tentative)

PROJECTS	TOTAL IFAD AMOUNT (USD)
Indonesia HDDA	40 M
Vietnam RECAF	42 M
Cambodia ASPIRE II	48 M
Cambodia CAISAR	5 M
Viet Nam CRWIS	17 M
Laos AFN II	13 M
Philippines Phi-UPLAND	60 M (TBC)
Philippines FiARLiP	25 M (TBC)
Indonesia IARD	50 M

Project proposals: potential regional or national-level elements



- **Community-led peatland restoration** (rewetting, revegetation, reducing fire and revitalization) **and conservation activities**
- National peatland **monitoring systems (EWS)** enhancements
- Strengthening **national policy, frameworks and institutional capacities** to implement APMS and NAPPs
- Integrating **community-based climate adaptation** into haze-free land management
- **Deforestation and haze-free value chains development** (incl. crops impacted by slash-and-burn: palm oil, paper pulp, rubber)
- **Livelihoods diversification** towards haze-free commodities, community-based agribusiness models and strengthened market linkages
- Piloting and scaling up production of **paludiculture crops**
- **Multi-stakeholder partnerships**
- **Private sector engagement**
- **SSTC knowledge sharing** and lessons learned between countries

Good Practices - 3 Key Dimensions

1

Landscape-level multi-stakeholder partnerships

- Peatland Hydrological Units as a key unit for planning and management, and critical to ensure long-term sustainability of peatlands.

2

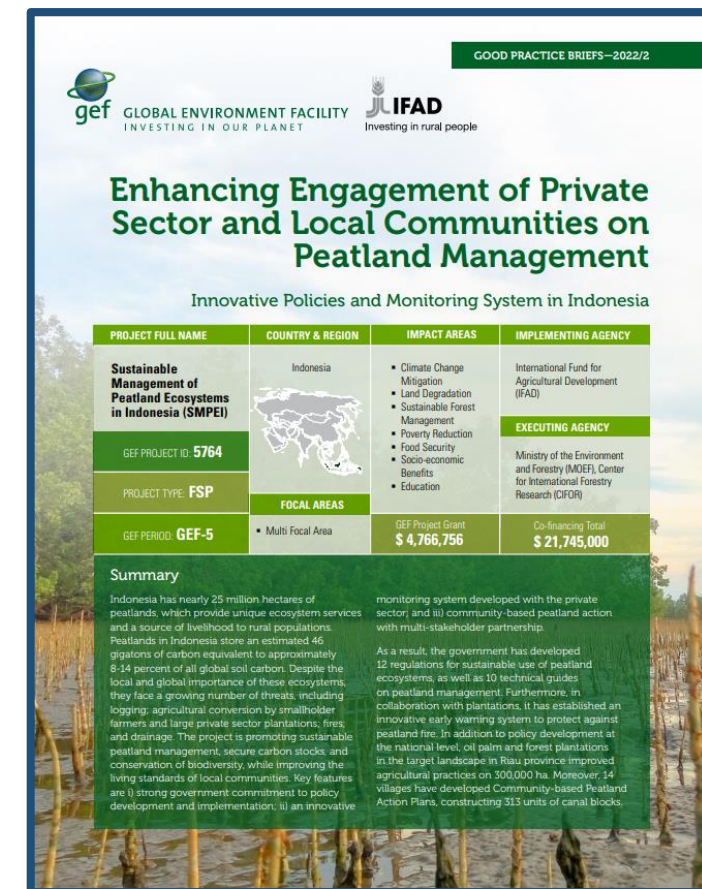
Policy strengthening

- Strengthened regulatory framework for peatland restoration and sustainable use and management of peatland ecosystems.

3

National monitoring and mapping

- Innovative national monitoring system including combinations of remote sensing imagery, ground-level proofing and data collection.



PROJECT FULL NAME	COUNTRY & REGION	IMPACT AREAS	IMPLEMENTING AGENCY
Sustainable Management of Peatland Ecosystems in Indonesia (SMPEI)	Indonesia	<ul style="list-style-type: none">Climate Change MitigationLand DegradationSustainable Forest ManagementPoverty ReductionFood SecuritySocio-economic BenefitsEducation	International Fund for Agricultural Development (IFAD)
GEF PROJECT ID: 5764			EXECUTING AGENCY
PROJECT TYPE: FSP			Ministry of the Environment and Forestry (MOEF), Center for International Forestry Research (CIFOR)
GEF PERIOD: GEF-5	FOCAL AREAS <ul style="list-style-type: none">Multi Focal Area	GEF Project Grant \$ 4,766,756	Co-financing Total \$ 21,745,000

Summary

Indonesia has nearly 25 million hectares of peatlands, which provide unique ecosystem services and a source of livelihood to rural populations. Peatlands in Indonesia store an estimated 46 gigatons of carbon equivalent to approximately 8-14 percent of all global soil carbon. Despite the local and global importance of these ecosystems, they face a growing number of threats, including logging, agricultural conversion by smallholder farmers and large private sector plantations, fires, and drainage. The project is promoting sustainable peatland management, secure carbon stocks, and conservation of biodiversity, while improving the living standards of local communities. Key features are i) strong government commitment to policy development and implementation; ii) an innovative

monitoring system developed with the private sector; and iii) community-based peatland action with multi-stakeholder partnership.

As a result, the government has developed 12 regulations for sustainable use of peatland ecosystems, as well as 10 technical guides on peatland management. Furthermore, in collaboration with plantations, it has established an innovative early warning system to protect against peatland fire. In addition to policy development at the national level, oil palm and forest plantations in the target landscape in Riau province improved agricultural practices on 300,000 ha. Moreover, 14 villages have developed Community-based Peatland Action Plans, constructing 313 units of canal blocks.

**GEF Good Practice Brief for
IFAD-GEF5 SMPEI project in
Indonesia**

Key Messages



1

If we can **sustainably manage peatlands**, we can reduce emissions and revive an essential ecosystem that provides many services – for people, the planet and the climate.

2

Sub-regional programming and **multi-stakeholder** partnerships can play a catalytic role in haze elimination, and sustainable peatland management and rehabilitation, accompanied by an **investment framework and plan**.

3

Donors and international agencies have a key role to play in facilitating **investments, capacity-building, knowledge-sharing** and **awareness** at all levels.



Thank you for your attention

Mr. Pierre-Yves Guedez

Senior Climate Finance Specialist

*International Fund for Agricultural Development
(IFAD)*

p.guedez@ifad.org





Mr. Pierre-Yves Guedez

*Senior Climate Finance Specialist
International Fund for
Agricultural Development*



Thank You

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8 NOVEMBER 2022 (TUESDAY)

2:30-4:00 PM (GMT+2)

MALAYSIAN PAVILION

COP27, EGYPT 2022

PRESENTATION TITLE:

Role of Forest Plantation Sector in Haze-Free Land Management in Indonesia



Ms. Elim Sritaba

*Chief Sustainability Officer
Asia Pulp & Paper*



Ms. Elim Sritaba

*Chief Sustainability Officer
Asia Pulp & Paper*



- Leads the implementation of APP's Forest Conservation Policy (FCP) at Sinar Mas Forestry since its launch in 2013.
- In her previous role - Director of Strategic Corporate Relation & Human Resources at Sinar Mas Forestry, she manage APP's pulpwood suppliers and led the coordination of three huge divisions: communication strategy, government relation and sustainability.
- Over 20 years of experience across finance, forestry as well as supply chain and business process management & business strategy.
- Currently serves on the board of Indonesian Global Compact Network and is the Deputy Head of Permanent Committee for Climate Change under Indonesia Chamber of Commerce.
- Board member at Belantara Foundation, a non-profit that works to conserve and protect the forest ecosystems



APP Sinar Mas | Best Management Practices of Haze-Free Sustainable Land Management

COP 27 2022, Sharm El-Sheikh, Egypt
Elim Sritaba, Chief Sustainability Officer
Asia Pulp & Paper (APP) Sinar Mas



Production

30% reduction in carbon footprint

Doing more with less, so that our products go further, with minimal waste.

To reduce our environmental footprint and contribute towards a circular global economy, we commit to producing paper goods responsibly and sustainably.



Lower Carbon Footprint



Innovative Products



We are taking action on the UN Sustainable Development Goals



Forest

Over half a million hectares of natural forests conserved

Protecting and conserving the forests, peatlands and biodiversity which sustain our business.

As a business that relies on sustainable plantations, we are continuing research and improvement in sustainable forestry while protecting and restoring natural forests in and around our supplier concessions.



Fiber Sourcing



Forest Protection



Integrated Fire Management



We are taking action on the UN Sustainable Development Goals



People

Improving the lives of millions

People are at the heart of what we do, from uplifting communities, empowering employees and partnering with allies in sustainable development.

To create and sustain lasting change, we have to work together, across our employees, forest communities and allies in sustainable development.



Sustainable Livelihood



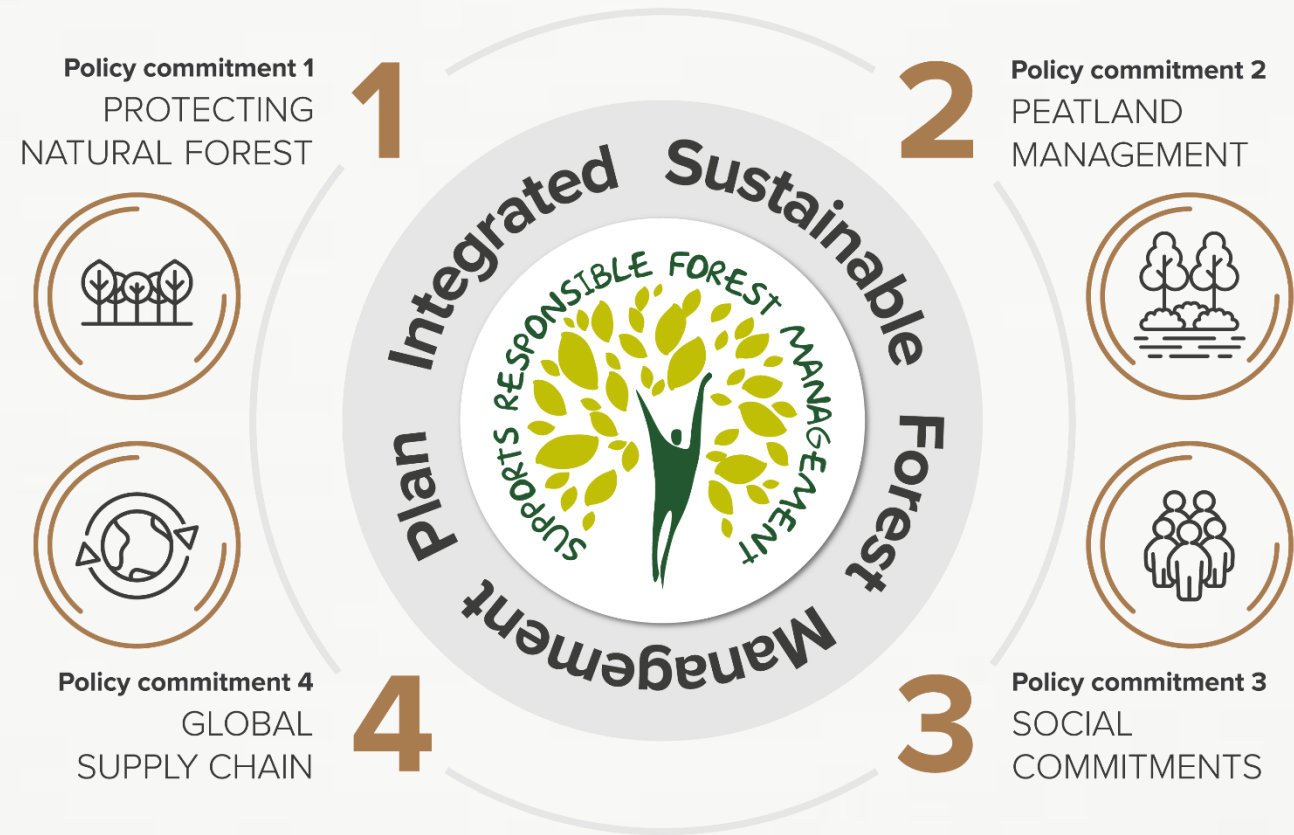
Workforce Management



Business Ethics & Conduct



We are taking action on the UN Sustainable Development Goals



SRV 2030 – Forests | Over half a million hectares of natural forests conserved

To continue research and improvement in sustainable forestry while protecting and restoring natural forests in and around supplier concessions.
Conserving the forests: Forest protection & restoration | Peatland management | Conserving key species | Sustainable forests management | Integrated Fire Management

FIBER SOURCING

GOALS

- 1.Source only from certified Sustainable Forests at productivity.



FIBER SOURCING

100%

Fibre supply from sustainably-managed plantations –
Mean Annual Increment of 6.3 ADT/ha/year



FORESTS PROTECTION

GOALS

- 1.Conserve High Carbon Stock (HCS) forest and High Carbon Value (HCV) area and continue restoration efforts.
- 2.Conserve critical peatland ecosystems.
- 3.Protect Indonesia's flora and fauna, focusing on the three priority wildlife and ten species of rare trees.



CONSERVE HCS FORESTS & HCV AREA CONTINUE RESTORATION EFFORTS

82% of natural forests in concessions maintained in good condition

CONSERVE CRITICAL PEATLAND ECOSYSTEM

41% of peat dome peak areas have been restored

FOCUS ON 3 PRIORITY WILDLIFE & 10 SPECIES OF RARE TREES

- **76** Sumatran Tiger, **289** Sumatran Elephants, **145** Orangutans
- **5** Tree species repopulated in conservation area, in 2021.
- **15%** fatal conflicts occurring of total in the province
- **73%** Decrease of illegal poaching tools
Compared to 2019 baseline



INTEGRATED FIRE MANAGEMENT

GOALS

1. Maintaining area impacted by fires at under 2%.

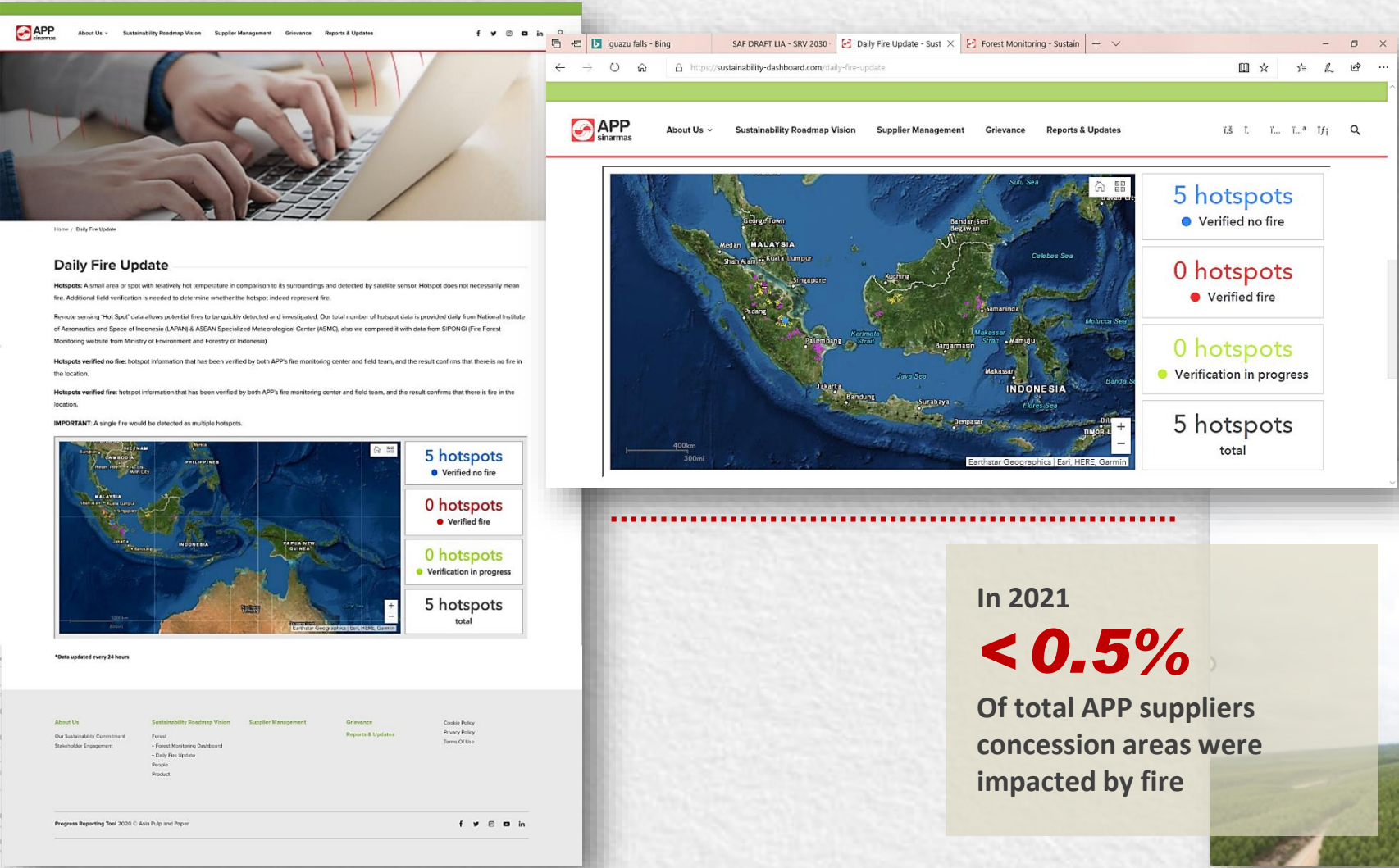


MAINTAINING AREA IMPACTED BY FIRES AT UNDER 2%

0.5% of all concession areas were affected by fire



Integrated Fire Management | <https://sustainability-dashboard.com/daily-fire-update>



In 2021

< 0.5%

Of total APP suppliers concession areas were impacted by fire



Integrated Fire Management

Supporting the governments, working in collaboration with communities and key stakeholders

Prevention

- Preventing Fires inside & outside the Concession

Preparation

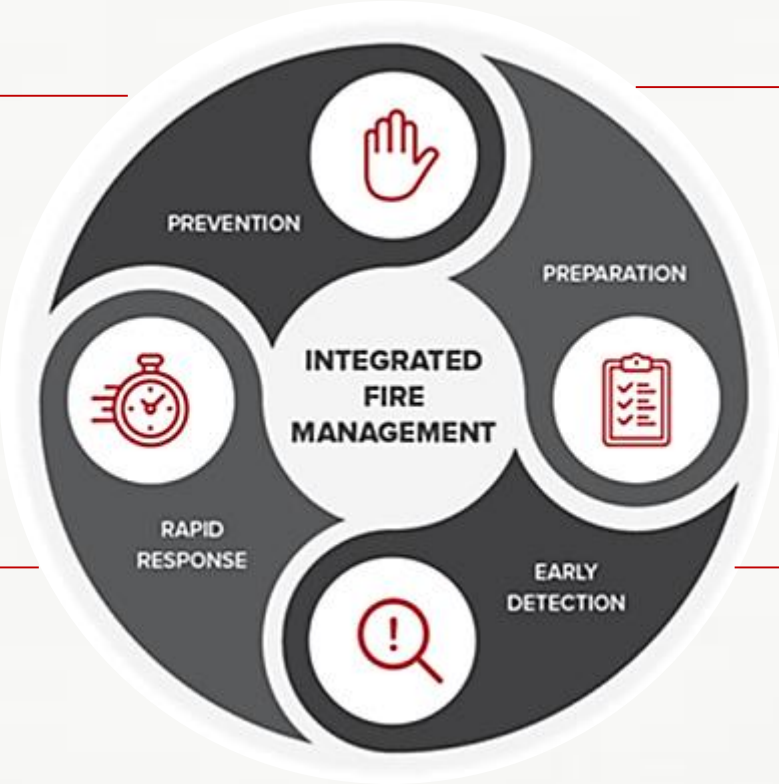
- Prepare Resources in accordance with Applicable Regulations & Requirements for Forest and Land Fire Control

Rapid Response

- Ability to Extinguish Fires Quickly, Precisely & Accurately Inside & Outside Concession

Early Detection

- Ability To Detect Fires Quickly, Precisely & Accurately Inside & Outside Concession





Awareness (Socialization, Signing)



Fire Prevention Activities with the Community and Related Stakeholders (MPA, Joint Patrol)



Engineering (Canal Blocking, Fire Break)



Community Empowerment (DMPA and PLTB Program)



Security and Law Enforcement





FIRE FIGHTING | OUR 2022 RESOURCES



Fire watch
Tower
109



Mini Tower
Portable
91



TRC Team
141



RPK Team
(1338+1332)
2670



Monitor Post
1195



Stiation
Room
83



Fire Pump
1779



CCTV &Thermal
Camera
65



Airboat
9



Speed boat +
Others
90



Car Patrol
129



Fire Truck
141



Helicopter
6



Helipad
63



MotorcyclePatrol
515



Drone
101

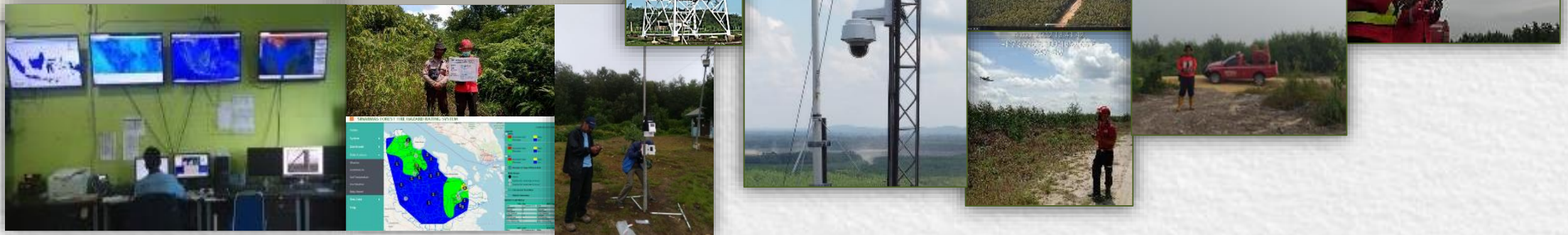


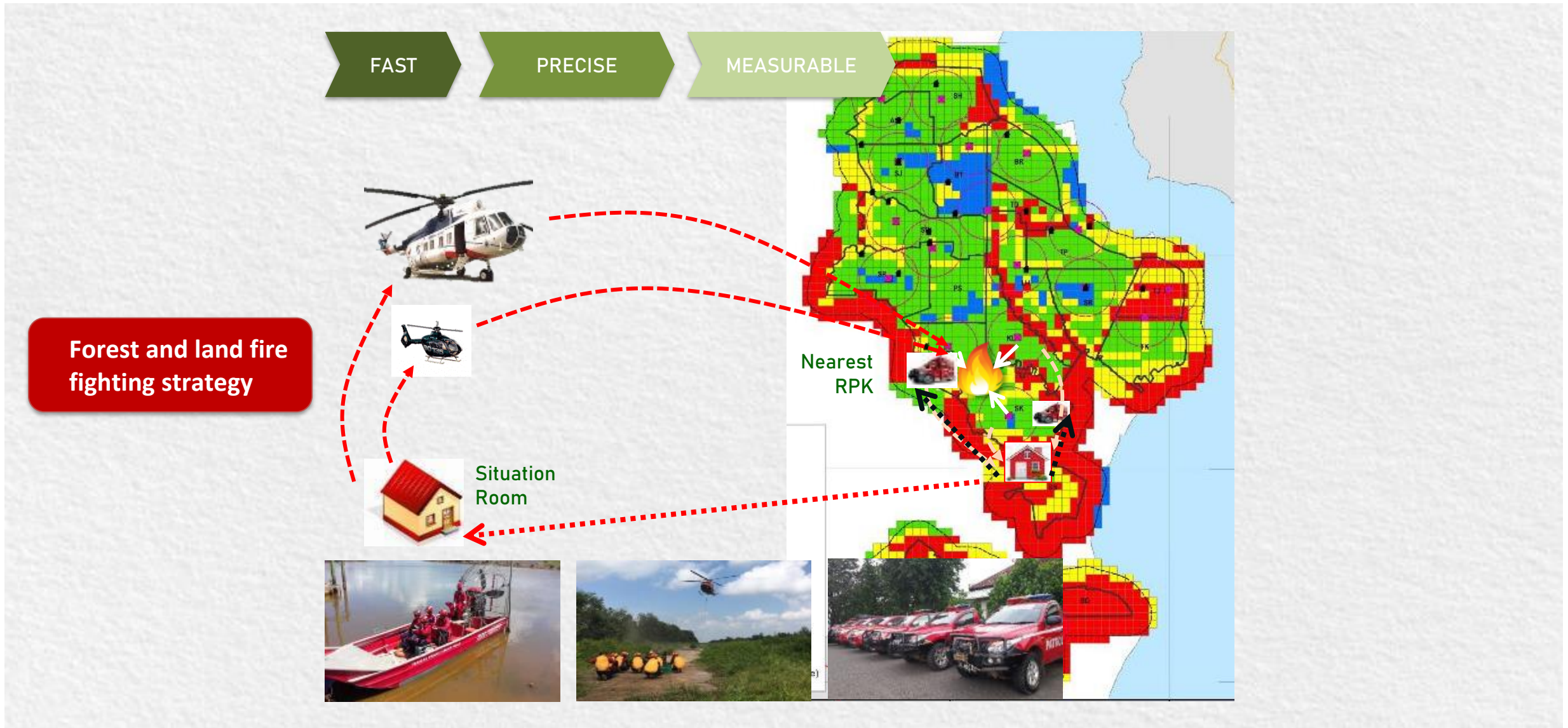
Communication
Radio
1863



1. Situation Room
2. Fire Reporting Online System (FROS)
3. Automatic Weather Station
4. Fire Danger Rating System (FDRS)
5. Daily Weather Prediction (Windy.Com) -> Prediction for the next 7 days
6. Utilization of satellite data
7. Patrol
8. Fire Tower
9. CCTV
10. Drone

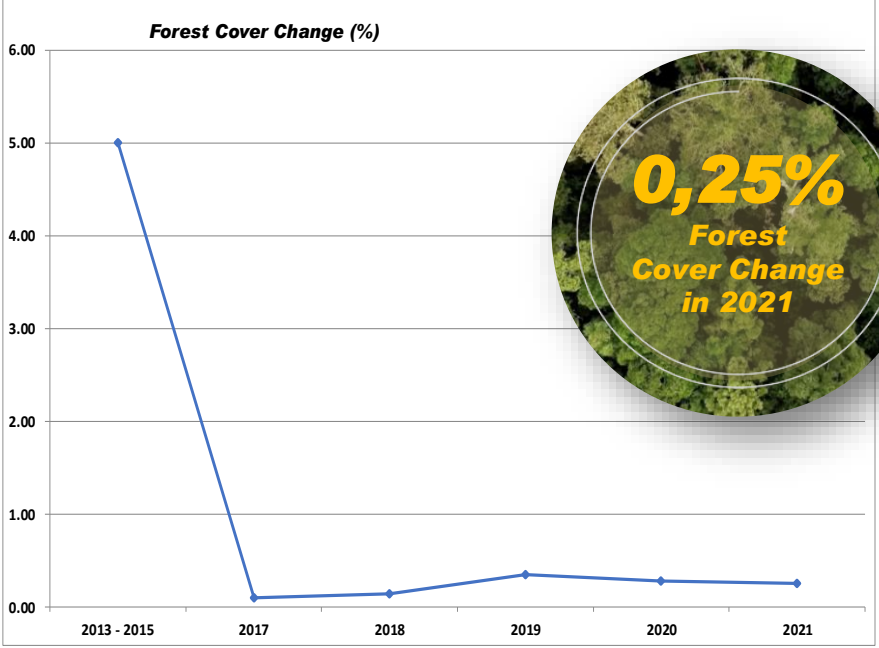
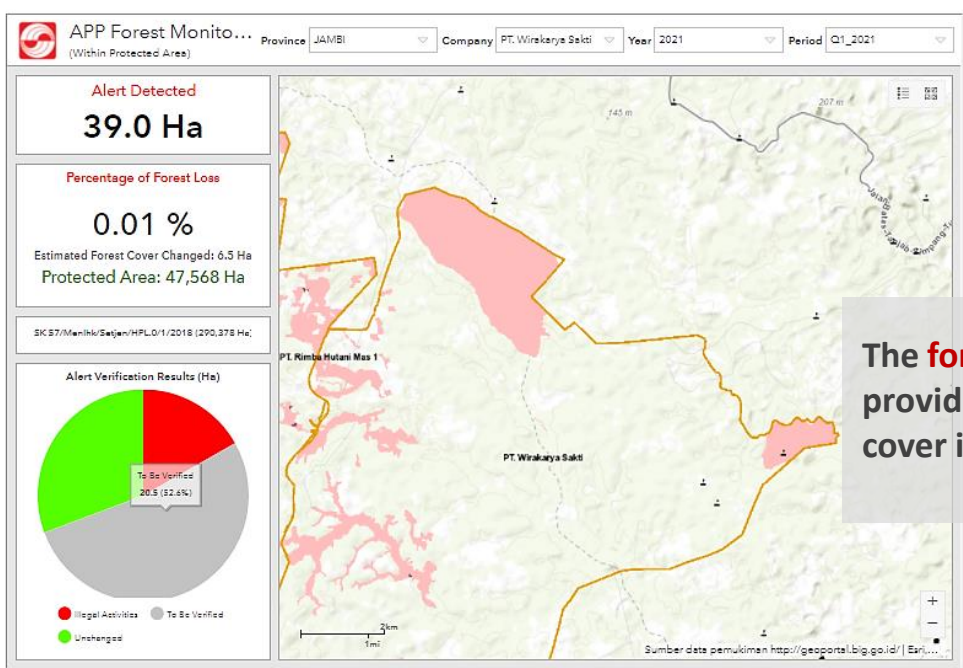
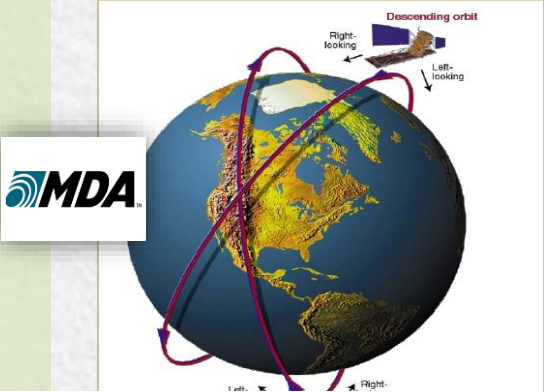
Monitoring Efforts





Forest Protection | Monitoring Forest Cover Change in Protected Areas

1. Using satellite technology – **RADARSAT 2** since 2016 to monitor forest cover change in **600,000 hectares of protected areas** inside suppliers concessions.
2. This methodology is able to provide **accurate detection** of clear cuts, selective logging, and natural forest degradation
3. Prioritizing areas for **Security Patrol & Collaborative Conservation Management**



The **forest monitoring dashboard** provide access to our stakeholders to monitor the changes in forest cover in the protected areas of our suppliers concessions

<https://sustainability-dashboard.com/forest-monitoring>



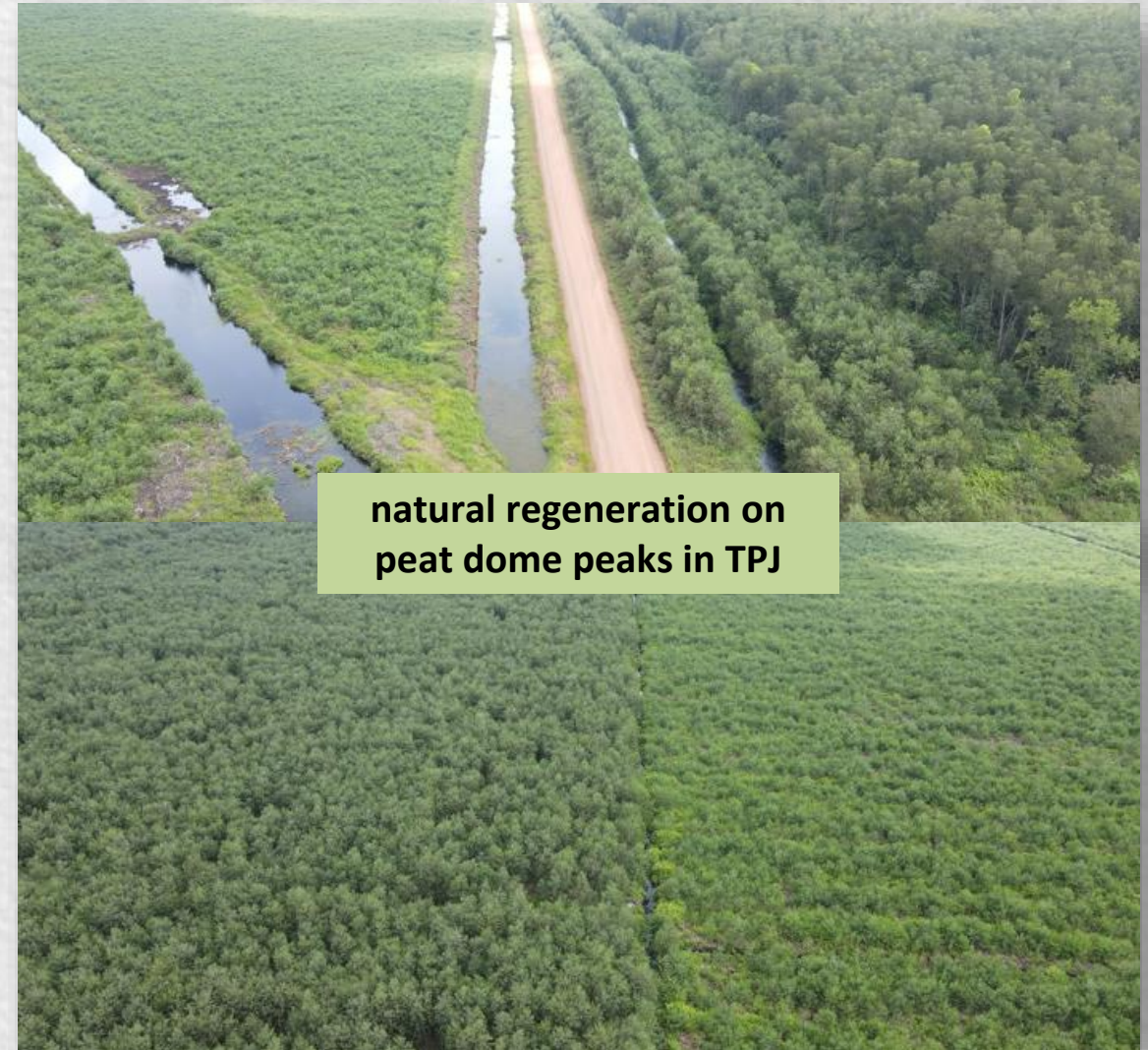
Retirement on Critical Peat Dome Area

In order to find a strategy for restoration in ex-production peatland, APP is working together in **collaboration with an international research institution, our research with a leading global university, National University of Singapore (NUS) Environmental Research Institute (NERI).**



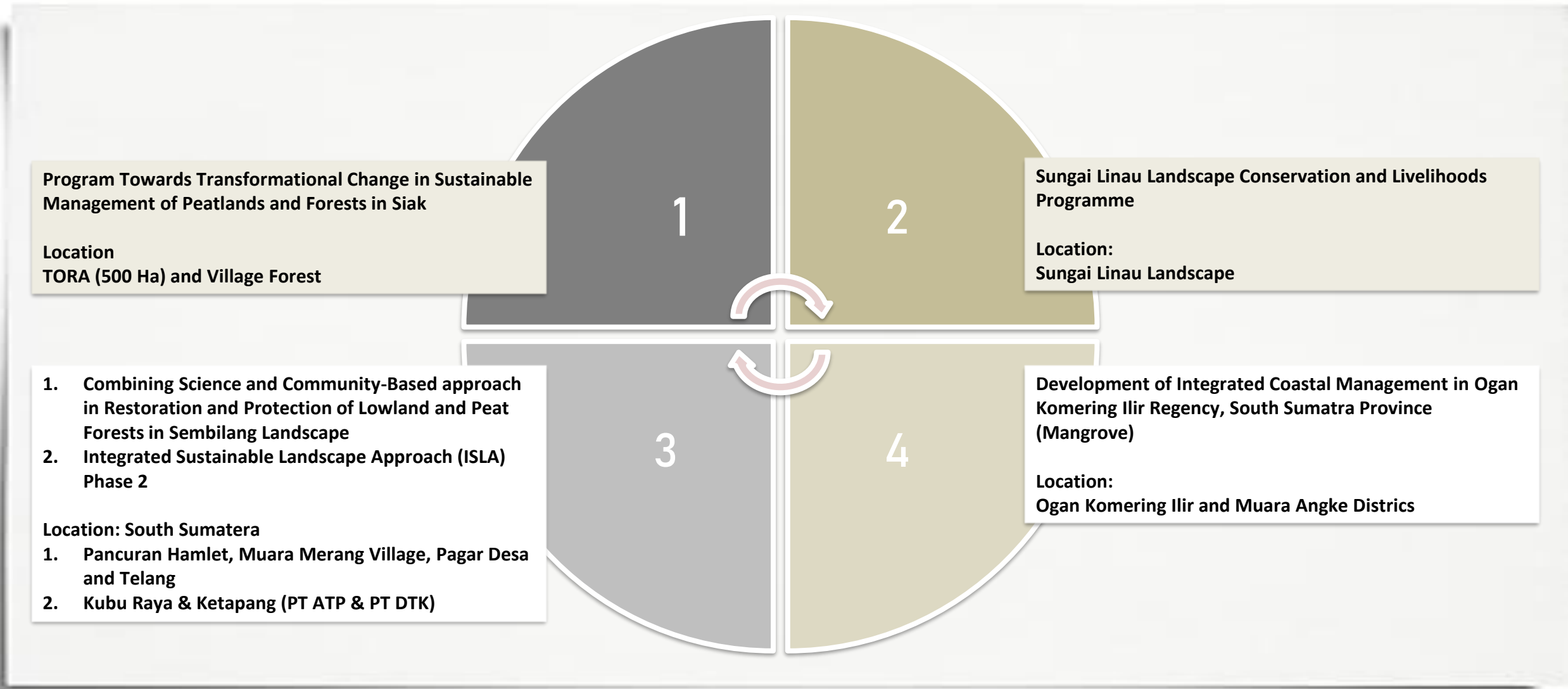
NUS Environmental
Research Institute

- The research takes place in the concession of an APP supplier, PT. Tripupa Jaya
- Study a large retired Acacia plantation
- First to create a large-scale controlled peatland experiment in 72 plots over 3 hectares.
- The research will takes around 3 years (2020-2023)



**natural regeneration on
peat dome peaks in TPJ**

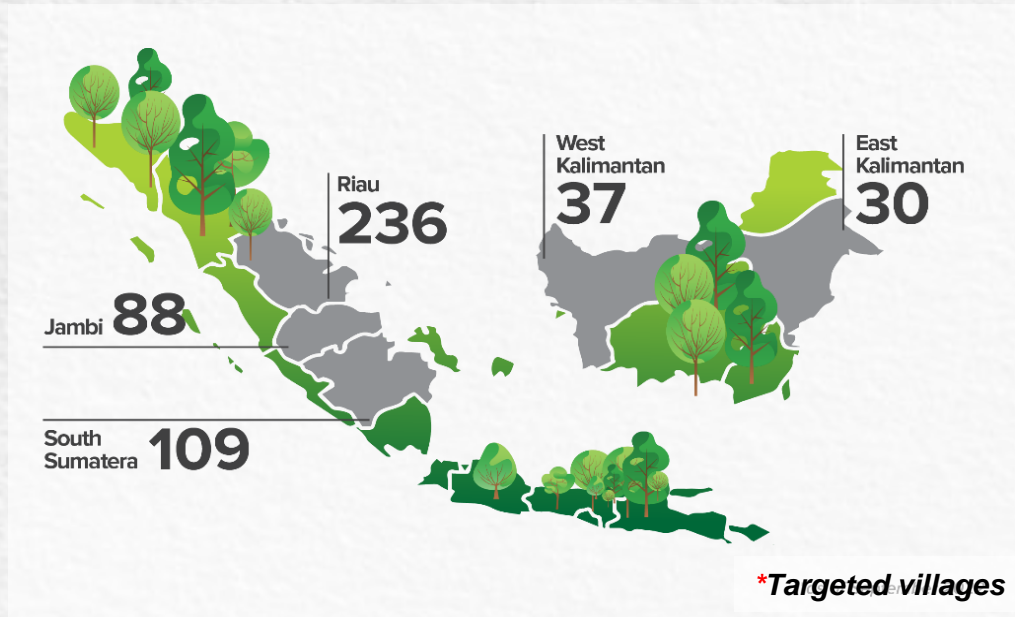
Initiatives in Restoration Program



Desa Makmur Peduli Api (DMPA) | Empowering local communities, improving lives







30%
of DMPA projects are home industries and MSMEs



78% DMPA beneficiaries location are free or reduced from fire

11 DMPA villages received PROKLIM Award, with more than **39** were in process PROKLIM 2022

 <p>Allocate USD 10 Million</p>	 <p>405 Vilages Benefitting from DMPA programs</p>
 <p>>80,000 People impacted as potential beneficiaries of DMPA programs</p>	 <p>92 Women Groups Benefitting from DMPA programs</p>

*as of September 2022

SUPPORTING & WORKING IN COLLABORATION WITH











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Ms. Elim Sritaba
Chief Sustainability Officer
Asia Pulp & Paper



Thank You

SIDE EVENT

Financing and Investment for Haze-Free Sustainable Land Management

8 NOVEMBER 2022 (TUESDAY)

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COP27, EGYPT 2022

PRESENTATION TITLE:

Options for Finance & Sustainable Land Management in ASEAN through Global Financing Mechanisms



Mr. David McCauley (PhD)

Advisory Team

ASEAN Investment Framework



Mr. David McCauley (PhD)

Advisory Team

ASEAN Investment Framework



- ESG and Climate Finance Advisor and expert in sustainable finance and policy
- Extensive experience at senior levels developing and implementing global, regional, national and local strategies and investments for both the public and private sectors to improve environmental management as well as climate change mitigation and adaptation.
- Currently as Senior Climate Finance Consultant to the Global Environment Facility (GEF)
- Co-Chair of the Independent Expert Group for the Nature, People and Climate Program of the Climate Investment Funds.
- A decade as a senior environment and climate expert at the Asian Development Bank in Manila, finishing as Head of its Climate Program comprising \$3 billion in annual investments across the Asia-Pacific region.



Options for Financing Sustainable Land Management in ASEAN through Global Funding Mechanisms

David McCauley, PhD

Member, Advisory Team

ASEAN Investment Framework for Haze-free Sustainable Land Management

SIDE EVENT

ASEAN Investment Framework for Haze-Free Sustainable Land Management

Reducing damages as a rationale for investment from various financing sources



- **GLOBAL**

- Greenhouse gas emissions – MDBs, GCF, GEF, Bilateral, Business
- Loss of biological diversity – MDBs, GEF, Bilateral, Business
- Land degradation – MDBs, GEF, GM, Bilateral, National, Business

- **REGIONAL AND NATIONAL**

- Human health impacts – MDBs, IFIs, Regional, National
- Disruption to hydrology / climate resilience – GCF, GEF, AF, Bilateral, National
- Other significant economic disruptions – MDBs, Regional, National, Business

- **NATIONAL AND LOCAL**

- Agricultural production losses – Business, MDBs, National, Local
- Local community social costs – Business, MDBs, National, Local



Mr. David McCauley (PhD)
Advisory Team
ASEAN Investment Framework



SIDE EVENT

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MALAYSIAN PAVILION

COP27, EGYPT 2022

Thank You



PRESENTATION TITLE:

Sustainable Finance Strategies in Relation to Haze-Free Sustainable Management



Ms Luanne Sieh
Head of Group Sustainability
CIMB Group

SIDE EVENT

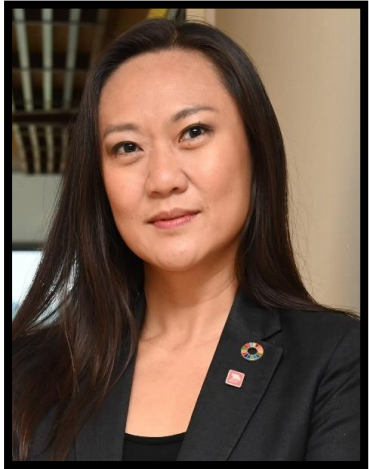
**Financing and Investment
for Haze-Free Sustainable
Land Management**

8 NOVEMBER 2022 (TUESDAY)

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COP27, EGYPT 2022



Ms Luanne Sieh

Head of Group Sustainability
CIMB Group



- Heads of ASEAN's leading banking groups and is responsible for transforming CIMB into a shaper of sustainable finance and responsible banking practices in Asia.
- Chairs the Working Group of the CEO Action Network Malaysia.
- Has extensive experience in sustainability, strategy and transformation, as well as change management.
- Involved in a number of fields, including financial services and consulting, and was a founding member of a startup company.



Ms Luanne Sieh
Head of Group Sustainability
CIMB Group



SIDE EVENT

Financing and Investment for Haze-Free Sustainable Land Management

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Thank You



Question & Answer Discussion

SIDE EVENT

**Financing and Investment
for Haze-Free Sustainable
Land Management**

8 NOVEMBER 2022 (TUESDAY)

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Closing Remarks



Mr Faizal Parish

Director

Global Environment Centre

SIDE EVENT

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for Haze-Free Sustainable
Land Management**

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SIDE EVENT

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ASEAN Investment Framework @ COP27

Background

Large-scale land and forest fires regularly impact up to 30-50 million hectares (ha) of land in Southeast Asia. These fires can generate smoke clouds covering hundreds of millions of ha for months at a time. This transboundary smoke haze has impacted parts of all 10 ASEAN Member States (AMS) and had severe impacts. Over the last 25 years, hundreds of billions of economic damage have been done at immense social costs and environmental impacts. The fires and the associated ecosystem degradation are one of the largest sources of GHG emissions from the land-use sector globally. In response, the 10 AMS have developed a number of plans and mechanisms including the:

- ASEAN Agreement on Transboundary Haze Pollution (AATHP)
- ASEAN Peatland Management Strategy
- ASEAN Haze-Free Roadmap

While significant progress has been made in some countries, the situation in others is worsening. While technically many solutions are known, the challenge has been to take action at sufficient scale in an integrated manner, across a wide range of locations with the involvement of different sectors and stakeholders.

Investment Framework for Haze-Free Sustainable Land Management in Southeast Asia

To address the challenge, ASEAN is in the process to develop the Investment Framework for Haze-Free Sustainable Land Management.

The investment framework will help build multi-stakeholder partnerships and enhance the availability of resources to stop large scale burning of forests, peatland and agricultural residue by establishing socially and economically viable alternatives. The initial target is to leverage USD 1.5 billion in funding up till 2030.

Focal Areas for Investment Framework

The following are five focal areas for action:

1. **Enforce zero burning** throughout commodity supply chains and generate value added through circular economy.
2. **Empower local farmers and communities to adopt sustainable agricultural practices** that better prevent forest and land fires incidents, while develop options for alternative livelihoods including to turn agriculture waste into green products.
3. **Protect and restore forests and peatlands as direct measures to slash global GHG emissions**, while conserve the planet's biodiversity to stem further extinction of vulnerable species.
4. **Mobilise resources and enhance resource availability, and build meaningful partnerships to translate project ideas into actual and tangible outcomes** through a better understanding of the opportunities and challenges in the local context.
5. **Strengthen national and regional capacity to adopt an integrated fire management** to predict, prevent, monitor and control incidents of forest and land fires, while supporting communities in fire-related recovery.

Transboundary haze challenges in ASEAN can be better addressed by a **higher level of commitments and investment from all stakeholders.**

H.E. Ekkaphab Phanthavong
ASEAN Socio-Cultural Community,
ASEAN Secretariat
January 2022.



Global Environment Centre



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LEARN FROM OUR EXPERIENCES



SCAN THIS QR CODE FOR
FREE ACCESS TO PEATLAND &
CLIMATE CHANGE E-MATERIALS



FOR MORE INFO, EMAIL:

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8 NOV 2022 (TUE) 2:30PM (UTC+2)

Financing and Investment for Haze-Free Sustainable Land Management in ASEAN

10 NOV 2022 (THU) 2:30PM (UTC+2)

Multi-Stakeholder Partnerships for Sustainable Peatland Management to Address Climate Change in Malaysia

AKHENATEN

14 NOV 2022 (MON) 4:45PM (UTC+2)

Enhancing Climate Action through Peatlands

GEC'S EXHIBITION BOOTH # 23

14-15 NOV 2022 (MON & TUE)

For details: <http://www.gec.org.my/>

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Contact us:

fparish@gec.org.my (Faizal Parish)

serena@gec.org.my (Serena Lew)

adelaine@gec.org.my (Adelaine Tan)

Building Partnerships for the Environment
TOGETHER, WE ACHIEVE MORE

THANK YOU FOR JOINING US



SIDE EVENT

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