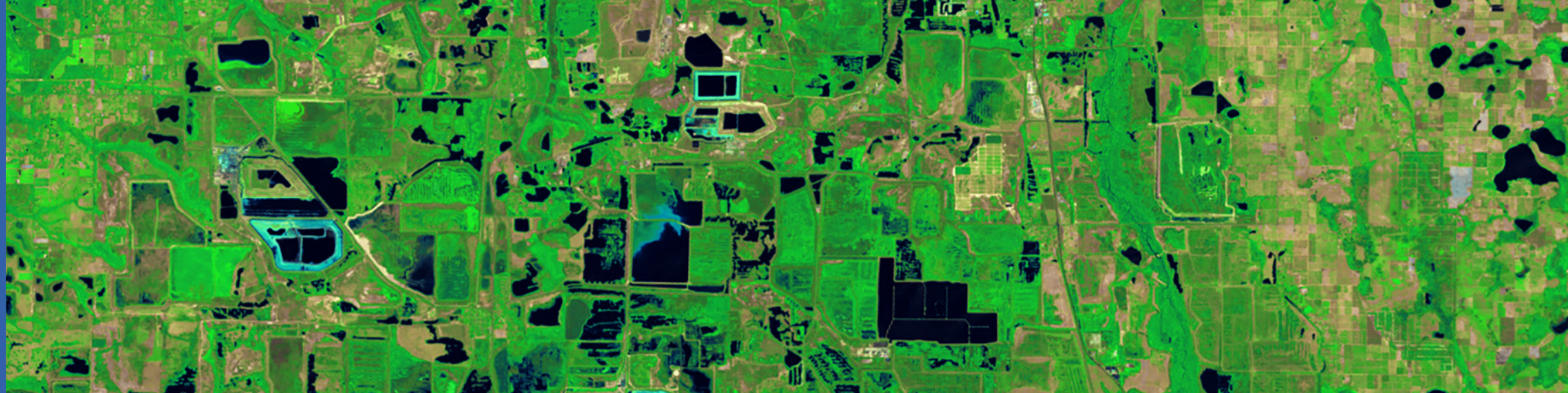


earth shots



Earthshots: Satellite Images of Environmental Change

The U.S. Geological Survey Earth Resources Observation and Science (EROS) Center archives data from the Landsat satellites (1972–present). Earthshots presents environmental changes using Landsat images.



Satellite Images of Environmental Change

The surface of the Earth is always changing. The Landsat satellites have been imaging Earth's land areas since 1972. Landsat provides a unique resource for those who work in agriculture, geology, forestry, land change mapping, and global change research. Landsat images are also invaluable for emergency response and disaster relief.

Each of these Earthshots cards features a different location from around the world and explains the changes that the Landsat images reveal and how both people and nature are changing the landscape.

Click each feature to view the Earthshots.



Agriculture



Aquaculture



Cities



Coasts



Dams



Deforestation



Deserts



Energy



Fires



Forests



Glaciers



Mining



Mountains



Natural Disasters



Water



Wetlands

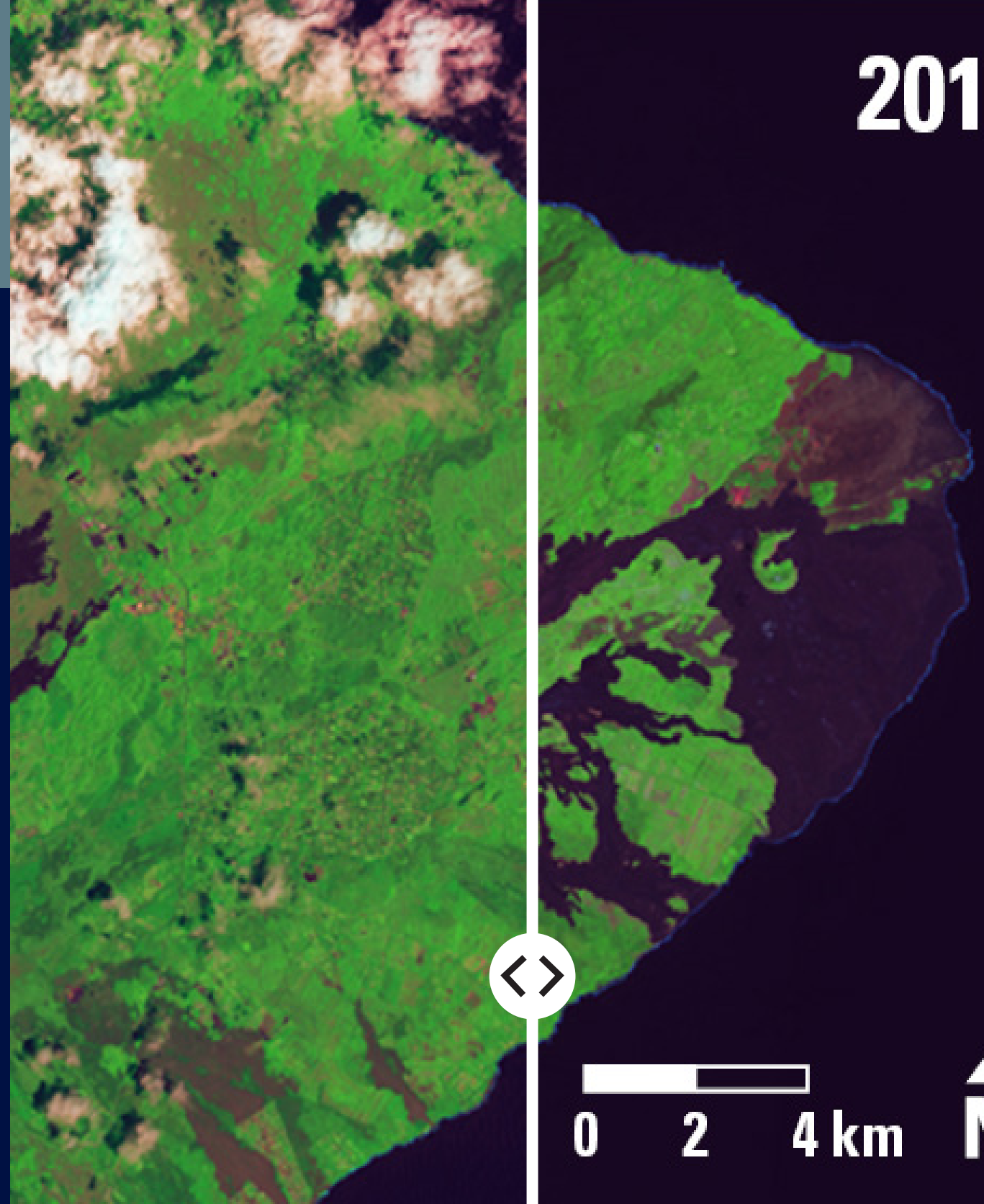


Wildlife

Kilauea, Hawaii, USA

About Metadata

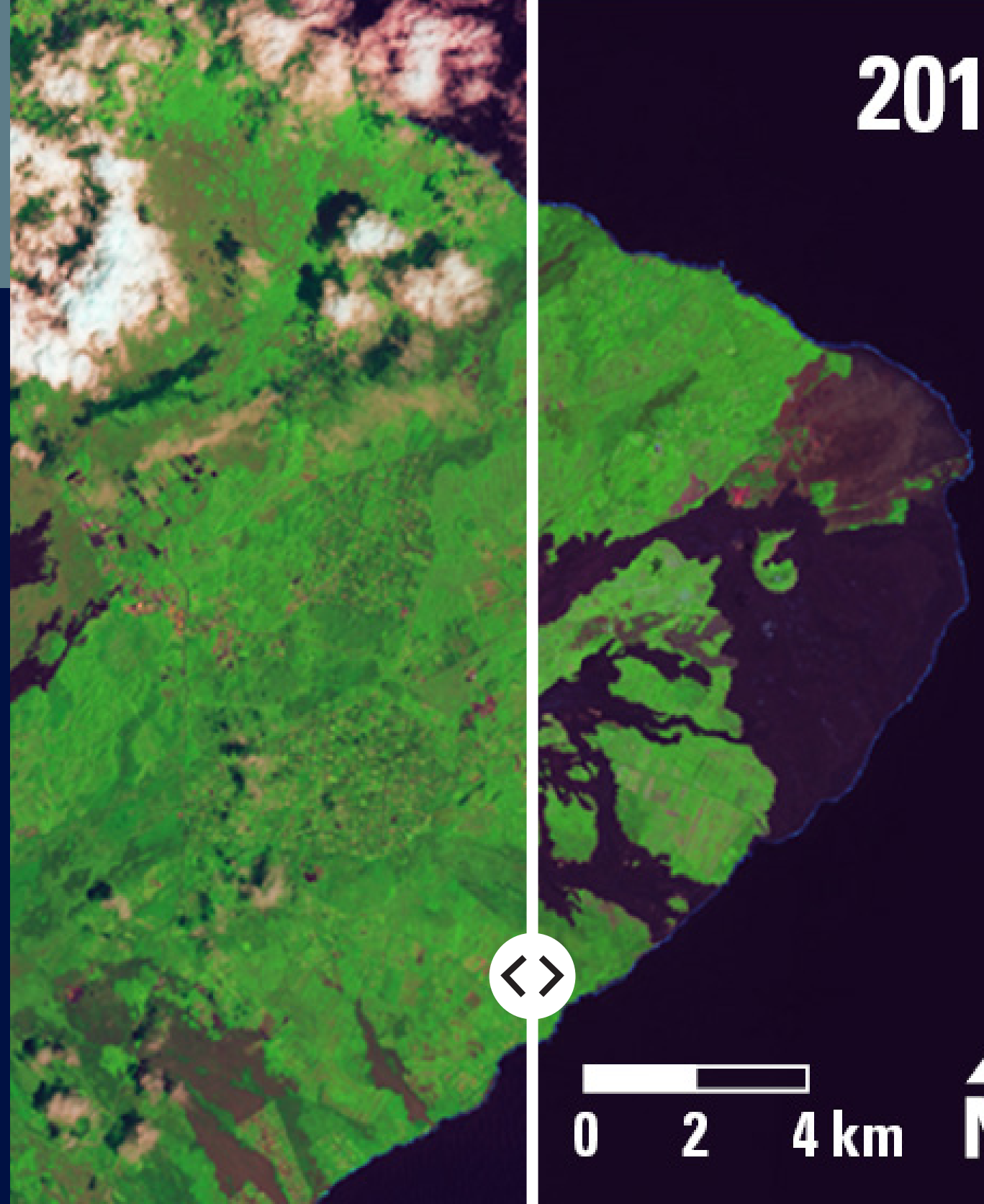
In 2018, Hawaii was in the news as fresh lava covered 13.7 square miles (35.5 km²) of the eastern tip of the Big Island. The lava flows were from Kilauea, one of the world's most active volcanoes. This eruptive event started April 30, 2018, and ended on August 4, 2018.



Kilauea, Hawaii, USA

About Metadata

Date	Satellite	Bands
Mar. 27, 2018	Landsat 8 OLI	7,5,4
Feb. 26, 2019	Landsat 8 OLI	7,5,4
Resolution	Path/Row	
30 m	62/47	
30 m	62/47	



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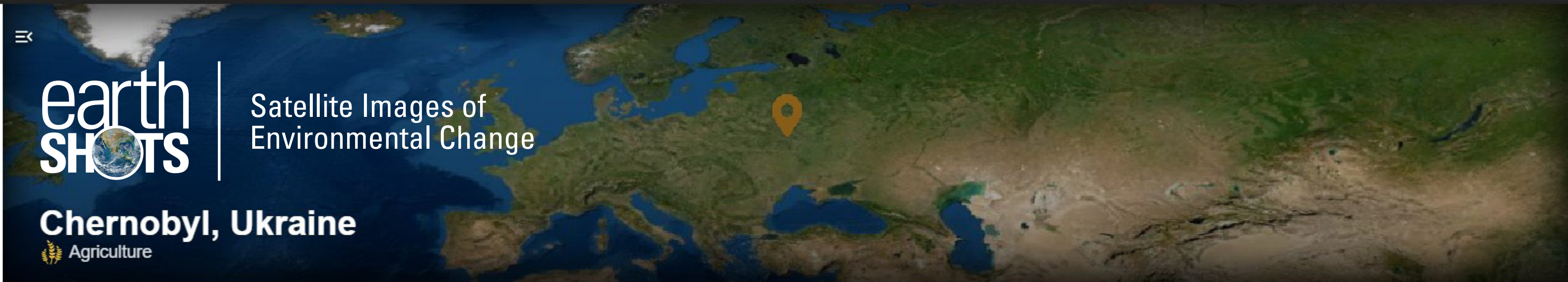
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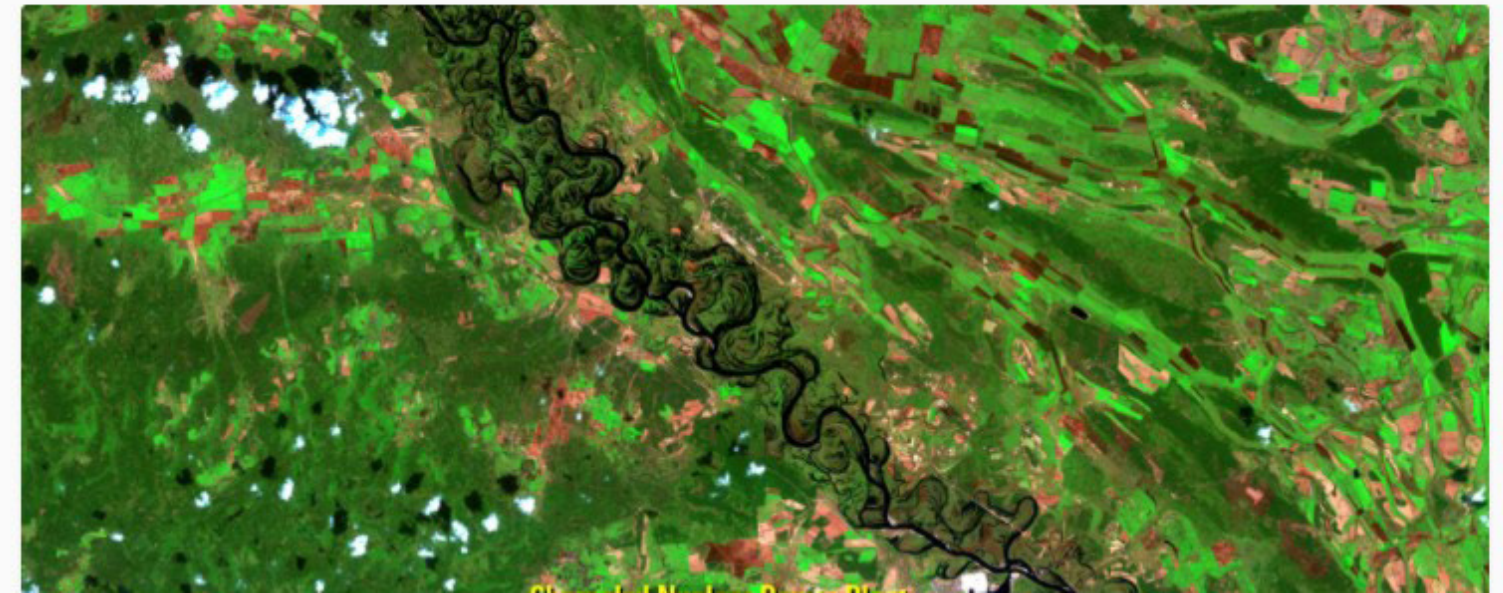
Earth Resources Observation and Science (EROS) Center

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A nuclear accident devastated the region near Chernobyl, Ukraine, on April 26, 1986. These images show the area around the nuclear power plant three days after the accident, and then years and decades after the accident.




The Landsat 5 image from April 29, 1986, was the first civilian satellite image of the accident. The data from Landsat were used to help confirm that an explosion had happened at Chernobyl and that the plant had been shut down.

Location



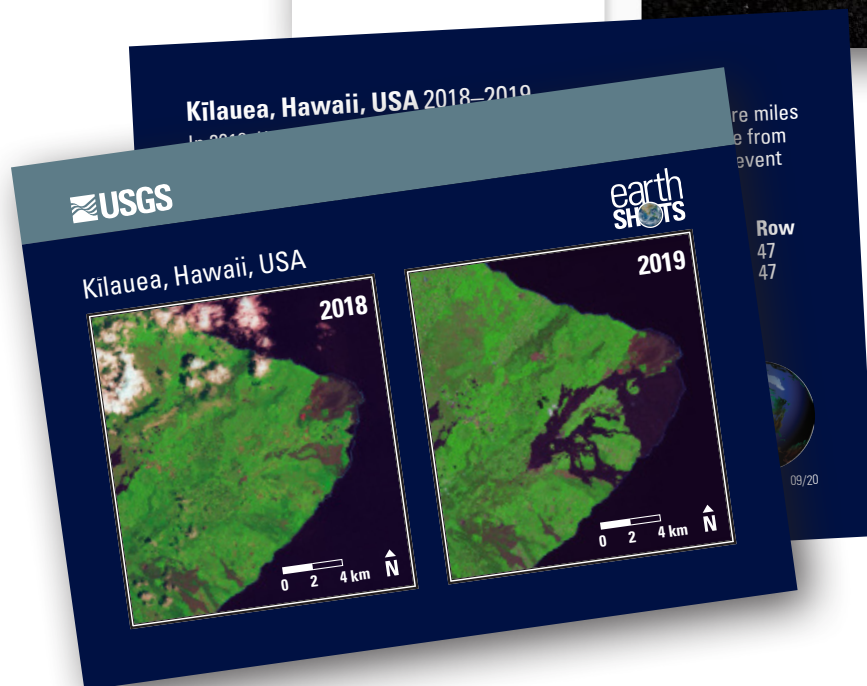
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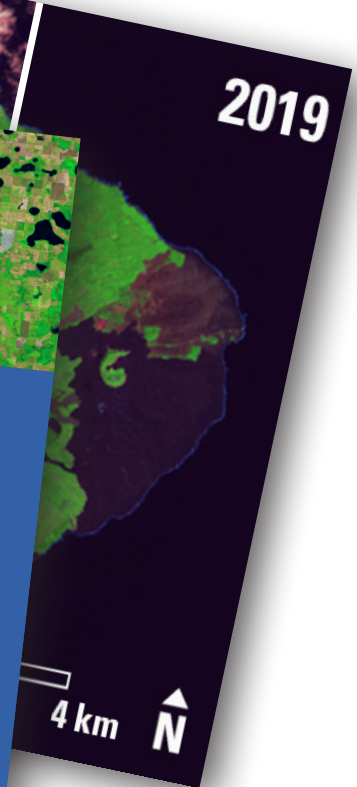


Satellite Images of
Environmental Change



earth
SHOTS

-  Forests
-  Glaciers
-  Mining
-  Mountains
-  Natural Disasters
-  Water
-  Wetlands
-  Wildlife



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