Sunday, September 4<sup>th</sup>: 14:30-19:00 IUCN World Conservation Congress 2016

# **Objective:**

Learn to utilize Firecast to enhance monitoring ecosystem disturbances such as fires, fire risk conditions, deforestation, and protected area encroachment, for near real-time alerts integral to decision-making.

Firecast is a web-based application that allows for easy and quick analysis, visualization, and download of subscribed datasets.

#### http://firecast.conservation.org/

There are three parts to this exercise:

- 1. Navigating the dashboard to download fire information pertaining to the area of interest.
- 2. Assessing fire trends through the dashboard.
- 3. Using the web map and interpreting events.

#### Part 1: Reporting Options in Dashboard

Identify the region in Madagascar with the highest number of fires detected from August 1-10, 2016.



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# Part 2: Fire Trend Chart in Dashboard

Use the Fire Trend Chart to identify the month with the highest fire activity in Lampung Province, Indonesia.

FIR	FIRECAST				Forest and Fire Monitoring & Forecast System		
Home	Data & Maps	Dashboard	Where We Work	About			
Dashboard	Dashboard (UOBT)						
Reporting	Options						
Admin 0							
Admin 1	1 <b>T</b>						
Lampung	¥						
Admin 2	•						
Start Date							
End Date	<b>*</b>						
Report Type							
Fires By A Fire Trend Heatmap	dmin Unit Chart						
Submit							

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# Part 3: Interpret the Web Map

On August 3<sup>rd</sup>, several thermal anomalies were detected by VIIRS in Hawaii. Use the web map to locate them and interpret the events.



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#### Solutions:

1. Identify the region in Madagascar with the highest number of fires detected from August 1-10, 2016.



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2. Use the Fire Trend Chart to identify the month in 2015 with the highest fire activity in Indonesia's Lampung Province.



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3. On August 3<sup>rd</sup>, several thermal anomalies were detected by VIIRS in Hawaii (the Big Island). Use the web map to locate them and interpret the events.

