

# Eygleiðing av Gosfjøllum

## Virkin og “stein”deyð

Uni Árting  
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JARÐFEINGI  
FAROESE EARTH AND ENERGY DIRECTORATE

# Skrá

- Hví eygleiða gosfjöll?
- Virkin eldgos, Ísland
- Eldgos undir havsins botni, Hetlandsrennan



Mynd: NASA



# Hví eru gosfjöll áhugaverd?

- Hvussu nógv **virkin** gosfjöll eru á jörðini?
- **1/3** av allari grótbræðing seinastu 500 árin er komi upp í Íslandi
- **1** út av hvørjum **12** fólki á jörðini búgva í virknum gosøkjum
- Á Java búgva **120 mill** fólk nærhendis 30 virknum gosfjølum

Apríl 2010







# Tambora

1813

Indonesia



Koltur

Ca. 55 Mió  
Føroyar

# Hví fekk júst Eyjafjallajökull alt uppá kók?

- \$, £, DKK
- 104.000 fráferðir avlýstar í arpíl 2010
- 313 flogvöllir stongdir
- Uml. 10.000.000 ferðafólk beinleiðis ávirkað

*“Ringasta síðani Wright brøðurnir fóru á flog..”*

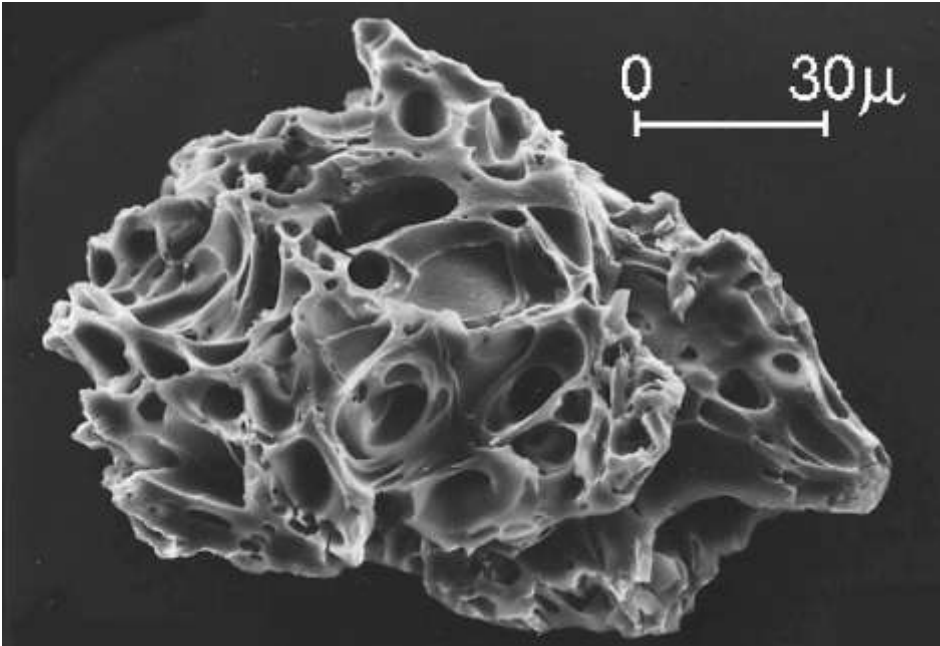
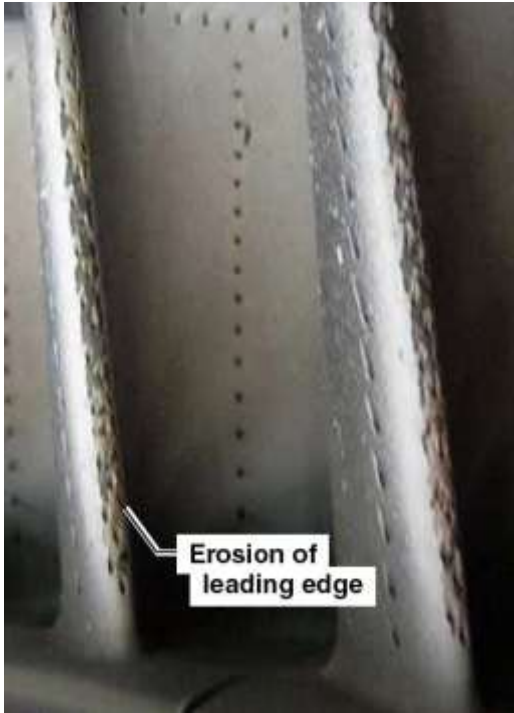
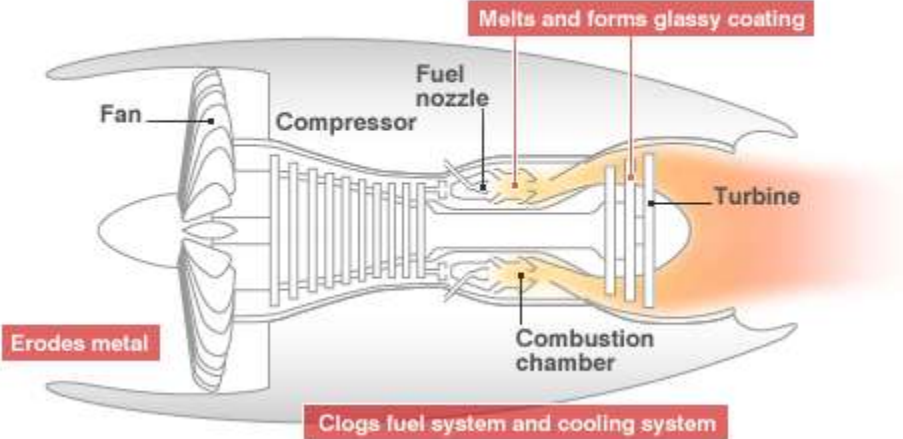
*“Ikki síðani seinna veraldarbardaga...”*

*“Størri ruðuleiki enn á 9/11...”*



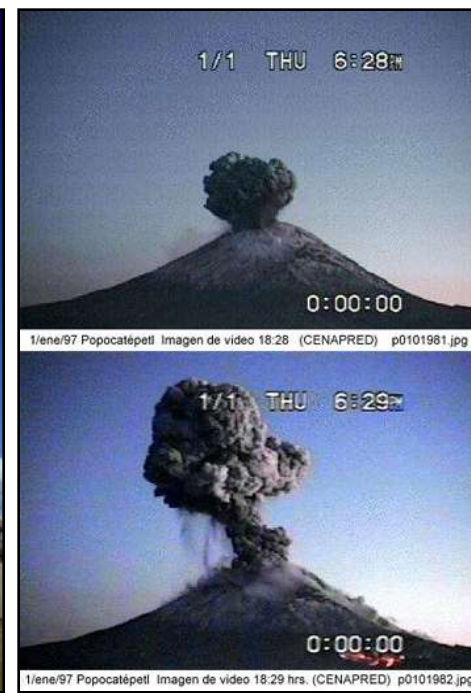
# Jet-motorar og øska / bad mix!

Effects of volcanic ash on jet engine





# Beinleiðis kontakt millum øsku og flogfar



**Mount Galunggung**  
*Indonesia*  
1982

**Mount Redoubt**  
*Alaska*  
1989

**Mount Pinatubu**  
*Filipinirnar*  
1991

**Popocatepetl**  
*Mexico*  
1997 - 1998

British Airspace  
747-236B  
Captain Moody

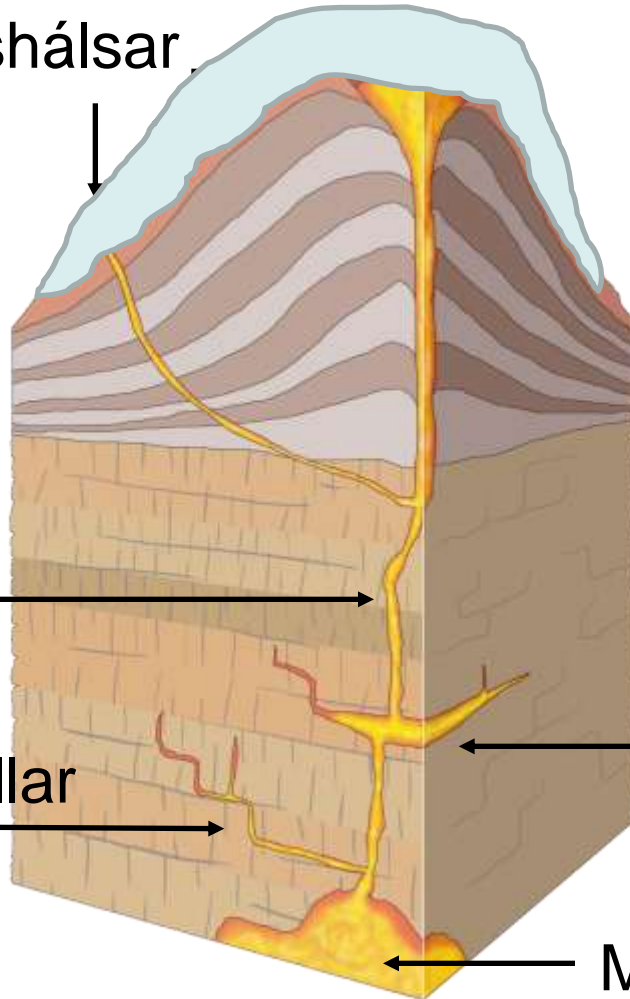
KLM

20 øsku tilburðir

Fleiri øsku tilburðir

# Jarðfrøðiligi bygnaðurin í gosfjøllum

Goshálsar



Rør/kanal

Gongir/Syllar

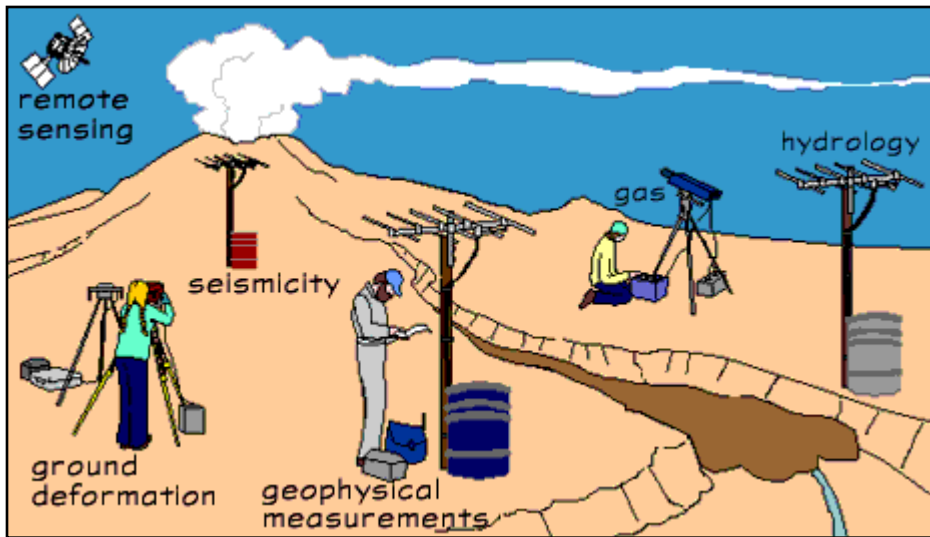
Magmakamar

Magmakamar

- Eitt gosfjall er ein ventilur ella ein skorsteinur ið bindur saman grótbræðing (magma) innan úr skorpuni við yvirflatuna
- Gosfjallið inniheldur eisini alt tilfarið sum sæst sum ein keyla.



# Eygleiðing av virknum gosfjøllum



# Eygleiðing í Íslandi



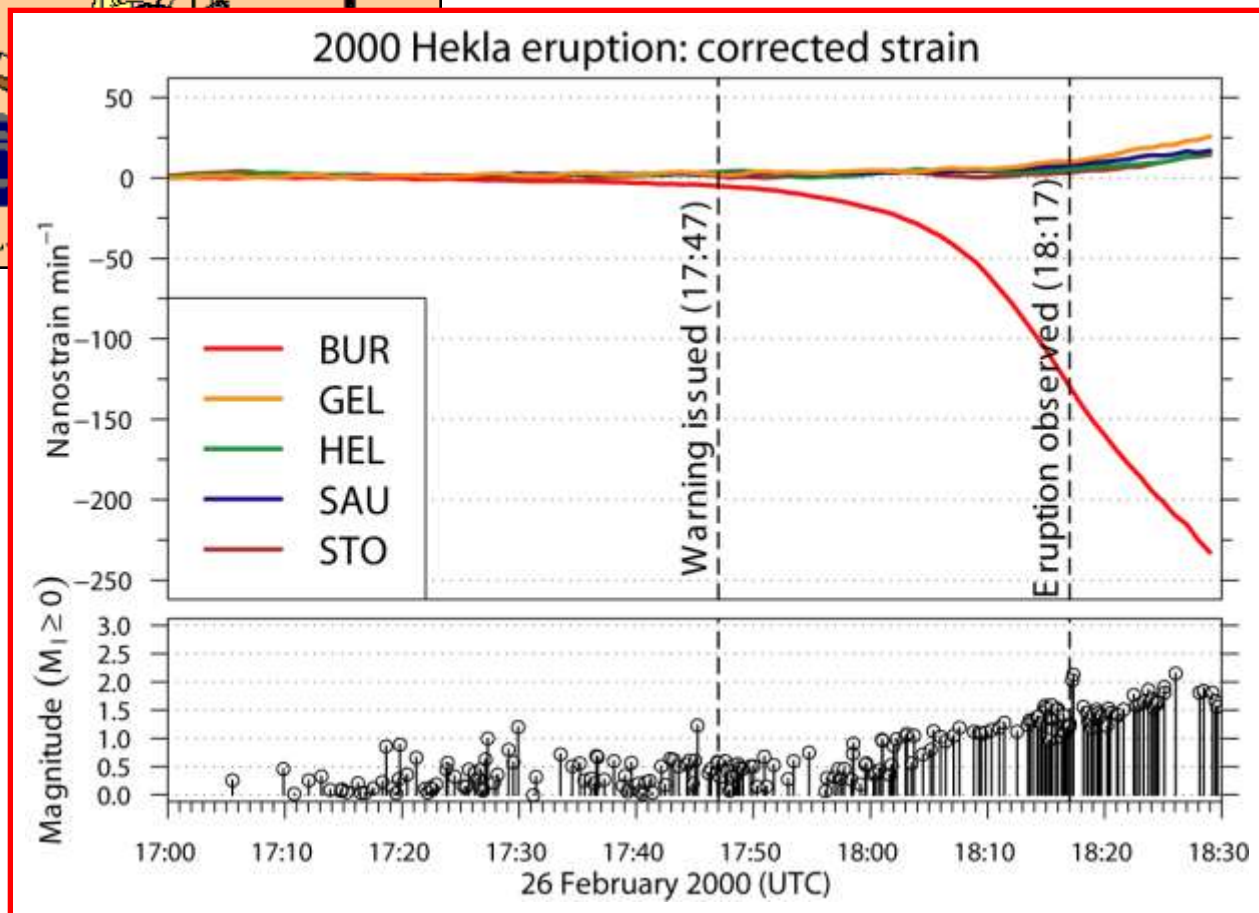
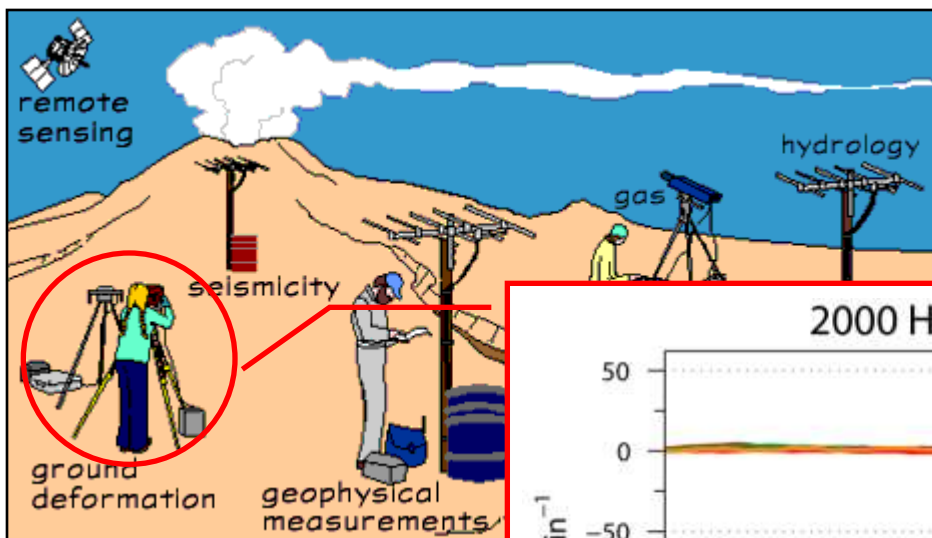
Mynd: Veðurstova Íslands, IMO

# Fjareygleiðing av gosfjølum



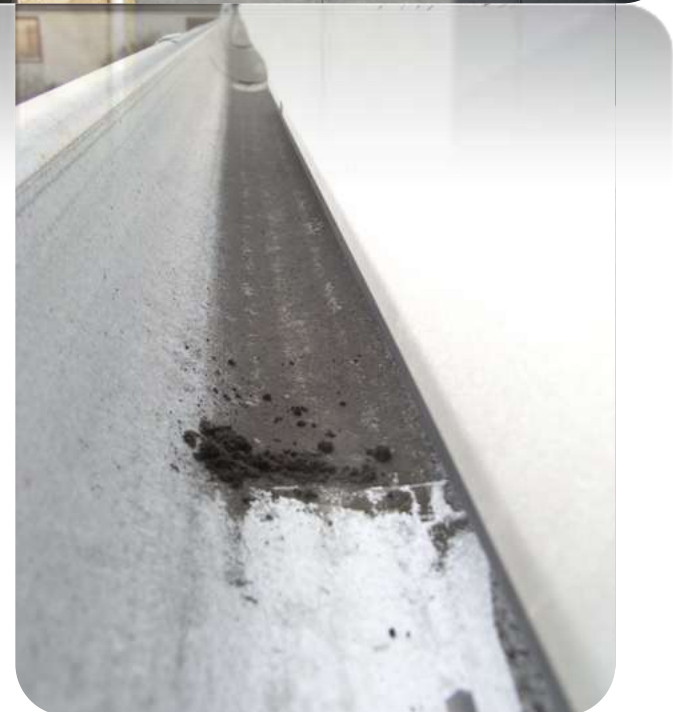


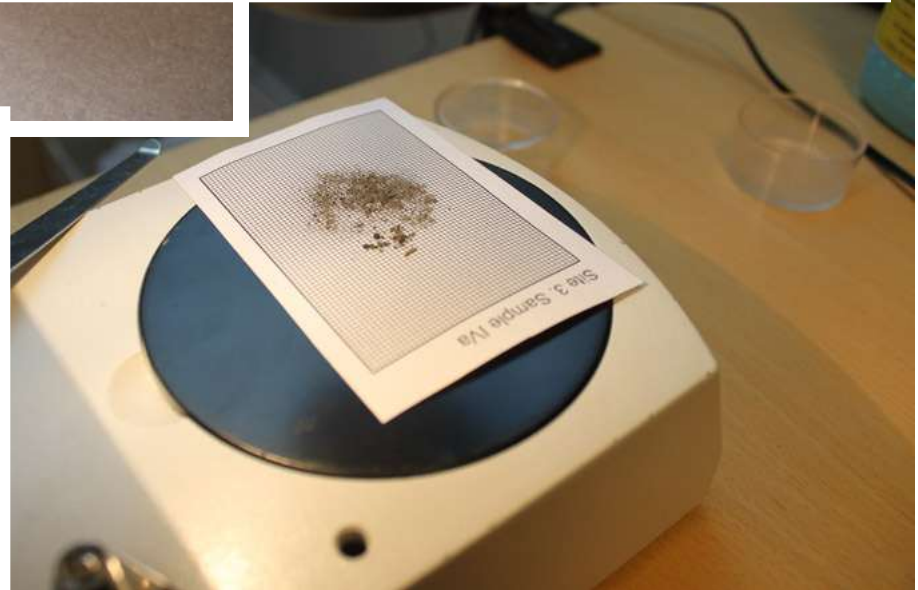
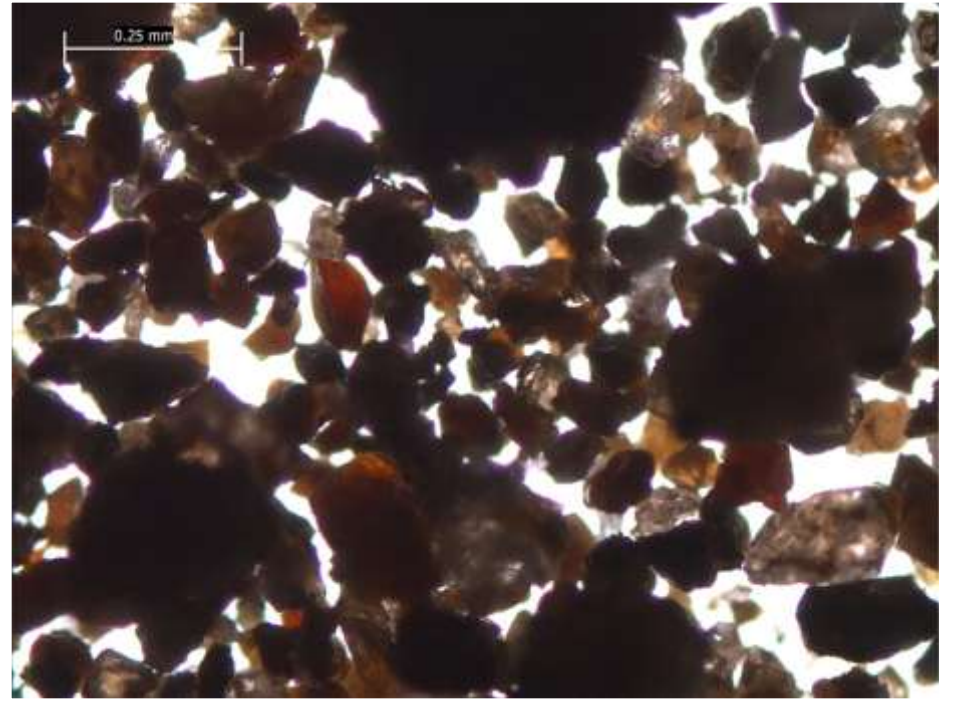
# Broytingar á jarðyvirflatuni (GPS)



# Hvussu reageraðu vit her í Føroyum

- Tíð/areal - spannir
- “Bulk” royndir – kava, takrenna

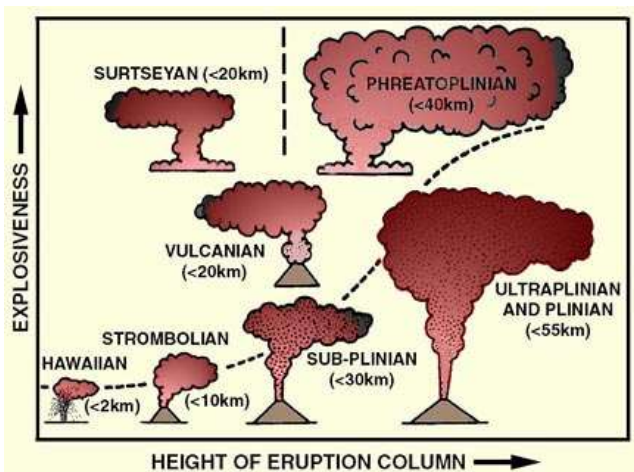




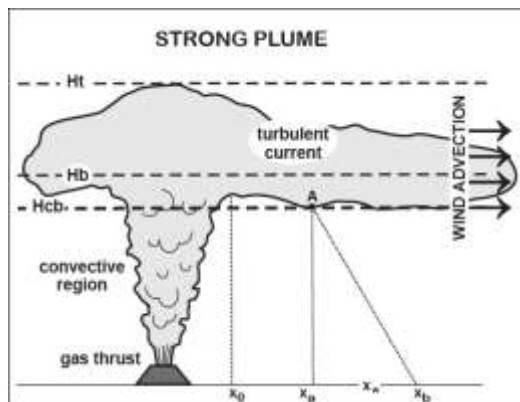


# Fyribils úrslit og hvat gera vit víðari

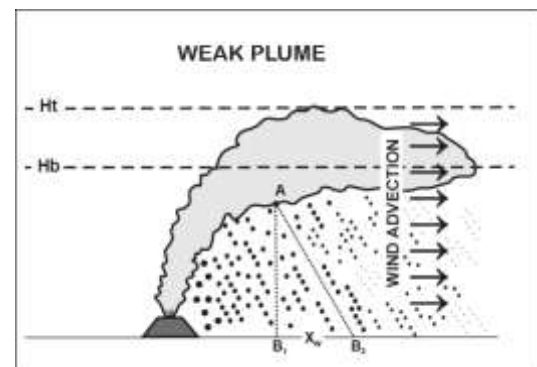
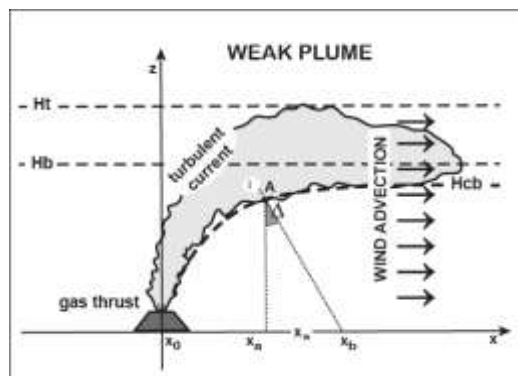
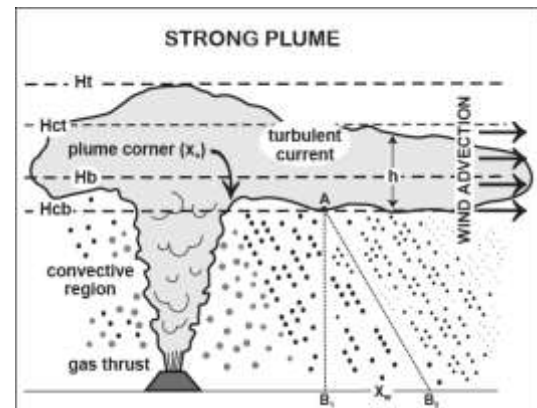
- **Nøgdir av øsku í Føroyum**
  - 15. til 16. apríl. umleið 1300 tons av øsku í Føroyum
  - Arbeitt verður víðari í Edinburgh við øsku-prøvunum
  - Luttaka í víðari samskipan av royndartøku av øsku



Vindferð avgerandi



Kornstøddin avgerandi



# Eyjafjallajøkull – vandin ikki av enn!



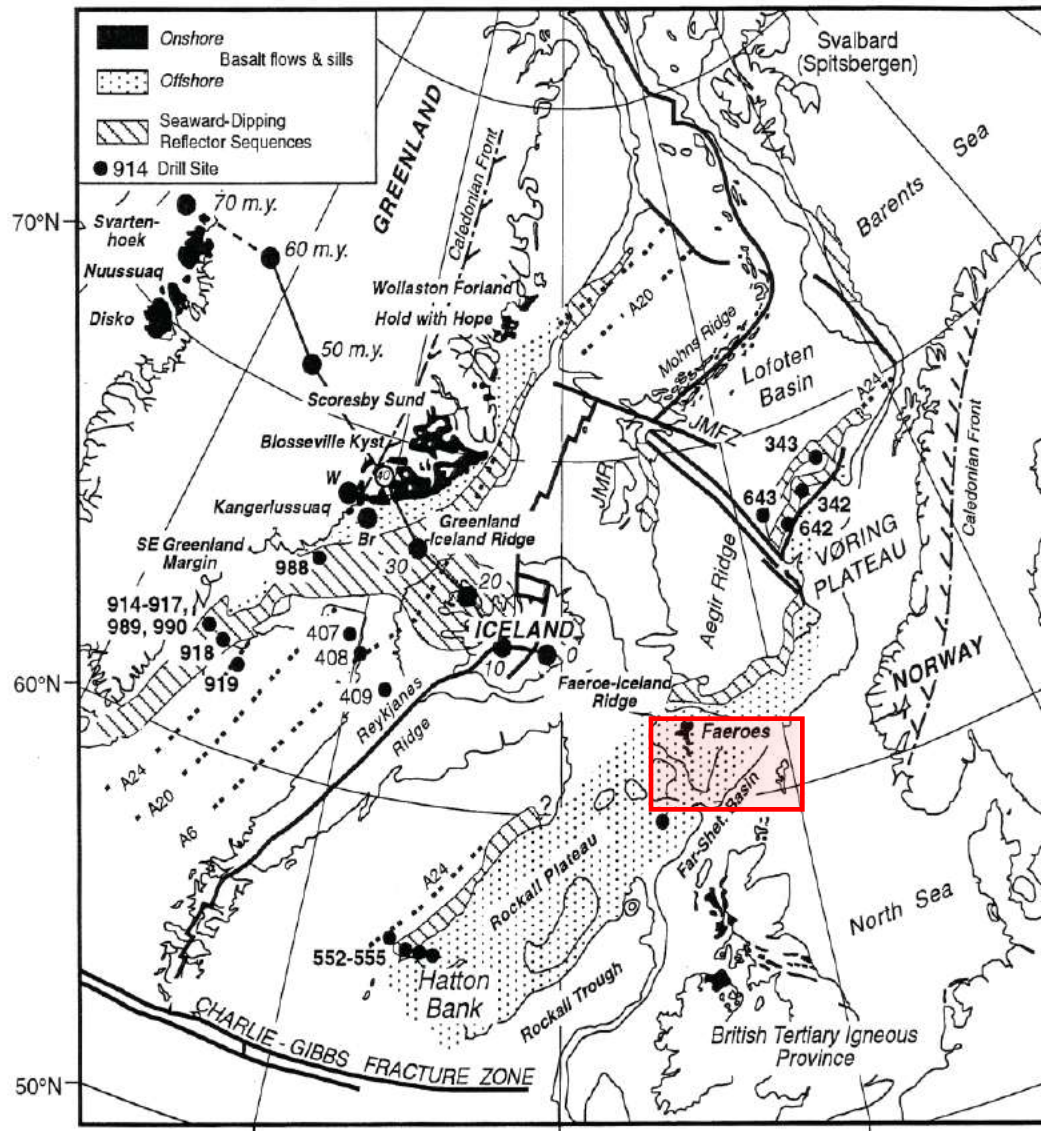


# Eyjafjallajøkull – vandin ikki av enn!

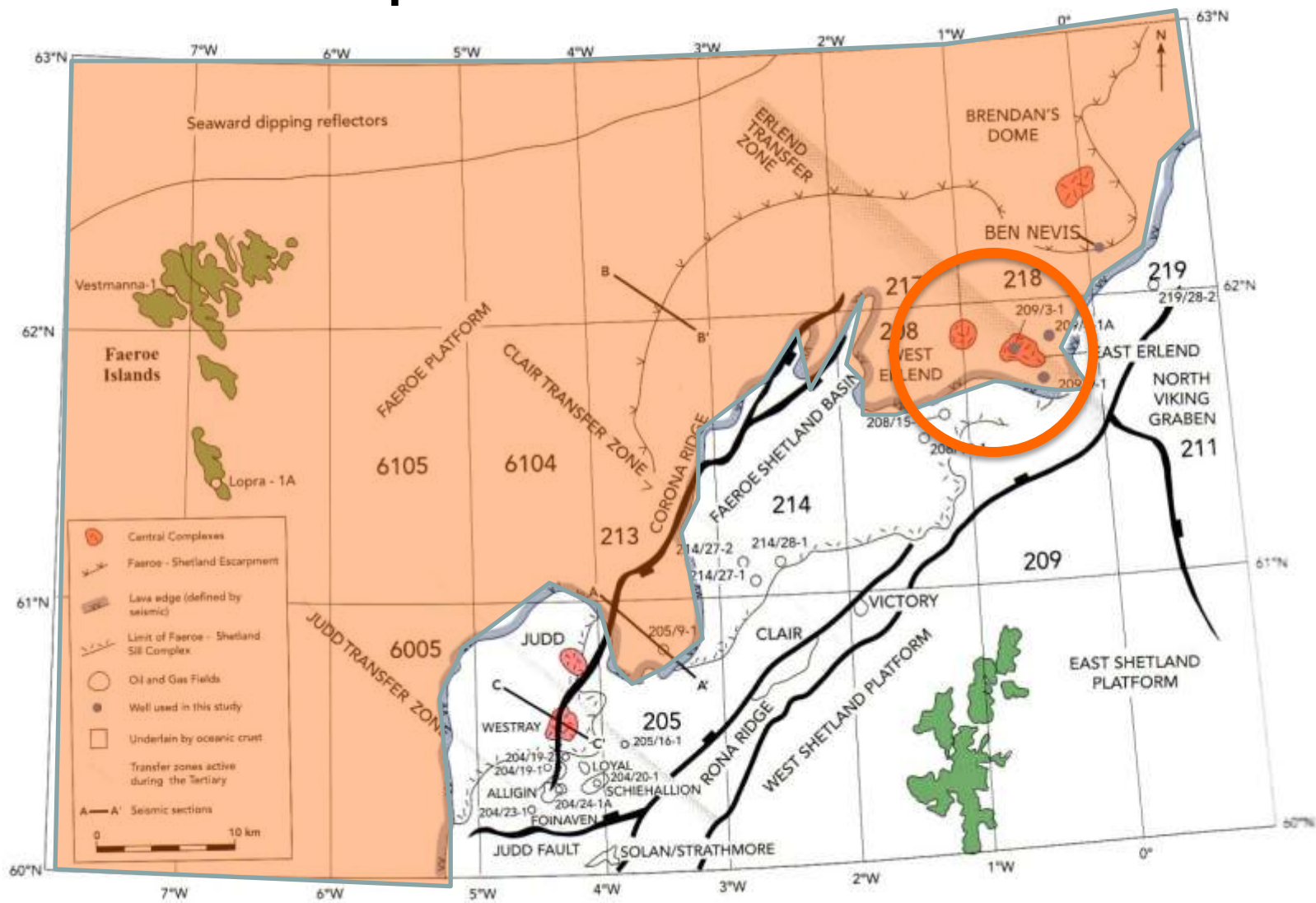




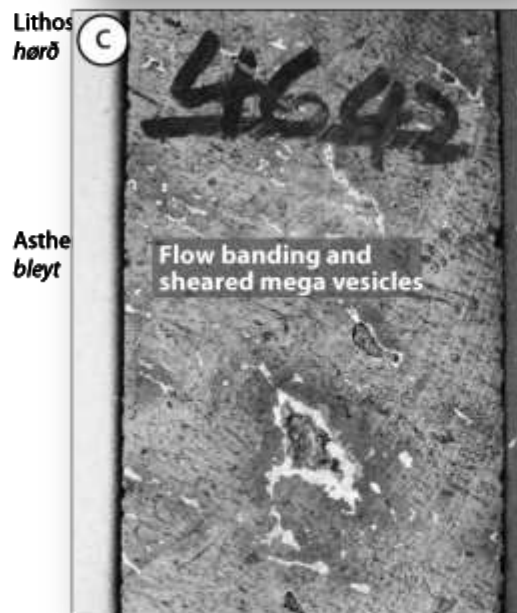
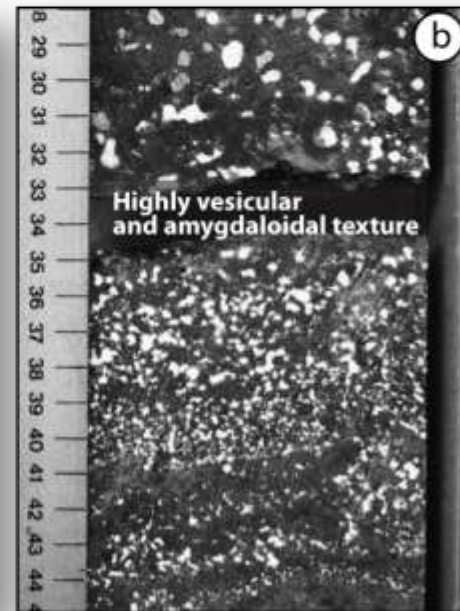
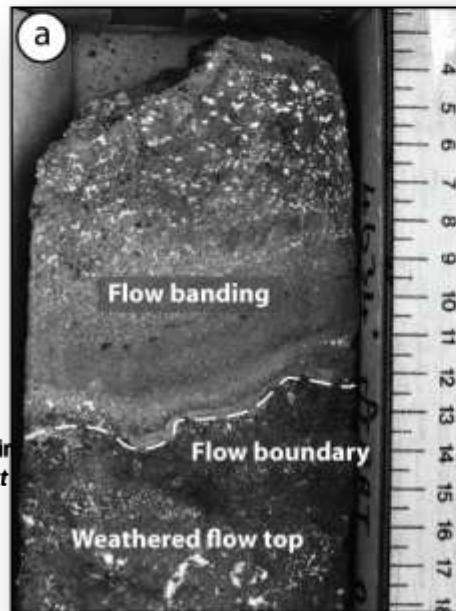
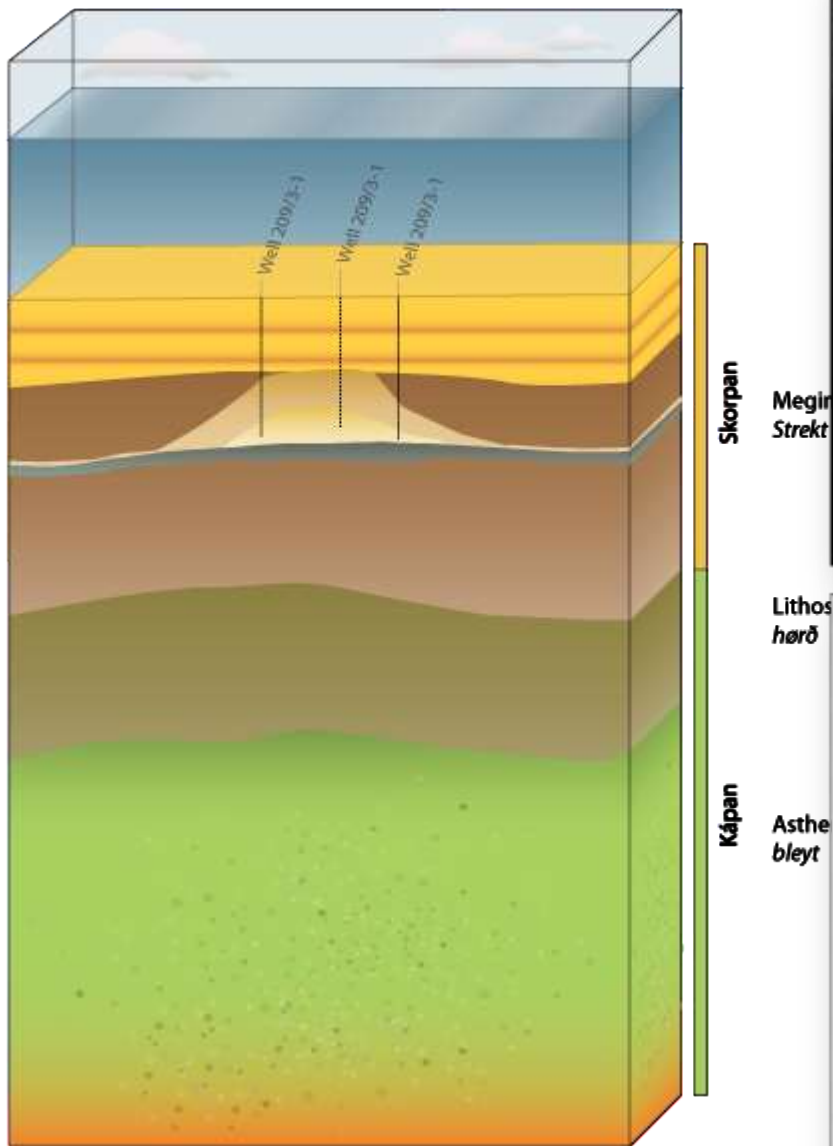
# Gosdeplar í Hetlandsrennuni



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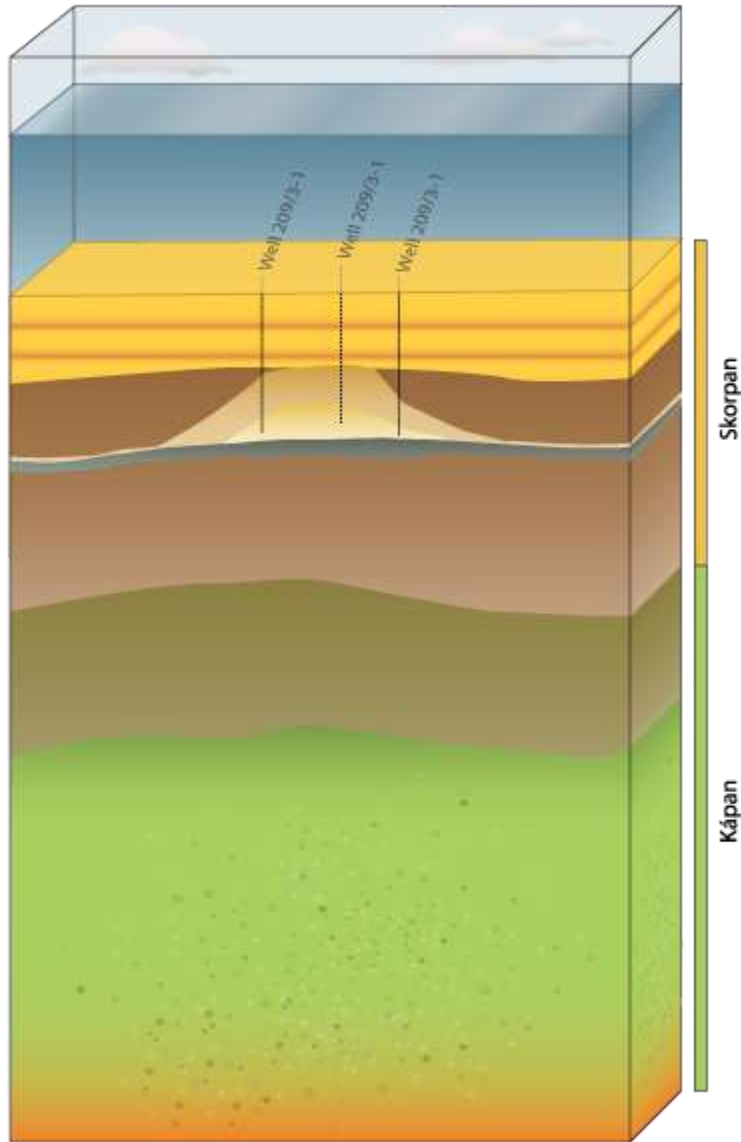


# Erlend gosdepilin





# Erlend gosdepilin

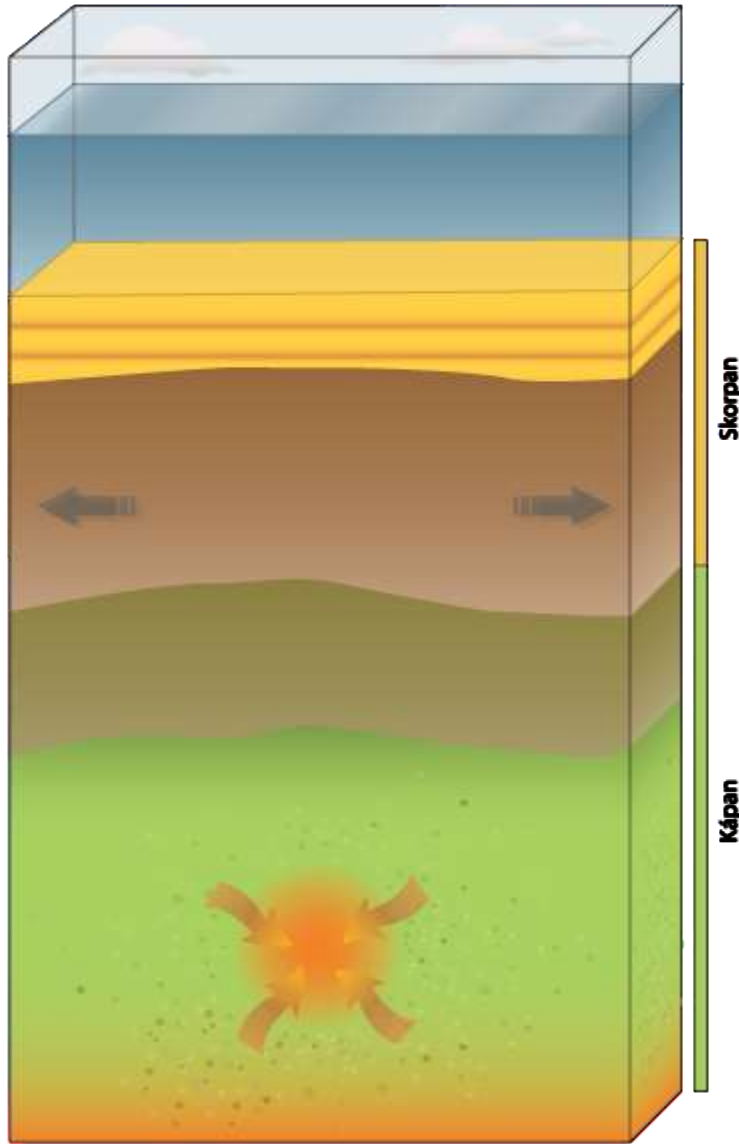


Borispónir



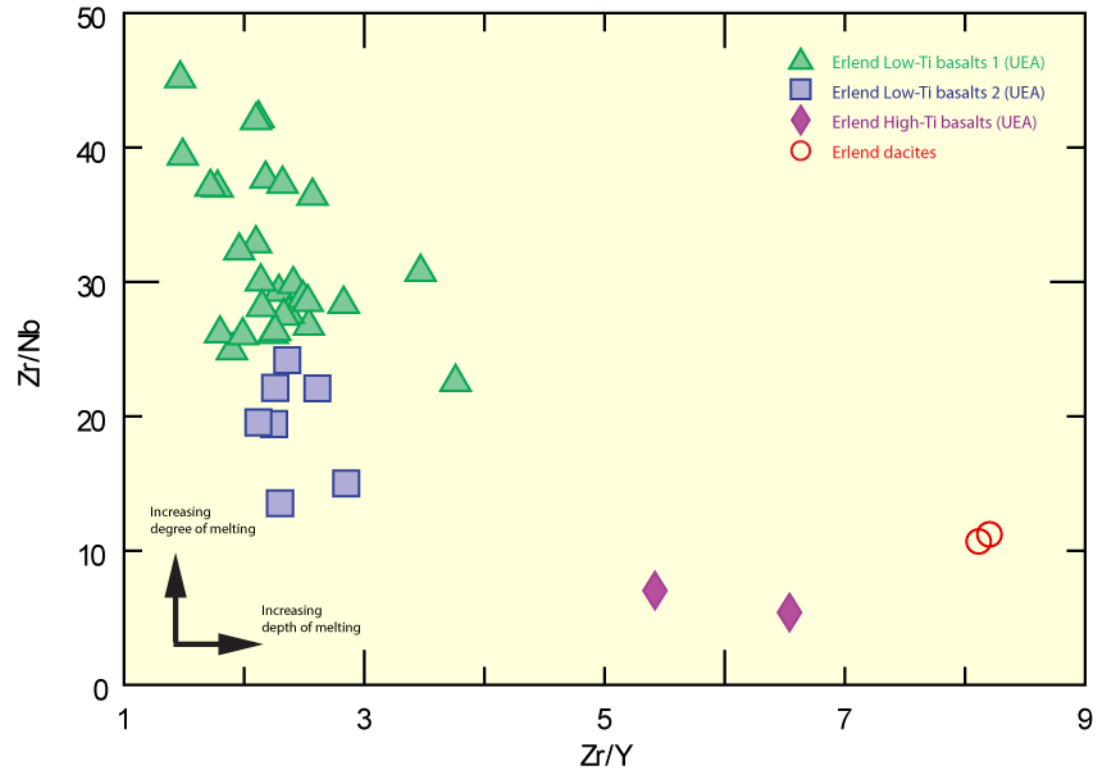


# Erlend gosdepilin



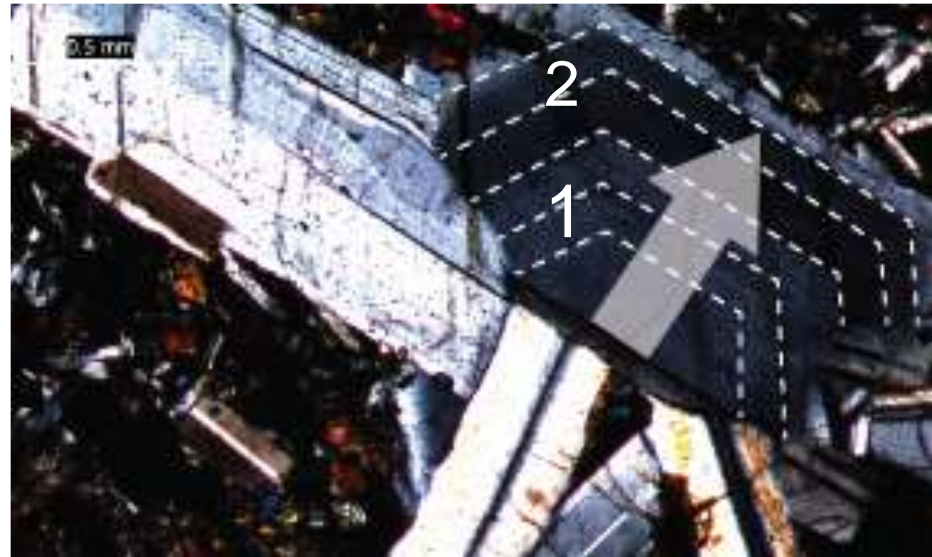
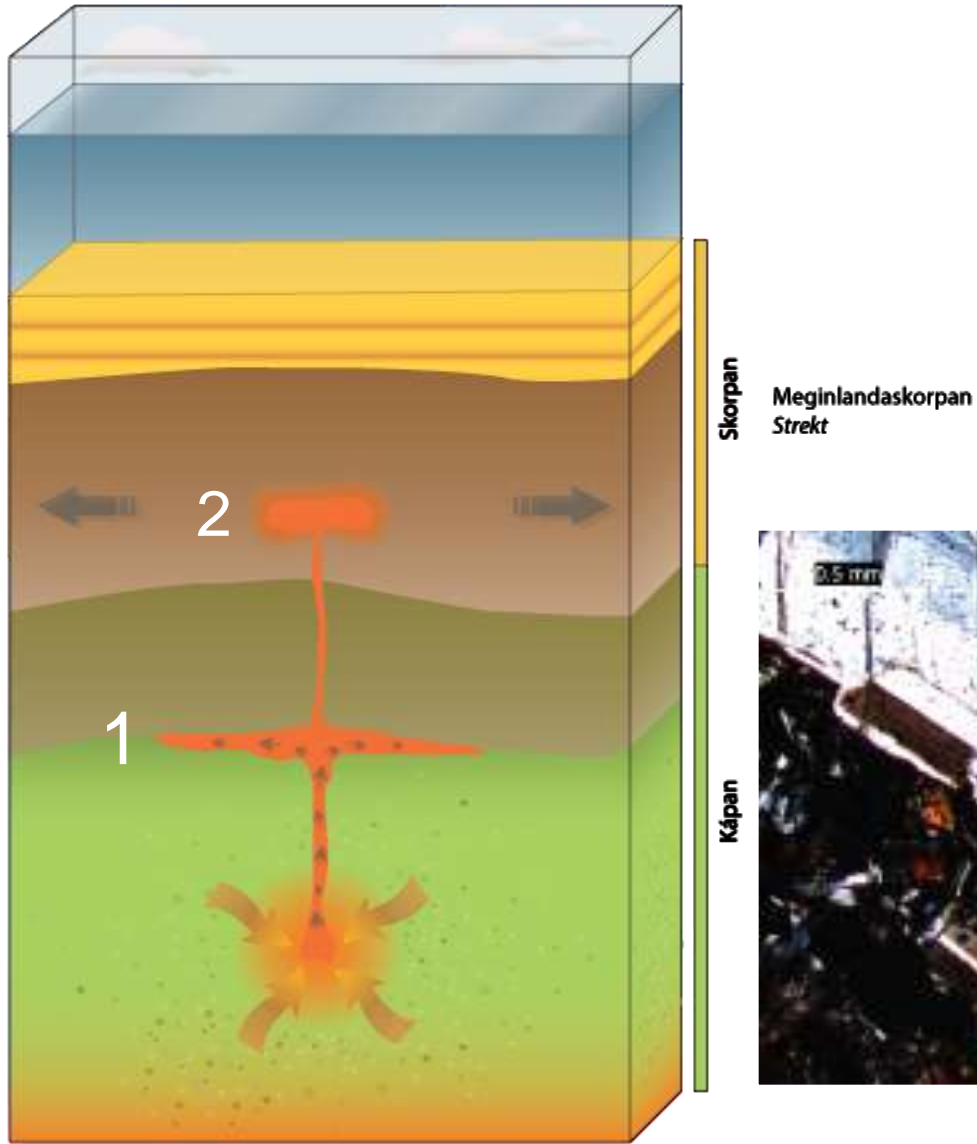
## Jarðevnafrøðilig modulering

- 4 bólkar av lava
- Ymisk dýpið á uppsmelting
- Ymisk mongd av uppsmelting
- “Dálking” frá leir/sandsteini
- Dynamisk skipan

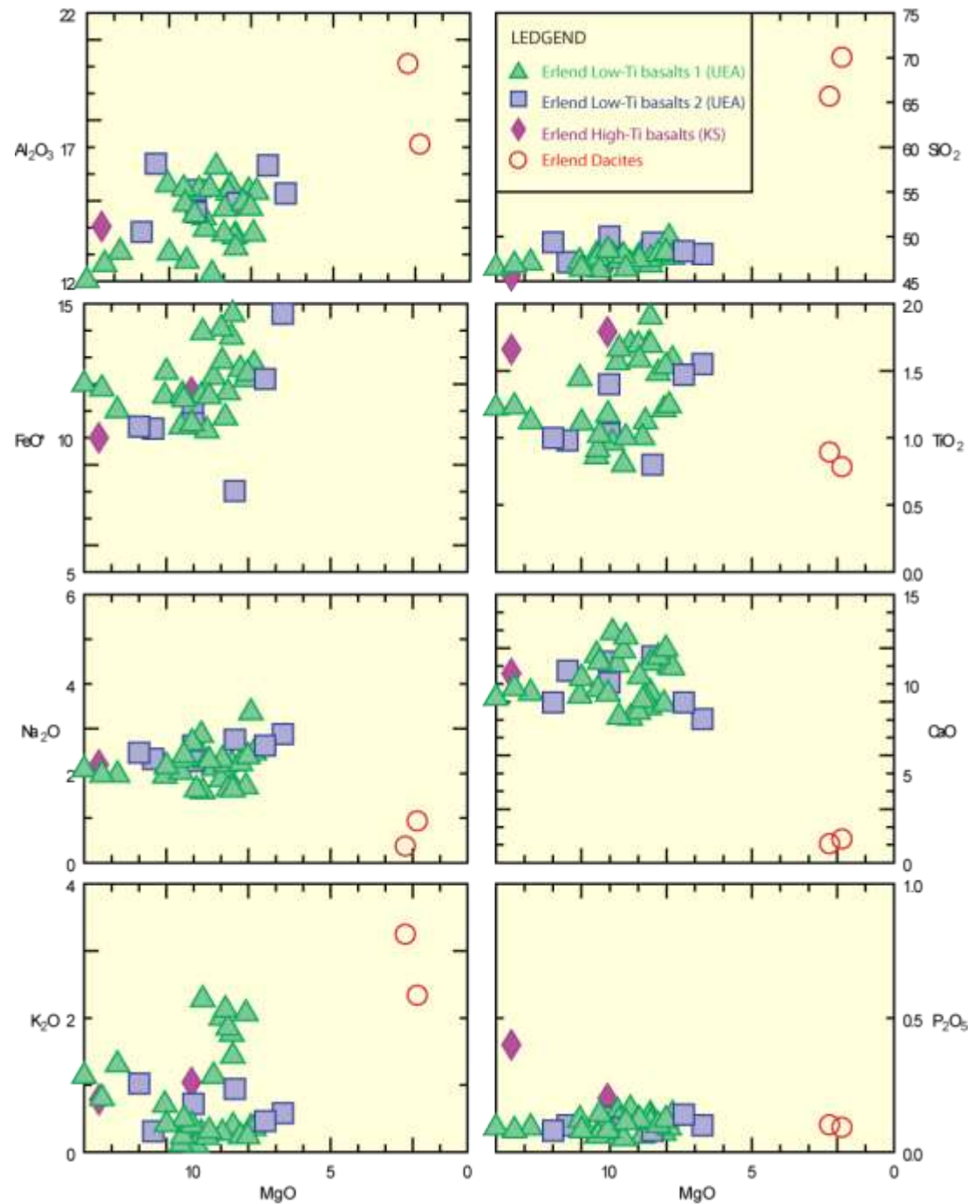
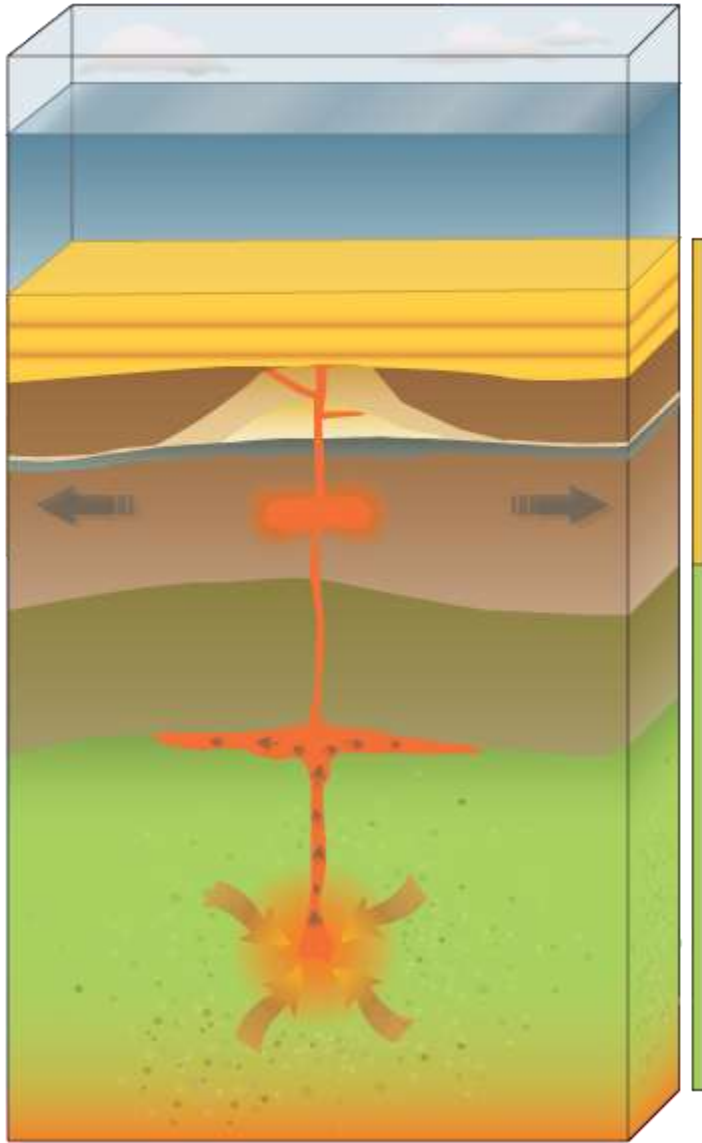




# Erlend gosdepilin



# Erlend gosdepilin





Takk fyri áhugan!

