

The ICEYE logo is displayed in a bold, white, sans-serif font in the upper right corner of the slide. The background of the slide features a satellite in space, with a bright green beam of light illuminating a portion of the Earth's surface below. The satellite itself is a long, rectangular structure with a grid of solar panels on top.

ICEYE

Future Computing of EO

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EUROPEAN NEW SPACE LEADER

2018

WORLD'S FIRST SMALL
SAR SATELLITE LAUNCHED

450+

PEOPLE WITH
60 NATIONALITIES

\$304M

FUNDING RAISED
SINCE 2015

HEADQUARTERS IN FINLAND,
4 SUBSIDIARIES:
POLAND, US, UK and SPAIN

WORLD LEADER
IN SAR MINIATURIZATION
TECHNOLOGY

EXISTING PORTFOLIO OF
INTERNATIONAL
CUSTOMERS

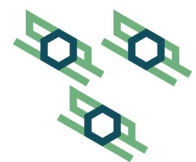
ICEYE'S MISSION

**ENABLE BETTER
DECISION MAKING**

ICEYE PROVIDES

**TIMELY AND RELIABLE EARTH
OBSERVATION DATA**

ICEYE



LARGE CONSTELLATION (16)



HIGH AGILITY



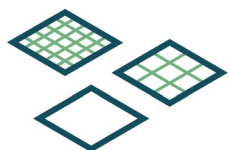
FAST REVISIT

(1 day ground track repeat)



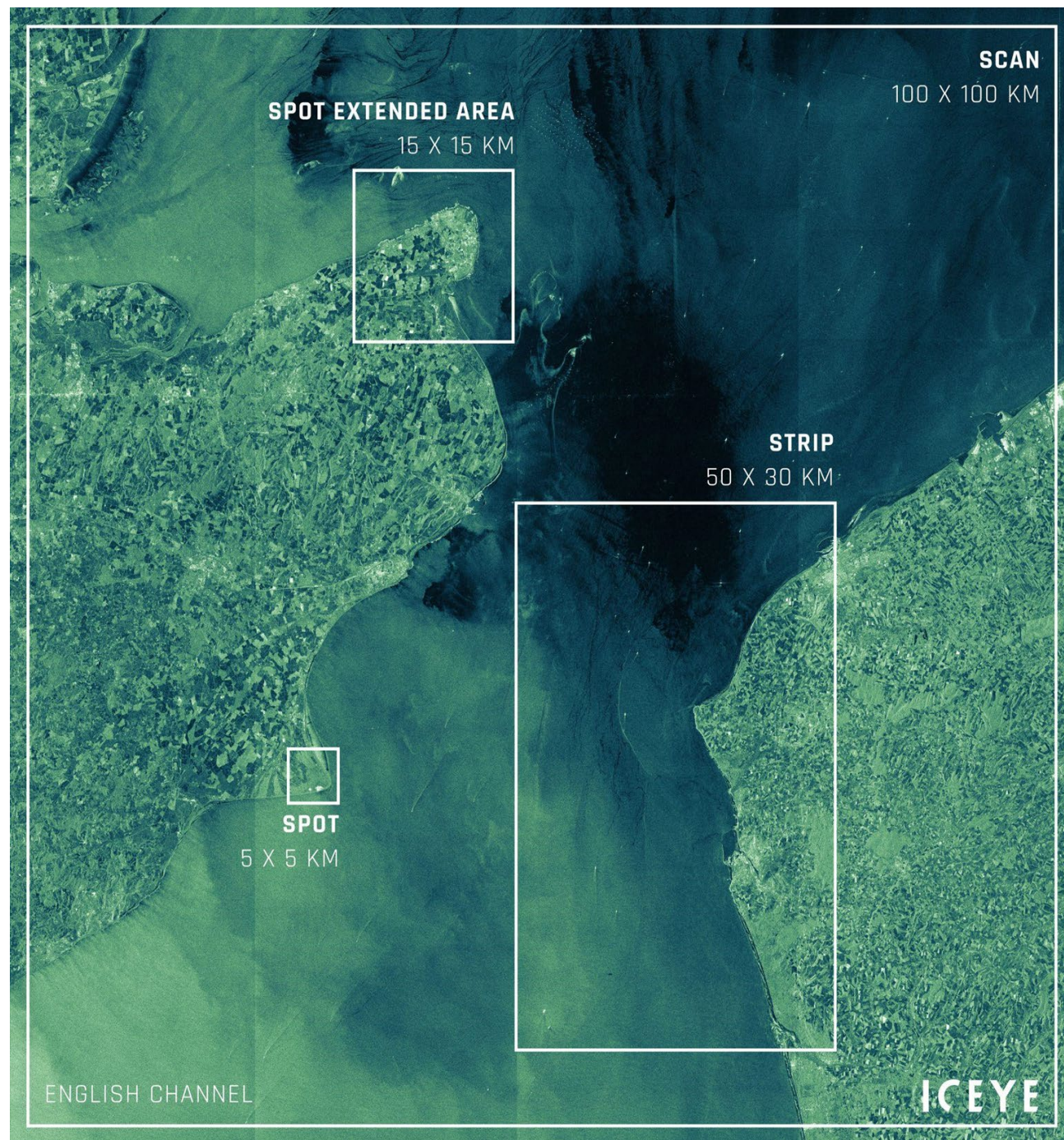
HIGH RESOLUTION

(down to 0.25m)

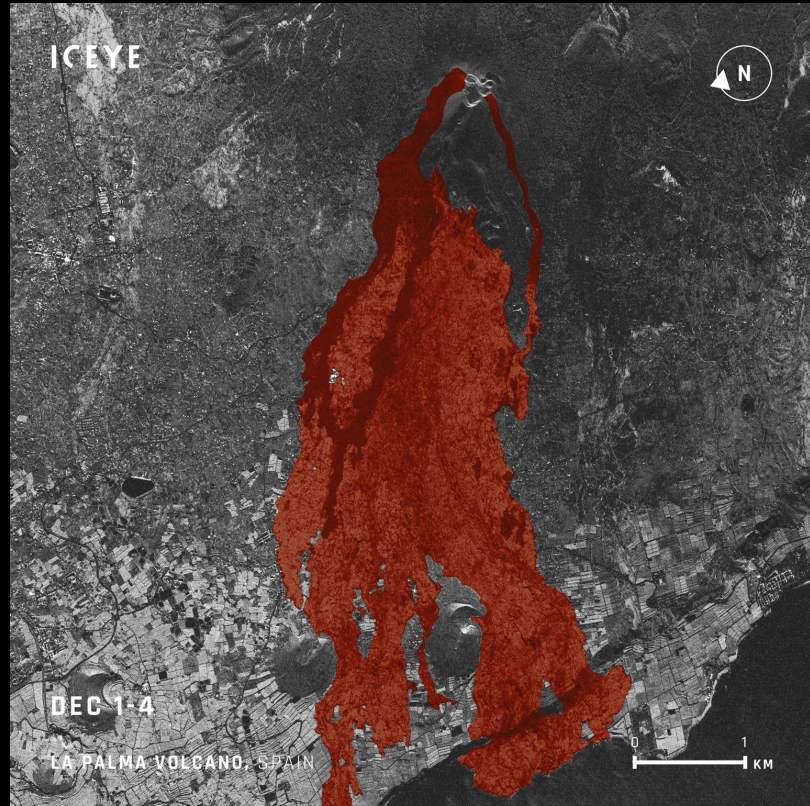


HIGH COVERAGE

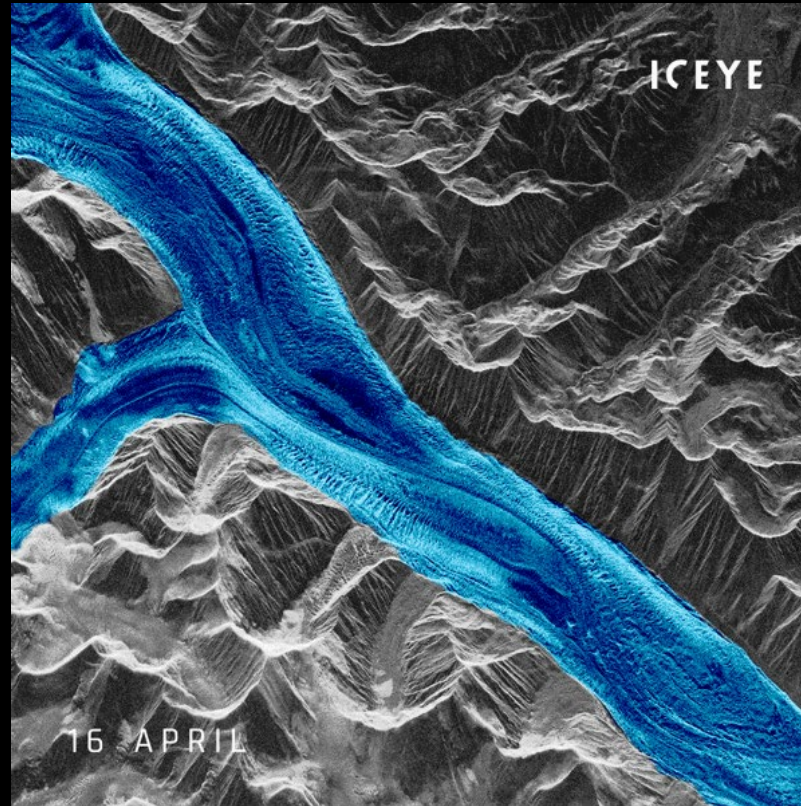
(up to 10,000 square km in a single image)



Natural Earth persistent change & monitoring



La Palma Volcanic Eruption (2021)

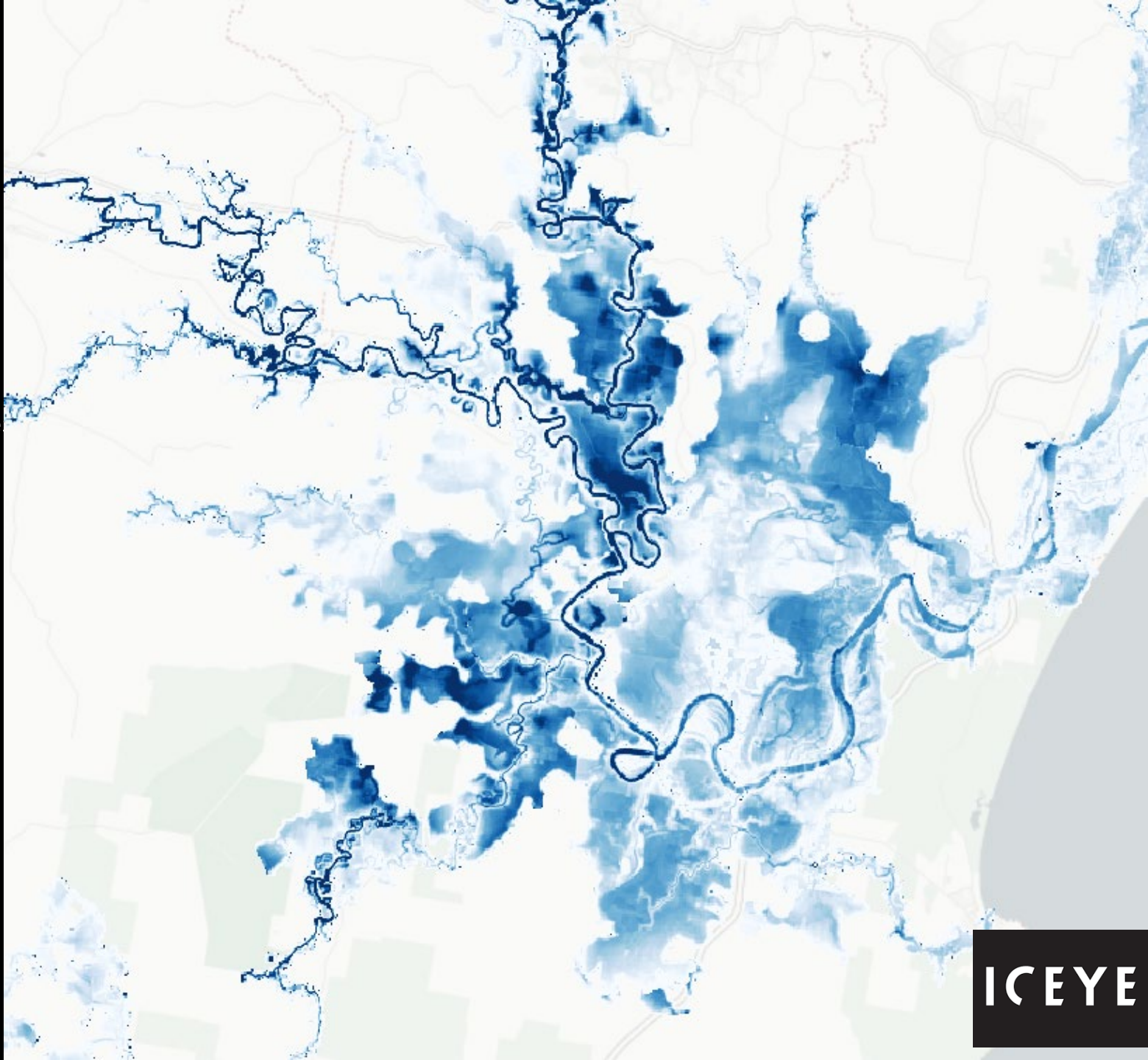


Muldrow Glacier, Alaska (2021)



Deforestation (2021)

- AUS Queensland, New South Wales (April 2022)
- Mapped area = 1785 km²
- Analysis Start Date 2022-04-02



Future advanced compute focus areas

Ground

- **ML/AI**
 - Optimal constellation orchestration (e.g. Nat Cat response)
 - Ambiguity detection/removal
 - Geolocation

Space

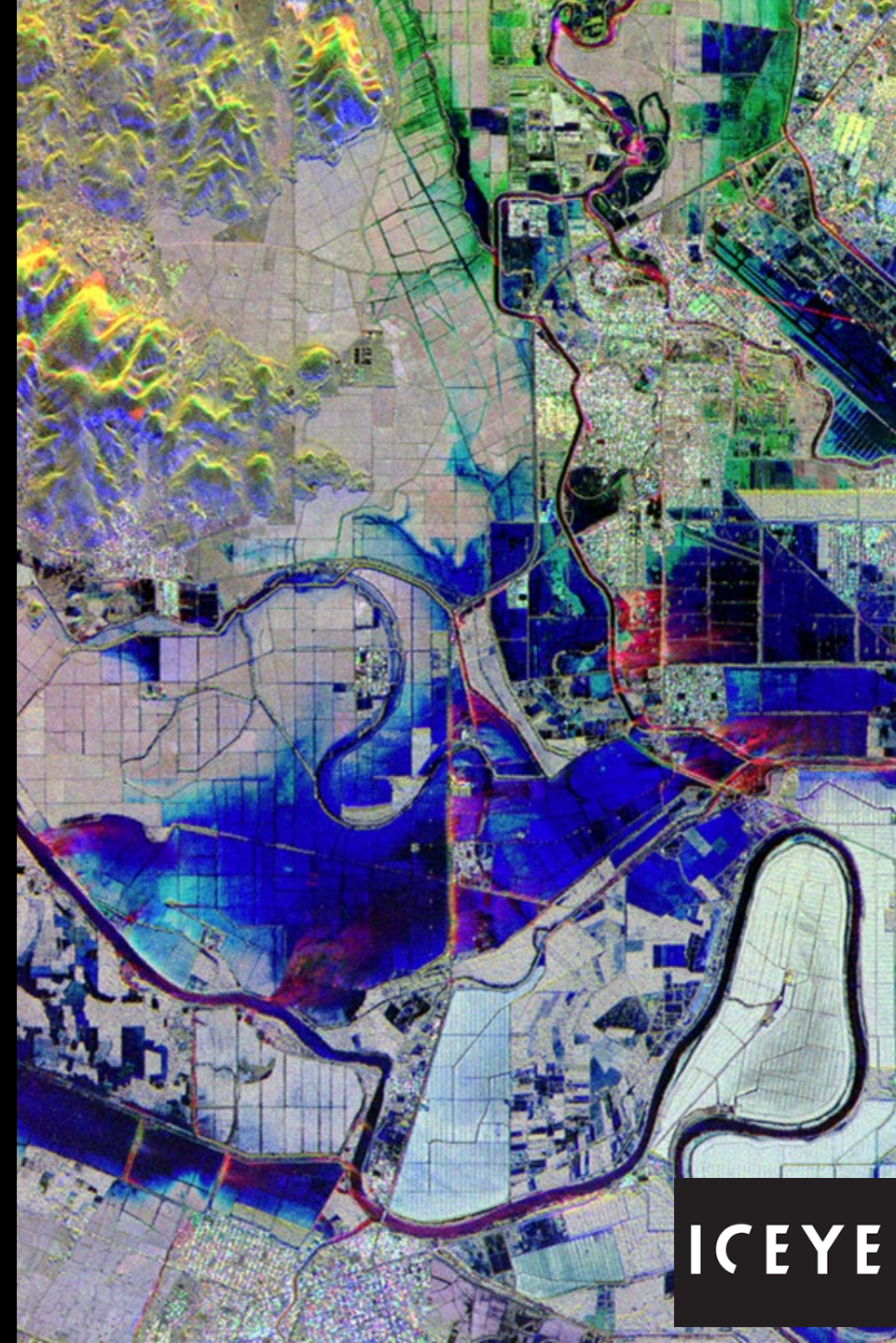
- **Onboard SAR processing**
 - Expedite feature extraction
 - Optimize data transfer/downlinking
 - FPGA low power/low latency
- **Federated learning**
 - Tipping & Cueing
 - Adaptable SAR acquisition modes

Daily Revisit→

High Resolution→

Data Volume→

Preserve complex physics



ICEYE