



Falun Presentation

2021-03-16/ Erik Lundstam, Zaffer Sweden AB

Falun

Hjärtat av Svenskt Bergsbruk
Falun en ikon inom gruvindustrin



<1288 till 1992

28 Mt @ 4% Cu, 4 g/t Au

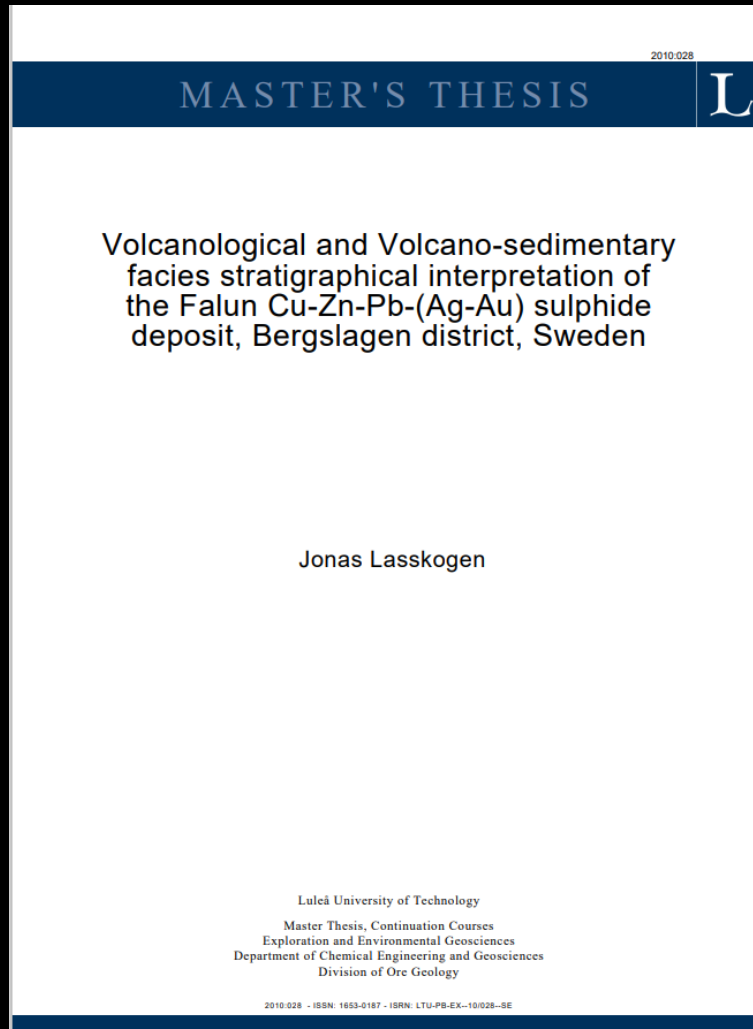
5% Zn

2% Pb

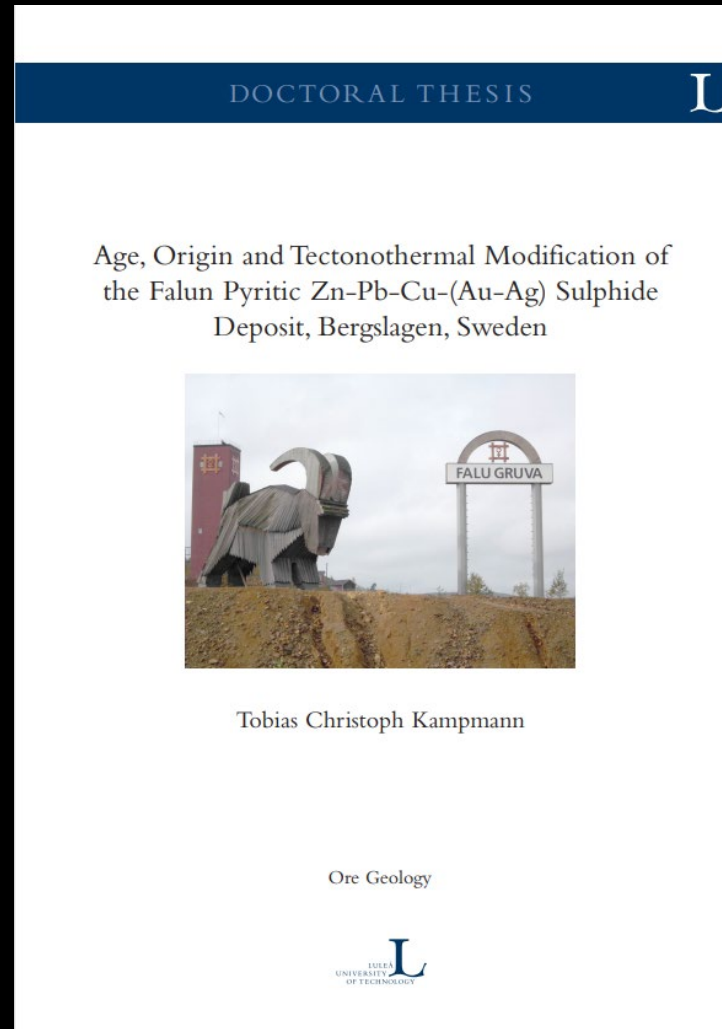
35 g/t Ag



2010



2017

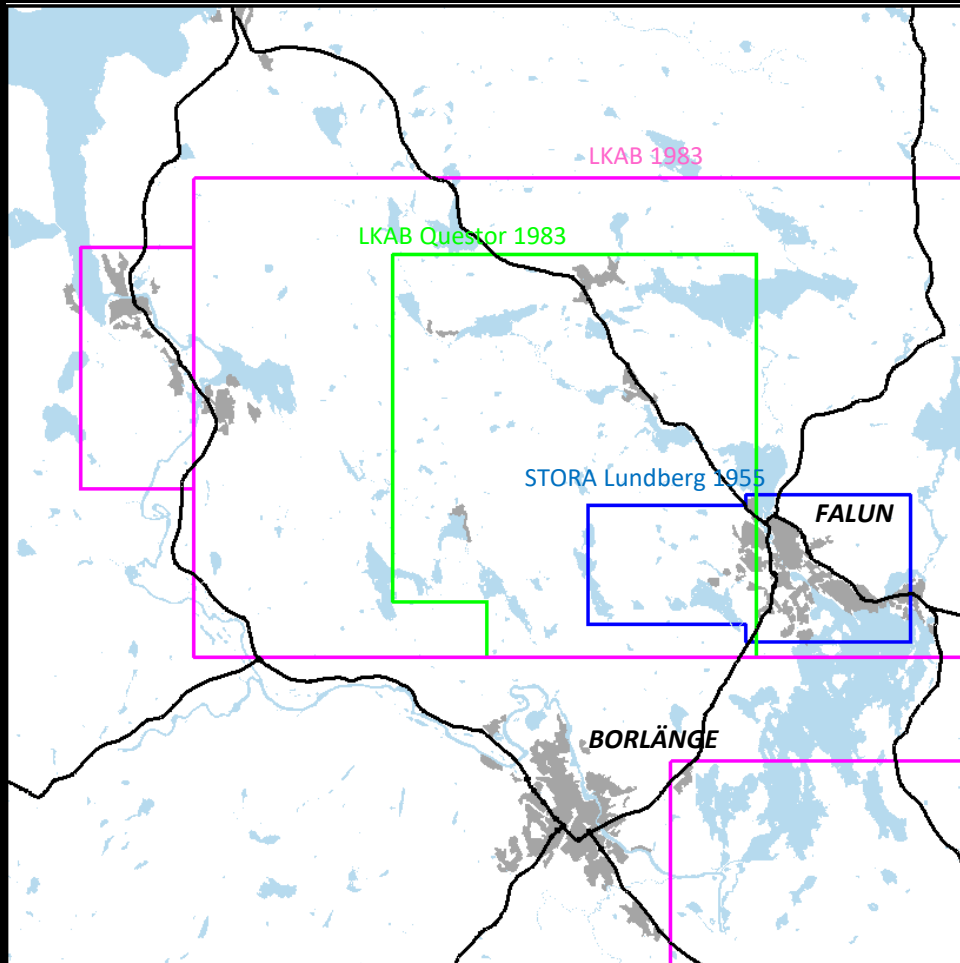


2018

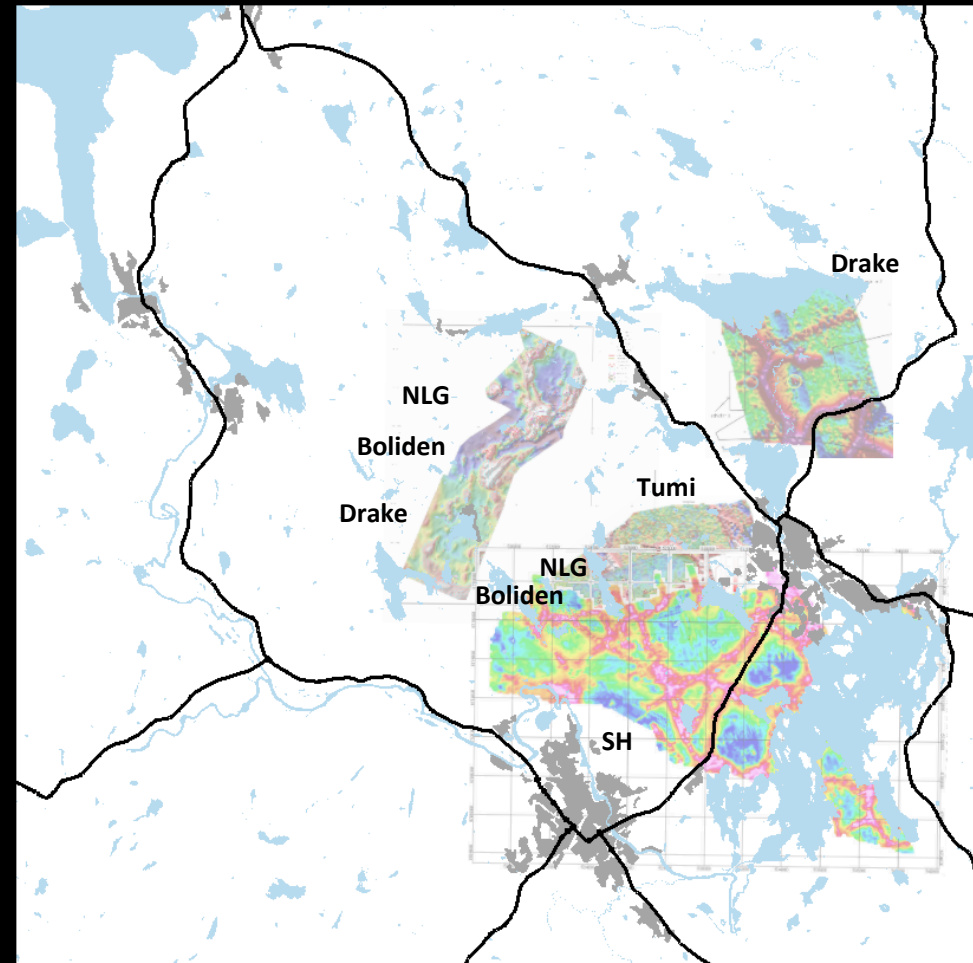


Flygmätningar (ej SGUs regionala)

1950 till 1980-talet



2000 till 2010-talet



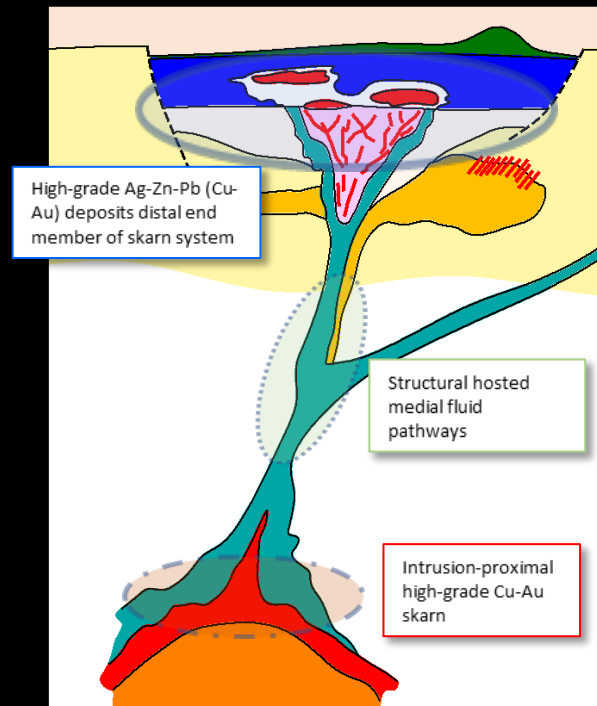
Pusslet



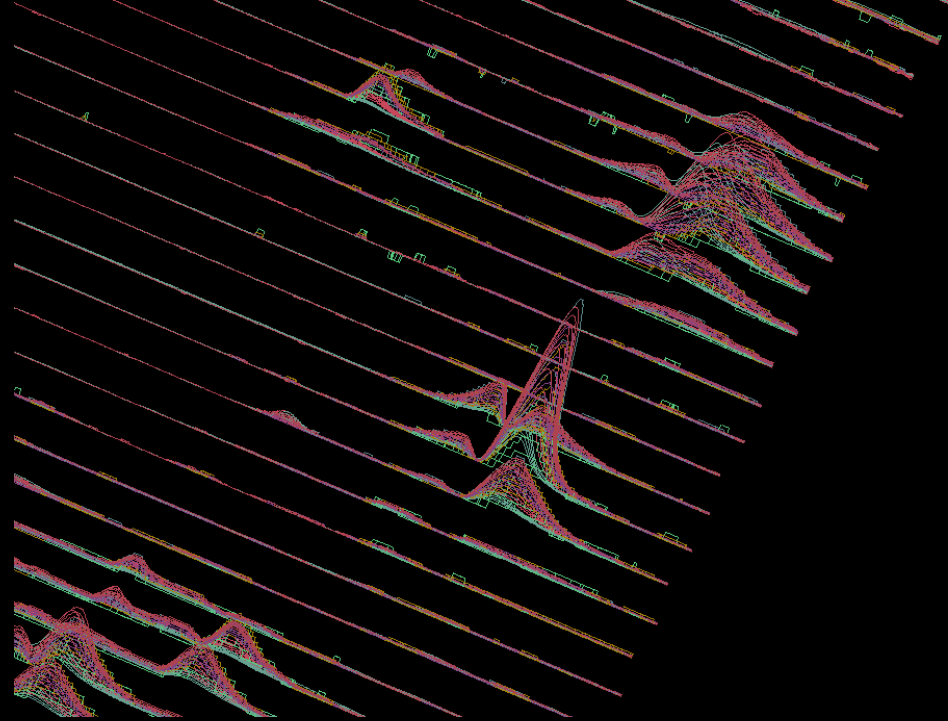


Exploration strategy 101 for dummies (myself)

Model based



Anomaly hunt



Falun Stratigraphy:

Hanging Wall Volcaniclastics
Pumiceous pyroclastic massflows, stratified ash-silt-sandstones. Mainly rhyolitic.



https://en.wikipedia.org/wiki/Pyroclastic_flow

Extrusive Basalt
Fire fountain, lava, pillows.



http://volcano-pictures.info/glossary/lava_fountain.html

Limestone

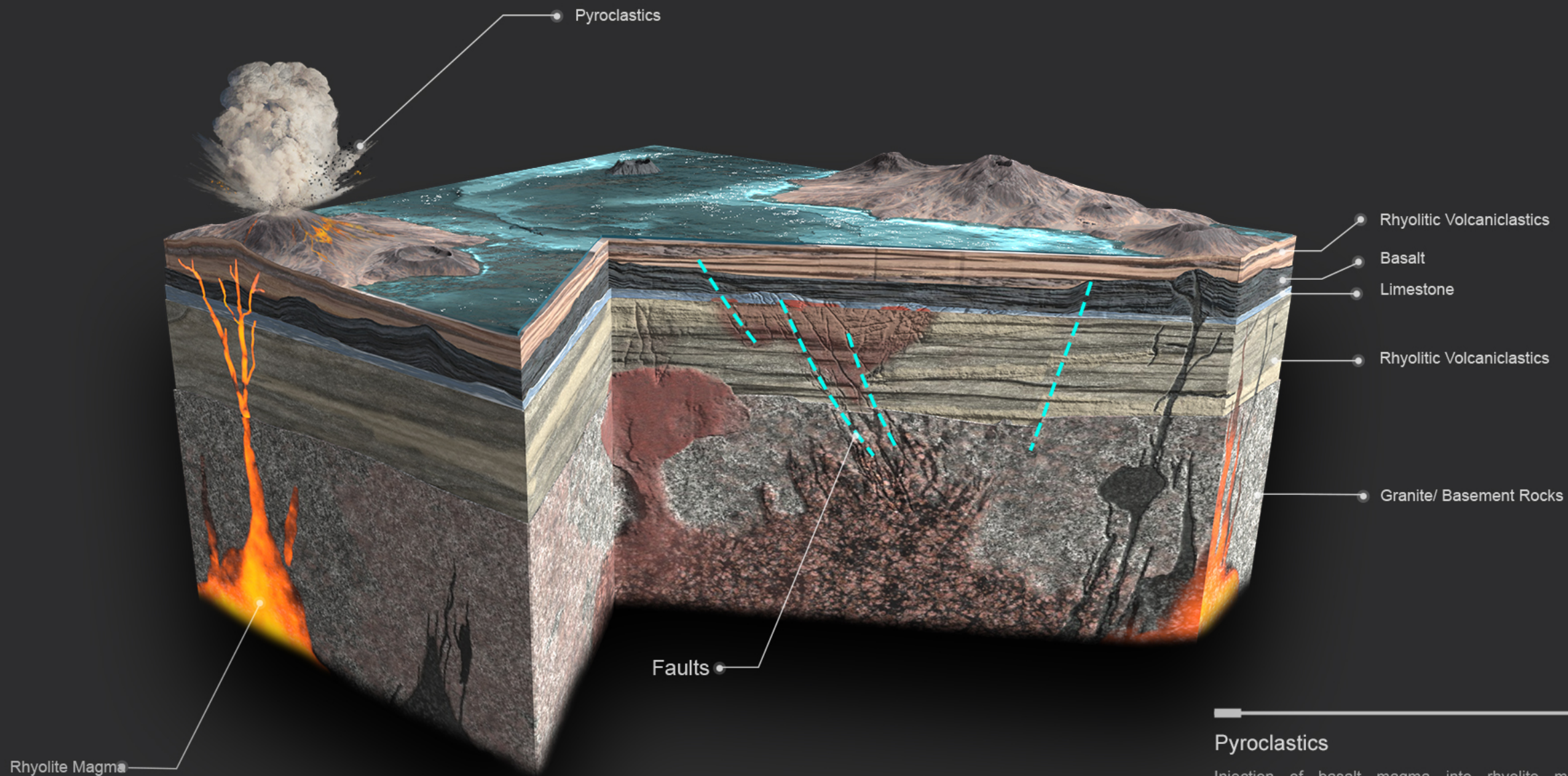
Footwall Volcaniclastics
Rhyolitic

Deeper FW Volcaniclastics
Rhyolitic

Volcanic Intrusions and Lavas
Rhyolitic

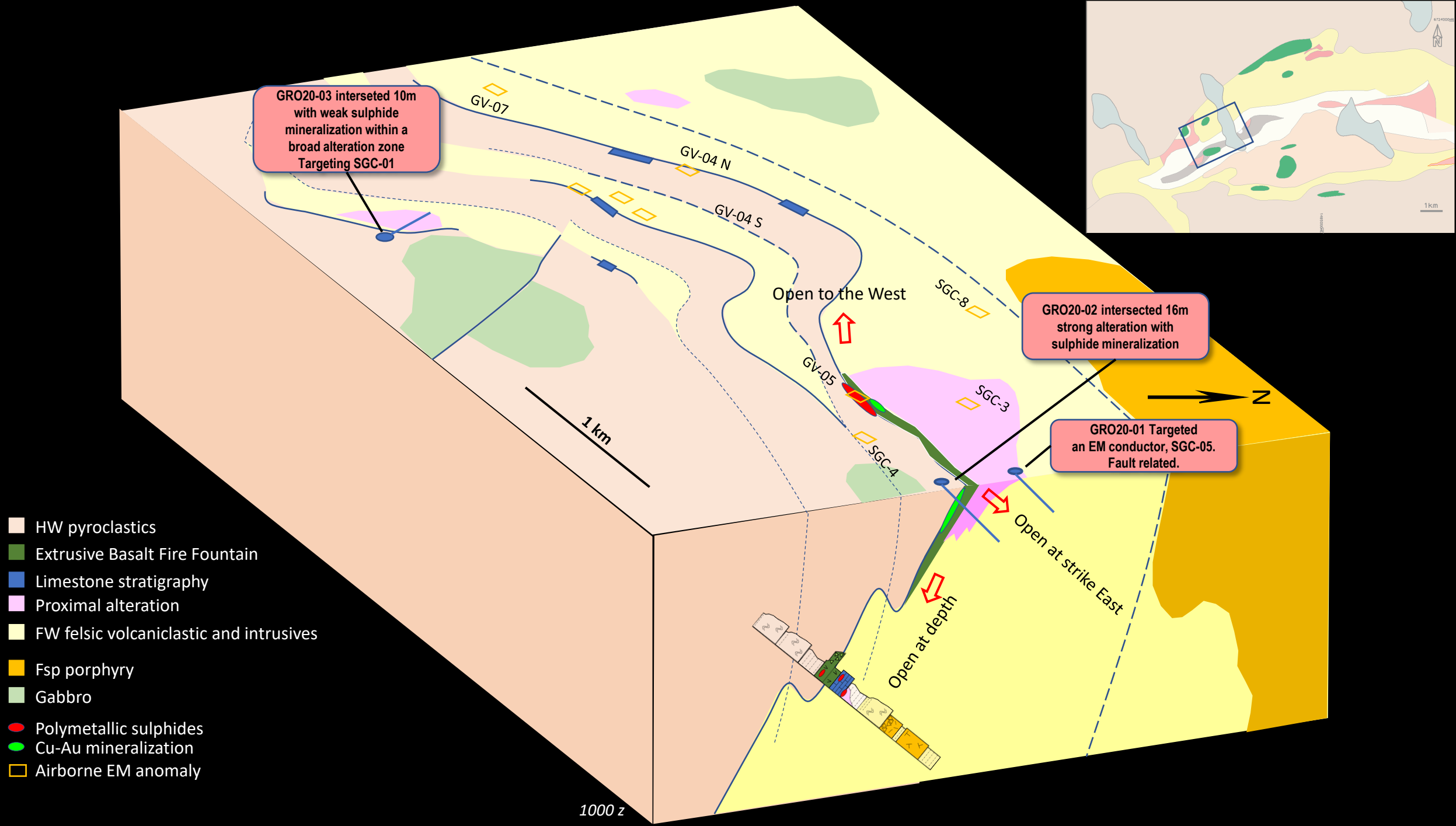


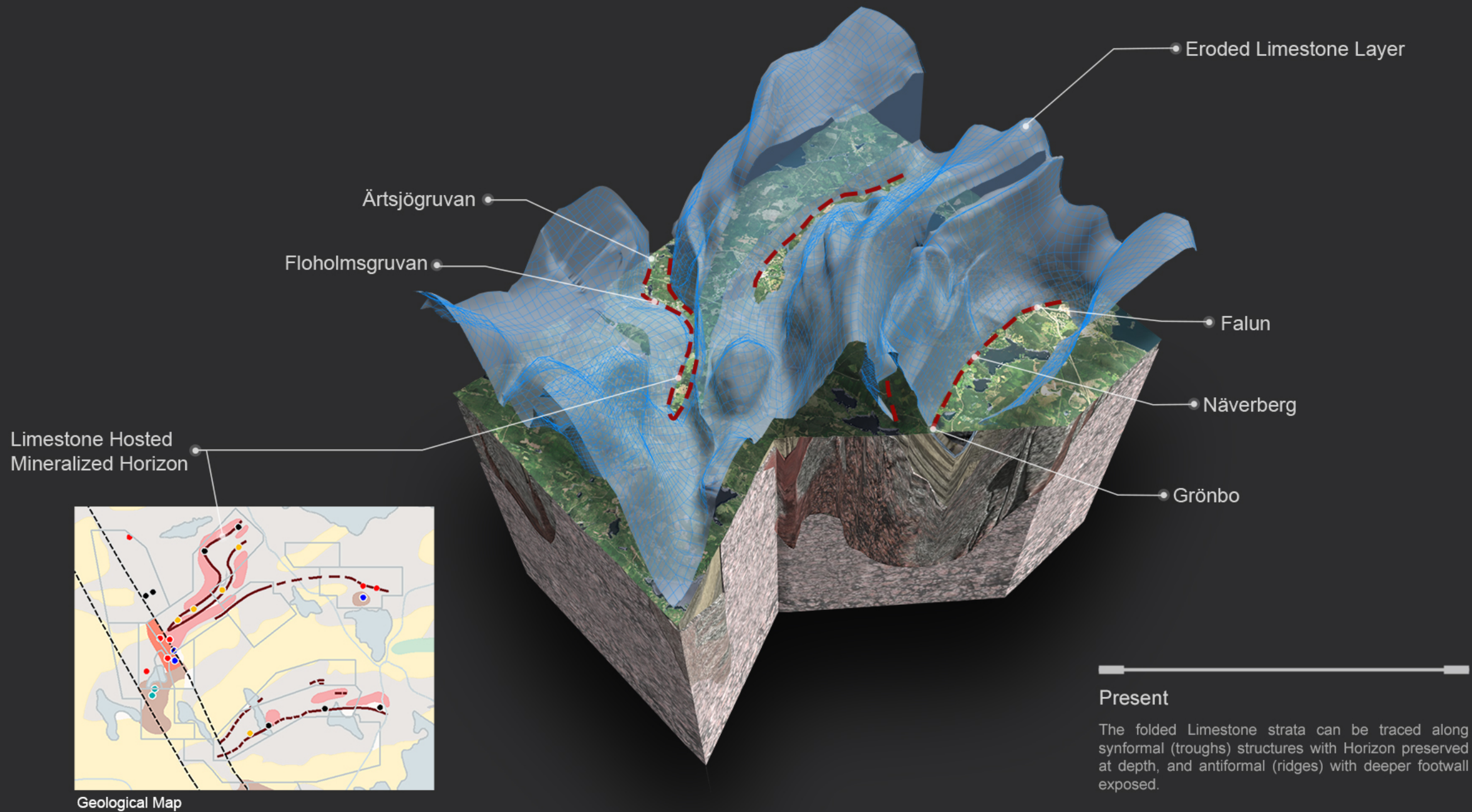
<https://www.britannica.com/science/stromatolite>



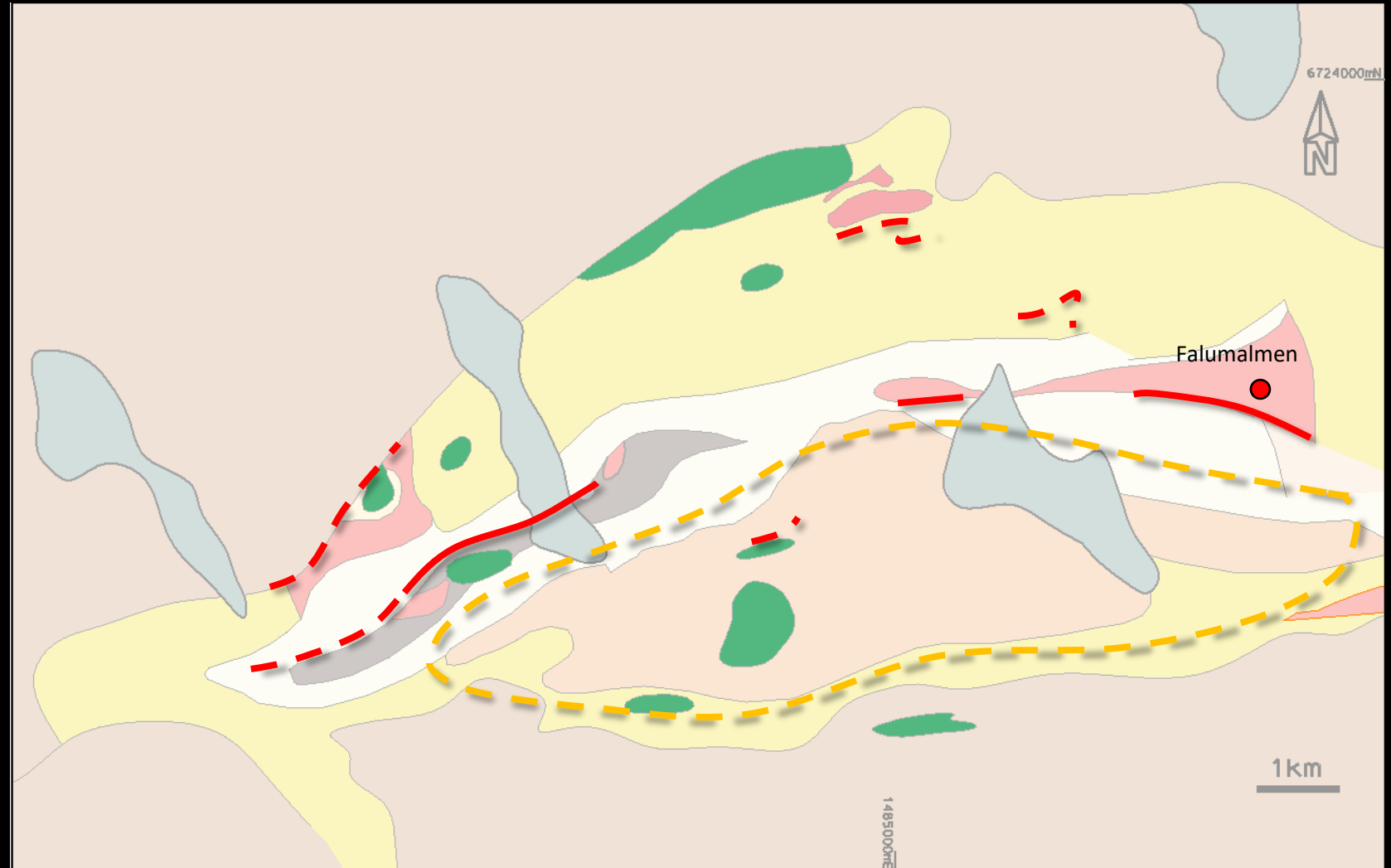
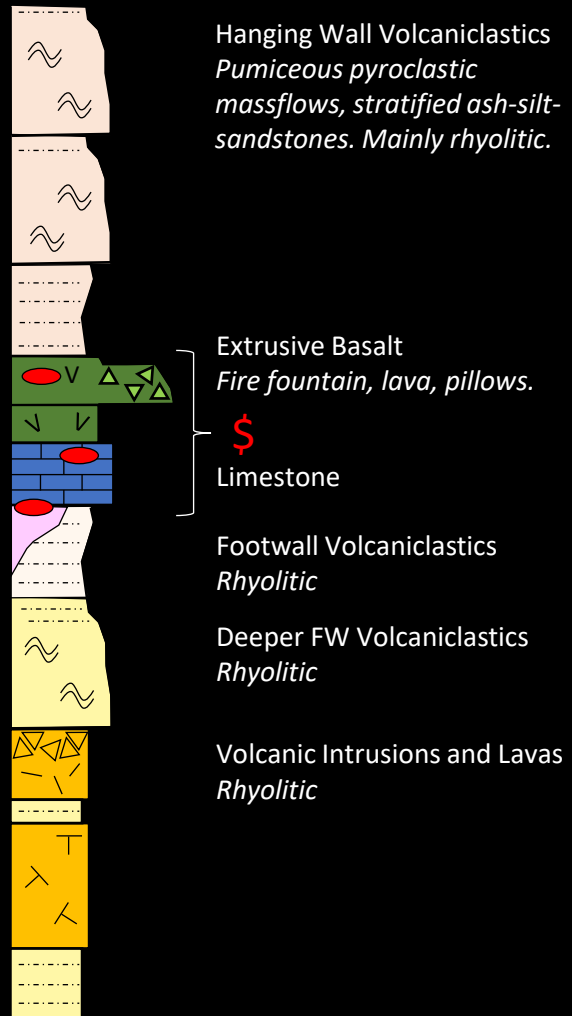
Pyroclastics

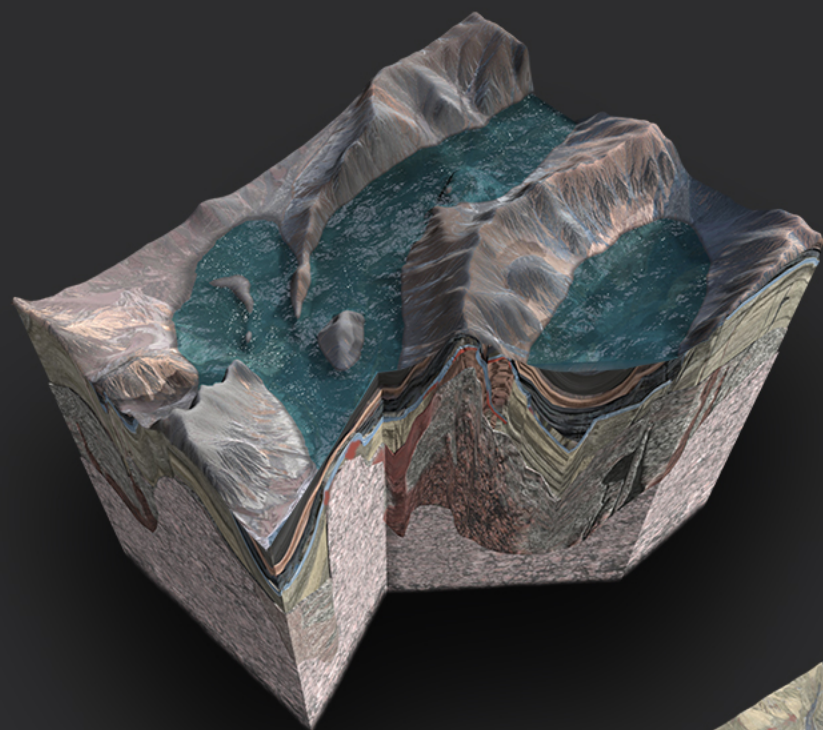
Injection of basalt magma into rhyolite magma reservoirs in the footwall triggers a series of voluminous felsic pyroclastic eruptions. This creates a thick succession of hangingwall pumice bearing pyroclastic sequence. Local depressions like Caldera structures are filled in.





Falun Stratigraphy:

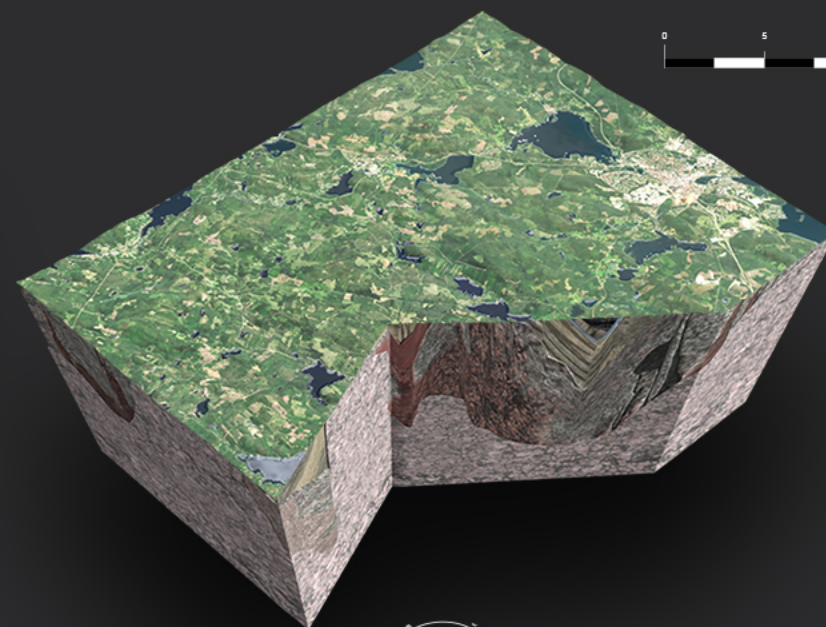
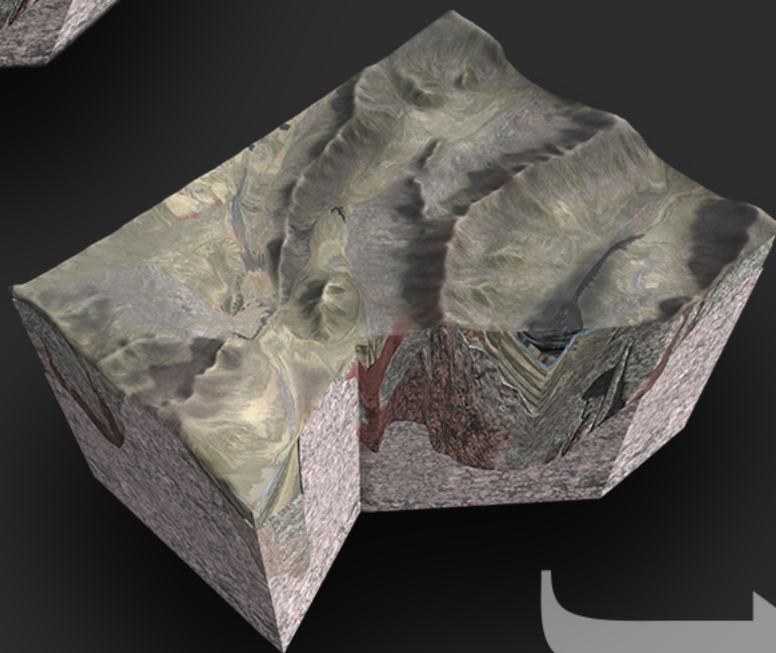
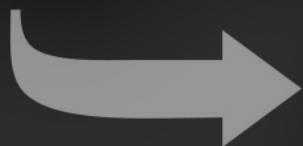
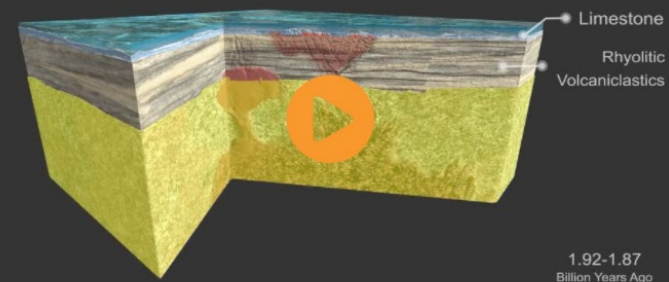




Sweden



Greater Falun Project Animation



0 5 10 km



Tack för att ni lyssnade!

