Internal Hotspot Monitoring

Weekly Report for 2022

MAY2022_WK02

09 May 2022 – 15 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

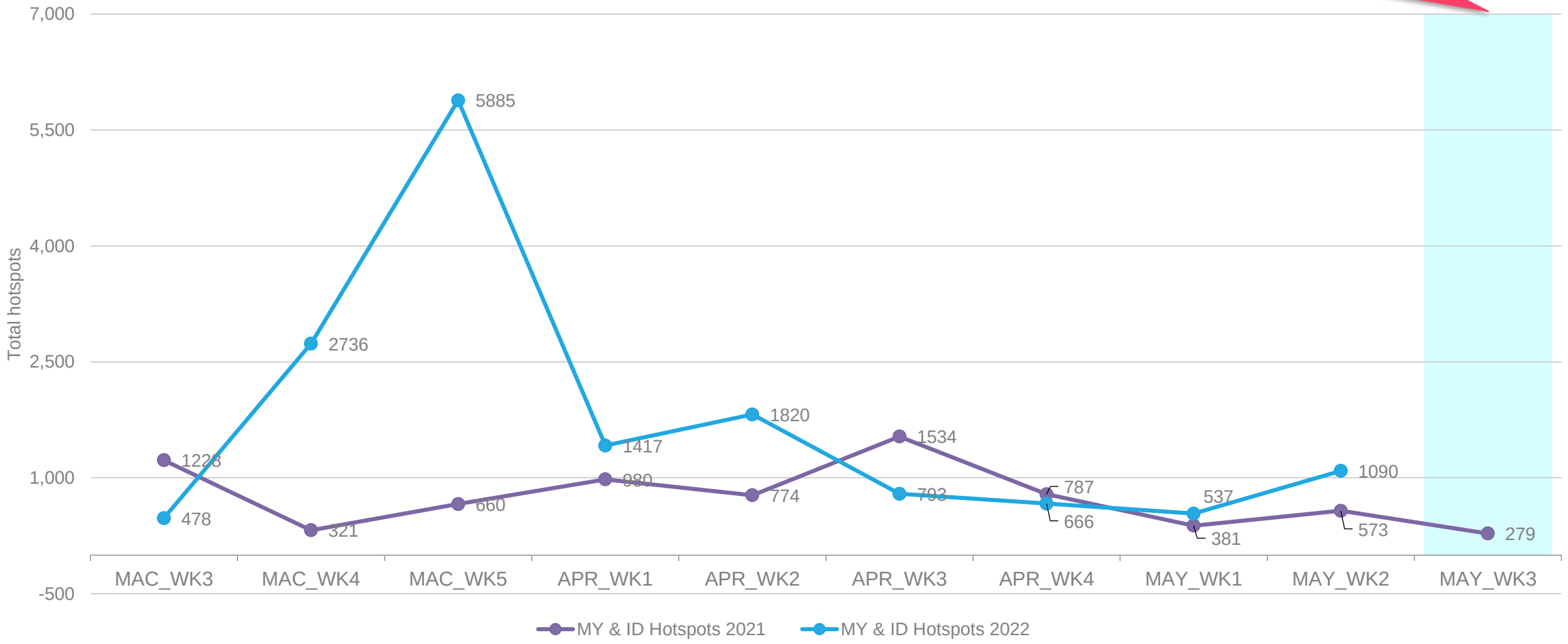
Weekly Analysis

Comparison to 2021 trend
Comparison to previous 10 weeks

09 May 2022 – 15 May 2022

Comparison to 2021: All hotspots

The number of hotspots for next week (May 2022: 3rd week) is predicted to be **higher** in the region as forecast



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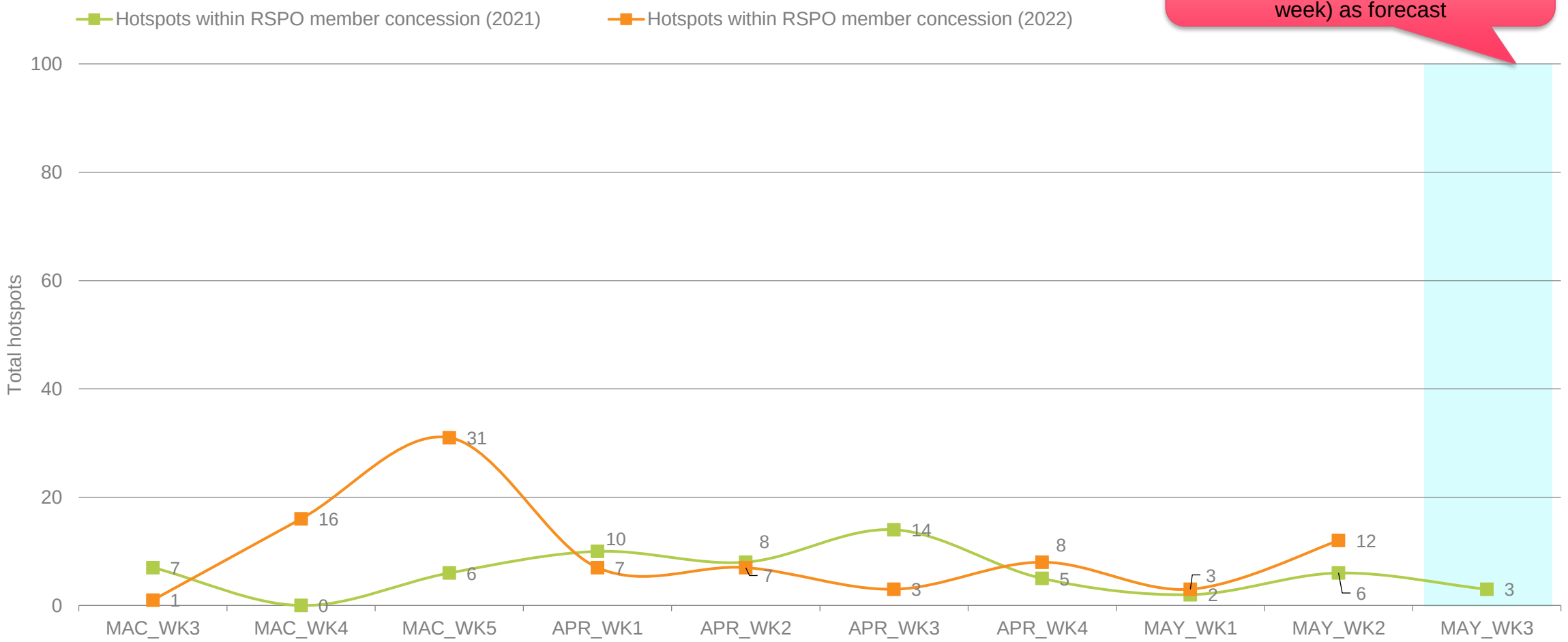
Comparison to 2021: Hotspot within RSPO Member Concession

The number of hotspots within RSPO member is expected to be **higher** for next week (May 2022: 3rd week) as forecast



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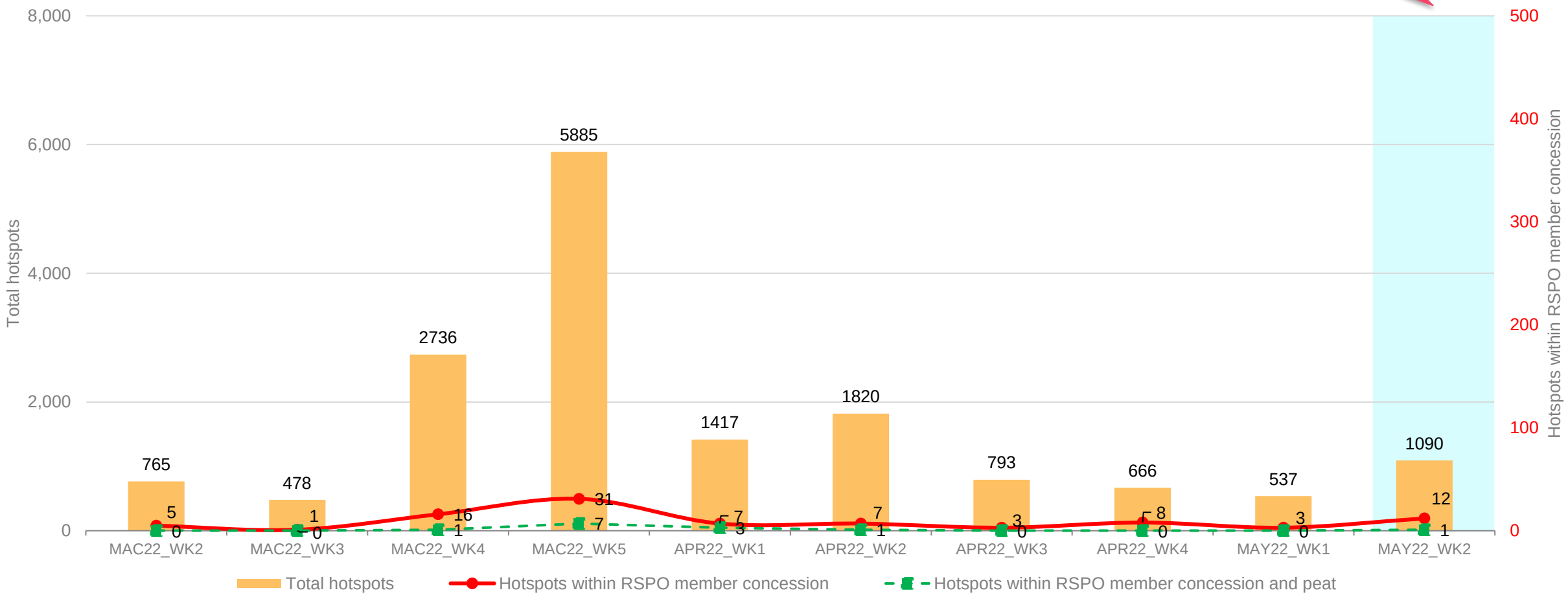
Weekly trend from last 10 weeks

Higher in hotspot count than previous week

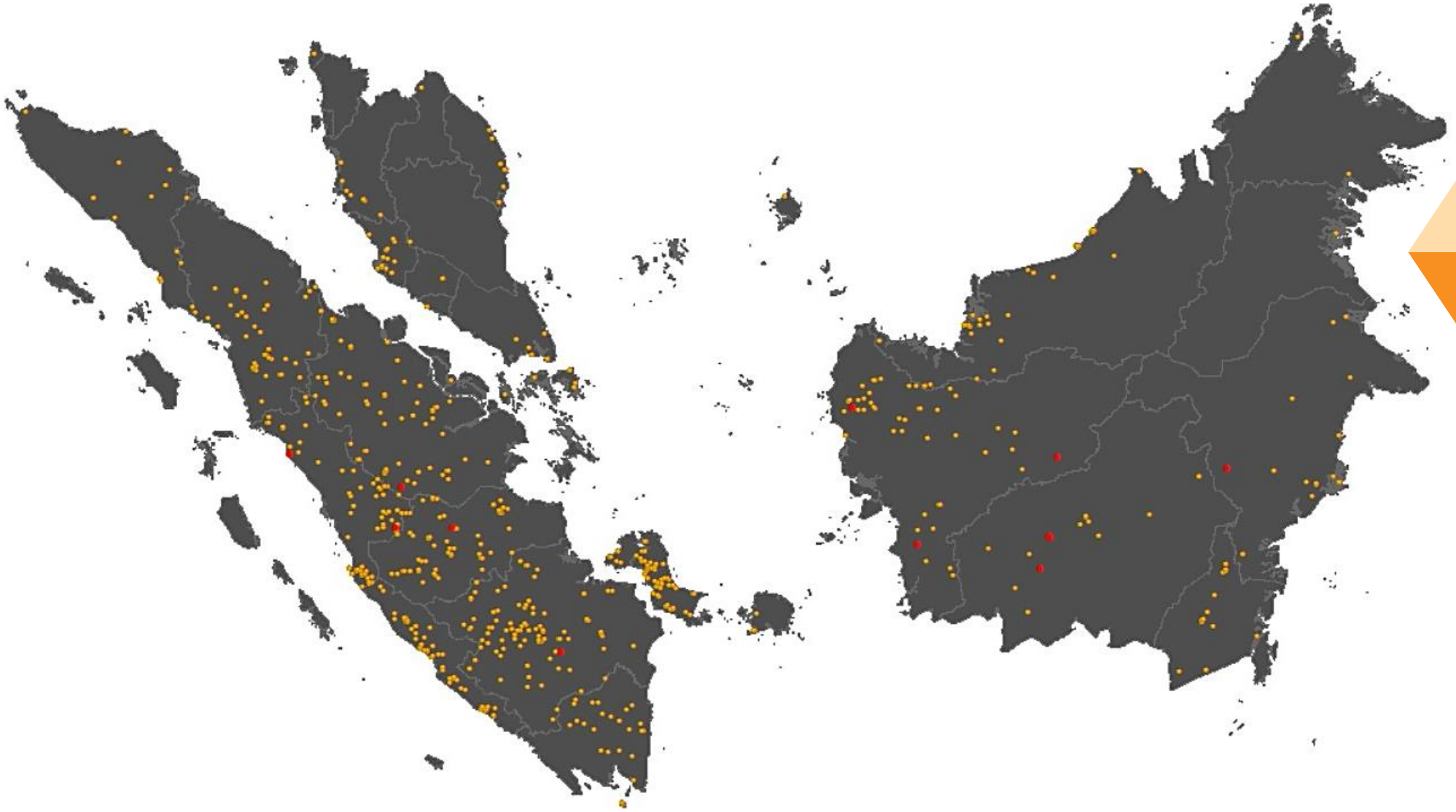


09 May 2022 – 15 May 2022

Weekly Hotspot Map

Malaysia & Indonesia
(Sumatera & Kalimantan) Region

09 May 2022 – 15 May 2022



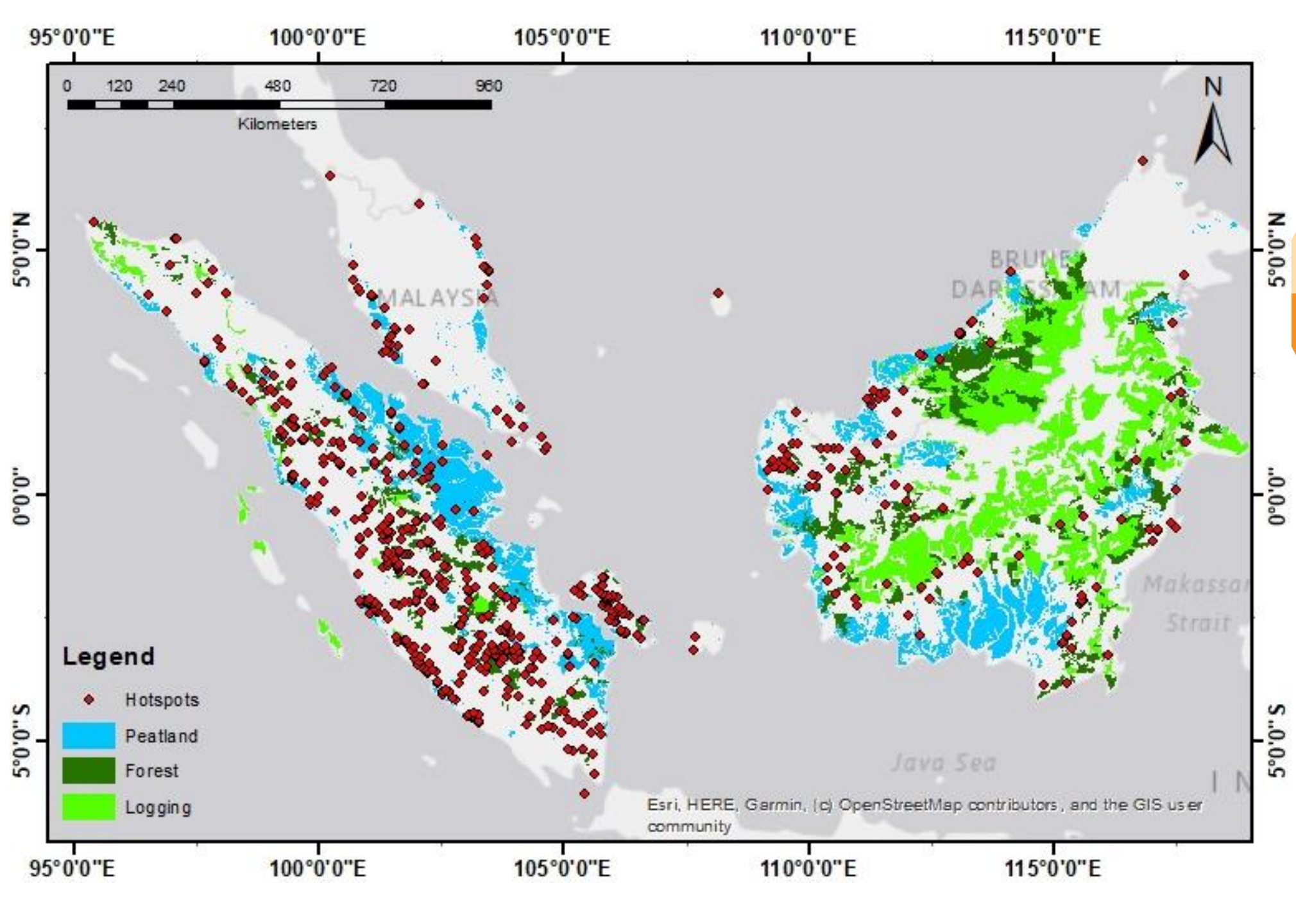
Hotspot Tabulation Map

Legend:

●	Hotspot within RSPO member concession
●	Hotspot detected by satellite sensor

09 May 2022 – 15 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)

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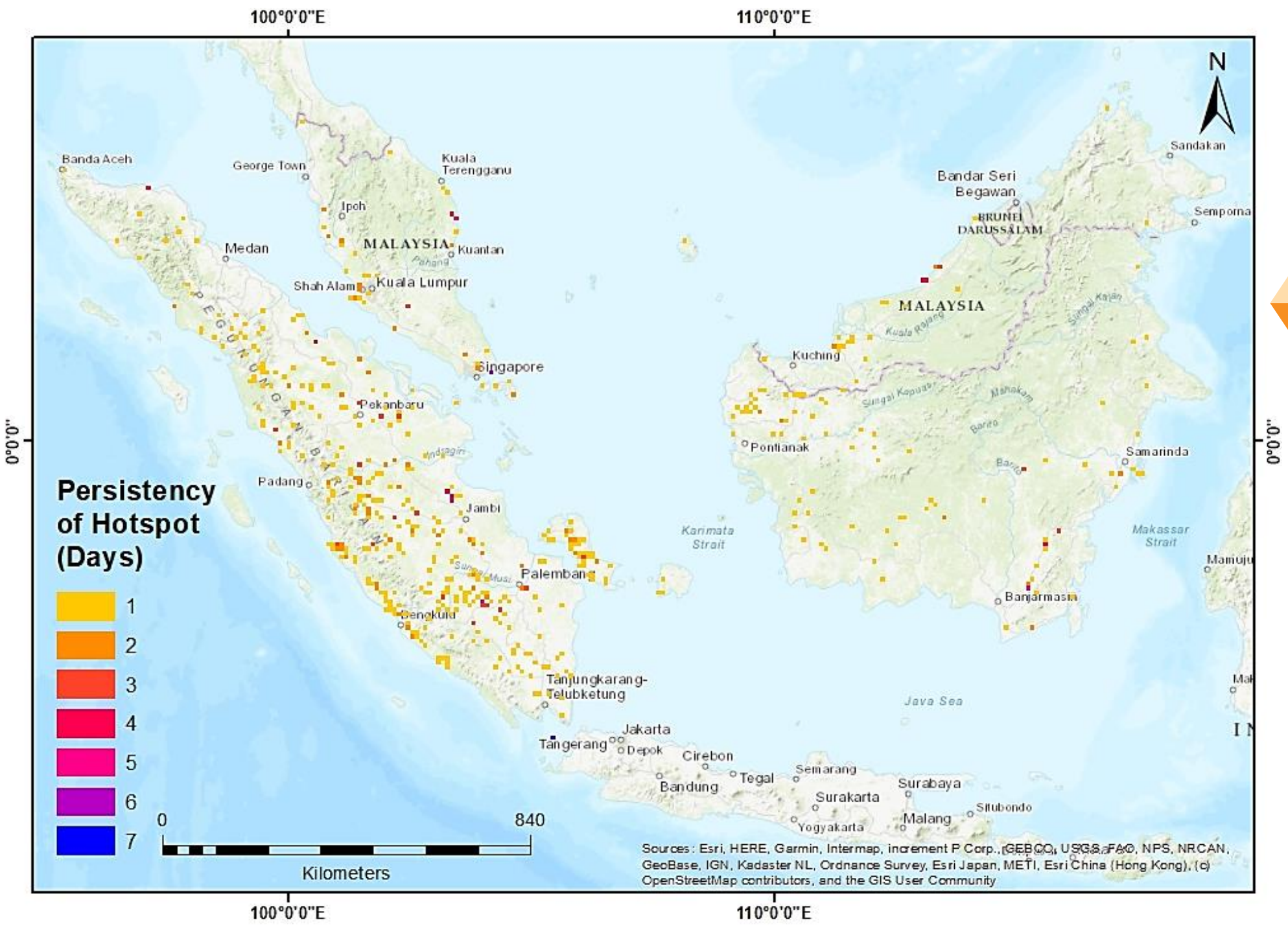
Hotspot Persistency Map



Each grid represents the number of days hotspots were detected within the 10km X 10km grid between 09 May 2022 – 15 May 2022

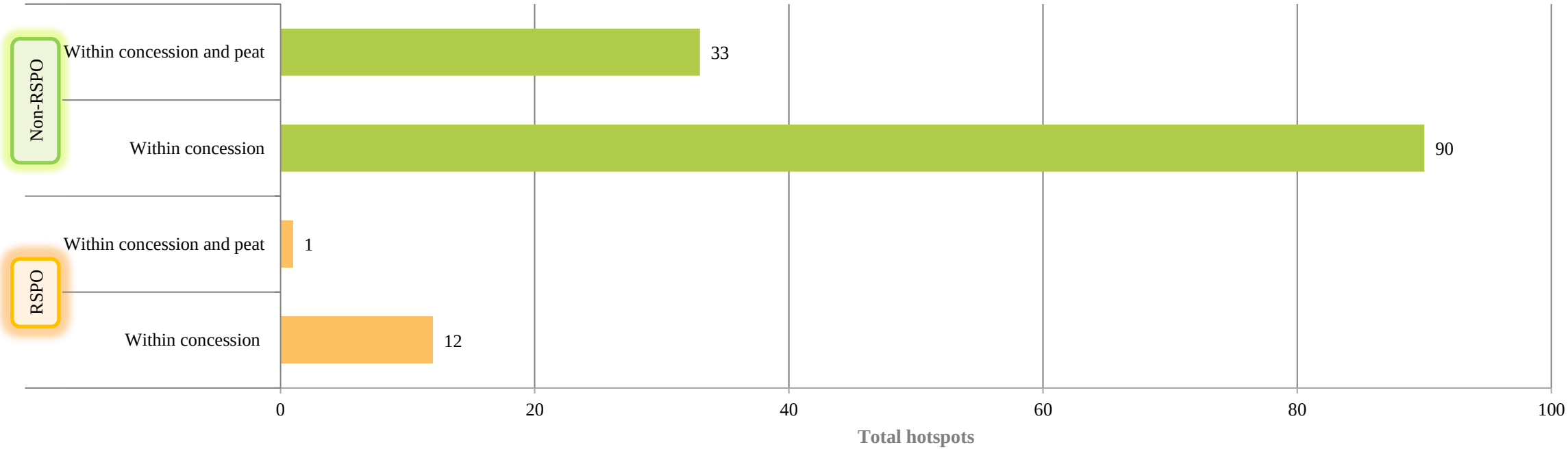
09 May 2022 – 15 May 2022

MAY2022_WK02 Hotspot

Malaysia & Indonesia
(Sumatera & Kalimantan) Region

09 May 2022 – 15 May 2022

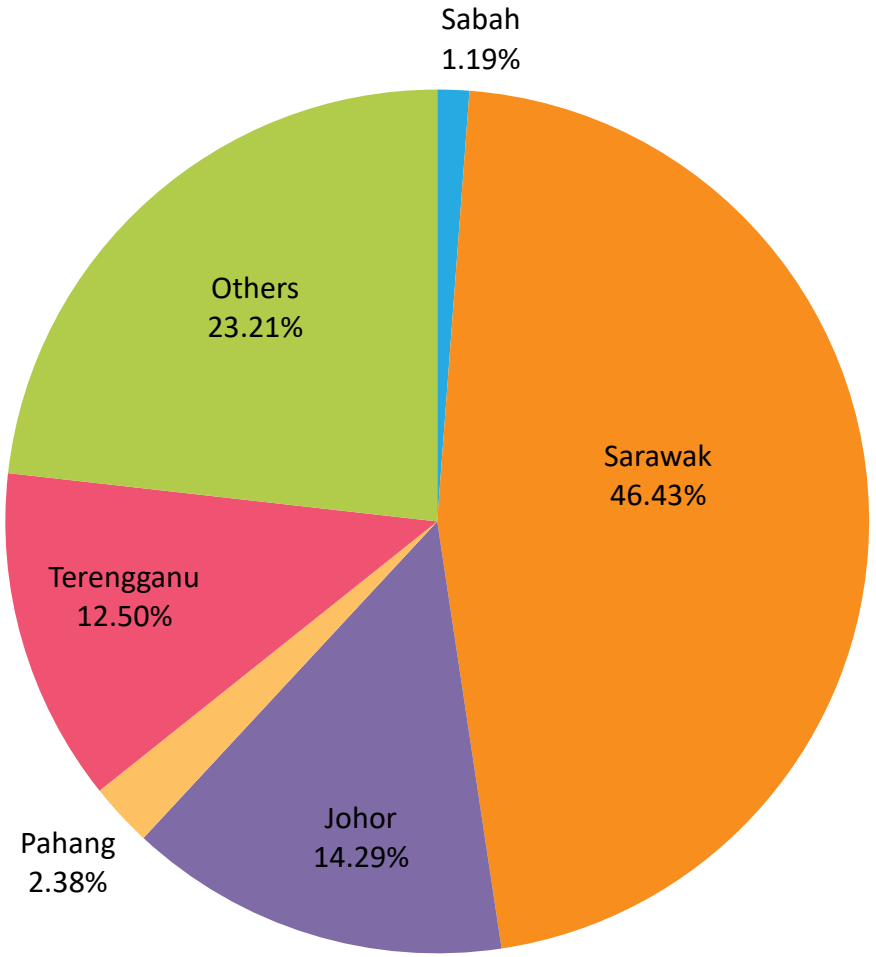
RSPO vs non-RSPO comparison



* *Non RSPO Oil Palm Concession location data was derived from data down loaded 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

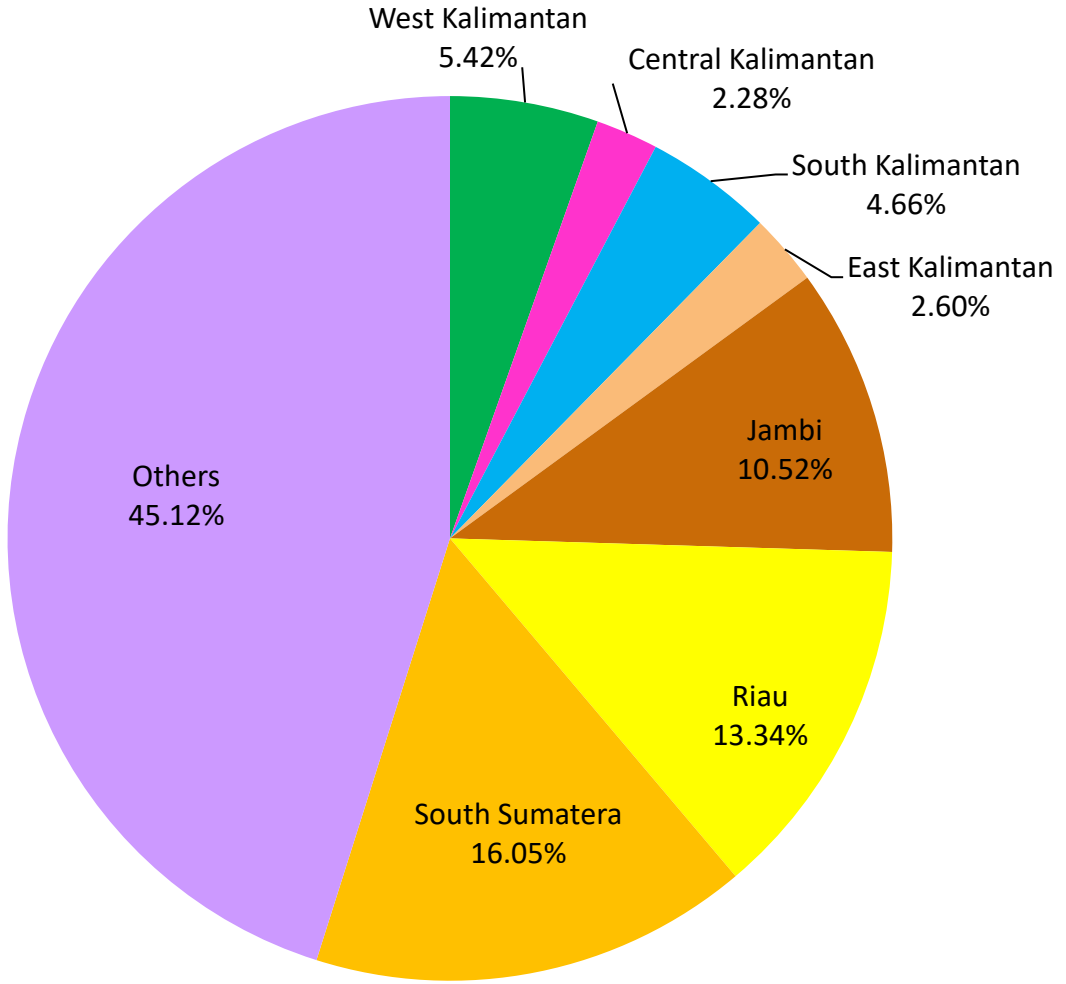
Distribution of Hotspots by State in **Malaysia**



State	Total
Sabah	2
Sarawak	78
Johor	24
Pahang	4
Terengganu	21
Others	39
Total	**168**

Distribution of Hotspots by Region in **Indonesia**

Region	Total
West Kalimantan	50
Central Kalimantan	21
South Kalimantan	43
East Kalimantan	24
Jambi	97
Riau	123
South Sumatera	148
Others	416
Total	**922**



Hotspots in RSPO members (State/Province)

No. of Member/s	Date of Acquisition	District/Regency	Province/State	Country	No. of Hotspots
1	10-May-22	Ogan Ilir	South Sumatra	Indonesia	2
	10-May-22	Tebo	Jambi	Indonesia	
1	14-May-22	East Kotawaringin	Central Kalimantan	Indonesia	3
	14-May-22	Agam	West Sumatra	Indonesia	
	15-May-22	South Solok	West Sumatra	Indonesia	
1	15-May-22	Ketapang	West Kalimantan	Indonesia	2
	15-May-22	East Kotawaringin	Central Kalimantan	Indonesia	
1	15-May-22	West Kutai	East Kalimantan	Indonesia	1
1	15-May-22	Sintang	West Kalimantan	Indonesia	1
1	15-May-22	East Kotawaringin	Central Kalimantan	Indonesia	1
1	15-May-22	Landak	West Kalimantan	Indonesia	1
1	15-May-22	Kuantan Singingi	Riau	Indonesia	1
8				**Total Hotspots**	**12**

ASEAN Weather Outlook

Source: The ASEAN Specialised Meteorological Centre

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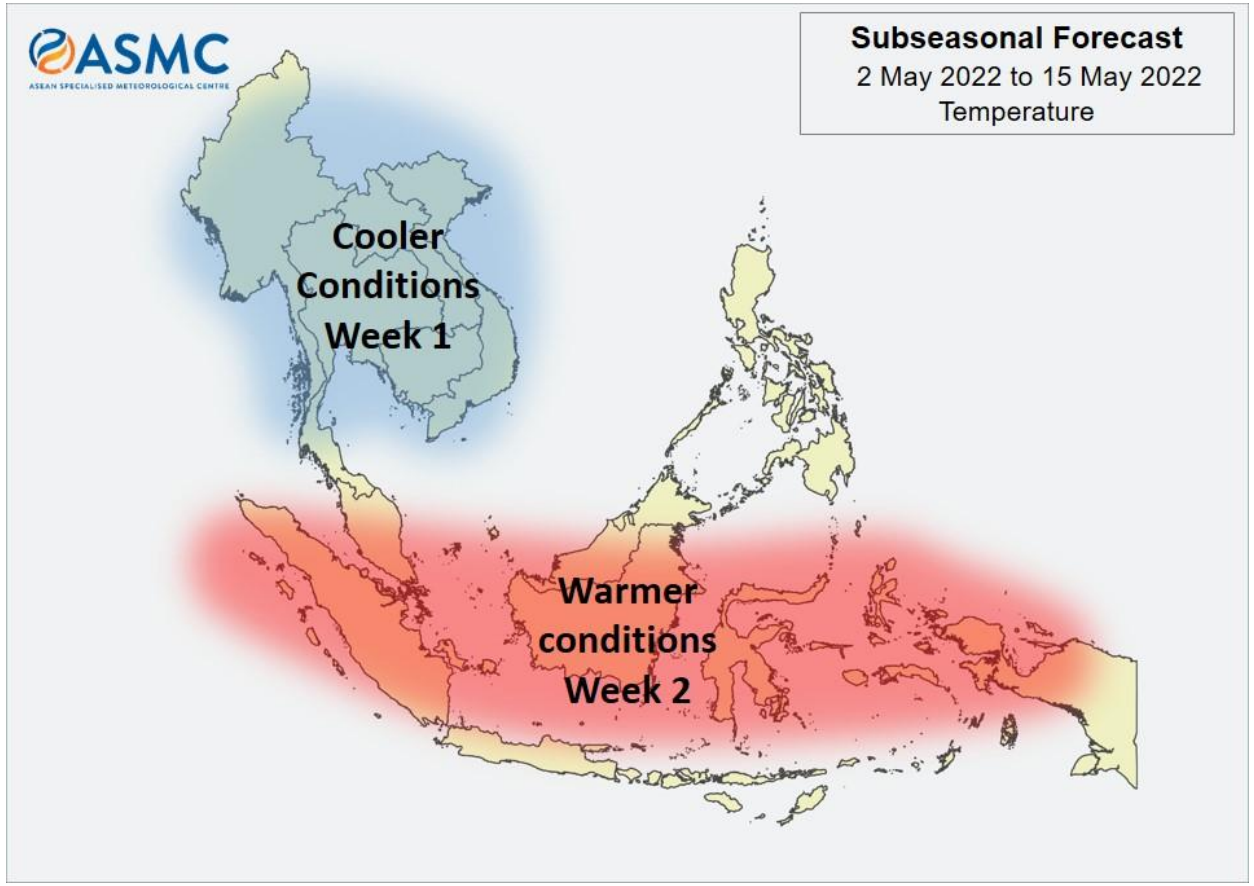
Regional Weather & Haze Outlook



The cooler temperatures were ease in Week 2, except for parts of Myanmar, in line with the wetter conditions predicted. While warmer than usual temperatures were over the equatorial region in Week 2.

Wet conditions are forecast to prevail over most of the ASEAN region in the coming days, subduing the overall hotspot activity in the region. However, brief periods of drier conditions are forecast over parts of Peninsular Malaysia in the coming days. The winds over the Mekong sub-region, Peninsular Malaysia and Sumatra are forecast to be strong and blow from the southwest or west.

Source: The ASEAN Specialised Meteorological Centre

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, shower activities have increased over the Mekong sub-region. The showers have helped to improve the overall hotspot and haze situation, with localised hotspots and smoke haze observed over some parts of Myanmar, northern Thailand, and northern Laos. With rainy weather forecast to continue in the coming days, the hotspot and haze situation over the Mekong sub-region is expected to improve further.

09 May 2022 – 15 May 2022

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 and some part of Indonesia:
  - 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.

Find out more at

www.rspo.org