



**ICEYE**

APPLICATION STUDY

▶ EFFICIENTLY PREVENT AND RESPOND TO OIL SPILLS TO MINIMIZE THE ENVIRONMENTAL AND ECONOMIC DAMAGE

▶ IDENTIFY VESSELS RESPONSIBLE FOR OIL SPILLS, TIMELY DETECT AND MONITOR SPILL EXPANSION

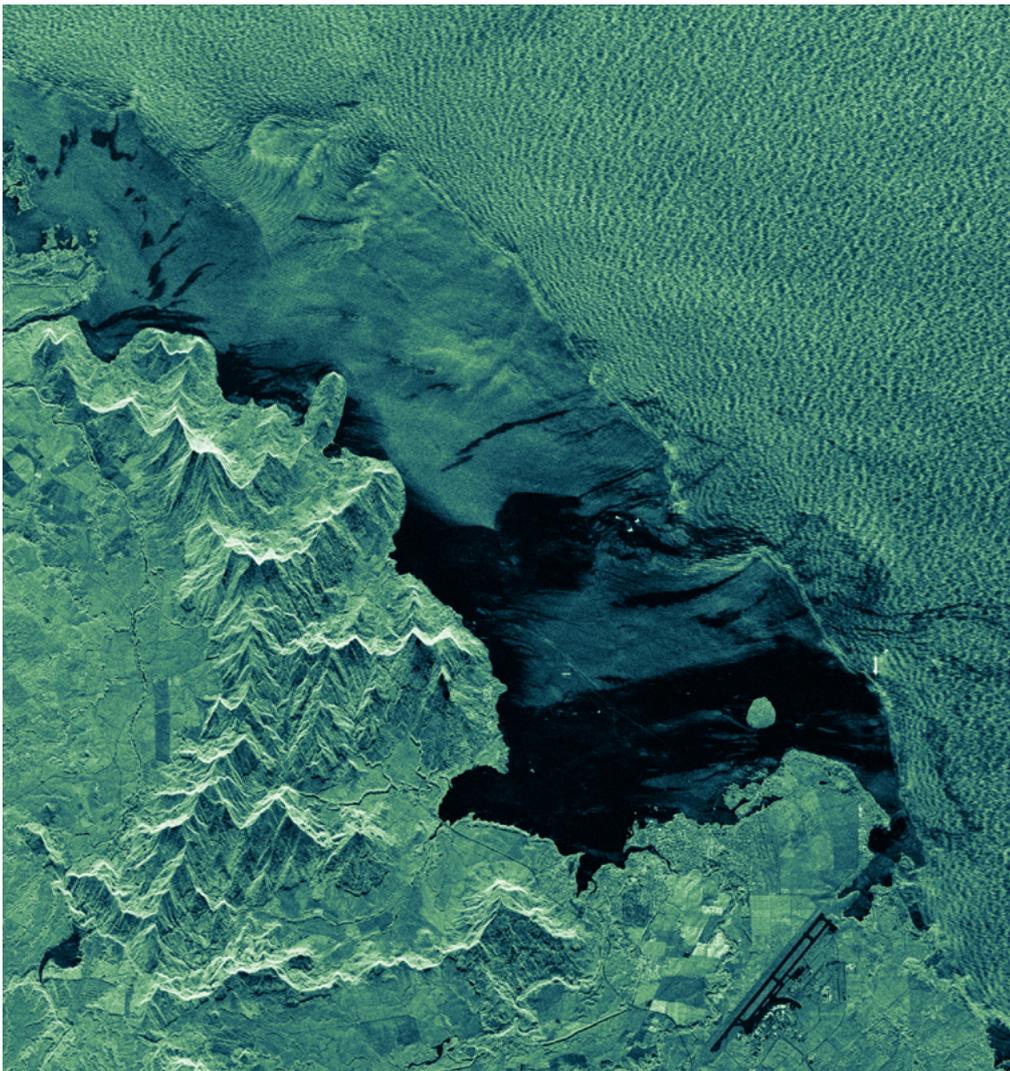
▶ SEE HOW ICEYE SAR IMAGERY CAN HELP YOU WITH PERSISTENT MONITORING OF OIL SPILLS IN YOUR NATIONAL WATERS

# DETECT AND RESPOND TO OIL SPILLS

APPLICATION STUDY

**MAURITIUS**

6<sup>TH</sup> - 11<sup>TH</sup> OF AUGUST 2020



**ACCESS NEW LEVELS OF ACTIONABLE INFORMATION** DELIVERED WHEN YOU NEED IT



**PERFECT FOR OIL SPILL DETECTION AND MONITORING**

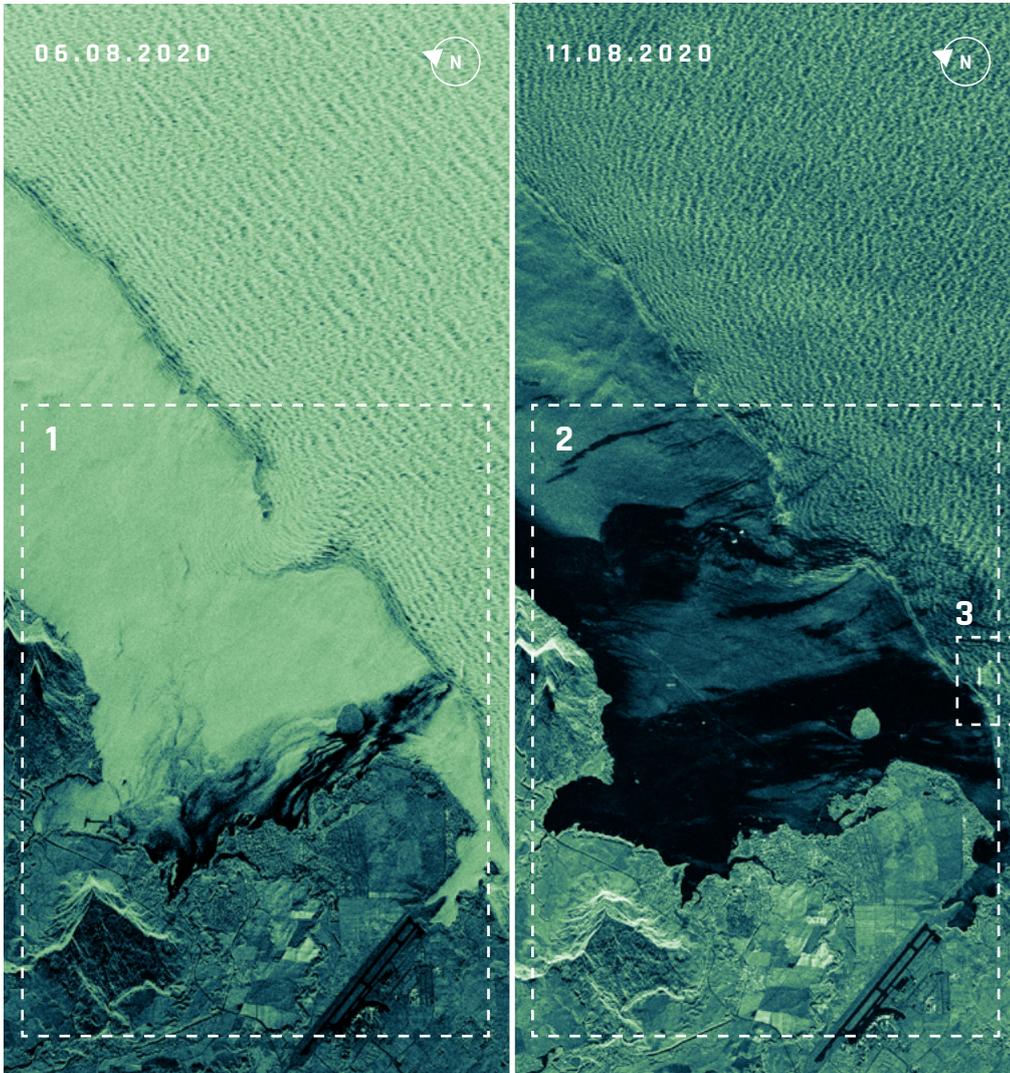


**SEE THROUGH CLOUDS AND DARKNESS** IN ALL WEATHER CONDITIONS



**SEE FOR YOURSELF**  
[ICEYE.COM/DATASETS](https://www.iceye.com/datasets)

↑ *The 2020 oil spill off the coast of Mauritius was reportedly the worst environmental disaster in the country's history. Over 1,000 tons of oils spilled into the sea from a damaged bulk carrier and was carried by the currents over the environmentally sensitive lagoon.*

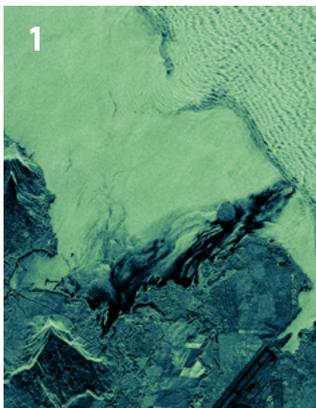


This ICEYE imagery shows the progression of an oil spill off the coast of Mauritius in August 2020 caused by a bulk carrier that ran around on a coral reef. The image from the 6<sup>th</sup> of August was acquired at night, which, together with the ability to monitor through clouds and any weather, is a unique capability of SAR data.

The imagery illustrates the change in the extent of the oil spill over a week-long period, as well as the direction in which the oil spill has floated with the sea currents. The vessel that has caused the oil spill is also clearly visible in the imagery indicated by the oil leaking out of it.

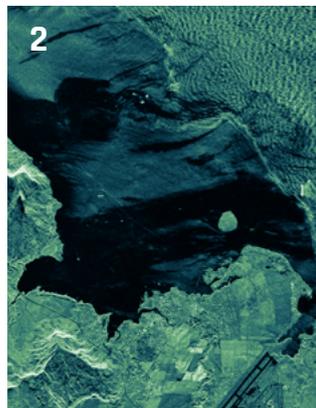
**WITH ICEYE SAR DATA YOU CAN:**

- ▶ DETECT SMALL AND LARGE OIL SPILLS IN COASTAL WATERS AND FAR FROM SHORE
- ▶ IDENTIFY VESSELS RESPONSIBLE FOR OIL CONTAMINATION
- ▶ GET FREQUENT SITUATIONAL UPDATES ON OIL SPILL EXTENT PROGRESSION
- ▶ DETECT OIL SPILLS FROM OIL PLATFORMS



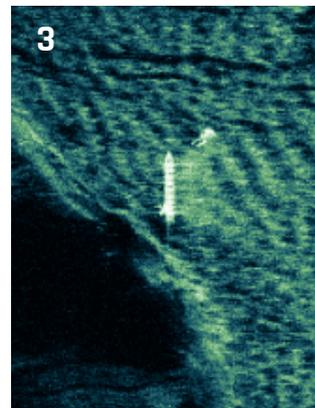
**SPILL EXTENT OF 3 KM<sup>2</sup>**

This is the extent to which the oil spread along the coast in less than two weeks after the vessel ran aground on a coral reef. As you can see, the oil spread mostly northwest.



**SPILL EXTENT GREW BY 10 TIMES**

Images acquired just seven days after the previous acquisition show that the extent of the spill has spread north along the coastline, covering 10 times more area than the week before.



**BULK CARRIER RESPONSIBLE FOR THE SPILL DETECTED**

The bulk carrier MV Wakashio can be seen with a visible oil slick spreading out towards the coastline.

  
**WANT TO TALK ABOUT HOW WE CAN MEET YOUR NEEDS?**  
 ▶ **CONTACT US**  
[ICEYE.COM/CONTACT](https://www.iceye.com/contact)