

Internal Hotspot Monitoring Weekly Report for 2022

MAY2022_WK01

02 May 2022 – 08 May 2022
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

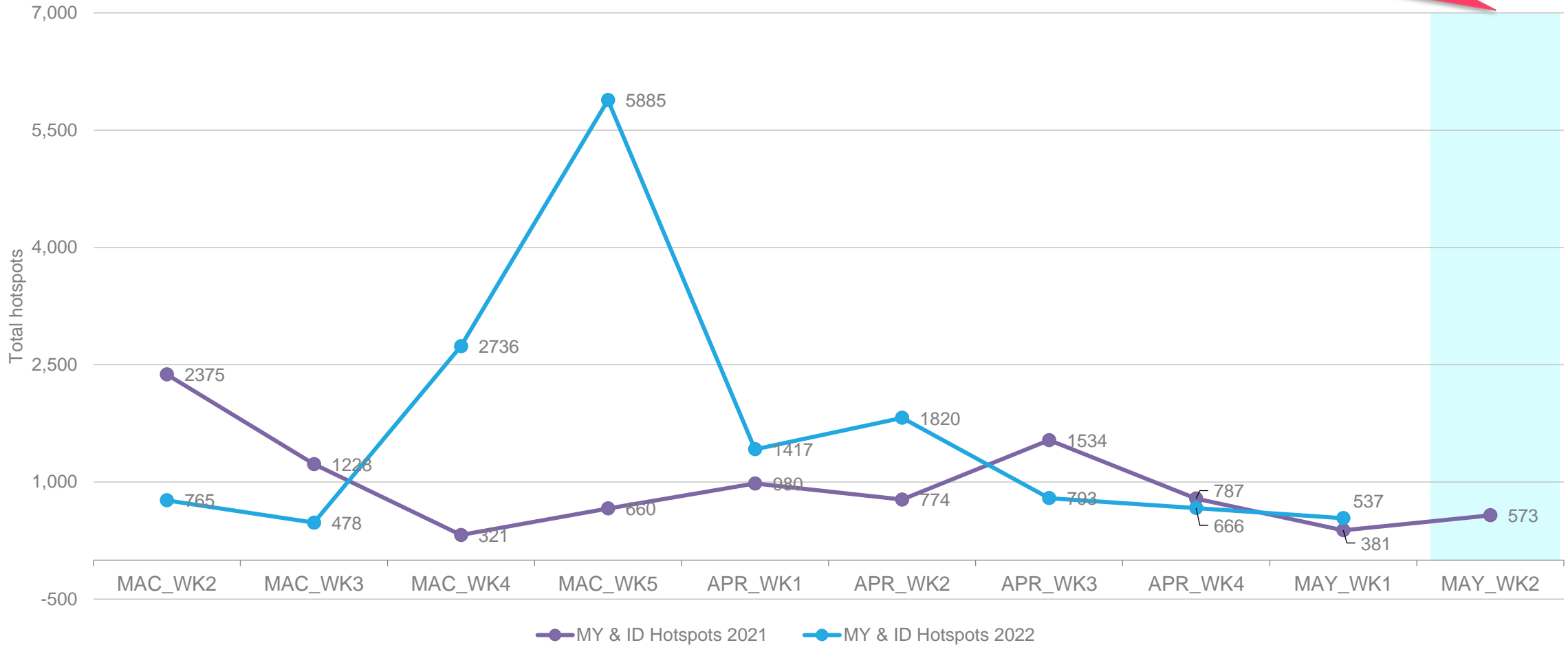
Comparison to 2021 trend
Comparison to previous 10 weeks

02 May 2022 – 08 May 2022

Comparison to 2021: All hotspots



The number of hotspots for next week (May 2022: 2nd week) is predicted to be **slightly higher** in the region as compared to 2021 hotspot trend

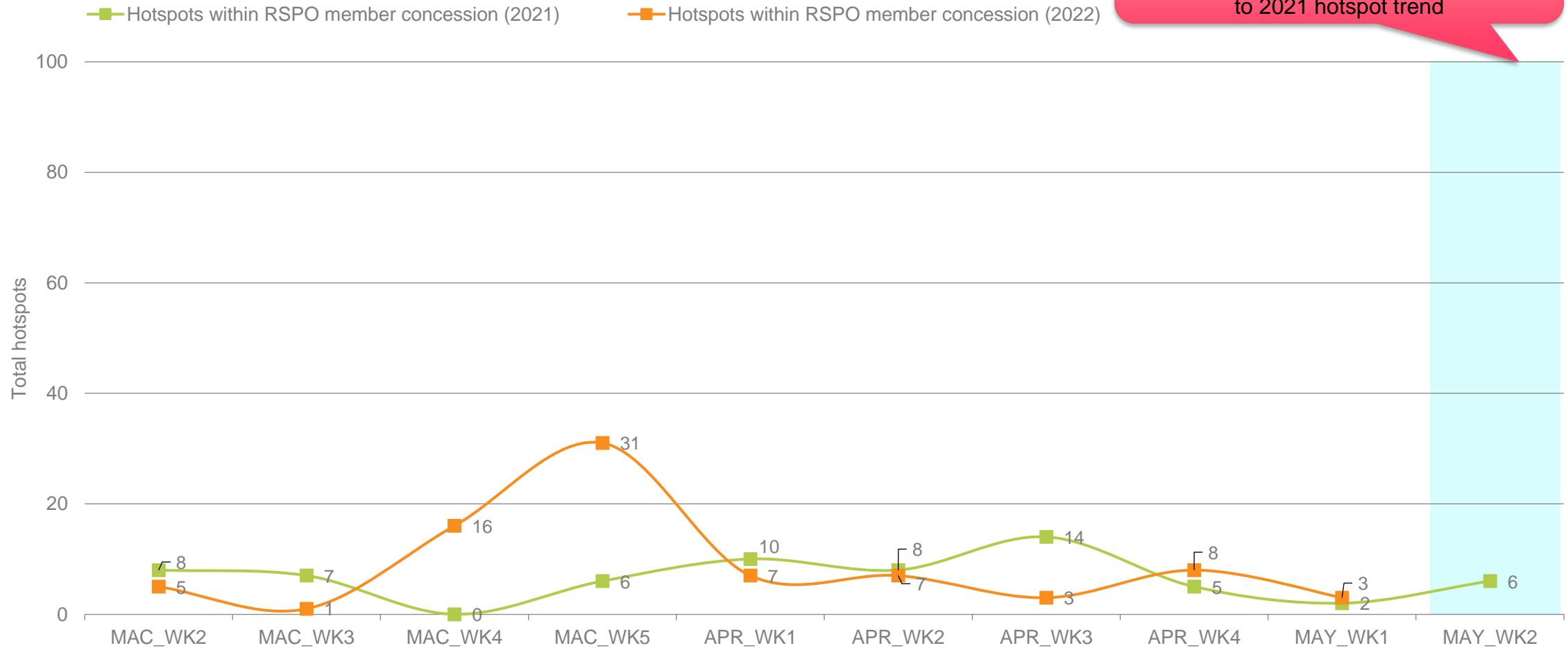


02 May 2022 – 08 May 2022

Comparison to 2021: Hotspot within RSPO Member Concession



The number of hotspots within RSPO member is expected to be **higher** for next week (May 2022: 2nd week) as compared to 2021 hotspot trend

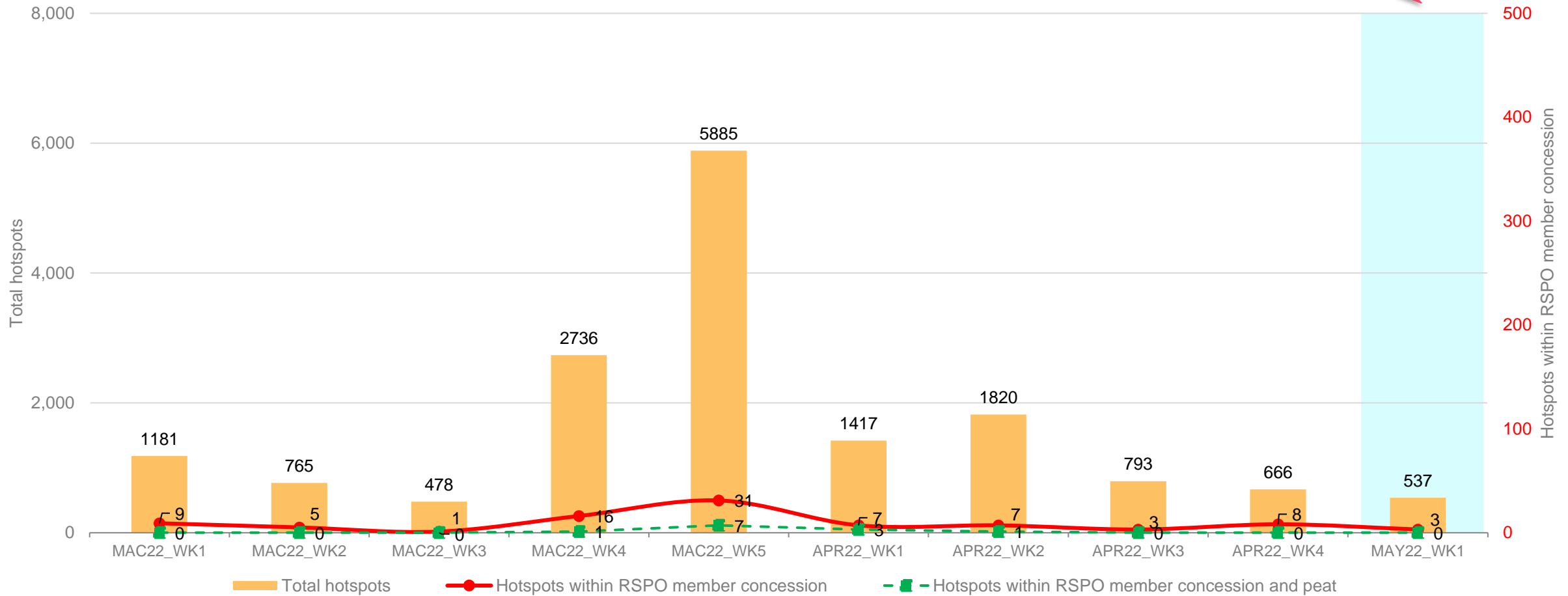


02 May 2022 – 08 May 2022

Weekly trend from last 10 weeks



Lower in hotspot count than previous week



02 May 2022 – 08 May 2022



Weekly Hotspot Map

Malaysia & Indonesia
(Sumatera & Kalimantan) Region



02 May 2022 – 08 May 2022



Hotspot Tabulation Map



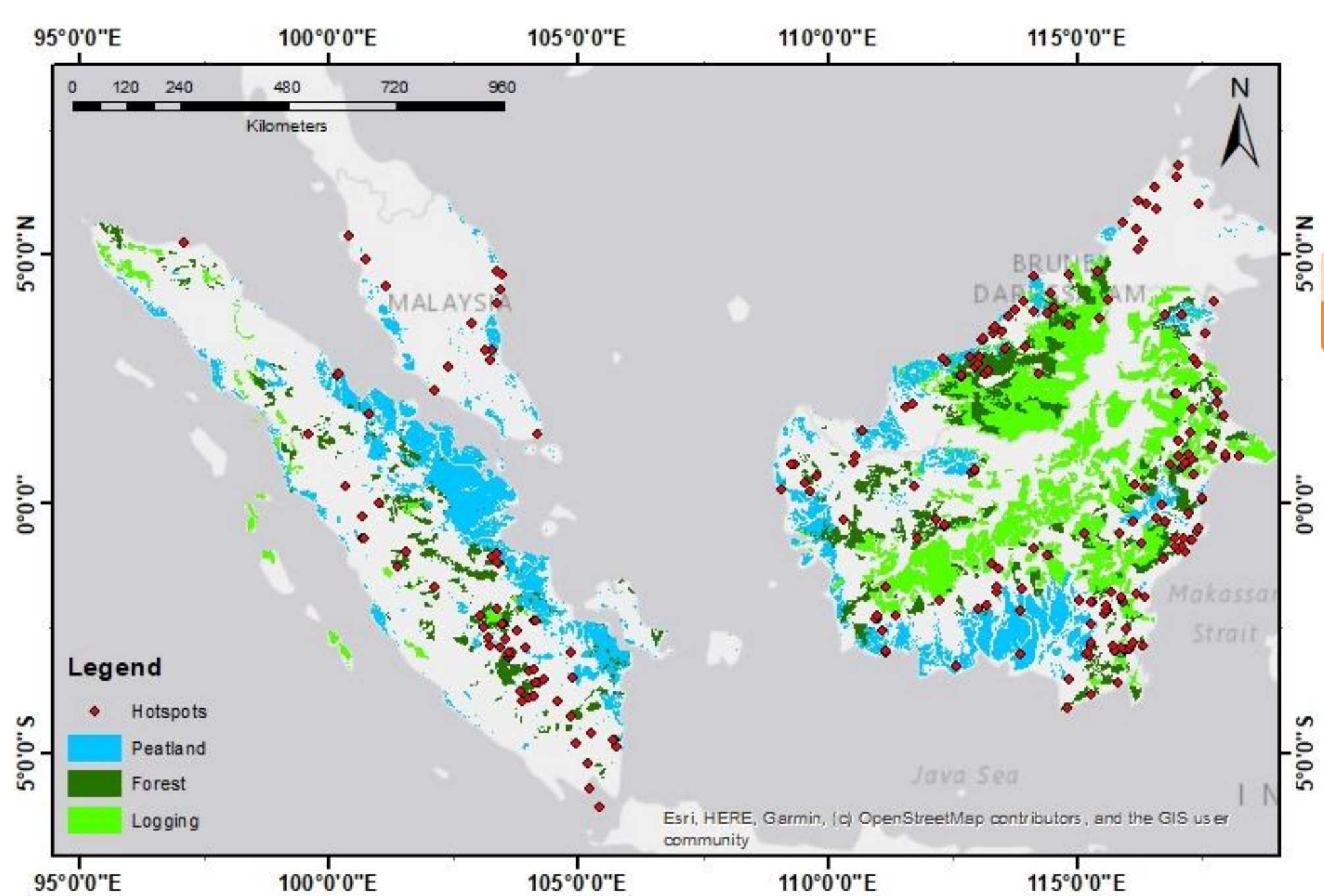
Legend:

	Hotspot within RSPO member concession
	Hotspot detected by satellite sensor

02 May 2022 – 08 May 2022



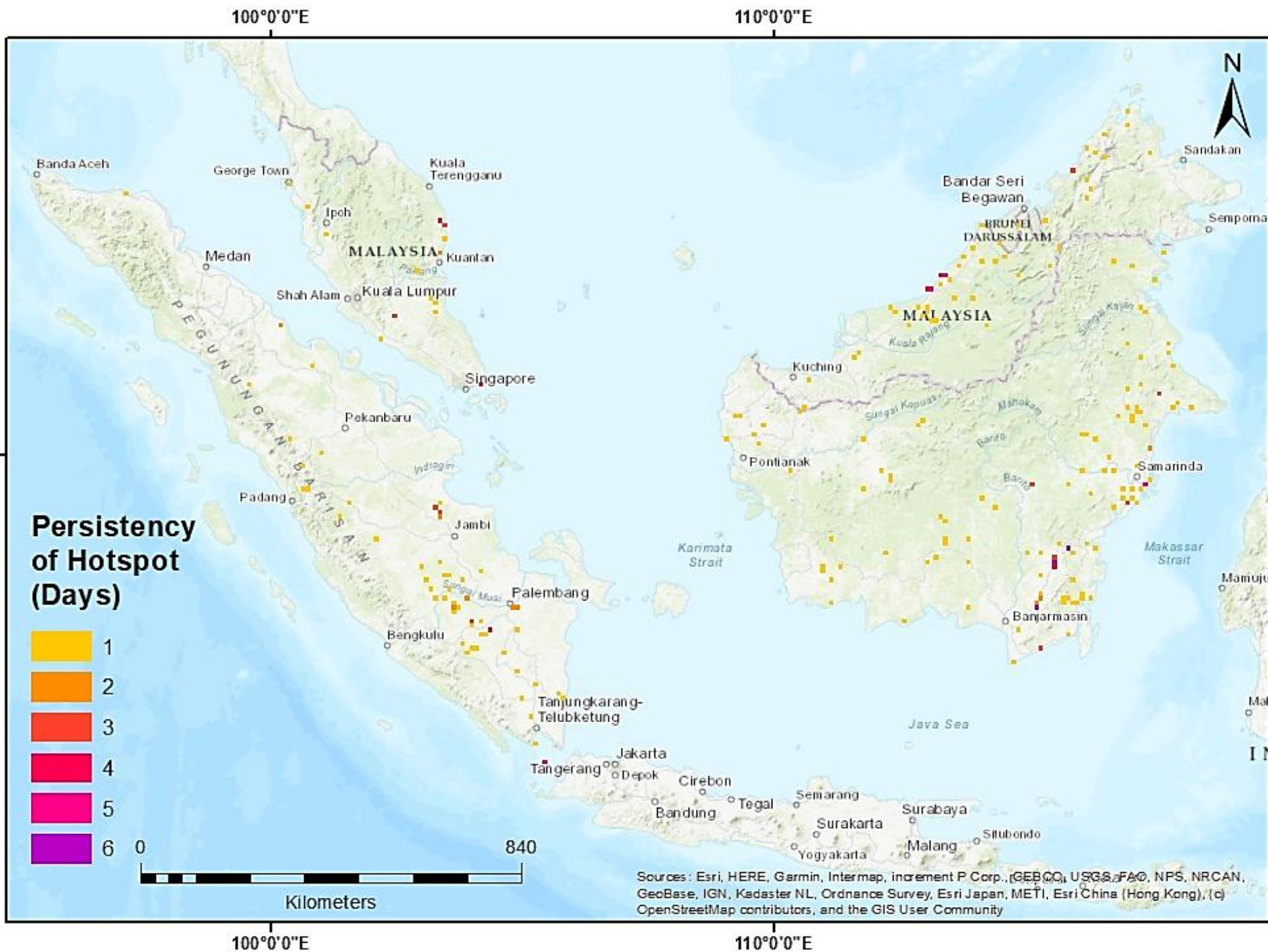
Hotspot Distribution by Peatland & Landuse Map



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 02 May 2022 – 08 May 2022

02 May 2022 – 08 May 2022

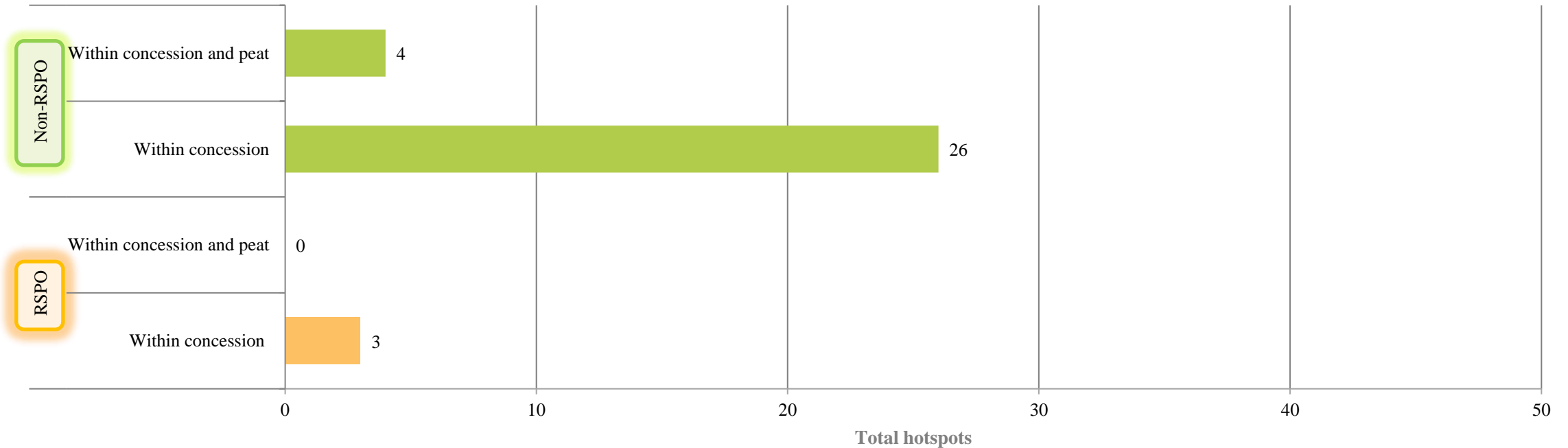


MAY2022_WK01 Hotspot

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

02 May 2022 – 08 May 2022

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 Palm Oil (RSPO)."

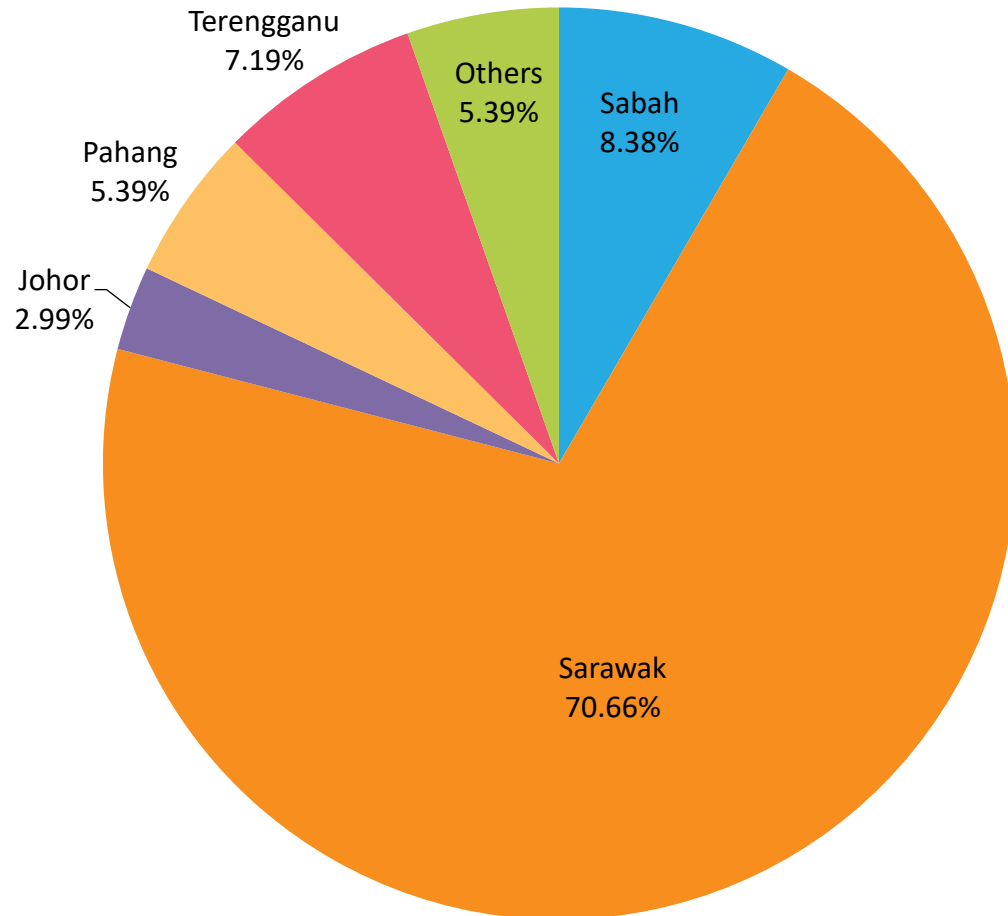
As such the data probably overstates the extent of oil palm plantations in some cases, as there are many licenses granted and the oil palm plantation has not been developed. In other cases, it may understate the extent of plantations as it does not take into account smallholders. Nevertheless, this appears 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: ~ 4,500,000 ha

Distribution of Hotspots by State in Malaysia

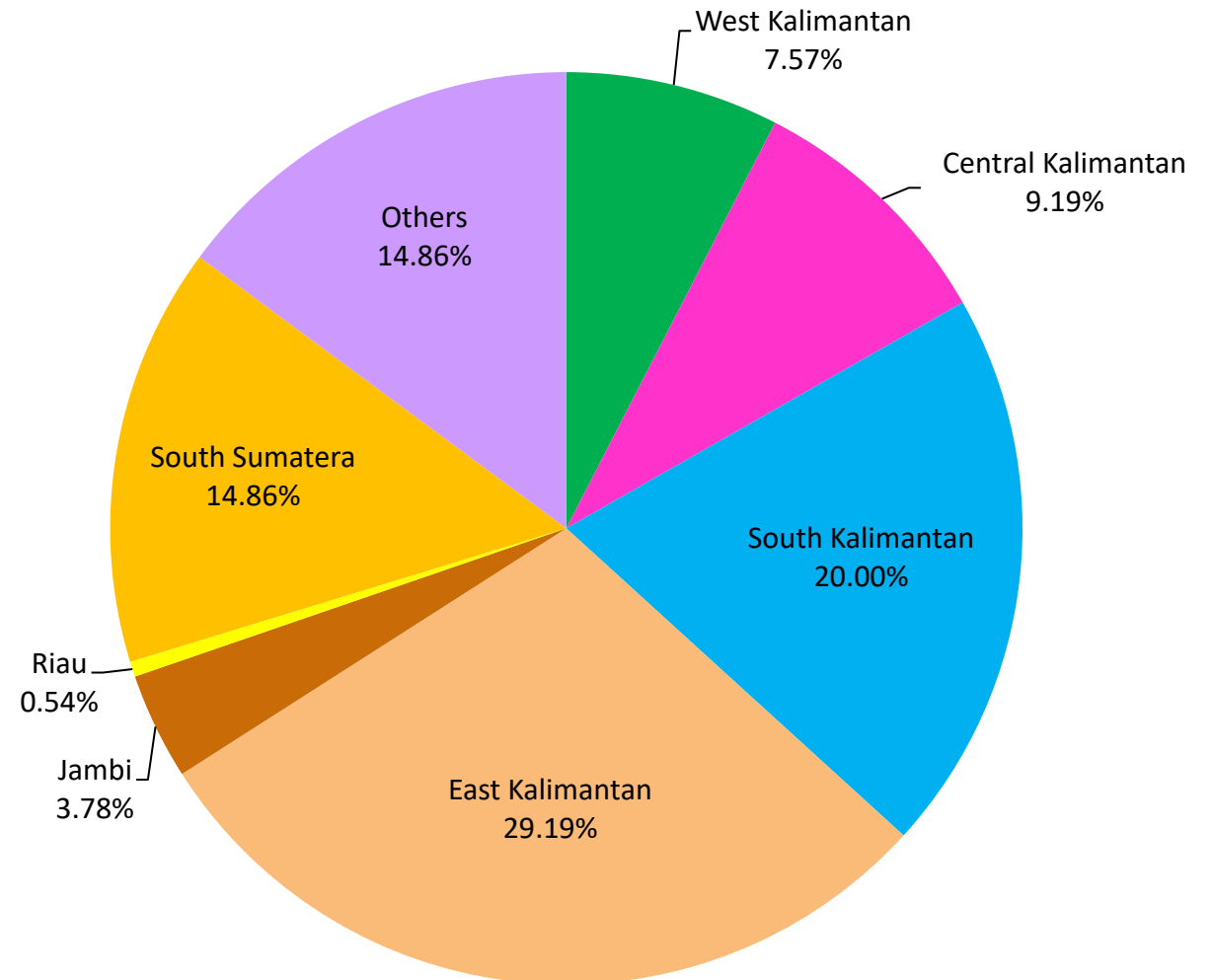


State	Total
Sabah	14
Sarawak	118
Johor	5
Pahang	9
Terengganu	12
Others	9
Total	167

Distribution of Hotspots by Region in Indonesia



Region	Total
West Kalimantan	28
Central Kalimantan	34
South Kalimantan	74
East Kalimantan	108
Jambi	14
Riau	2
South Sumatera	55
Others	55
Total	370



Hotspots in RSPO members (State/Province)



No. of Member/s	Date of Acquisition	District/Regency	Province/State	Country	No. of Hotspots
1	3-May-22	East Kutai	East Kalimantan	Indonesia	3
	3-May-22	East Kutai	East Kalimantan	Indonesia	
	3-May-22	East Kutai	East Kalimantan	Indonesia	
3				Total Hotspots	3

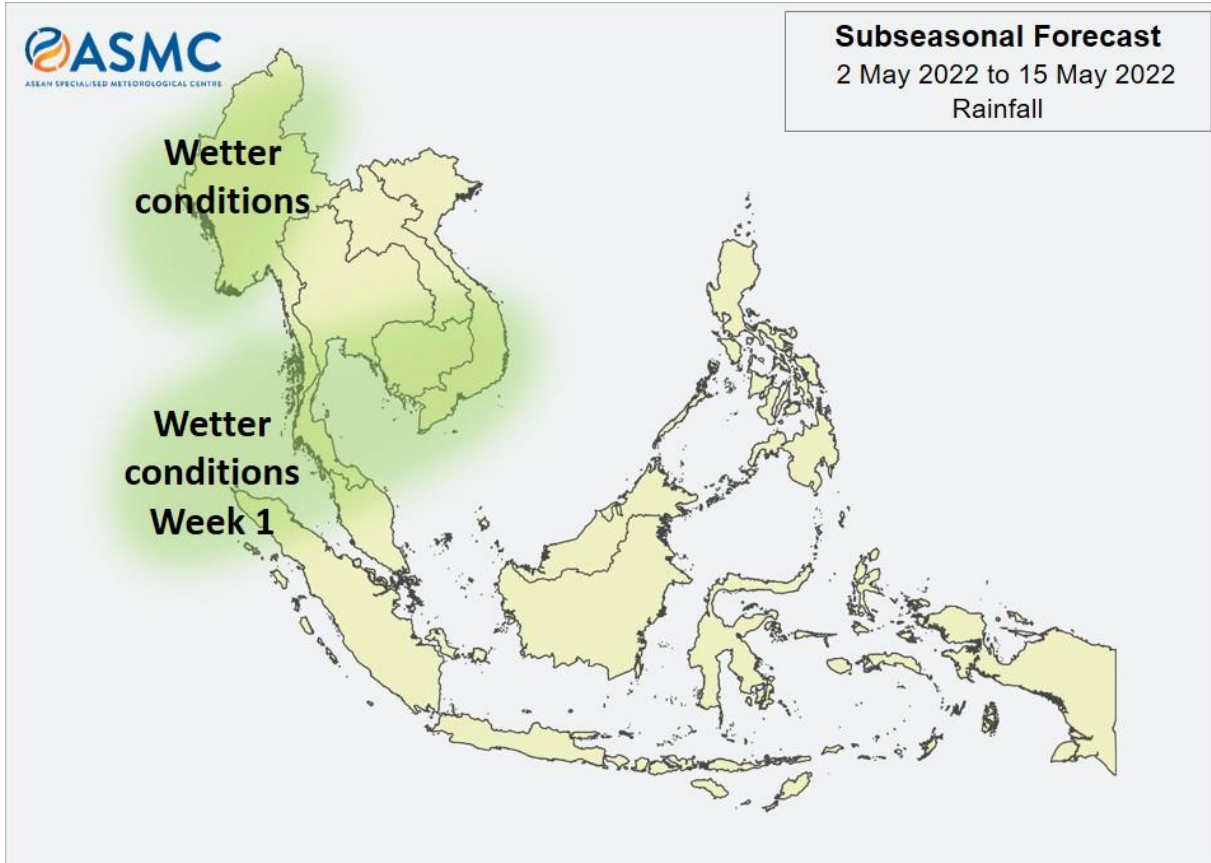


ASEAN Weather Outlook

Source: The ASEAN Specialised Meteorological Centre

02 May 2022 – 08 May 2022

Regional Weather & Haze Outlook



Alert Level

- LEVEL 0** Stay vigilant.
- LEVEL 1** Dry season for the northern 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** Significant and persistent hotspot activities with widespread moderate to dense smoke haze observed over 2 or more consecutive days; dry weather persisting; and prevailing winds blowing towards ASEAN countries.

In recent days, increased shower activities were observed over the Mekong sub-region which have helped to alleviate the overall hotspot and smoke haze situation there. Parts of Myanmar, northern Laos and northern Thailand may still experience continued hotspot and smoke haze activity during dry periods. However, the haze situation is expected to continue to improve with more rainy weather over the Mekong sub-region in the coming weeks.

02 May 2022 – 08 May 2022

The weather was mostly cloudy and showered over much of the northern ASEAN region, except for isolated showers that fell over southern Mekong sub-region and southern Philippines. Elsewhere in the ASEAN region, there was no significant hotspot and smoke haze activity due to wet weather conditions.

In the coming days, scattered showers are expected to continue over much of the ASEAN region, except for central Vietnam, northern Philippines, as well as central Sumatra where drier conditions are likely. With wet weather conditions expected to prevail, the overall hotspot and smoke haze situation for the ASEAN region is likely to stay subdued.

Alert by RSPO



For next week, the RSPO Secretariat would like to recommend the following measures to Growers:

- Please ensure that the operation area has developed fire prevention measures for the dry season, especially for Mekong sub-region:
 - supply appropriate well-maintained fire mitigation tools (fire extinguisher, fire truck)
 - establish of fire break (wide road, vacant land) within the planted area
 - inform workers and communities about the fire drill procedure
 - minimize outdoor activities and stay hydrated if the haze season occurred
- For the southern ASEAN region which has been forecasted to have a wet weather, we suggest that good management measures are put in place to prepare for the following risks:
 - high risk of surface runoff in the estate area which may result in erosion and landslide
 - stay vigilant of water level and keep informed on local news of the flood in high-risk area
 - tendency for the formation of road potholes, which may necessitate additional maintenance and repair costs.



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