

KUNSKAPSKRYSSNING 2019





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 @inthevolcano

En resa i vulkanens inre

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A woman with short reddish hair, wearing a red long-sleeved shirt, black pants, and sunglasses, stands in a volcanic landscape. She is smiling and gesturing with her hands towards the background. The landscape is a vast, flat plain covered with low-lying green and yellowish vegetation. In the distance, a large, conical volcano with a snow-capped peak rises against a clear blue sky with some light clouds. The volcano's slopes are dark and show signs of erosion or ashfall.

Steffi Burchardt

- geovetare, vulkanforskare
- doktorerade 2009 i Göttingen, Tyskland
- Universitetslektor och docent Uppsala universitet
- Studerar (mestandels döda) vulkaner för att utforska deras magmakammare

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Människan och vulkanen



Bild: National Geographic

Hur vulkaner utforskas



Monash.edu

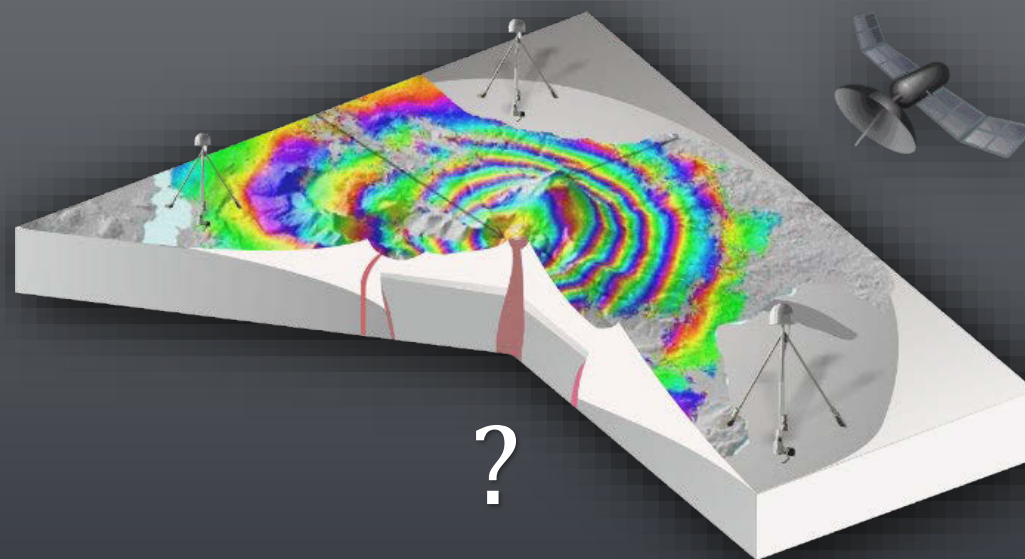


Depts.ttu.edu

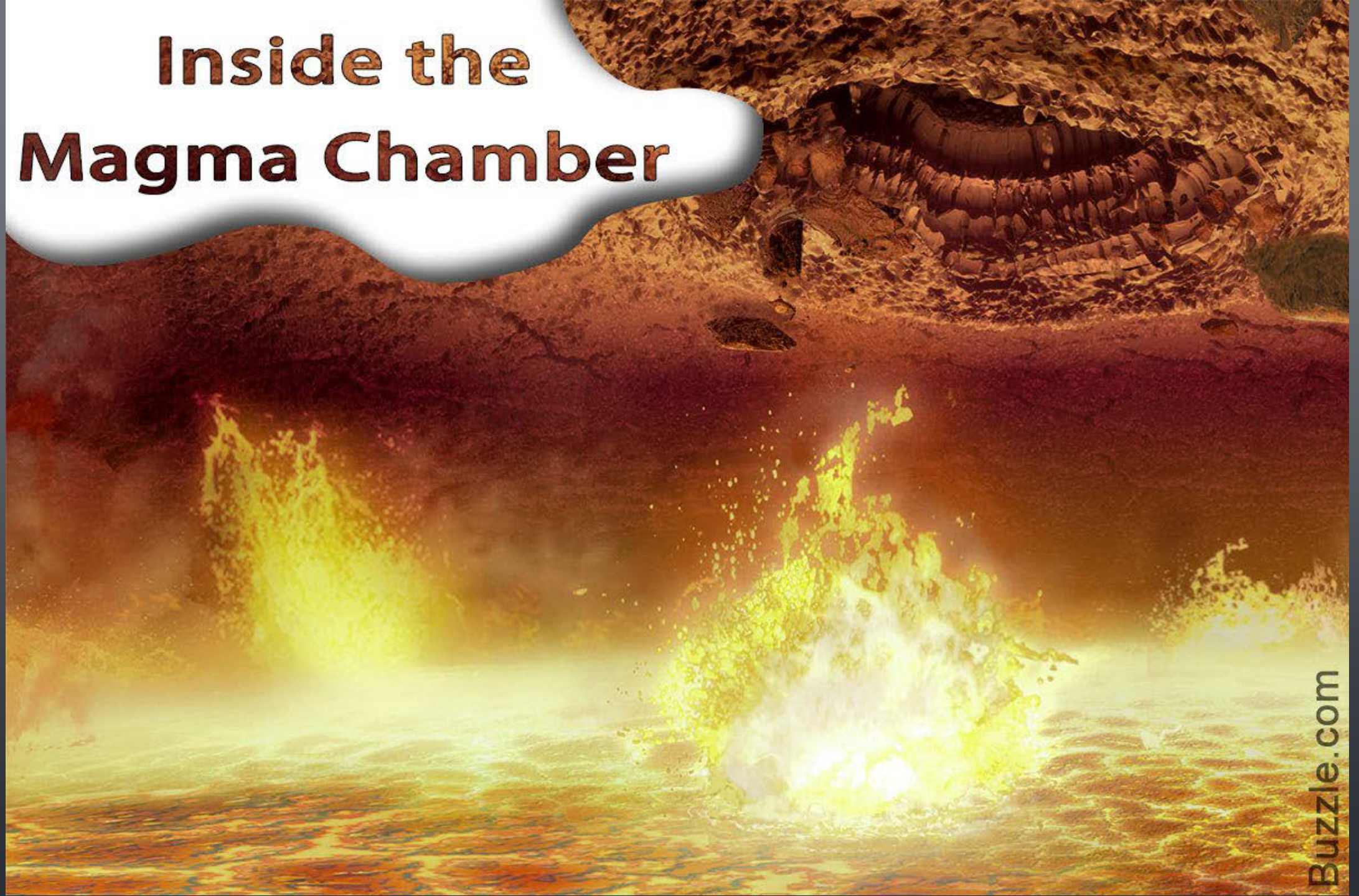


Volcanoes.usgs.gov

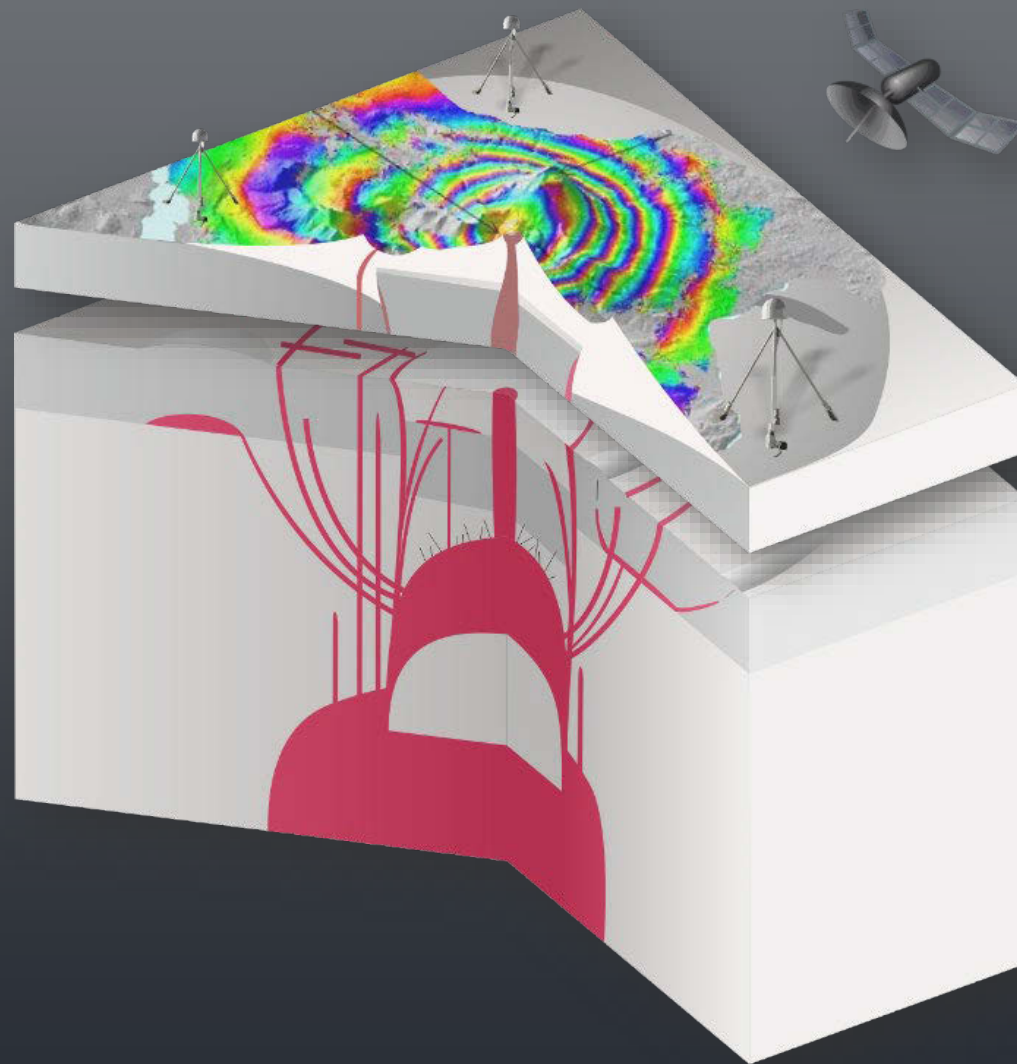
Vad händer före vulkanutbrottet?



Inside the Magma Chamber



Vad händer före vulkanutbrottet?



Hur vet vi det?

- En kort historia av geologin och forskningen om vulkaner

Aktualism

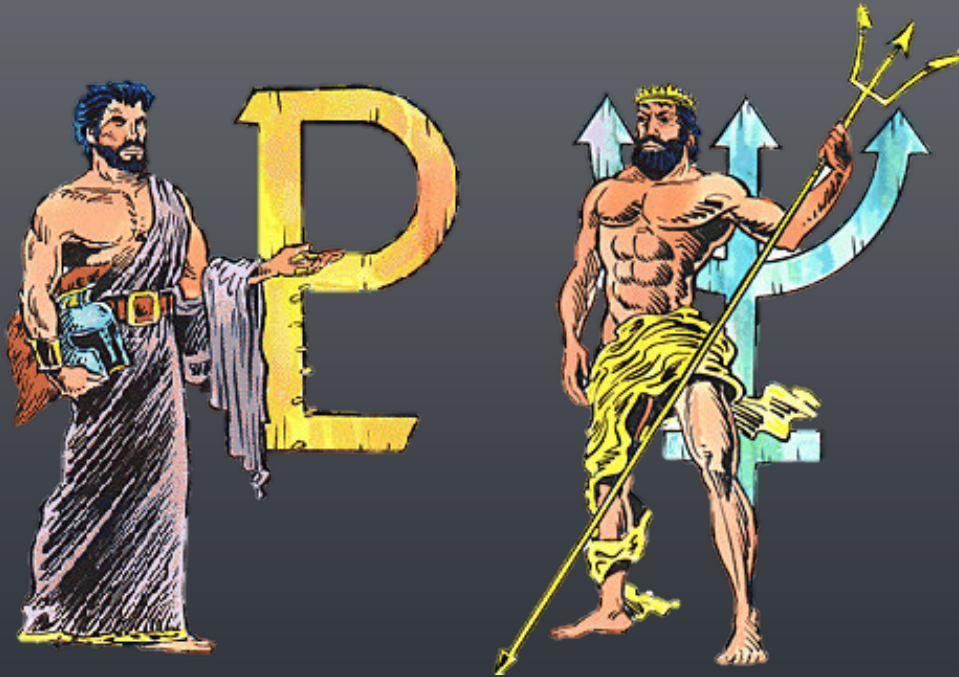


Bild: <http://pumicecastle.blogspot.com/2011/01/neptunist-vs-plutonist.html>

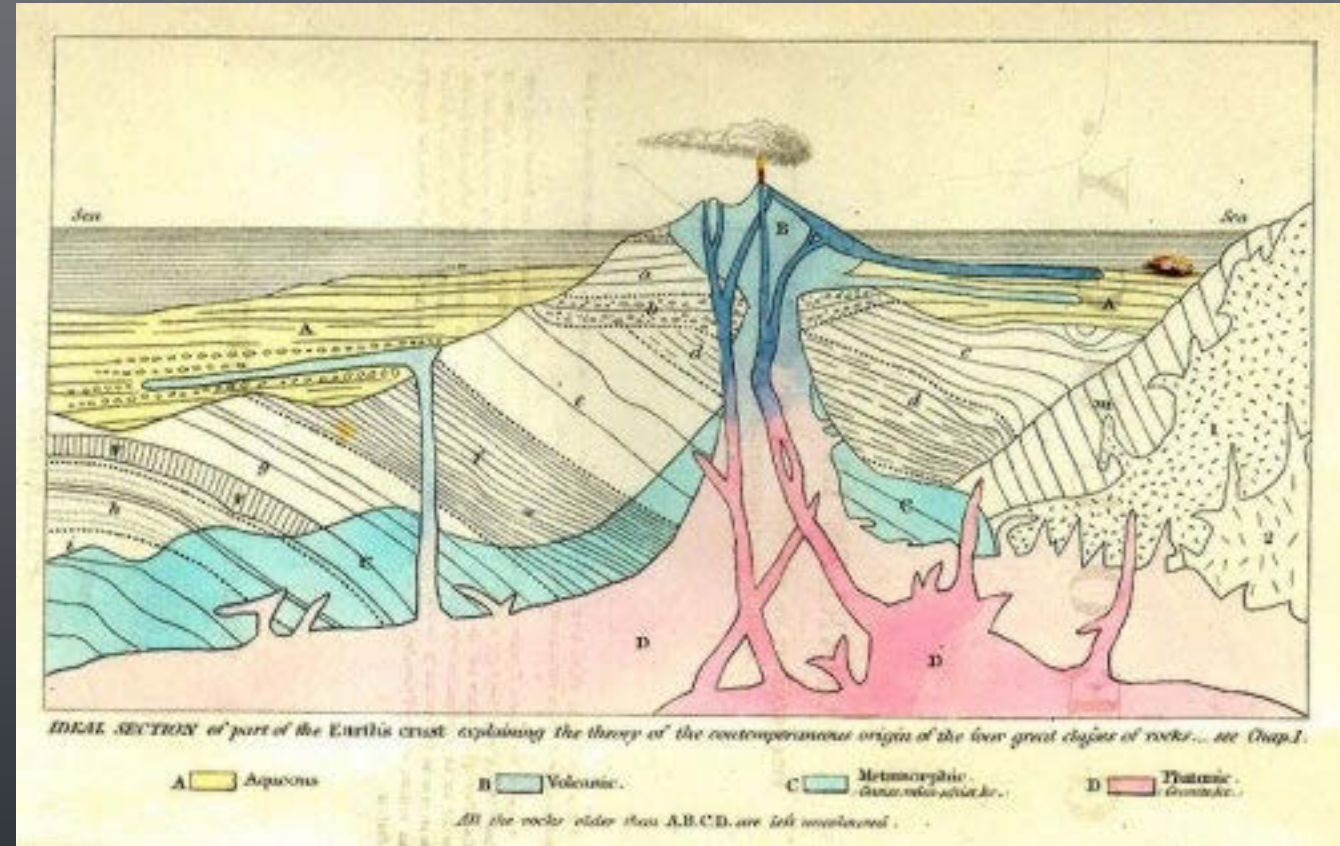
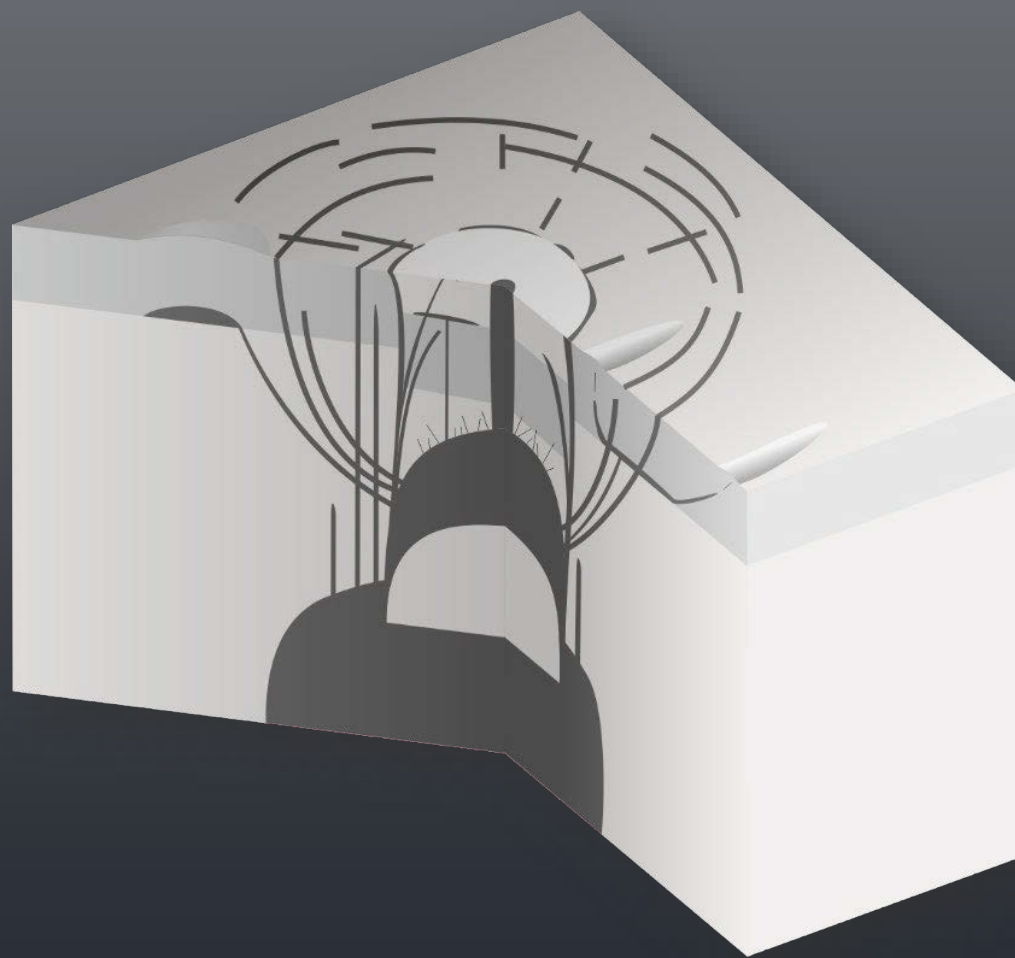


Bild: Lyell "Principles of Geology"

Att utforska vulkanernas inre



Att utforska vulkanernas inre: verktygslådan





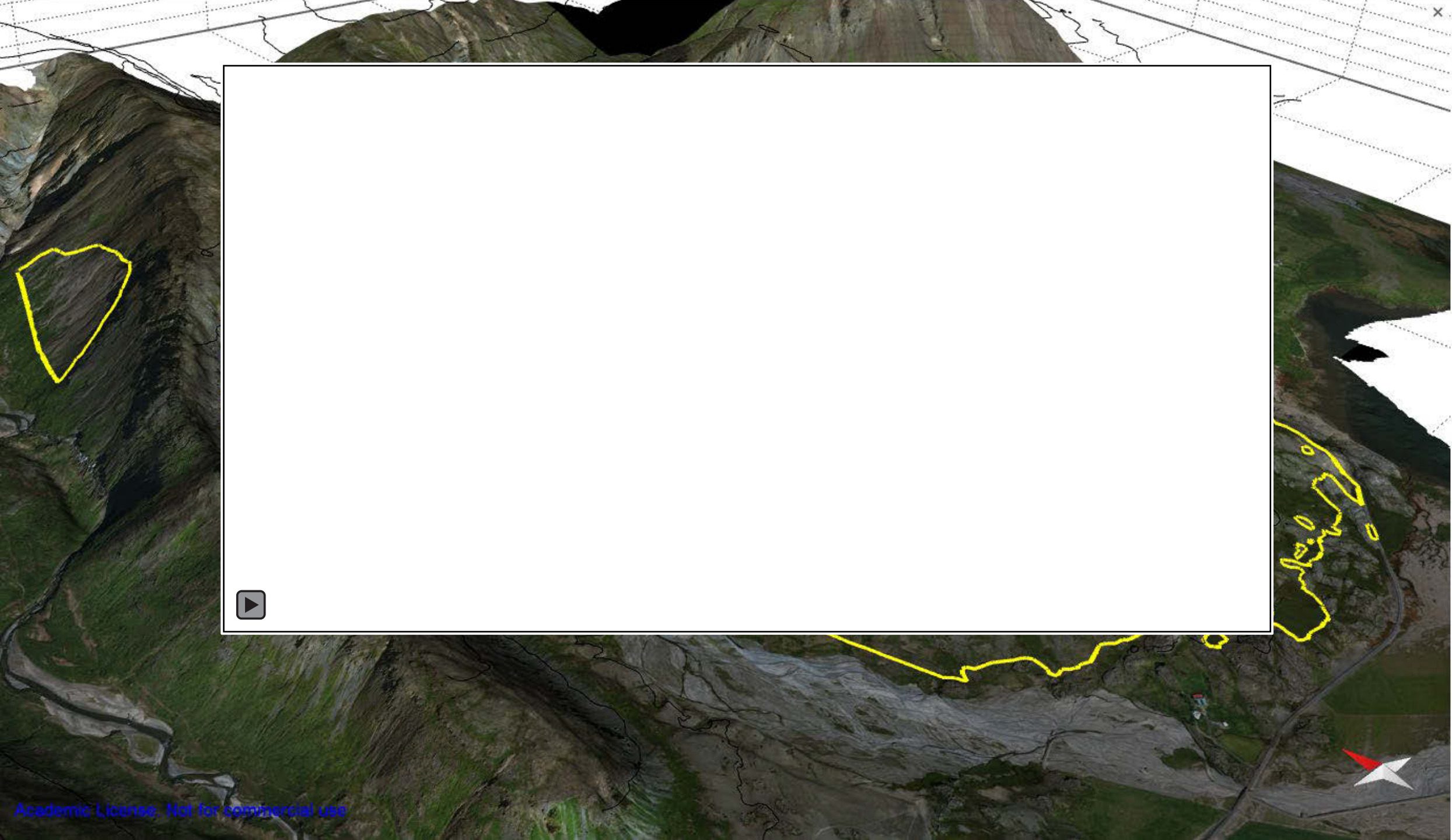
Bild: Birgir Oskarsson

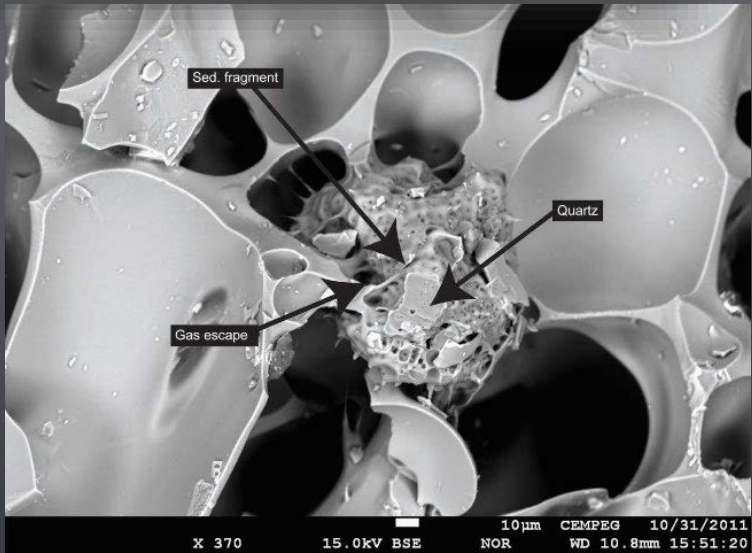
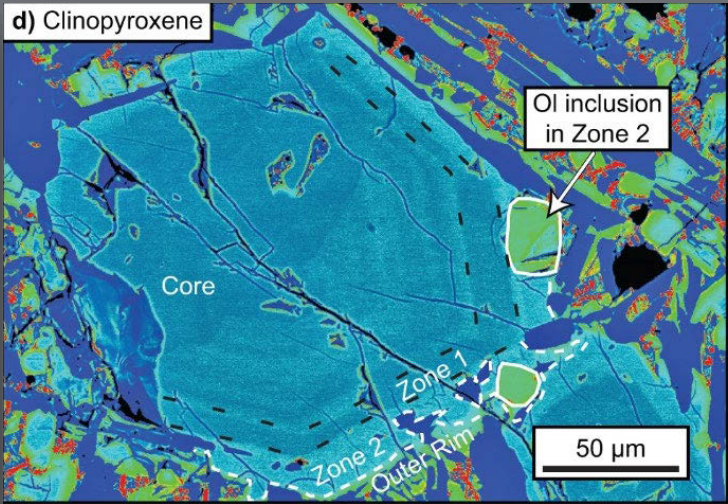
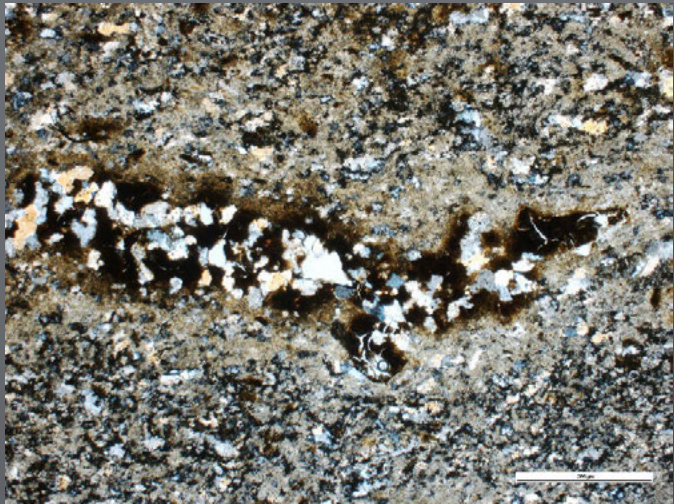




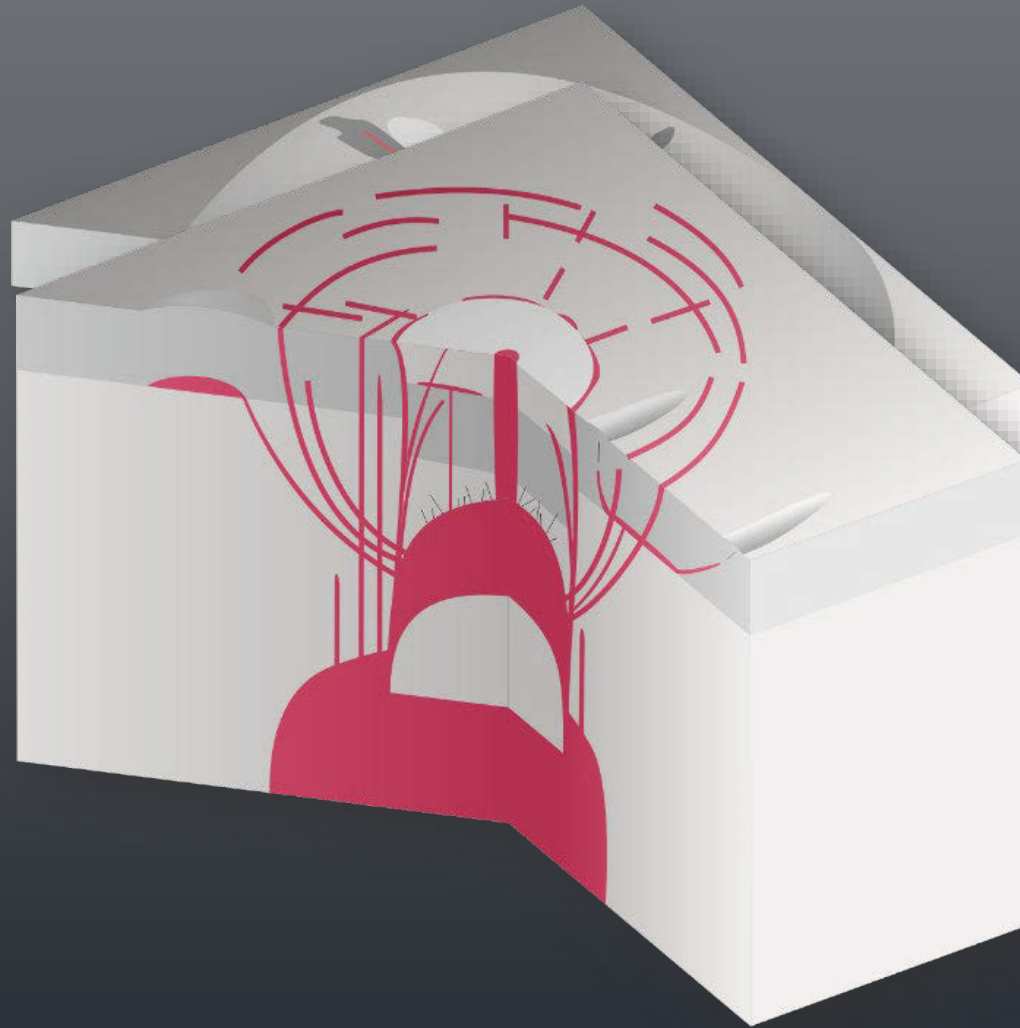






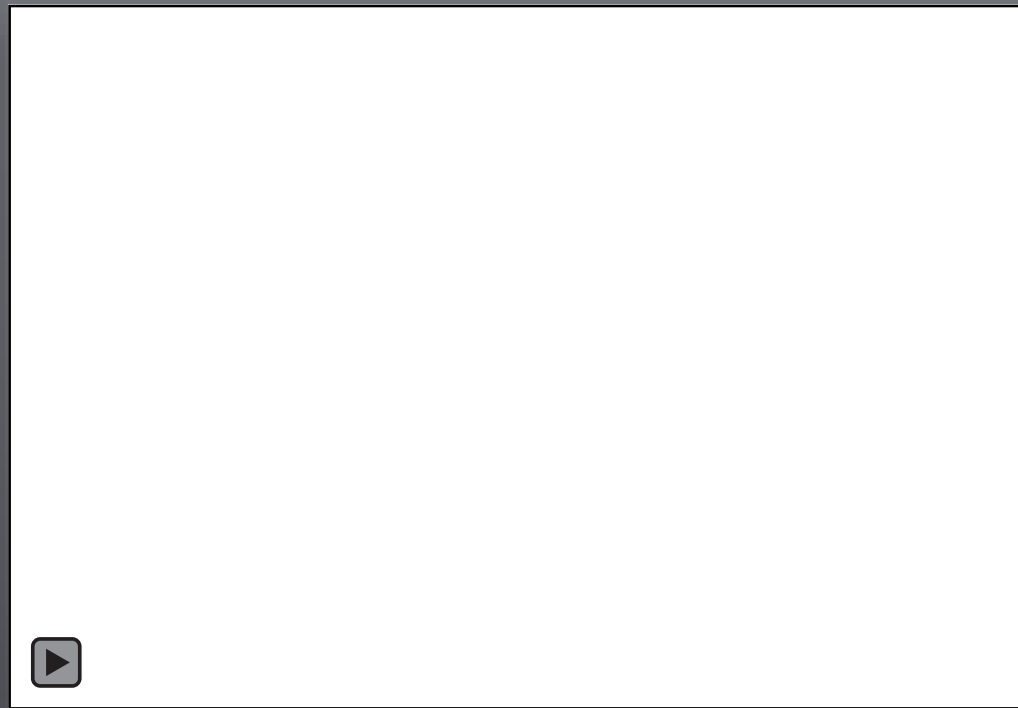


Hur uppstår ett vulkanutbrott?





icelandreview.com



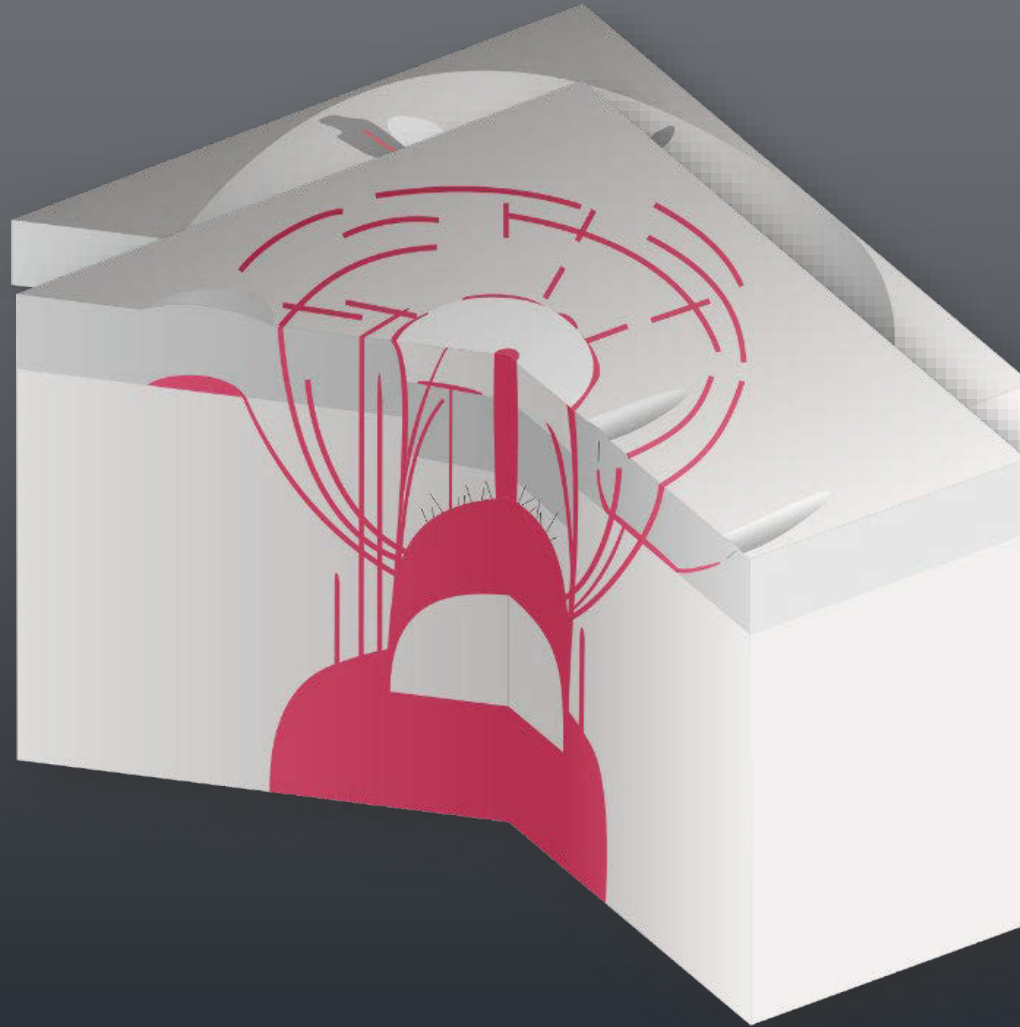
Iceland Meteorological Office



Kosteröarna, Bohuslän; Bild: Åsa Gierup, SGU



Slutsatser



Tack!



Bild: Dougal Jerram