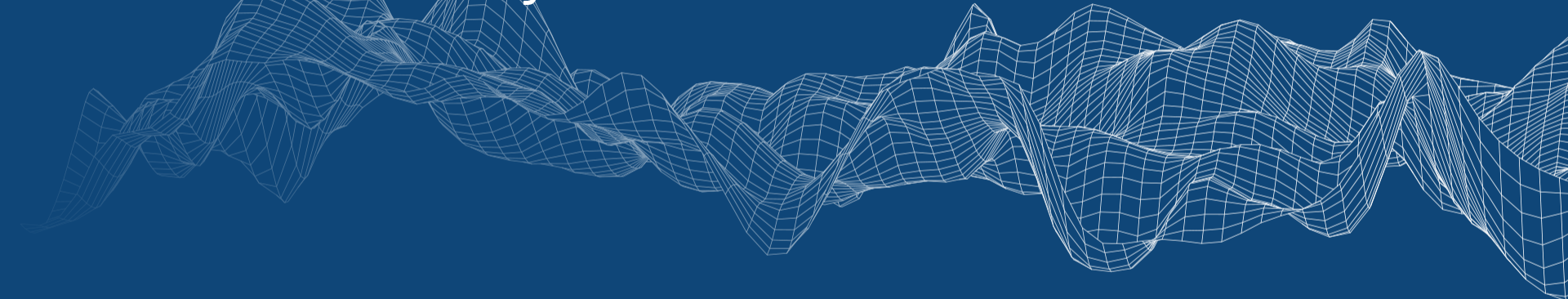
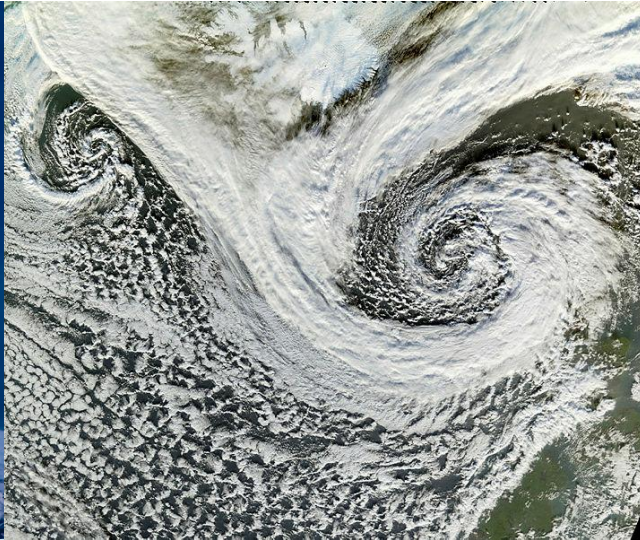


A bridge between science and community

The Icelandic Met Office – A Multi Hazard
Agency

” The main purpose of IMO is to contribute towards increased safety in society through forecasting, warnings and research and as an advisor when it comes to resilience and sustainability





 Icelandic Met Office

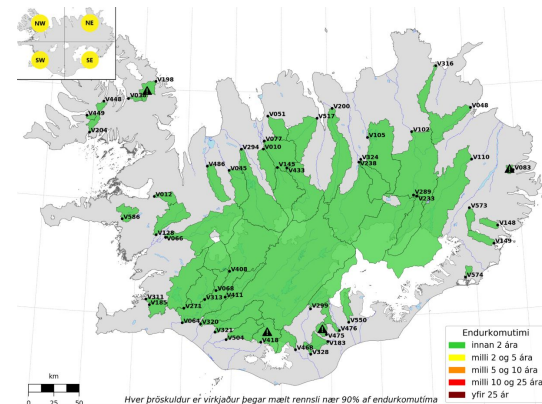
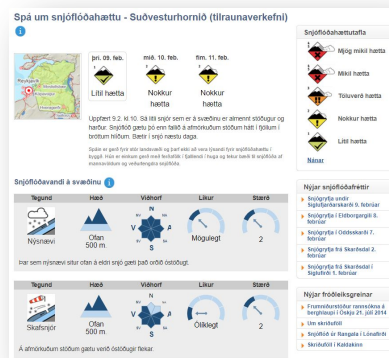
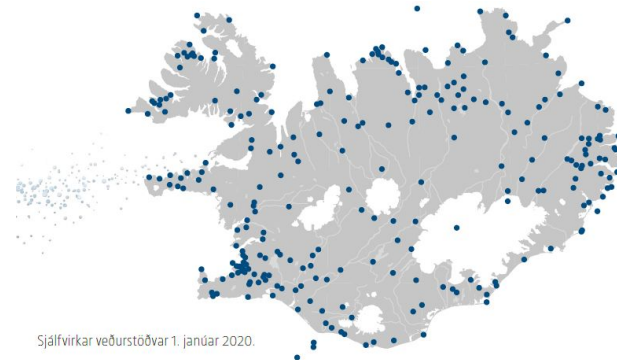
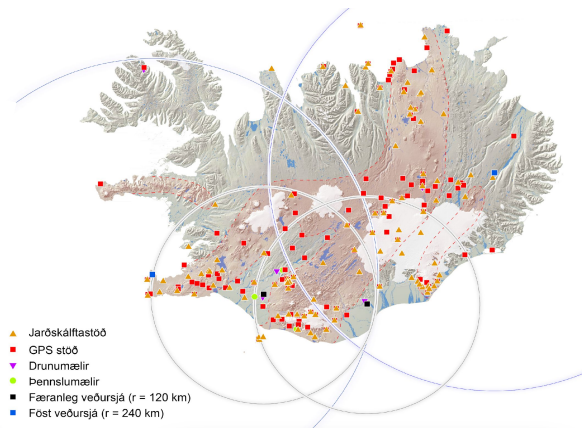
Geophysics

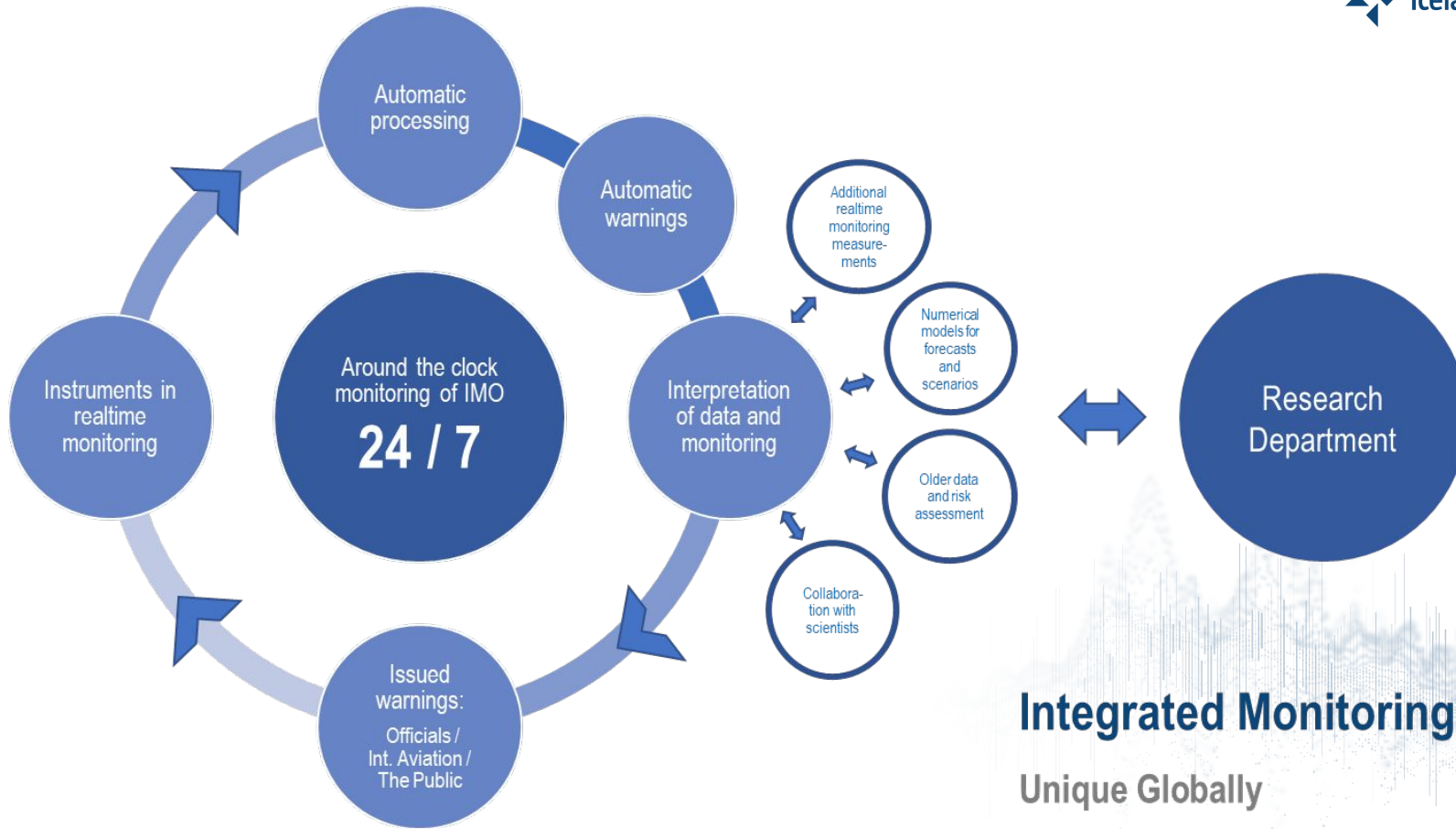
- Seismicity
- GPS deformation
- Volcanic Gas monitoring

- Flooding in rivers
- Flash flooding
- Permafrost thawing

- Meteorological stations
- Satellite imagery
- Radar

- Warnings for localized hazard
- Avalanche forecasts for mountain regions





International co-operation plays a big role

Important to knowledge growth and financing of projects



- Geophysical hazards have provided a huge challenge in the past years

2023-01-02



The ongoing volcanic crisis
will become an important
chapter in Iceland's modern
history



Photograph: RAX

Our structure

A service based structure



Impact-based warnings

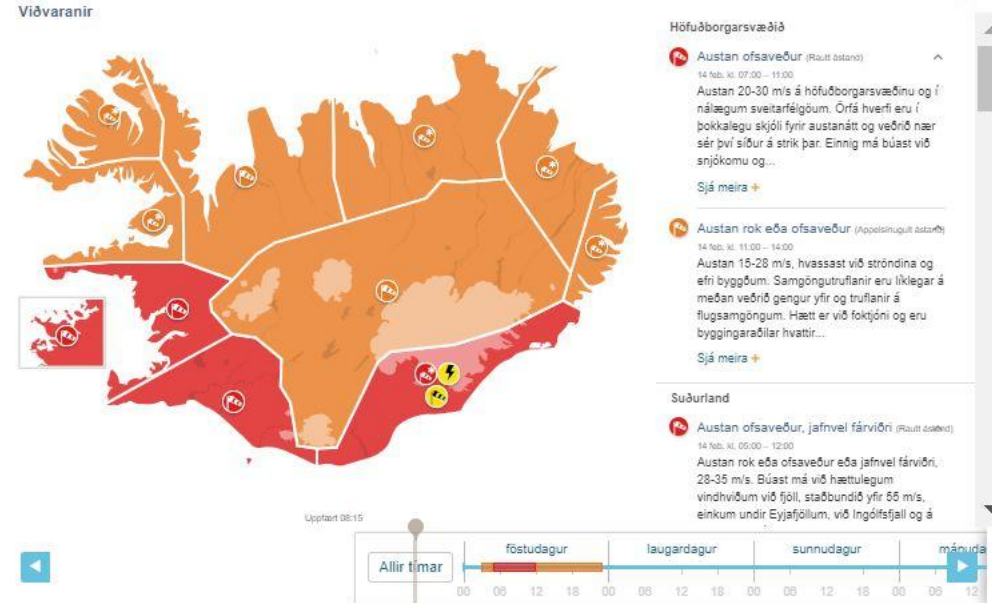
Common alerting protocol

A WMO initiative to simplify communication of weather hazards worldwide while keeping the integrity of warning thresholds in each country

Became operational in Iceland late 2017

Currently used for weather, but landslide warnings in development – other hazards may follow

Has had a major impact on the way we communicate hazards to the public and stakeholders



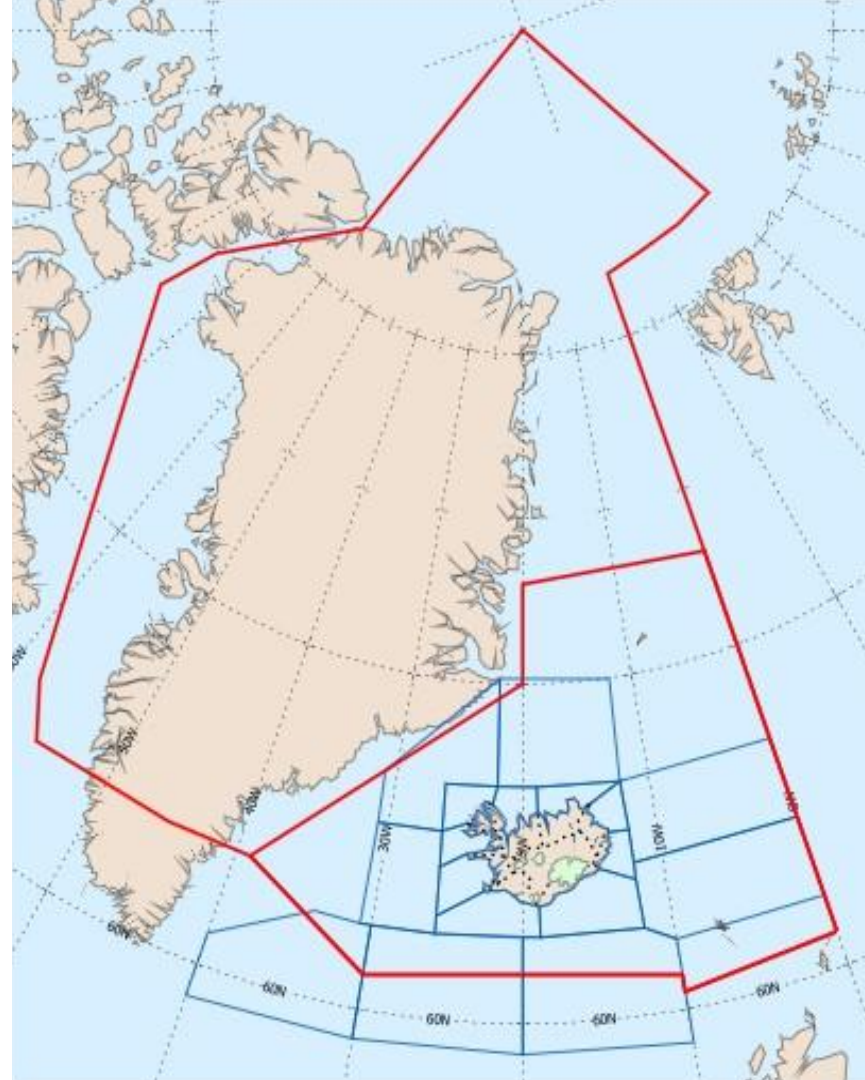
A huge aviation control area

IMO monitors Iceland's aviation control area and forecasts turbulence, icing and mountain waves as well as aerodrome forecasts for aviation

IMO is a "State Volcano Observatory" named by the Icelandic transport authorities and ICAO

The Icelandic state volcano observatory includes:

- Monitoring of volcanoes
- Monitoring of active eruptions
- Monitoring volcanic ash and gas in the atmosphere





Climate
change
The next big
task

! Polls show that
84% of the
population say
that they trust
the IMO





THE BLUE LAGOON RESORT
AND HS ORKA POWER PLANT
Distance: 3 km

CAPITAL OF
REYKJAVÍK
Distance: 38 km

TOWN OF
GRINDAVÍK
Population: 3,800

Volcanic
eruption,
14 January 2024

Photo: Björn Oddsson