

Internal Hotspot Monitoring Weekly Report for 2021

OCT2021_WK01

04 October– 10 October 2021 | Malaysia &
Indonesia



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2018 P&C - Related Criteria

There is **no use of fire for pest control** unless in exceptional circumstances

7.1.3

Criteria 7.1

The unit of certification **does not use open fire for waste disposal.**

7.3.3

Criteria 7.3

The unit of certification **establishes fire prevention and control measures** for the areas directly managed by the unit of certification

7.11.2

Criteria 7.11



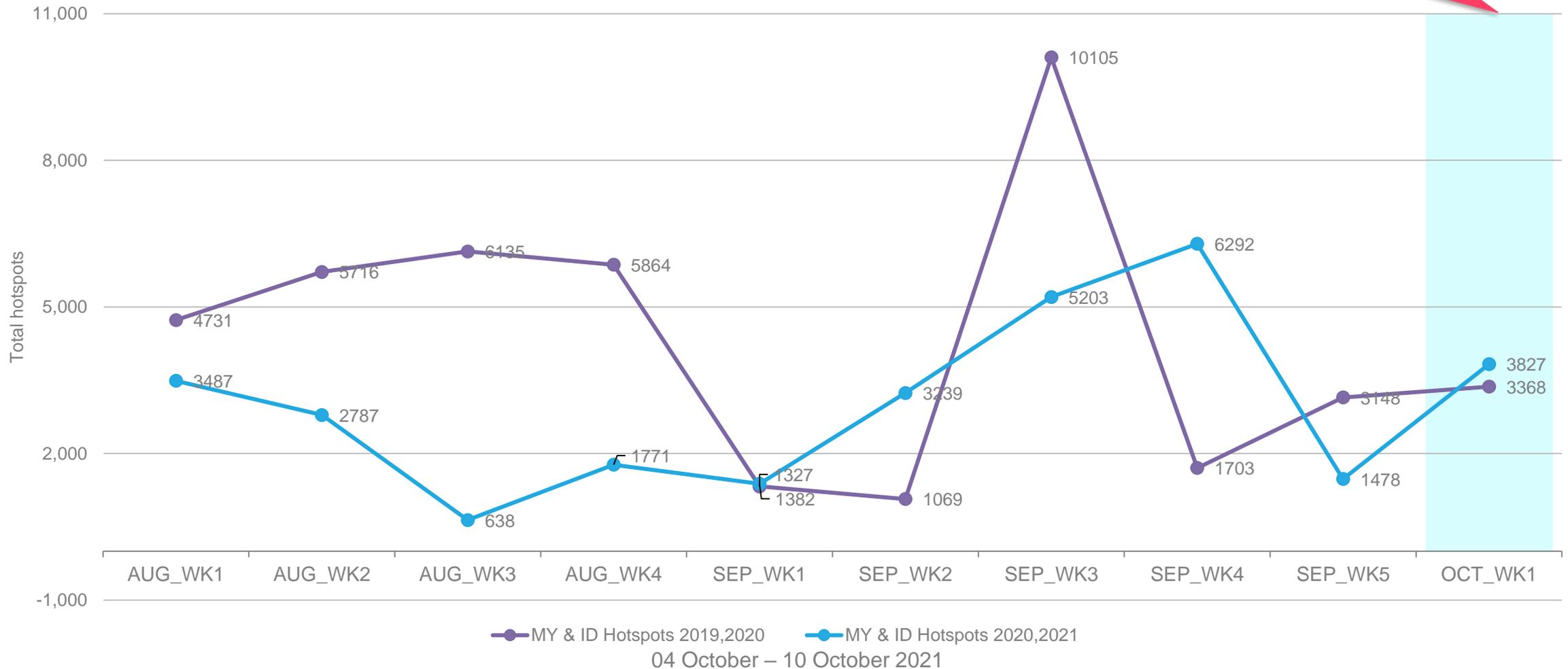
Weekly Analysis

Comparison to 2020 trend
Comparison to previous 10 weeks

Comparison to 2020: All hotspots



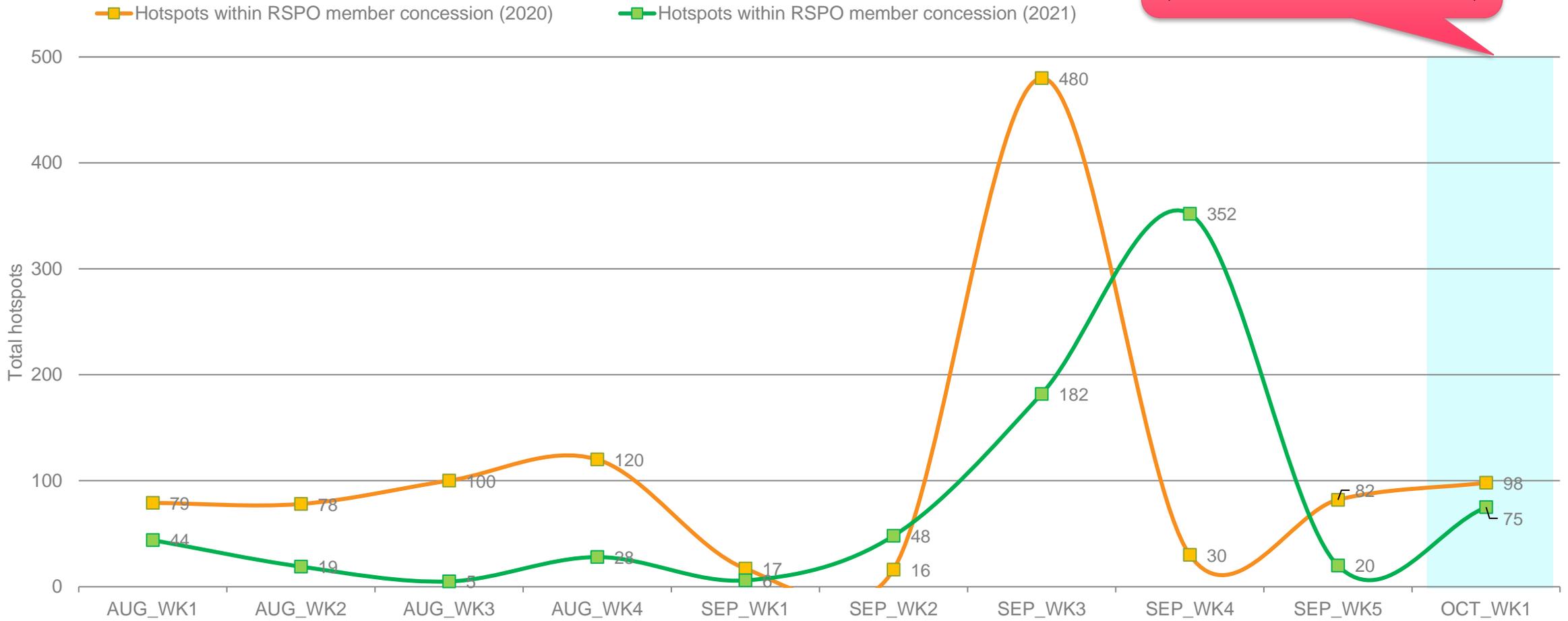
Slightly higher total hotspot in the region compared to this time last year (October: 1st week 2021 vs 2020)



Comparison to 2020: Hotspot within RSPO Member Concession



Lower total hotspot in the region compared to this time last year (October: 1st week 2021 vs 2020)

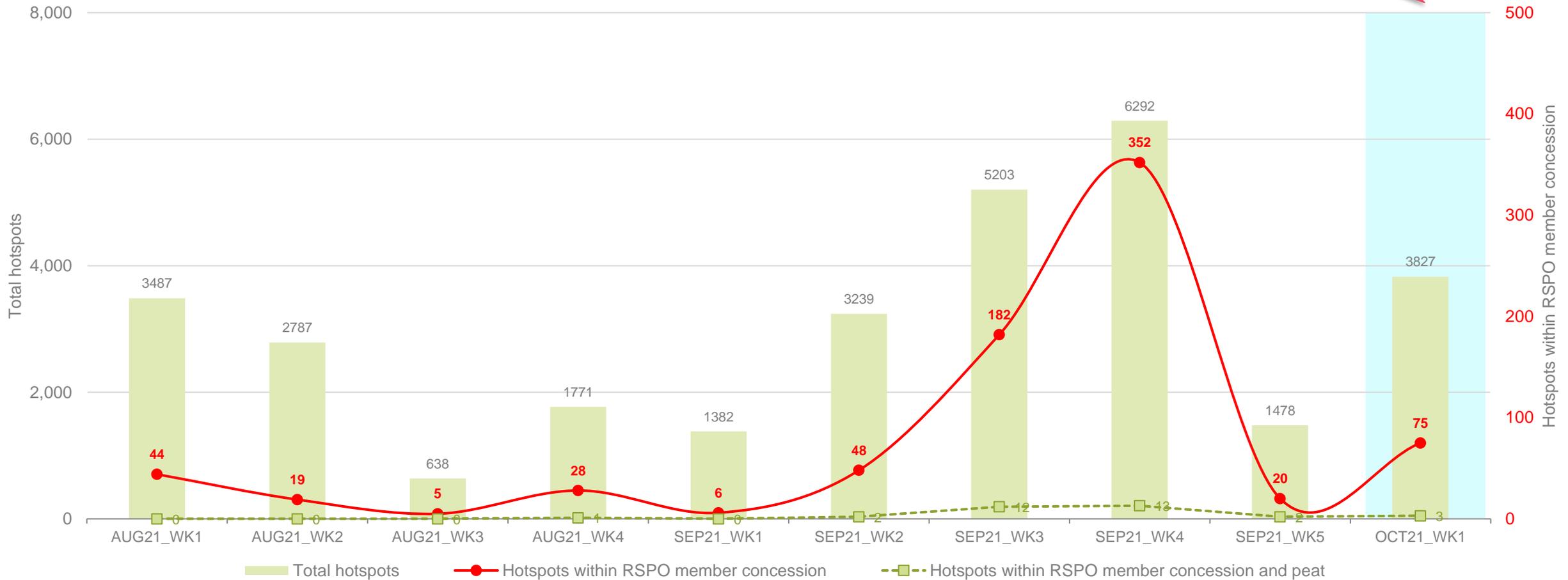


04 October – 10 October 2021

Weekly trend from last 10 weeks



Higher in hotspot count



04 October – 10 October 2021



Weekly Hotspot Map

Malaysia & Indonesia
(Sumatera & Kalimantan) Region

04 October – 10 October 2021

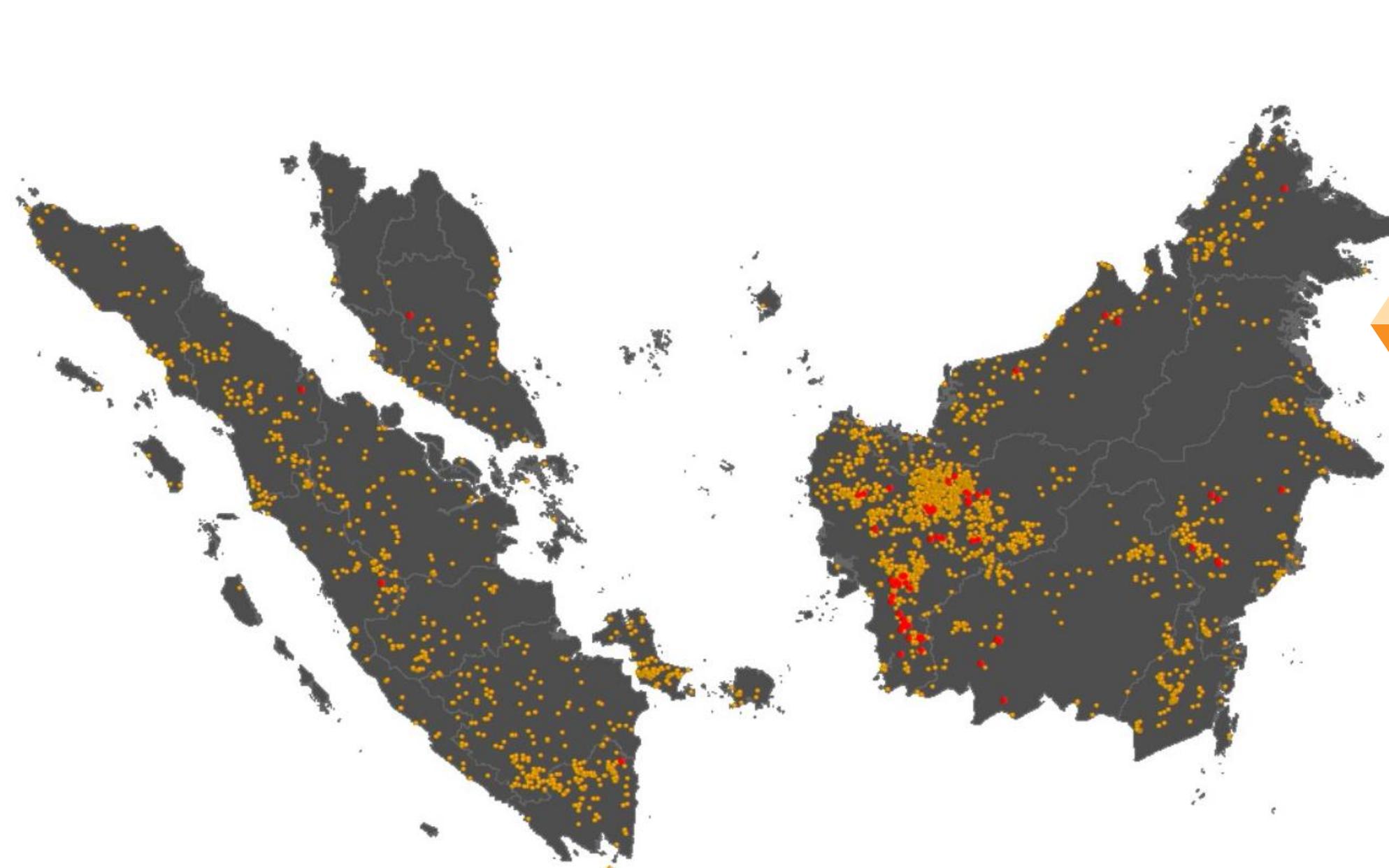


Hotspot Tabulation Map

Legend:

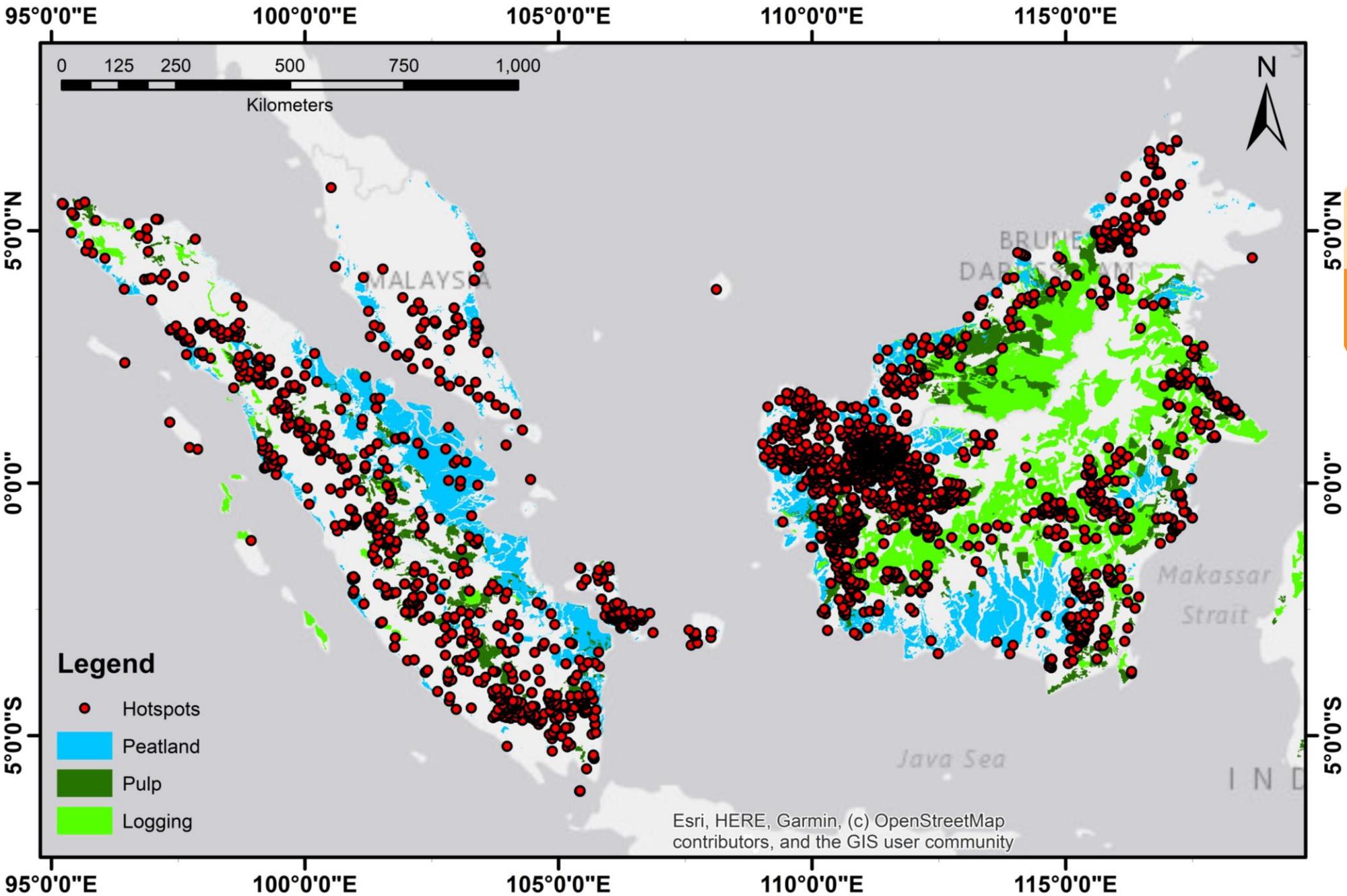
	Hotspot within RSPO member concession
	Hotspot detected by satellite sensor

04 October – 10 October 2021





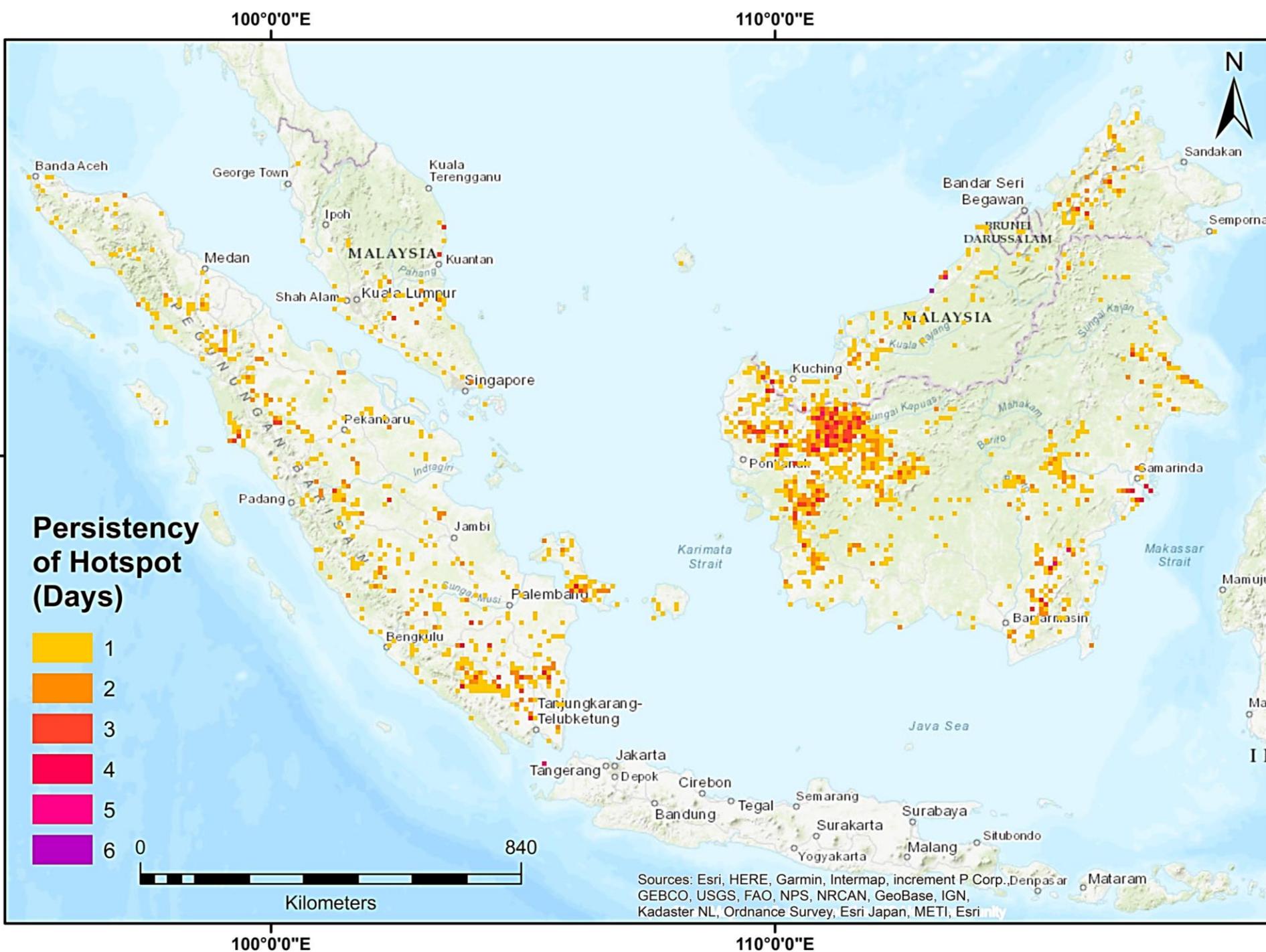
Hotspot Distribution by Peatland & Landuse Map



DATA	SOURCE
Peatland	Kesatuan Hidrologis Gambut
Non RSPO Oil Palm boundary	WRI & Greenpeace (https://data.globalforestwatch.org)
Timber Concession boundary	WRI (https://data.globalforestwatch.org)



Hotspot Persistency Map



Each grid represents the number of days hotspots were detected within the 10km X 10km grid between 04 October – 10 October 2021

04 October – 10 October 2021

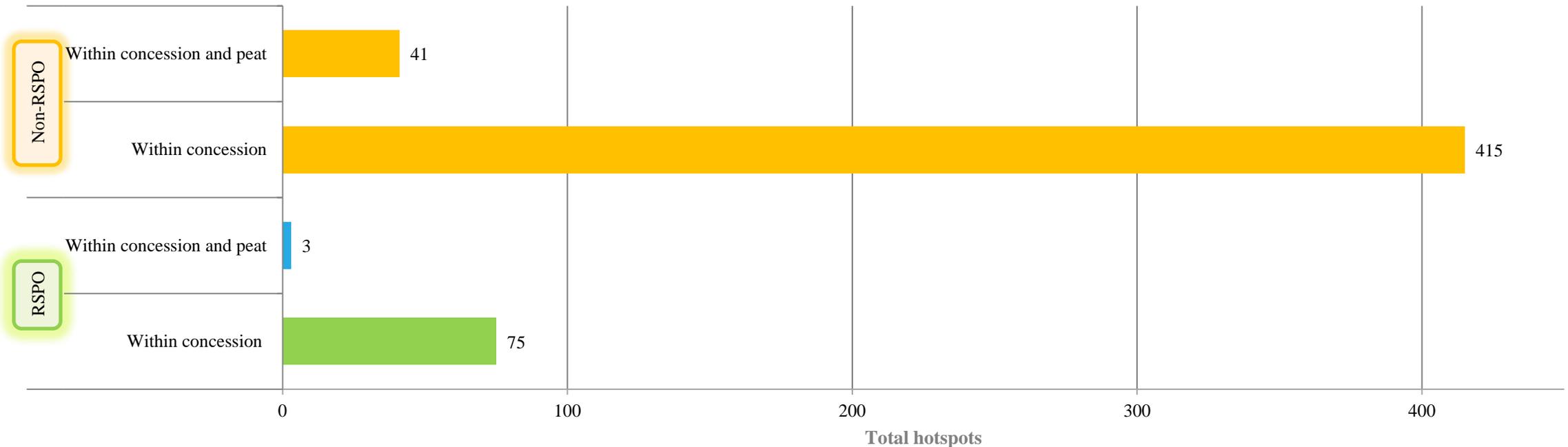


OCT2021_WK01 Hotspot

**Malaysia & Indonesia
(Sumatera & Kalimantan) Region**

04 October – 10 October 2021

RSPO vs non-RSPO comparison



* Non RSPO Oil Palm Concession location data was derived from data downloaded from the Greenpeace website (<http://www.greenpeace.org/seasia/id/Global/seasia/Indonesia/Code/Forest-Map/en/data.html>).

The website states that these data was "compiled by Greenpeace (2015) based on agriculture plantations maps, provided by the Planning Department of the Ministry of Forestry, Indonesia, downloaded on July 29 2010 (appgis.dephut.go.id/appgis/kml.aspx), supplemented and updated by Greenpeace in several provinces with data gathered from provincial agencies (BPN/BAPPEDA) and corporate submissions, such as to the Roundtable on Sustainable Oil Palm (RSPO)."

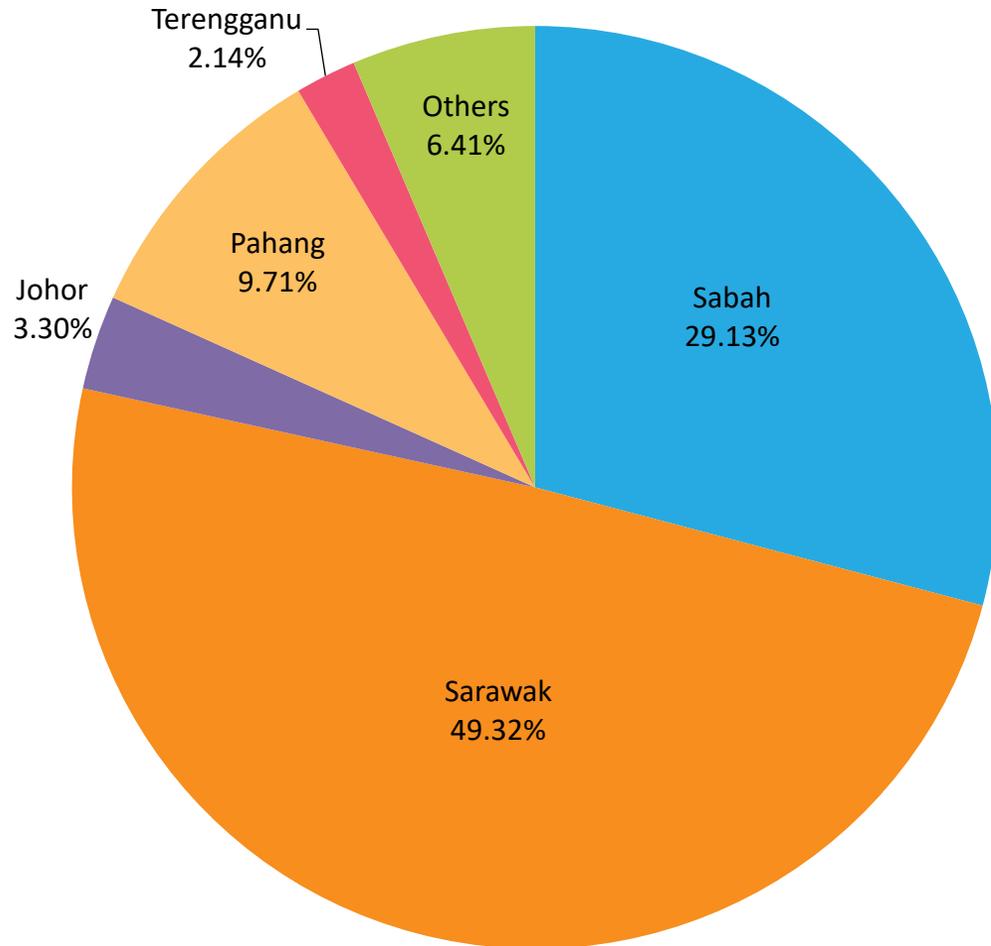
As such the data probably overstates the extent of oil palm plantations in some cases, as there are many licenses granted and the oil palm plantation has not been developed. In other cases, it may understate the extent of plantations as it does not take into account smallholders. Nevertheless, this appears to be the best data available of ALL oil palm in Indonesia.

The RSPO concession boundary data was overlaid with this data in the GIS and RSPO concessions were "clipped" out of this data, leaving only "non-RSPO" concessions.

Non-RSPO*: ~19,000,000 ha

RSPO: ~ 2,300,000 ha

Distribution of Hotspots by State in Malaysia

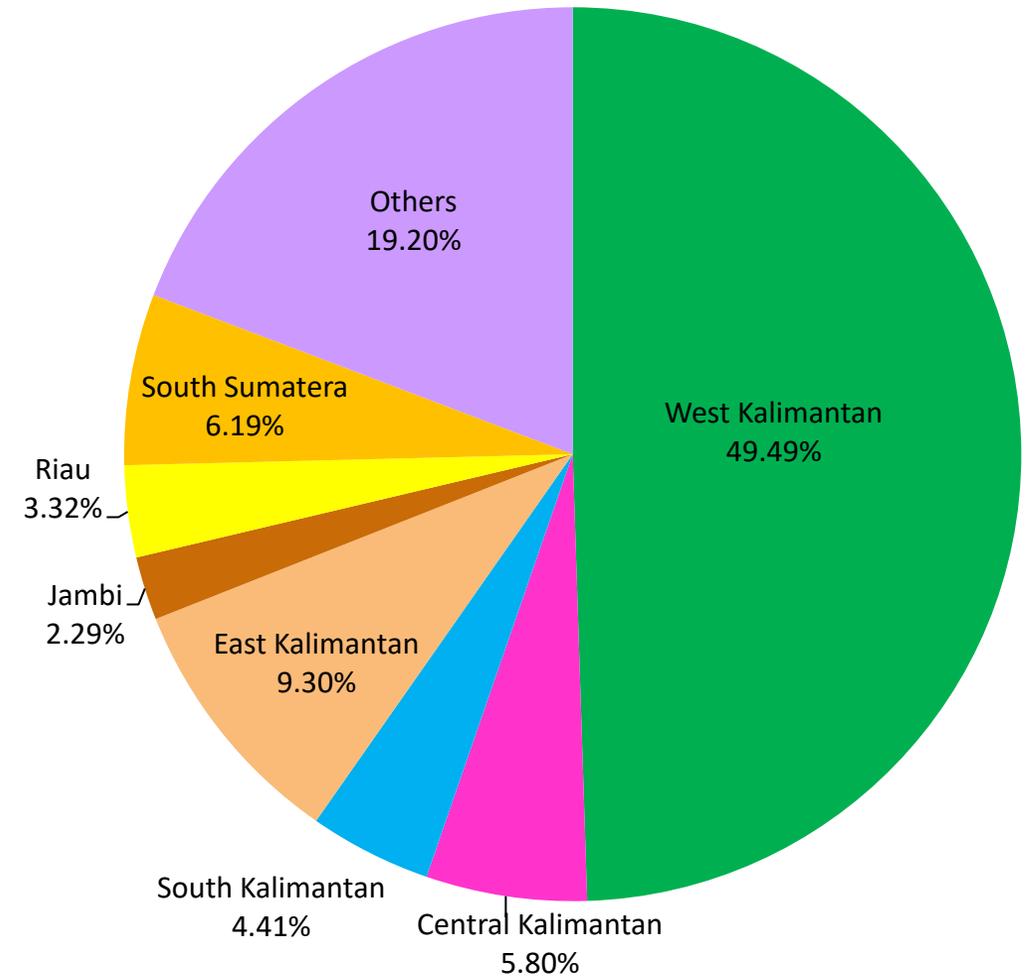


State	Total
Sabah	150
Sarawak	254
Johor	17
Pahang	50
Terengganu	11
Others	33
Total	515

Distribution of Hotspots by Region in Indonesia



Region	Total
West Kalimantan	1639
Central Kalimantan	192
South Kalimantan	146
East Kalimantan	308
Jambi	76
Riau	110
South Sumatera	205
Others	636
Total	3,312



Hotspots in RSPO members



Group Name	Region/State	Country	No. of Hotspots
Bumitama Agri Limited	West Kalimantan	Indonesia	5
FELDA Global Ventures Holdings Berhad	Pahang & Sarawak	Malaysia	3
First Resources Limited	West & East Kalimantan	Indonesia	9
Genting Plantations Nusantara	West & Central Kalimantan	Indonesia	5
Global Palm Resource Holding Ltd.	West Kalimantan	Indonesia	2
Golden Agri-Resources Ltd	West, Central Sumatera, Ketapang & Lampung	Indonesia	13
Goodhope Asia Holdings	West Kalimantan	Indonesia	6
IOI Corporation Bhd	Sabah & Pahang	Malaysia	2
Kwantas Corporation Berhad	Sarawak	Malaysia	1
Musim Mas Holdings	West Kalimantan	Indonesia	5
PT Dharma Satya Nusantara	West Kalimantan	Indonesia	3
PT Eagle High Plantations Tbk	West Kalimantan, West Sumatra	Indonesia	2
PT Inti Indosawit Subur	North Sumatra	Indonesia	1
PT Parna Agromas	West Kalimantan	Indonesia	8
PT Triputra Agro Persada	Central Kalimantan	Indonesia	1
REA Holdings Plc.	East Kalimantan	Indonesia	2
TDM Plantation Sdn Bhd	West Kalimantan	Indonesia	2
TSH Resources Berhad	Sarawak	Indonesia	3
Wilmar International Limited	West Kalimantan	Indonesia	2
Total Hotspots:			75

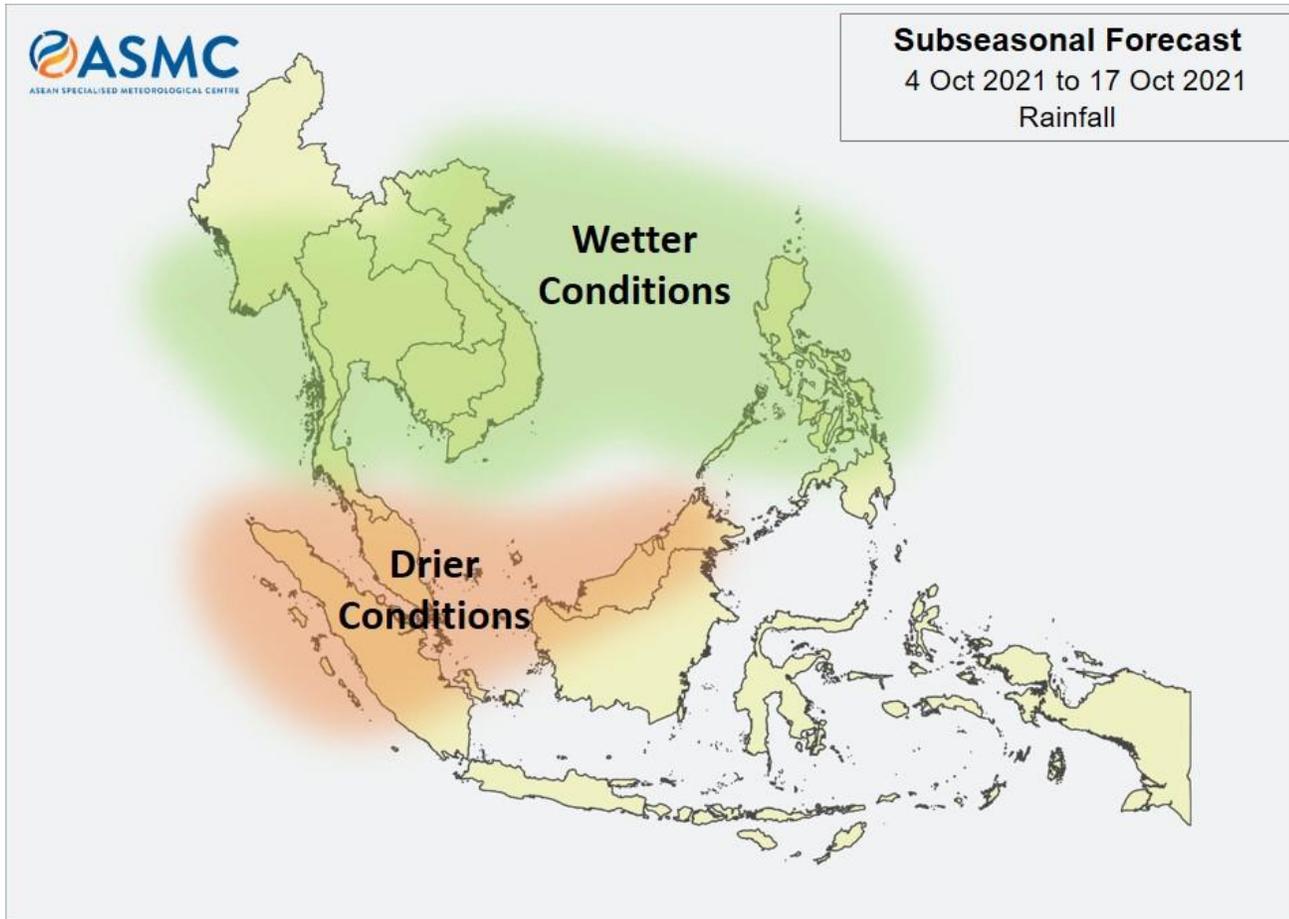


ASEAN Weather Outlook

Source: The ASEAN Specialised Meteorological Centre

04 October – 10 October 2021

Regional Weather & Haze Outlook



Alert Level

- LEVEL 0** Stay vigilant.
- LEVEL 1** Dry season for the southern ASEAN region.
- LEVEL 2** Exceeding 150 hotspots in 2 consecutive days in Northern ASEAN with dense smoke plumes; dry weather persisting; and prevailing winds blowing from the Mekong sub-region. Increasing risk of transboundary haze in the region.
- LEVEL 3** Exceeding 250 hotspots in 2 consecutive days with dense smoke plumes; dry weather persisting; and prevailing winds blowing towards ASEAN countries.

Wet weather is expected over most parts of the ASEAN region over the next few days except for Malaysia, Java, the Lesser Sunda Islands and the northern and central parts of Sumatra where drier conditions are forecast. While the overall hotspot situation in the region is expected to remain subdued, isolated hotspots with localized smoke plumes can still be expected in the drier areas. Therefore, the RSPO member in these areas should be cautious with increasing number of hotspots in the upcoming week

04 October – 10 October 2021

In Week 1 (4 – 10 October), wetter conditions were predicted over the Philippines, as well as southern and eastern Mainland Southeast Asia. Wetter conditions also expected over much of the northern ASEAN region in the fortnight (4 – 17 October). While drier conditions were expected over the western Maritime Continent and parts of Borneo in the fortnight. Furthermore, warmer than usual temperatures were predicted over much of the equatorial region in the fortnight, including the region where drier conditions are predicted.

Source: The ASEAN Specialised Meteorological Centre

Alert by RSPO



In the next two weeks the RSPO Secretariat recommends the following:

To Growers:

- **Please ensure at the operation area**
 - effective control of fire is tested and ideally to have fire drill
 - engage with the adjacent or neighboring stakeholders on fire prevention
 - for areas with peat, please check the moisture content

To Certification Bodies:

- **If audit is happening in the area, please focus on**
 - waste disposal management
 - to test the personnel on site in the unit of certification on fire policies (fire mitigation activities)
 - RSPO Manual on Best Management Practices (BMPs) application for existing oil palm cultivation on peat



Find out more at
www.rspo.org