



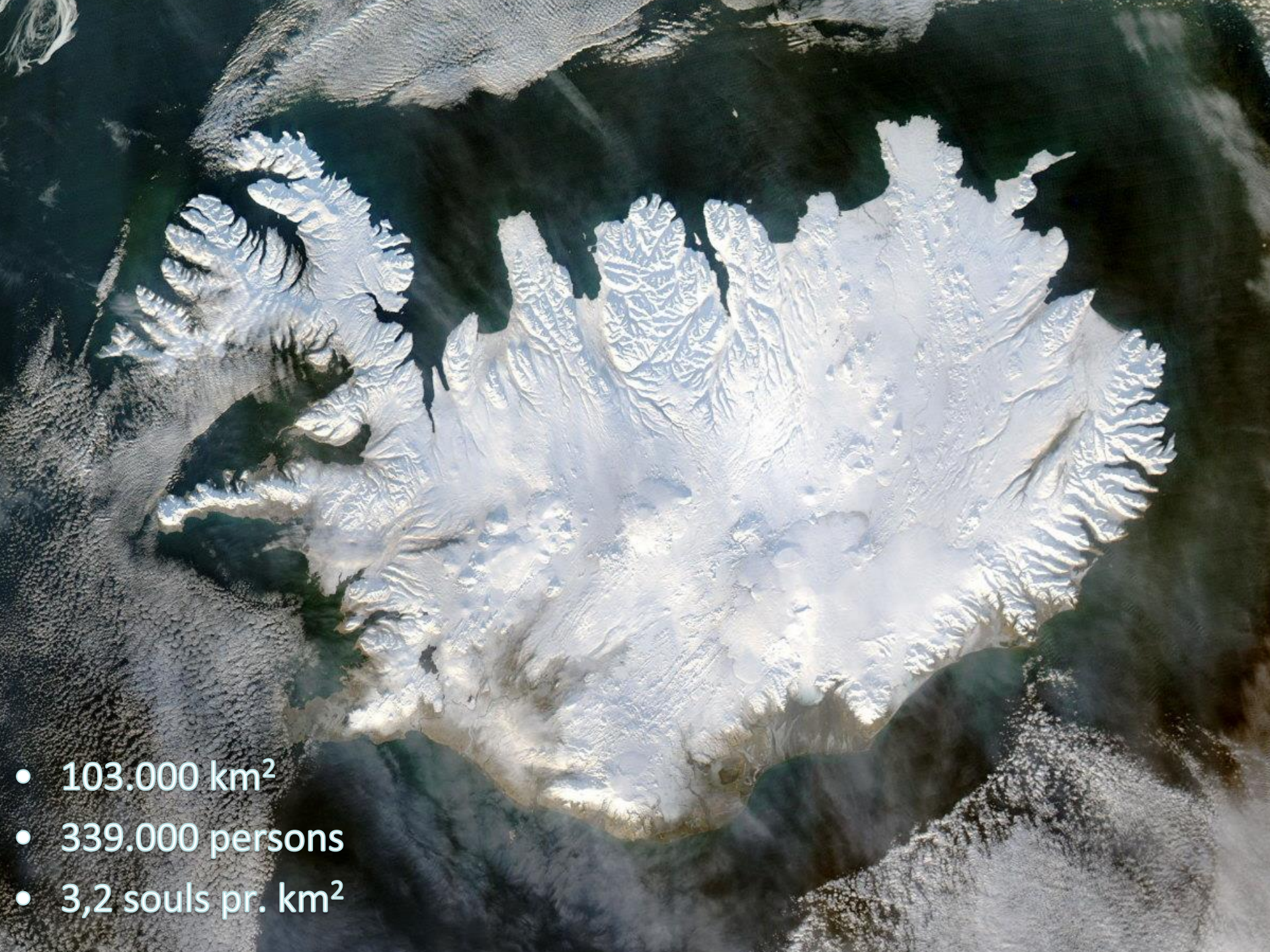
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SAR in Iceland

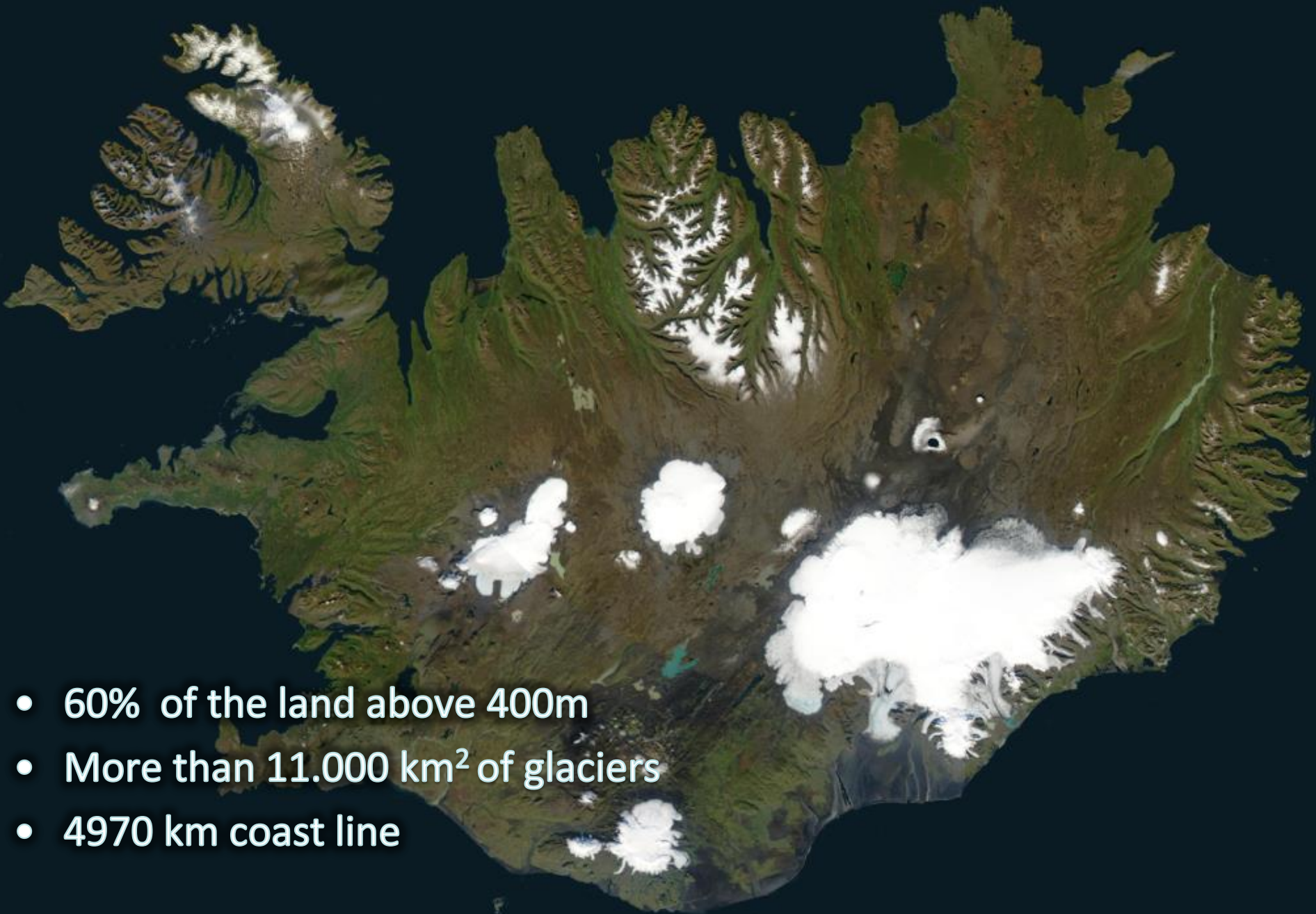
Search and Rescue on the Rock

Þóra Jóhanna Jónasdóttir

ICE-SAR



- 103.000 km²
- 339.000 persons
- 3,2 souls pr. km²



- 60% of the land above 400m
- More than 11.000 km² of glaciers
- 4970 km coast line

Boats



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Land



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Search and rescue dogs



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SAR in Iceland – ICE SAR

- The backbone of SAR in Iceland
- Do nearly all of the SAR work on all levels
- Have their own command structure that integrates the police as legally responsible
- All volunteers



ICE-SAR

The ICE SAR statistics

- 91 SAR teams based in most towns and villages
- 4200 SAR volunteers available 24/7
- 80 Accident prevention units
- 50 Youth units (pre-training program)
- Headquarters staffed with 16 people
- 12-1300 operations a year



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SAR-Teams

- 170 Modified Rescue Trucks
- 200 Snow Scooters
- 43 Snow Cats





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SAR-Teams

- URBAN SAR
- Mountain Rescue
- Medical
- Avalanche
- Maritime
- Diving
- K-9 search dogs
- Etc.





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International SAR Team

- Founded 1999
- Part of INSARAG under the UN
- Classified by the UN as a medium USAR Team since 2009
- Volunteers from ICE-SAR's rescue teams
- Callouts to Algeria, Morocco, Indonesia and Haiti



Finances

- **Headquarters**
 - Slot machines
 - Gov. Support
 - (Fundraising)
- **SAR teams**
 - Fireworks 80%
 - Lottery
 - Christmas trees
 - Recycling bottles





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Civil protection

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Civil Protection

- ICE SAR is a part of the agreement on civil protection
- Our command structure is used in the agreement
- National command and Area commands
- Rescue teams

ICE SAR and civil protection

- ICE SAR teams play a key role in civil protection
 - Basic agreement
 - Agreements made by different teams
 - In all preplans



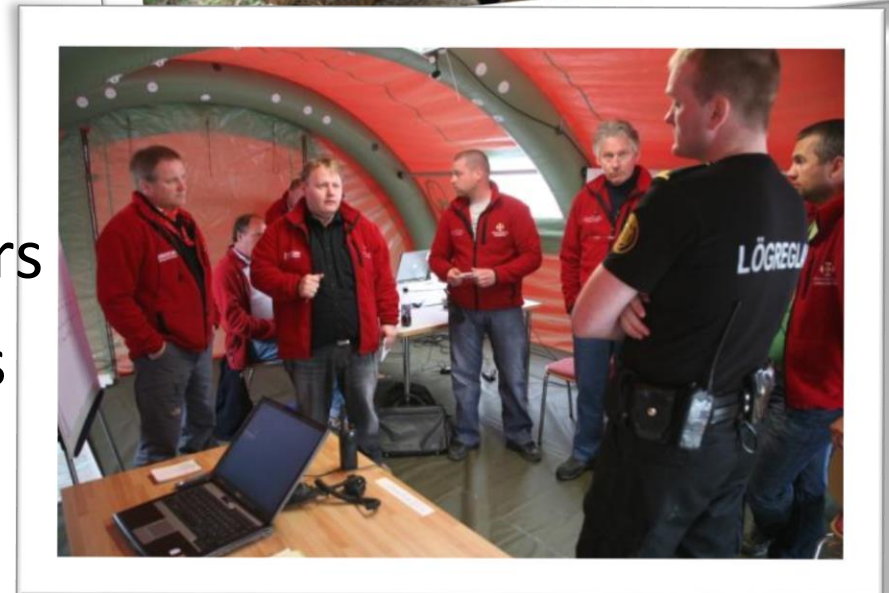
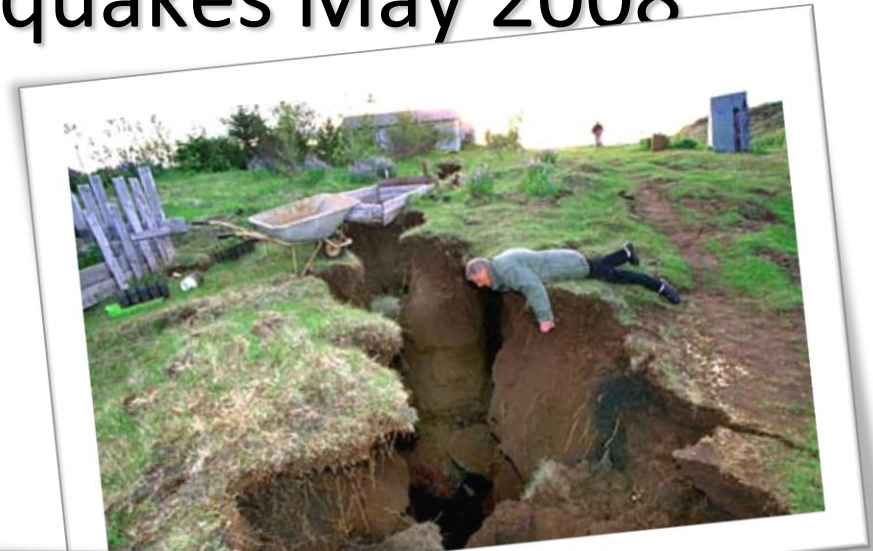
Case Study:

South Coast earthquakes May 2008



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- 6,1-6,3
- 440 ICE SAR
Volunteers
- Police
- Fire departments
- Hospitals
- Red Cross volunteers
- Ambulance services
- Many others...



Case Study:

South Coast earthquakes May 2008



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- Urban SAR
 - Many houses with structural damage
- Management
- Visiting all residents
 - Most houses were heavily affected
 - Many needed help cleaning up the mess
- Supplied tents, generators and other gear.
- Many other assignments



Case Study:

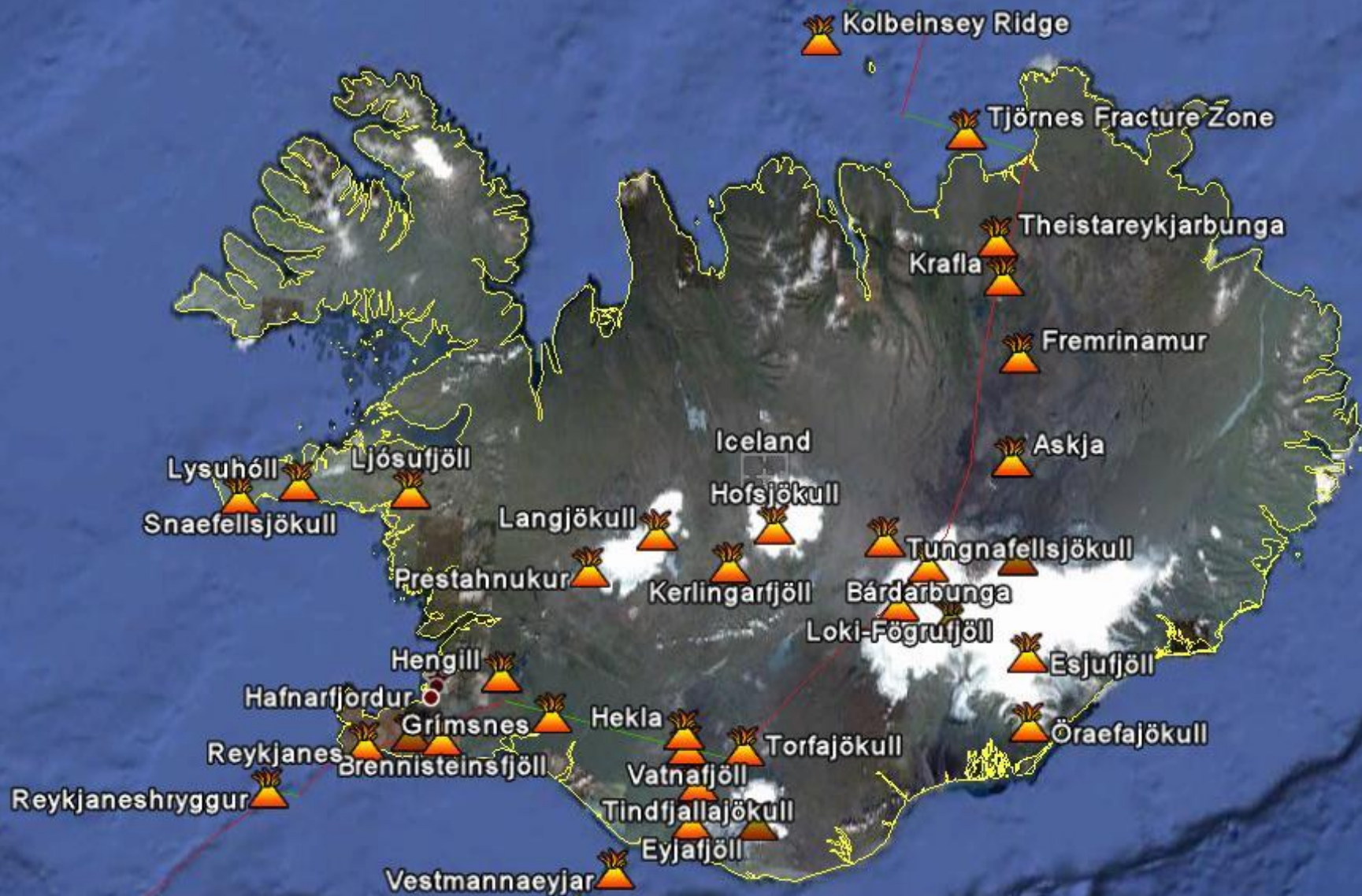
South Coast earthquakes May 2008



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- Lessons learned:
 - The command systems were available but were not used
 - Checking every single home is important for the local people
 - Icelandic houses are strong but the need for Urban SAR remains
 - Training is needed for general SAR teams





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Image IBCAO



113 mi

66°10'33.67" N 20°10'45.30" W elev 0 ft

Eye alt 375.32 mi

Case Study:

2010 Eruptions

Fimmvörðuháls

- VEI 1
- ICE-SAR role: patrols, assistance to tourists

Eyjafjallajökull

- VEI 5
- ICE-SAR role: evacuation of farms, patrols (closing of roads), relocation of livestock, assistance to tourists, assistance to scientists.



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Case Study:

2011 Grímsvötn Eruption

- VEI-6 (in one day)
- ICE-SAR role: evacuation of farms, patrols (closing of roads), relocation of livestock, assistance to tourists, **assistance to scientists.**



Case Study:

2014 Bárðarbunga Eruption

- Largest lava eruption since 1783
- Caldera is „imploding“
- ICE-SAR role: patrols (closing of roads), assistance to tourists, **assistance to scientists.**



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2014 Bárðarbunga Eruption





SLYSAARN
LANDSERVICE



Hundeorganisasjóner

Slysavarnarfélagið Landsbjörg



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Björgunarhundasveit
Íslands

<http://bhsi.is/>



Leitarhundar

<http://leitarhundar.is/>



Rescue dog organisations



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On call out
19 dog teams

- 18 terrestrial search
- 15 avalanche



On call out
18 dog teams

- 14 terrestrial search
- 15 avalanche



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BHSÍ

- 2017
 - 94 times dog teams participated in search
 - 18 dog handlers
 - 41 call outs (1 avalanche)
- 2018
 - 23 times dog teams participated in search
 - 12 dog handlers
 - 7 call outs



BHSÍ

Björgunarhundasveit Íslands

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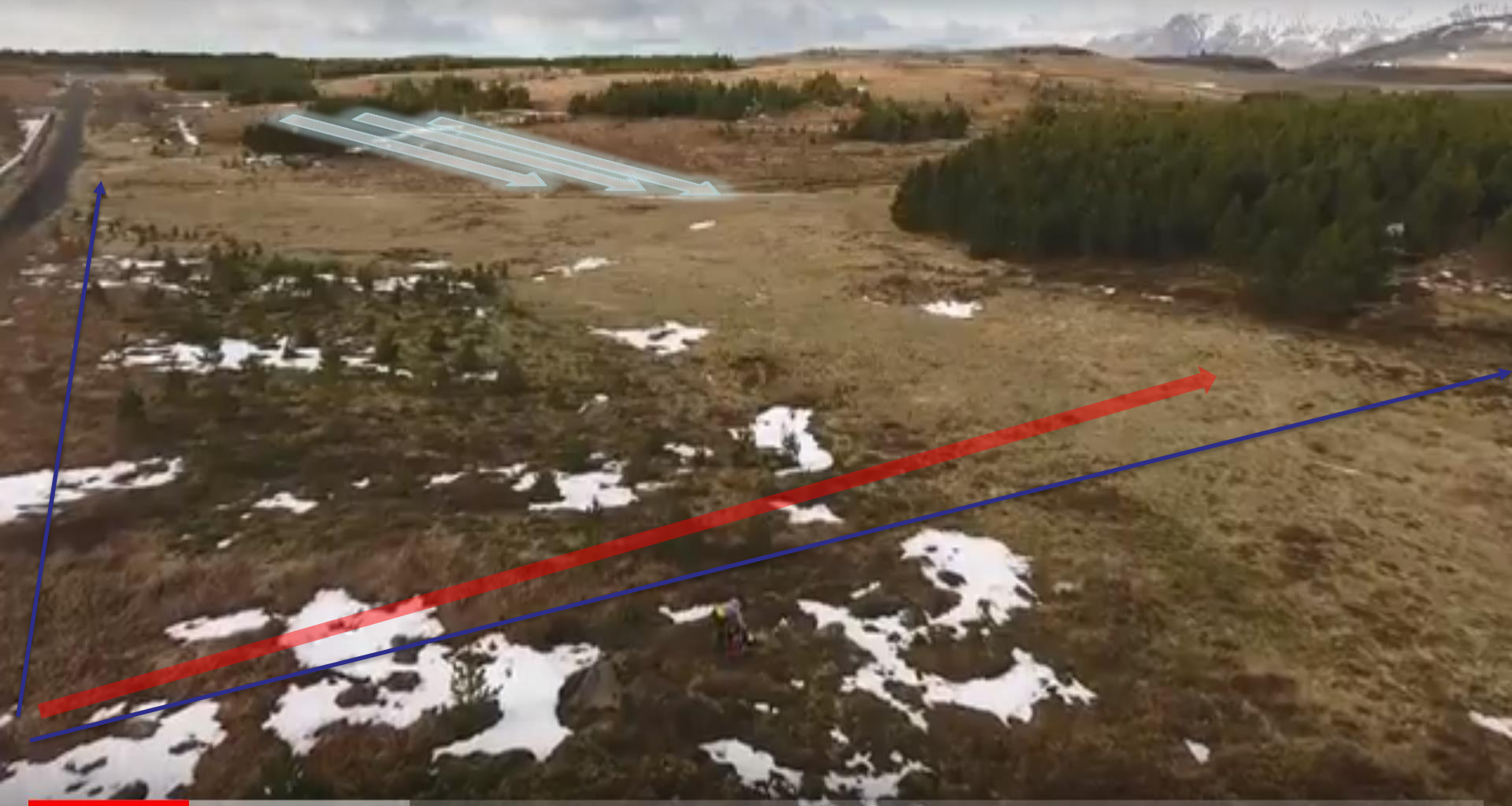


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promo2



▶ ⏪ 🔊 0:25 / 3:54



- https://www.youtube.com/watch?v=-6D_THAIL-k



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Thank you!