Mapping and Monitoring Peatland Ecosystems in ASEAN

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Global Environment Centre

Celebrating 20 YEARS Global Environment Centre of Partnership for the Environment

IFAD Investing in rural people

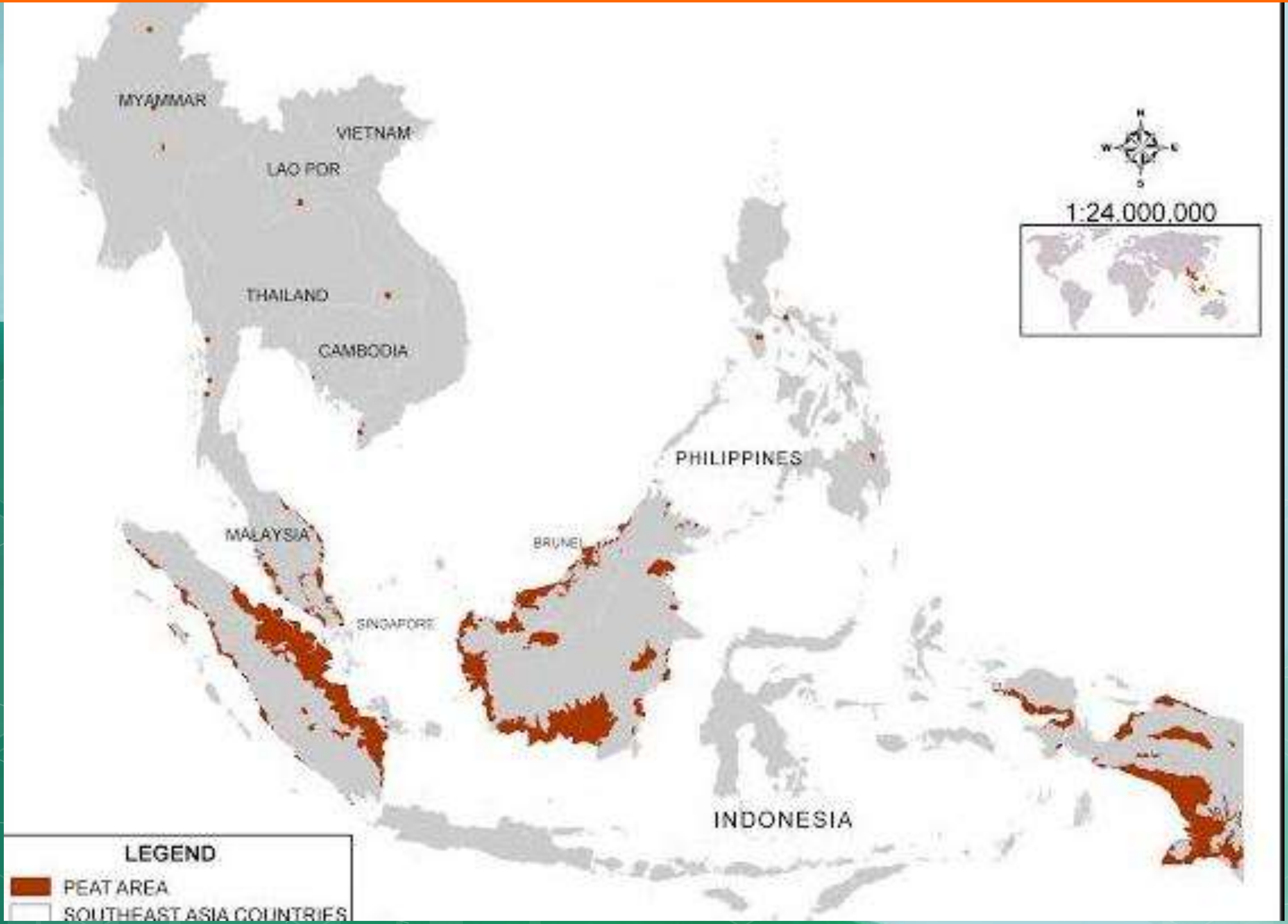
Avoiding loss of high-carbon soils through peatland mapping and monitoring for climate action

COP Side event
Room1
IFEMA - Feria de Madrid
Monday 2 December 2019

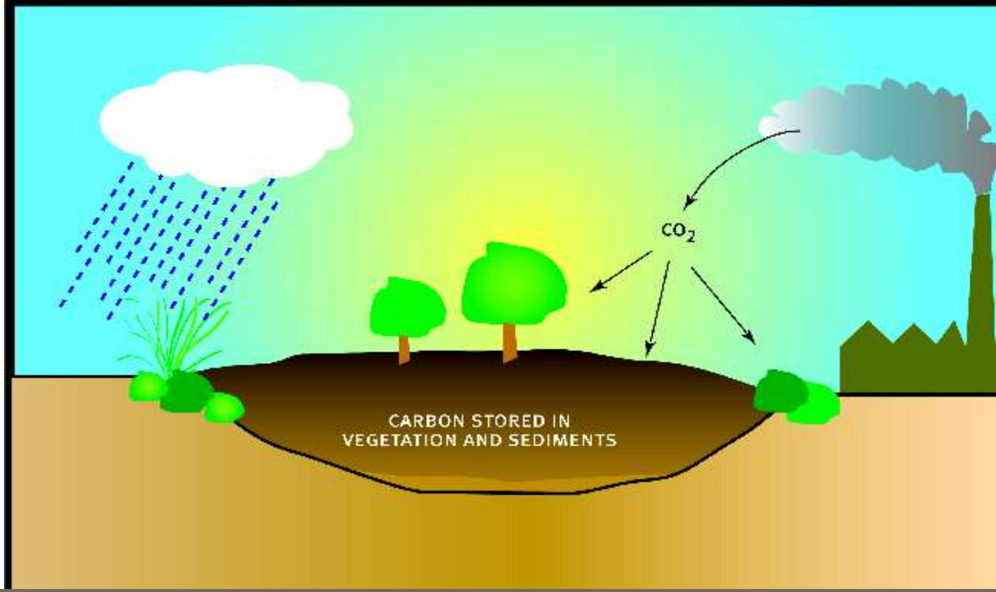
Outline

- Peatlands of Southeast Asia
- ASEAN Peatland Management Strategy 2006-2020
- Peatland assessments
- Fire prone peatland mapping

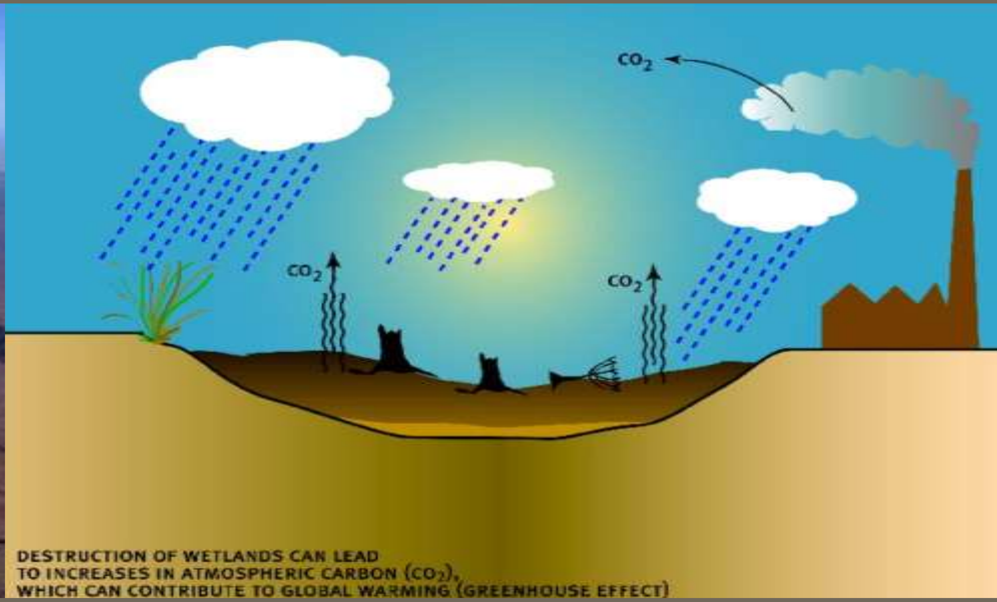
24 million ha Peatlands in ASEAN Region



Peatland carbon stocks



Peatland carbon stores: ASEAN: 70 billion tonnes (13% of global store)



Peatland Emissions: ASEAN: 1.5 billion tonnes CO2/yr (30-40% global)

Peatlands: Key for water storage and flood prevention

Conserving and Enhancing Biodiversity

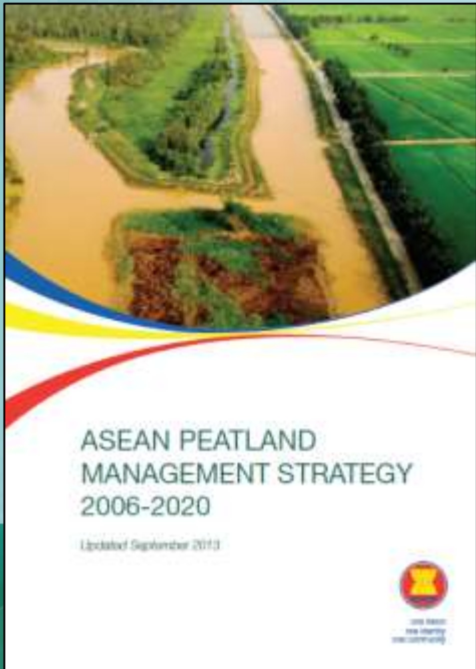
Feeding Peatland Communities

Photos: UNDP-GEF

Developing appropriate sustainable use and models

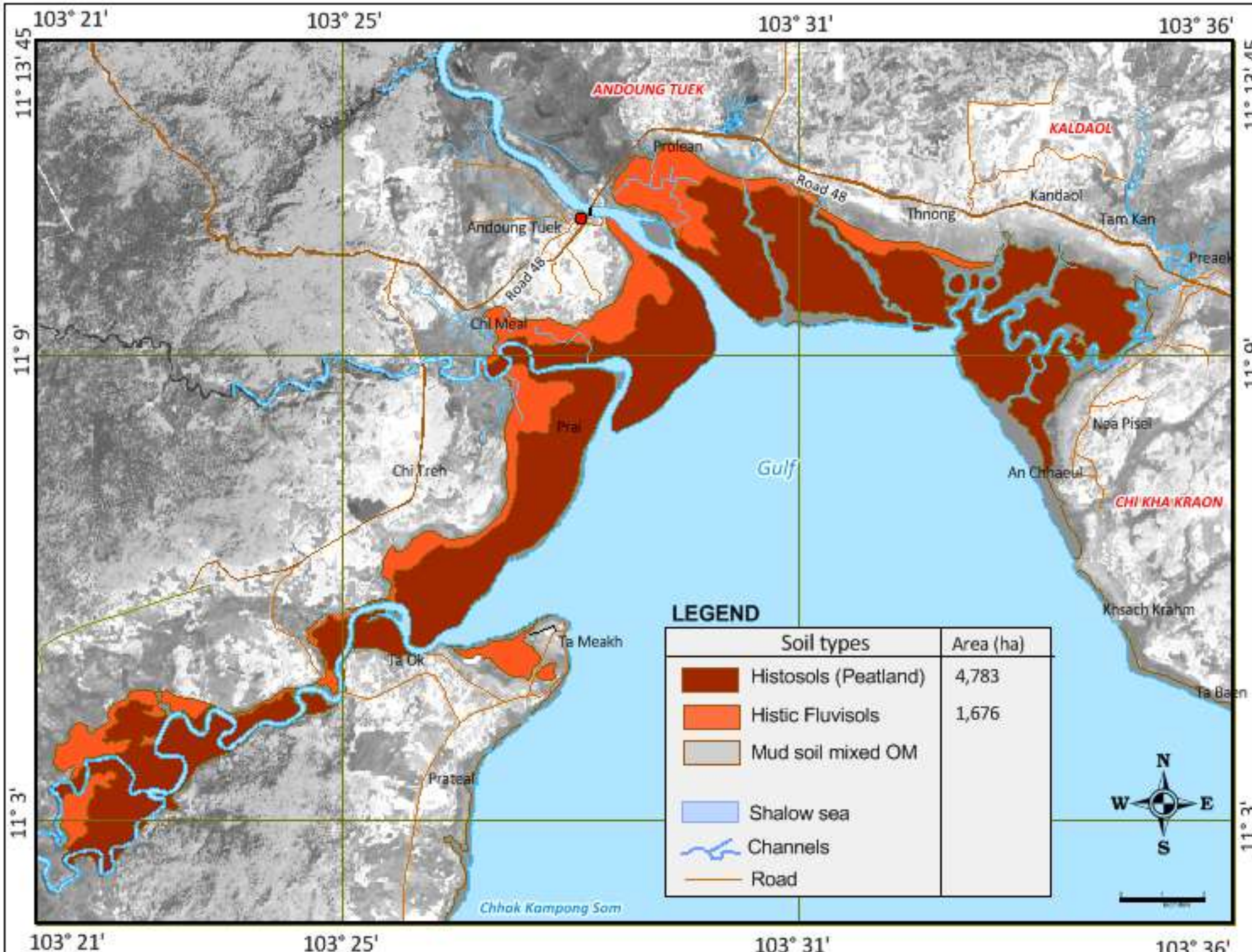
Peatland Mapping and Monitoring in ASE

- ASEAN Peatland Management Strategy 2006-2020 (APMS) – **critical framework for sustainability and fire prevention.**
- ASEAN Programme on Sustainable Management of Peatland Ecosystems (APSMPE) 2014-2020 Target 1: **All peatland areas identified and inventorized;**
- ASEAN Roadmap for Haze Free ASEAN 2016-2020 – **Strat 2** -**Key indicator – extent of peatlands affected by fire and fire prevention measures on peatlands;**




Source: APFP-SEApeat


Peatland distribution in Botum Sakor, Koah Kong Province, Cambodia



Apfp SEApeat

European Union

Global Environment Centre

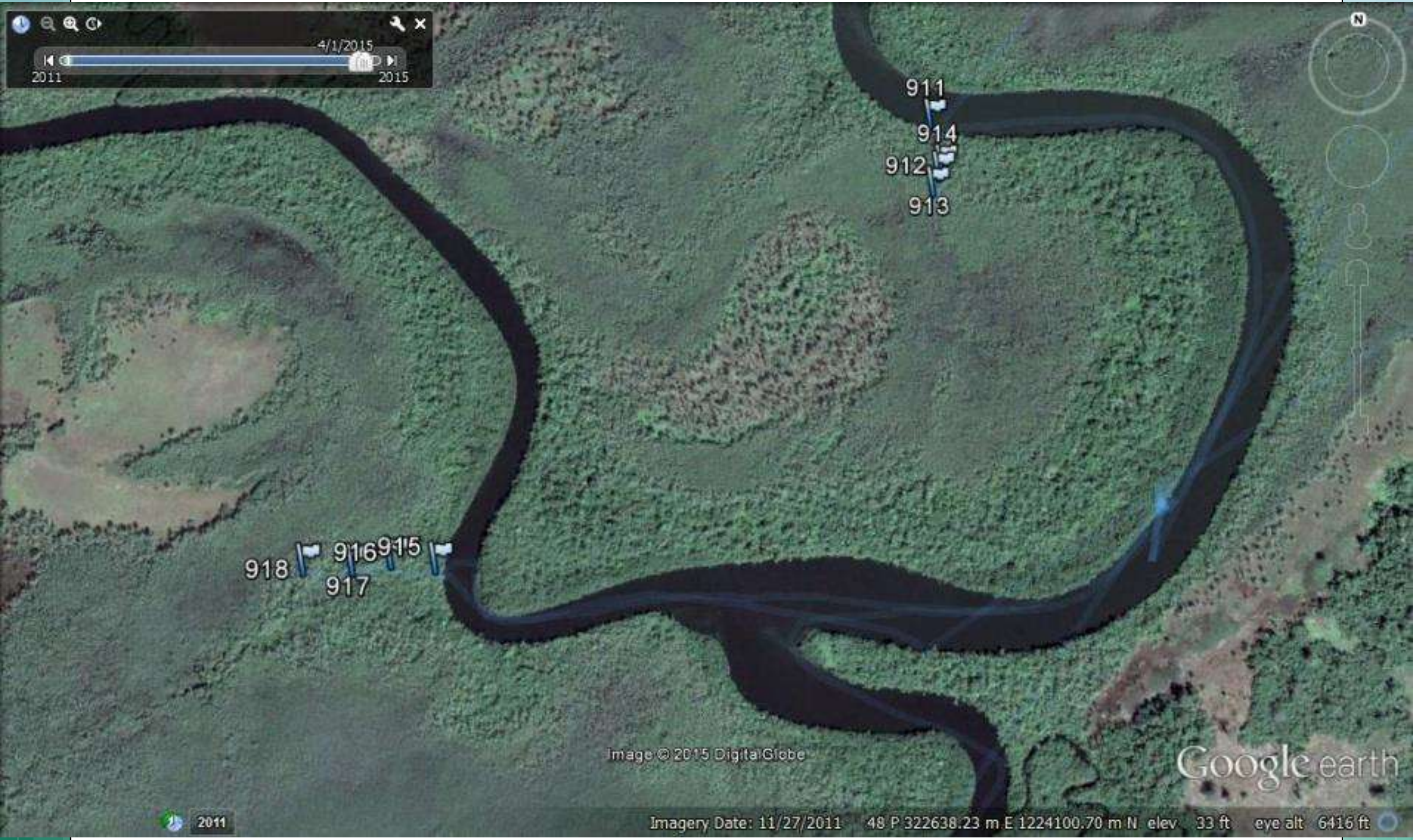

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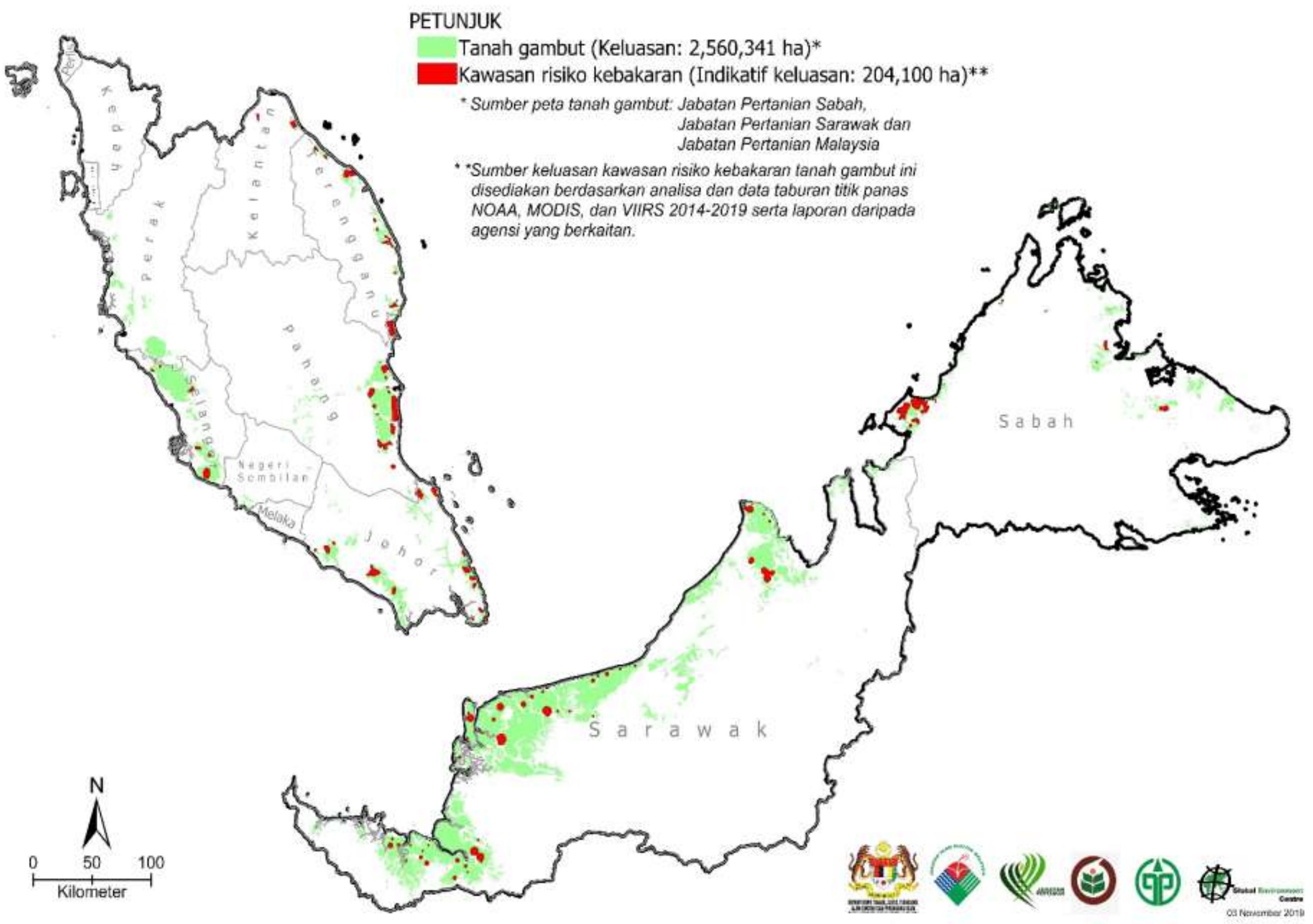
Image © 2015 DigitalGlobe
Google earth
2011
Imagery Date: 11/27/2011
48 P 322638.23 m E 1224100.70 m N elev 33 ft
eye alt 6416 ft

Mapping of Malaysian Fire-Prone Peatlands

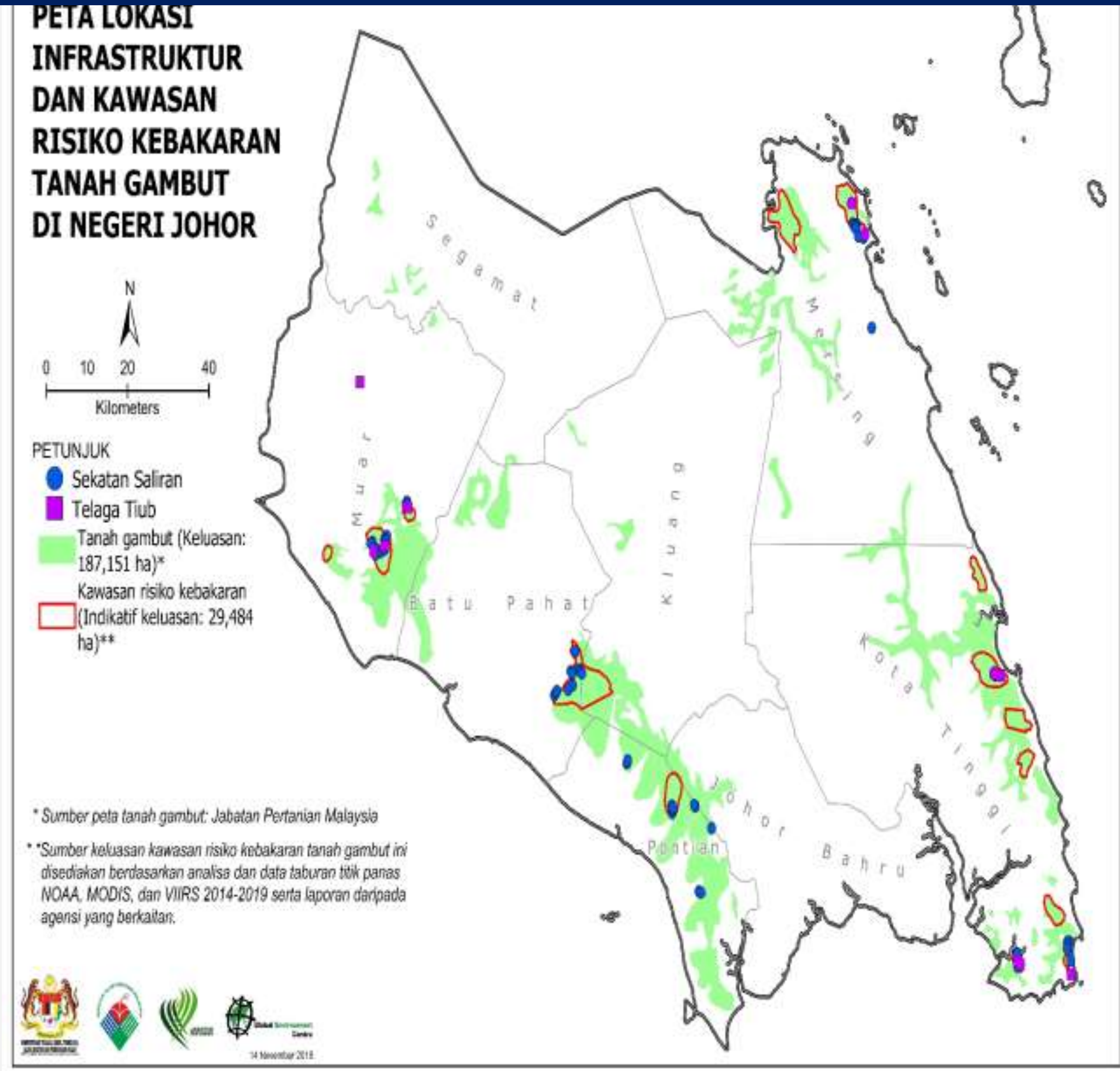
Hutan Simpan Raja

Fire prone peatland mapping



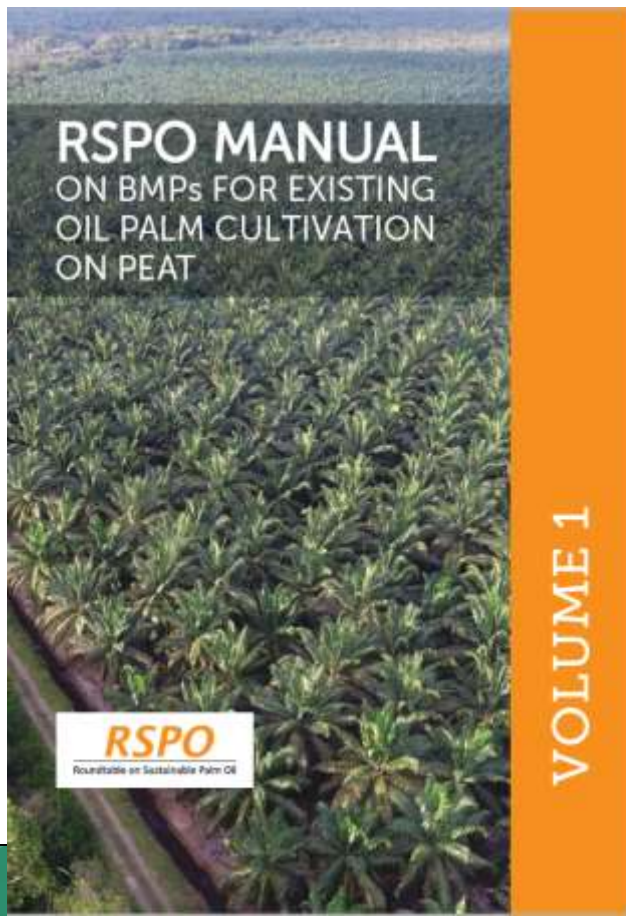
State level maps

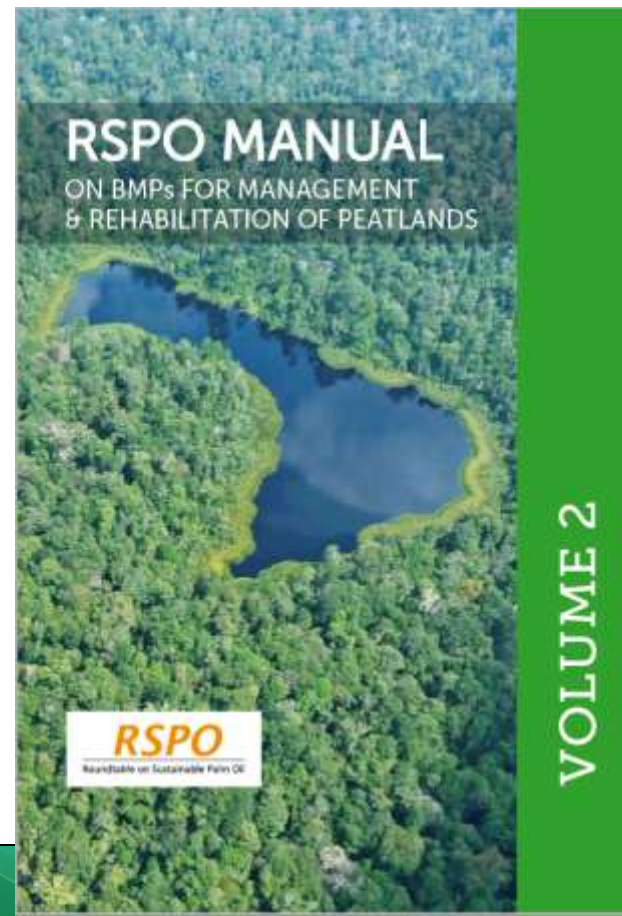
terbakar mengikut daerah dan negeri (gabungan sumber JAS, JBPM, soal selidik, tinjauan lapangan dan keratan akhbar Jan – Sept 2019	
DAERAH	**LOKASI**
Batu Pahat	Jalan Parit Semo
	Kampung Parit Sonto
	Kampung Parit Raja
Kota Tinggi	Hutan Tanjung Punggai
	Kampung Lepau, Pengerang
	Kampung Gembut
	Ladang IBZI
	Pantai timur
Mersing	Parit 9,Air Papan
	Penyabong, Jalan Selat Tebrau
	Simpang Tanjung Resang Jalan Mersing, Endau
Muar	Bukit Bakri
	Hutan Simpan Ayer Itam Utara
	Parit Jono, Ayer Itam
Pontian	Ladang Nenas FIMA, Ayer Baloi



RSPO Peatland inventory and mangeme

- **No More conversion of peatlands for Palm oil**
- **Conservation of all remaining peatland land banks**
- **Phase out based on drainability assessments**
- **Inventory of all peatlands**





Future programmes

- Measurable Action For Haze Free Sustainable land management in Southeast Asia (MAHFSA) 2019-2024 – Results management, Knowledge exchange and policy –IFAD-ASEAN – CIFOR -GEC
- Sustainable Management of Peatland Ecosystems in Malaysia 2020-2023(SMPEM) – IFAD-GEF – GOM.
- Sustainable Management of Peatland Mekong Peatlands 2019-2023 IUCN – GEF - Govt


Thank you