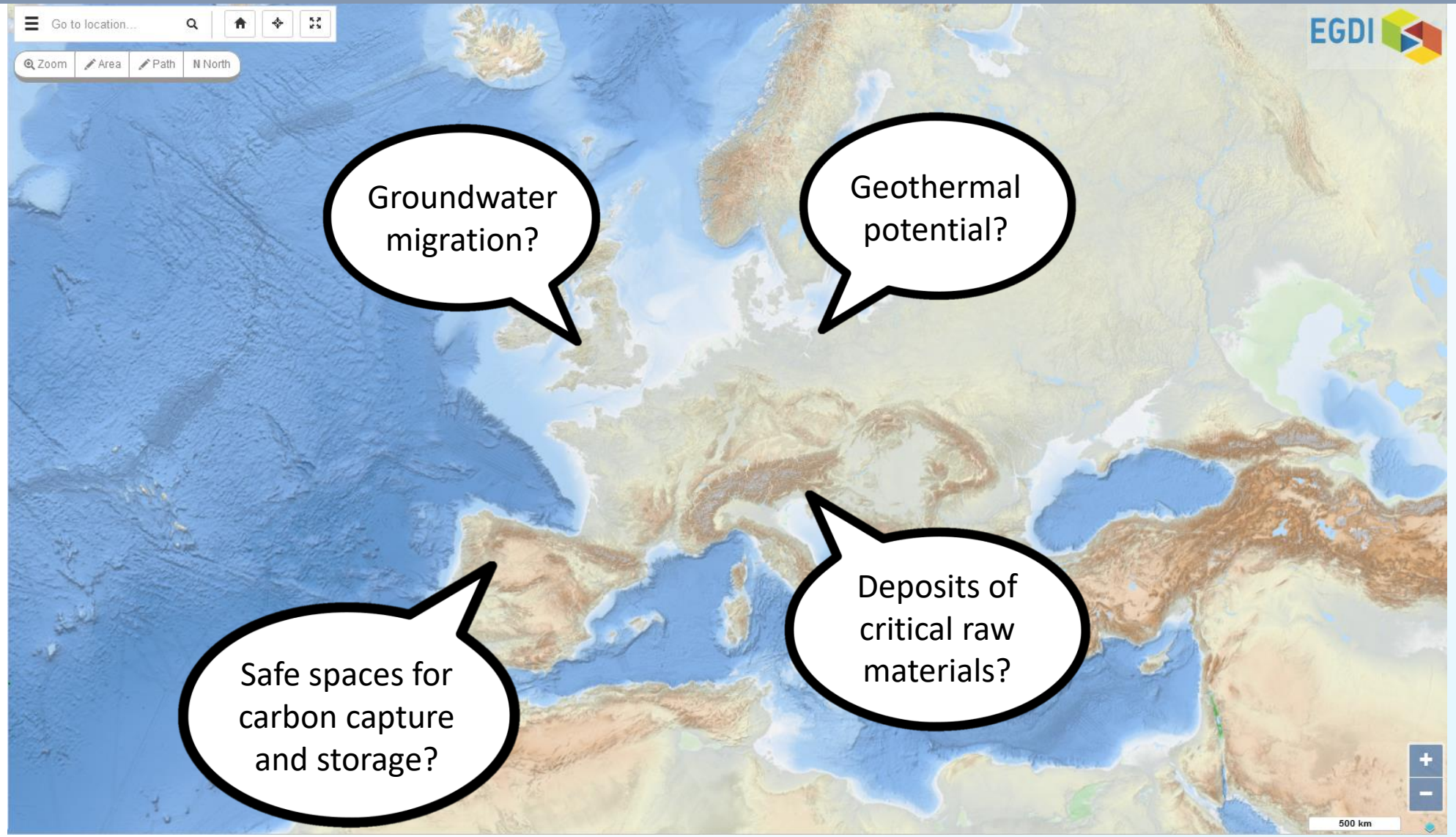
From Faults to Geomanifestations

Building a structural framework for responsible subsurface development

Subsurface potential for a low carbon future: where to start?



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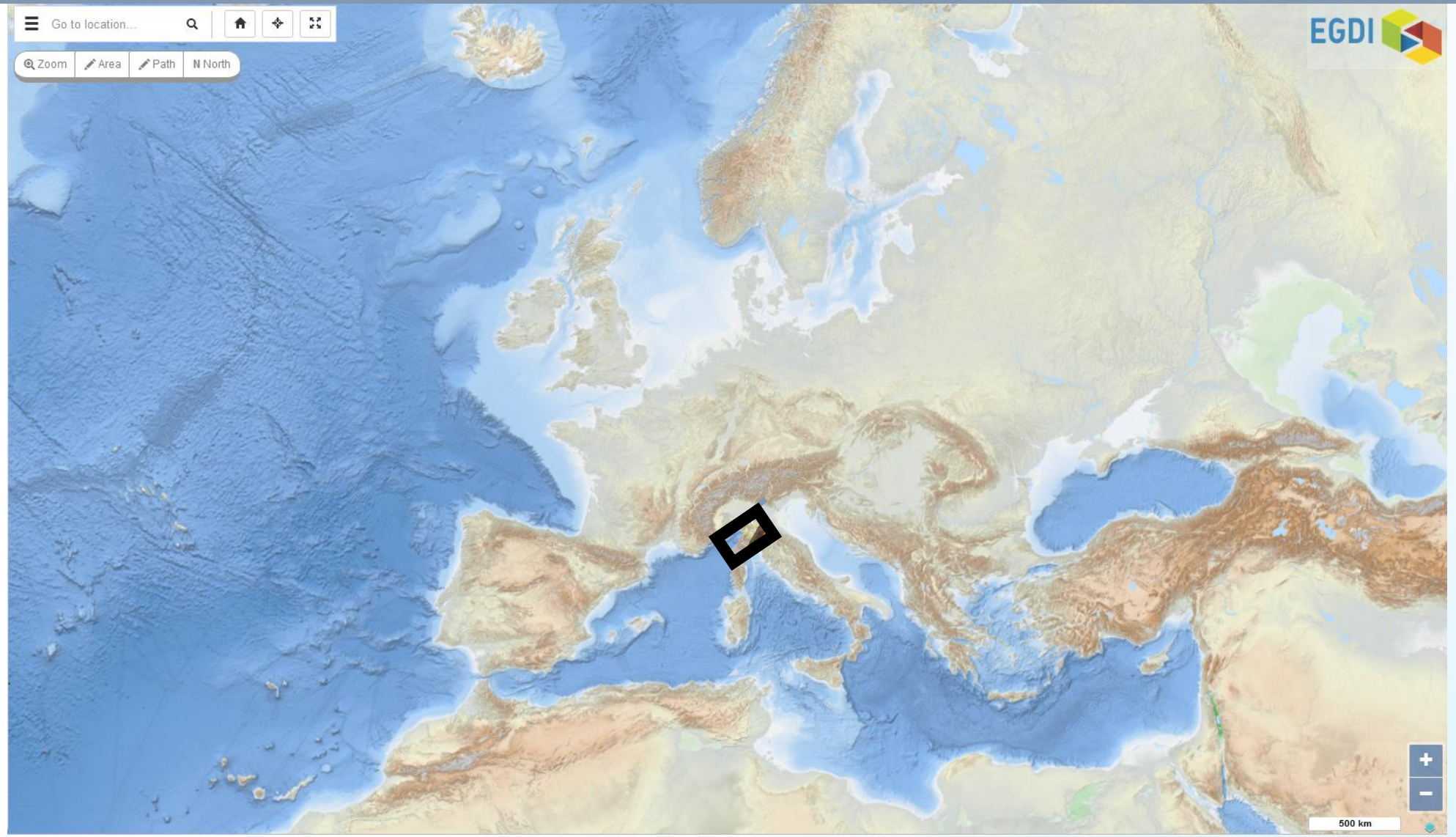
Subsurface potential for a low carbon future: where to start?



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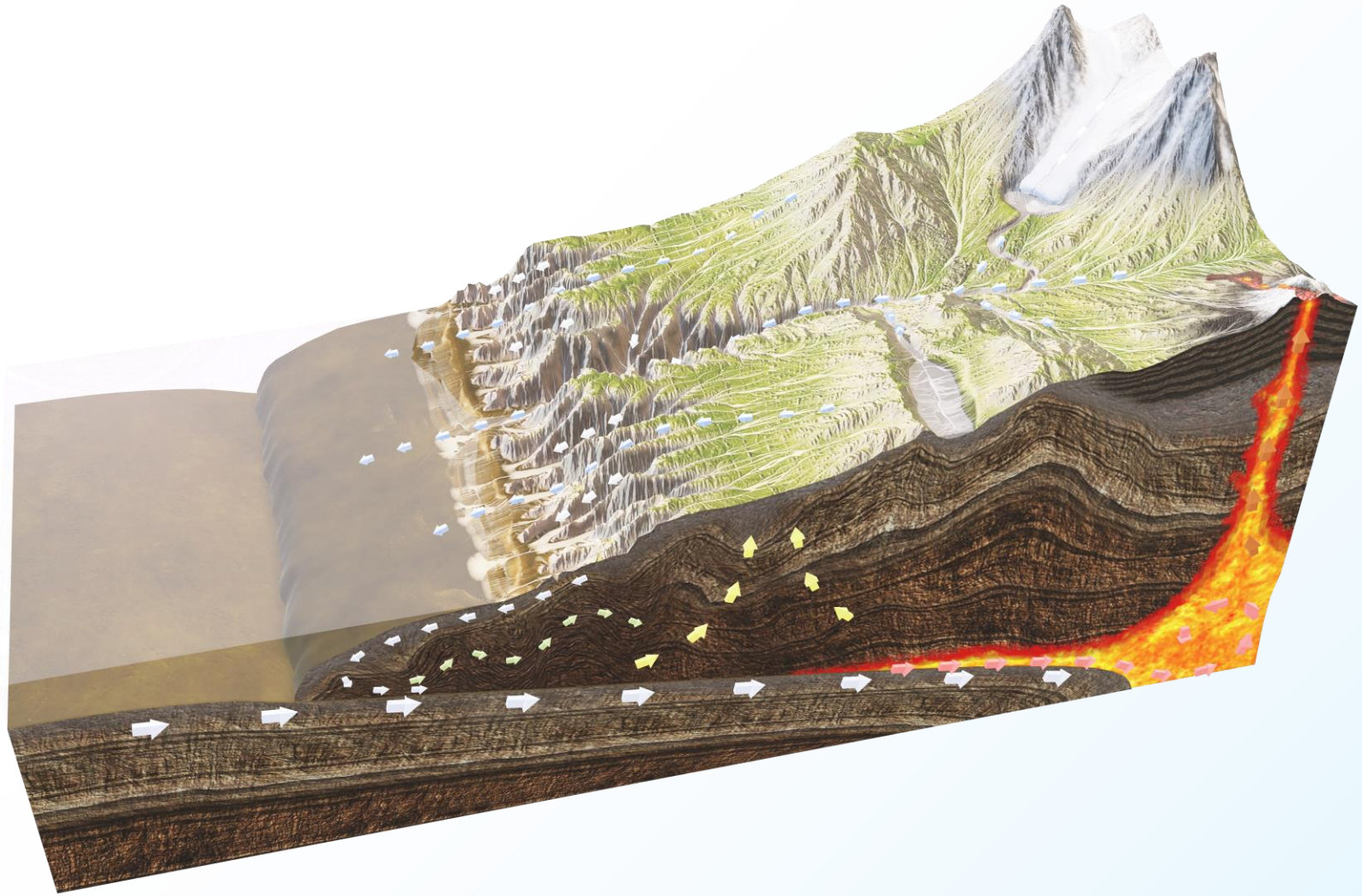
The subsurface is complex…



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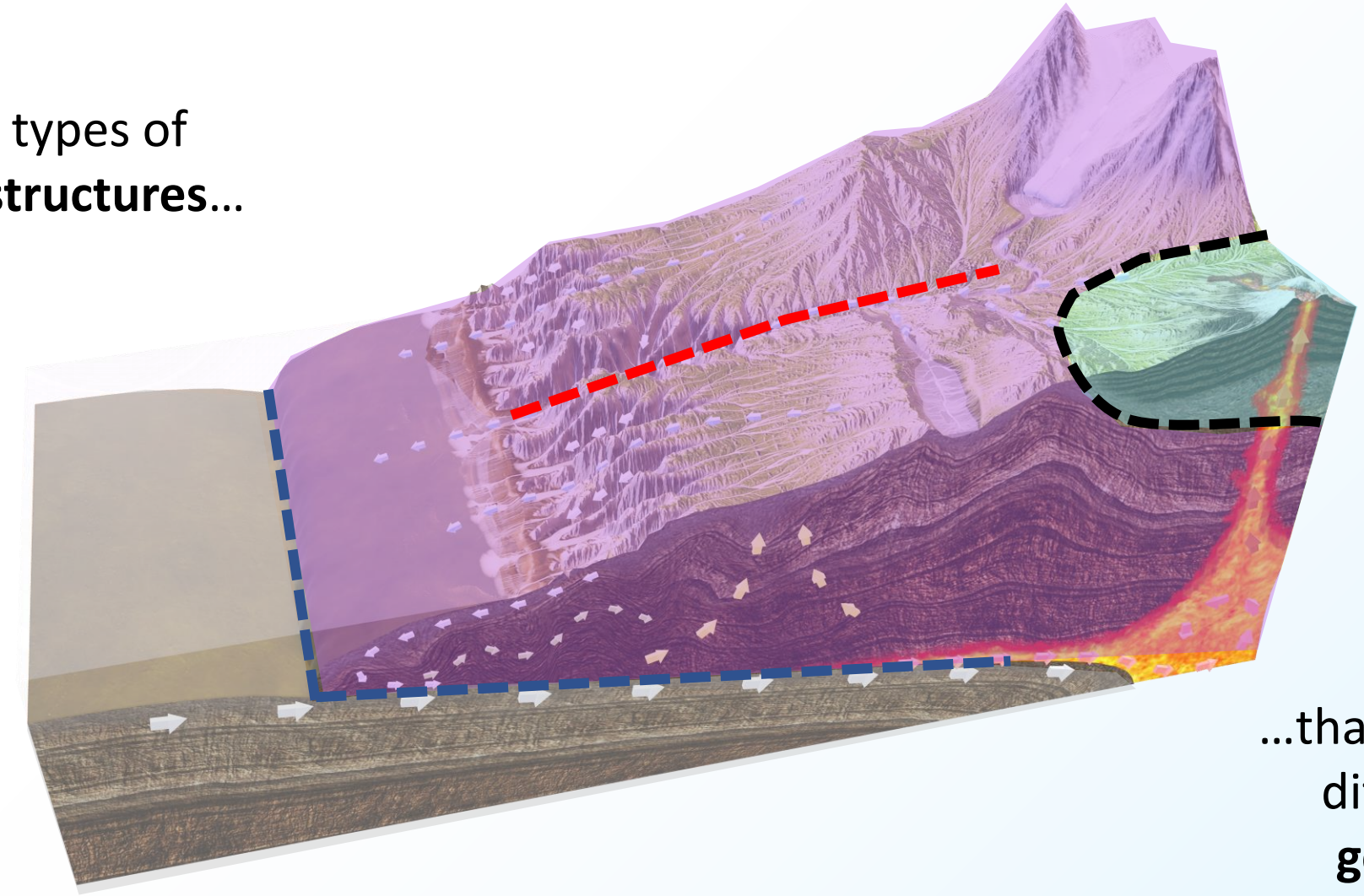
The GeoConnect³d method to display geological complexity

Different types of
geological structures…



…that define or modify
different types of
geological units

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Geological information to unravel subsurface potential

Structures in our crust are key to understand the subsurface

Faults
Plate boundaries
Deformation fronts
Unconformities
Crustal boundaries
and others…

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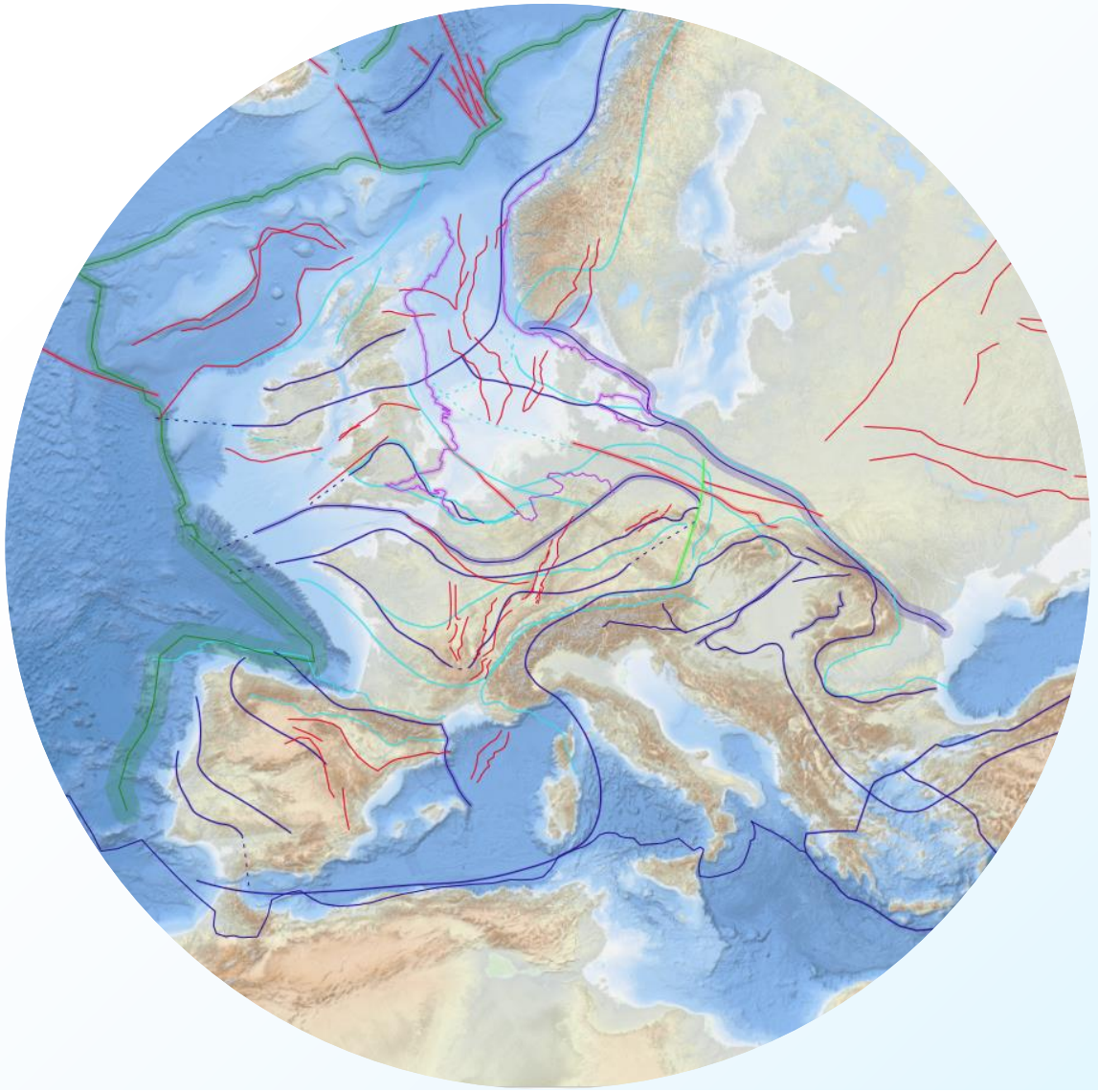
Geological information to unravel subsurface potential

Structures in our crust are key to understand the subsurface

Along with the uncertainties related to the location of mapped structures



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Geological information to unravel subsurface potential

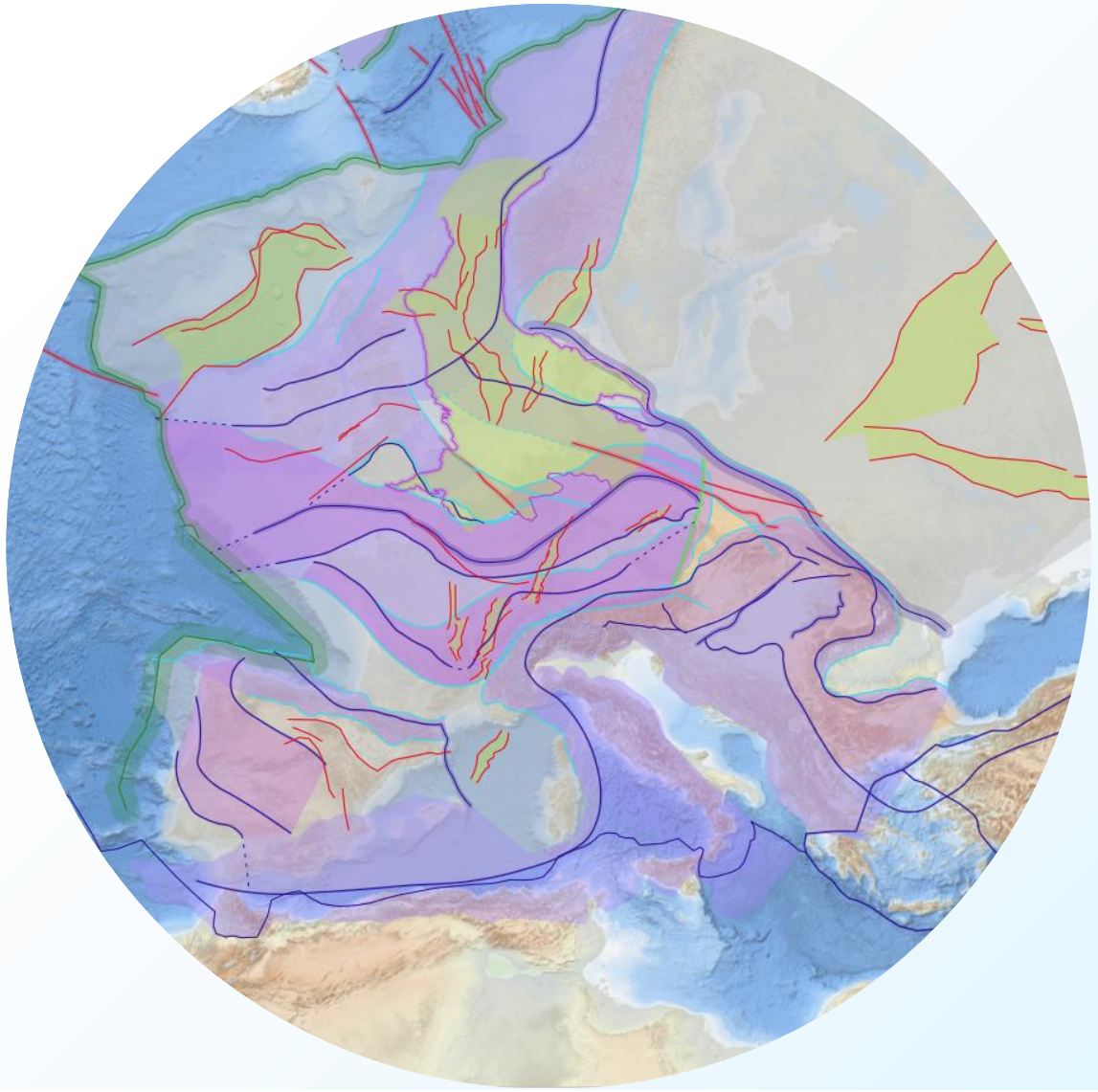
Structures define geological units that box different types of potential

Basins

Orogens

Plates

and others…



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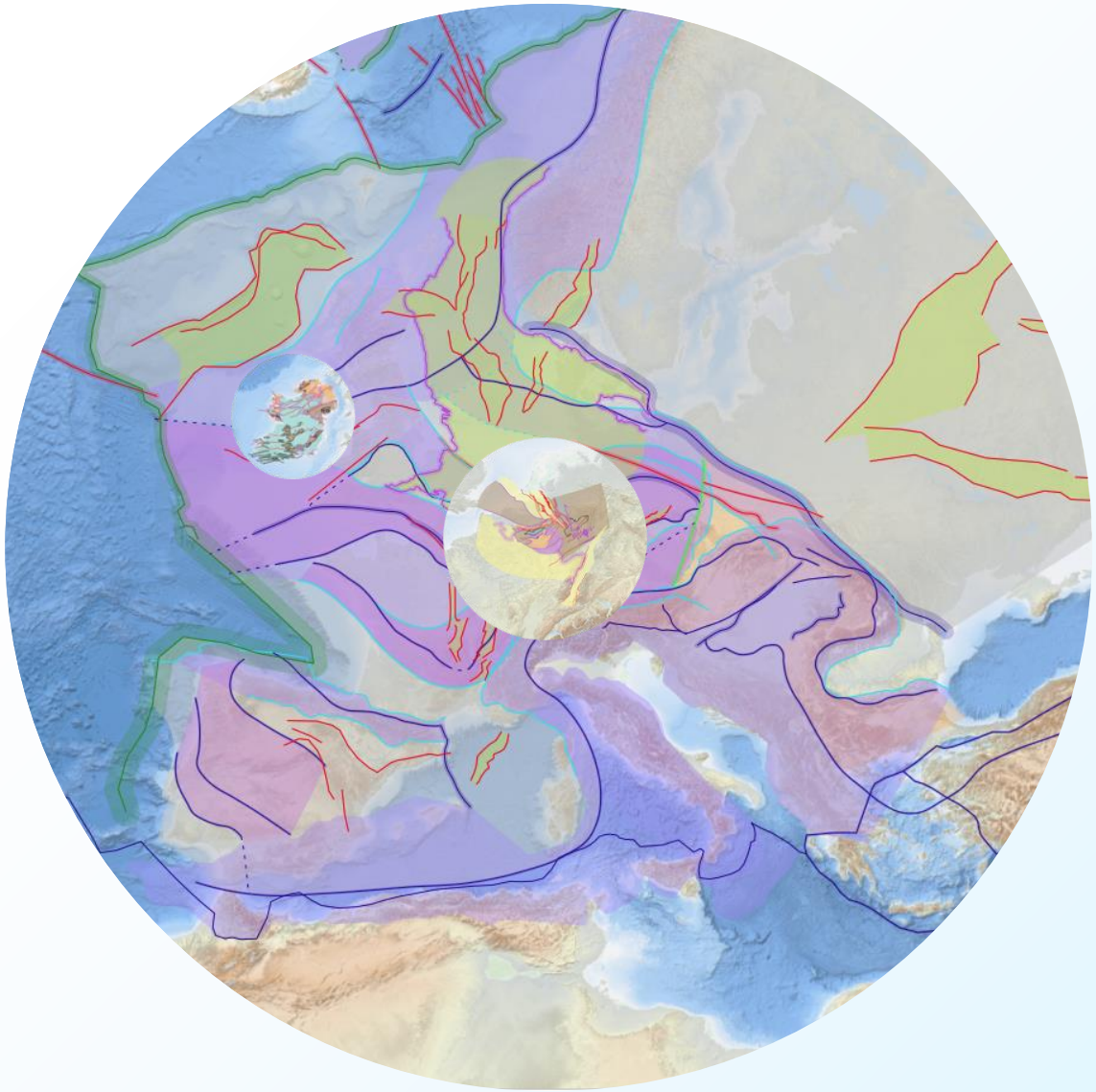
Geological information to unravel subsurface potential

Scale matters: when zooming into regional problems, structures and units become more complex



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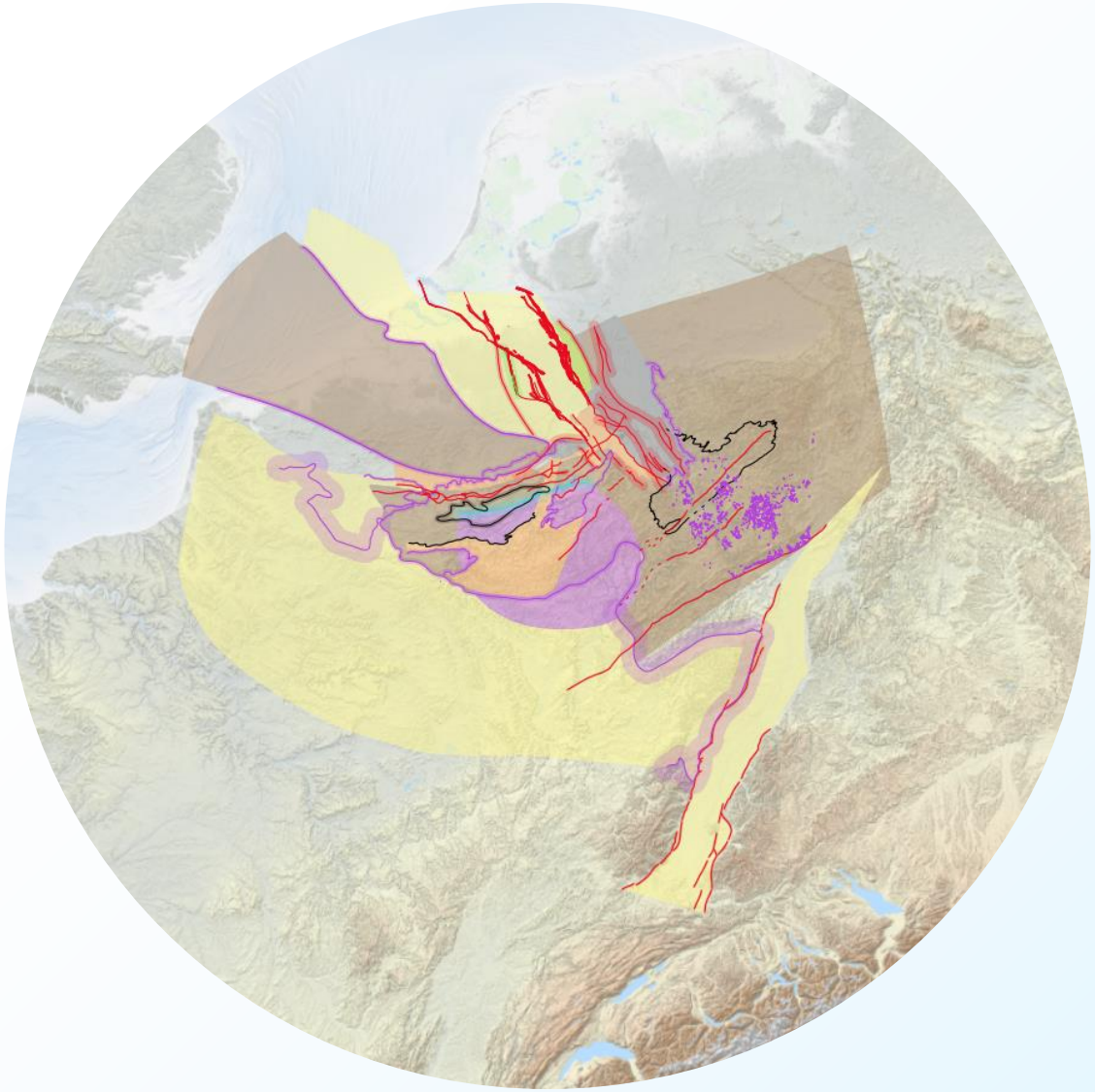

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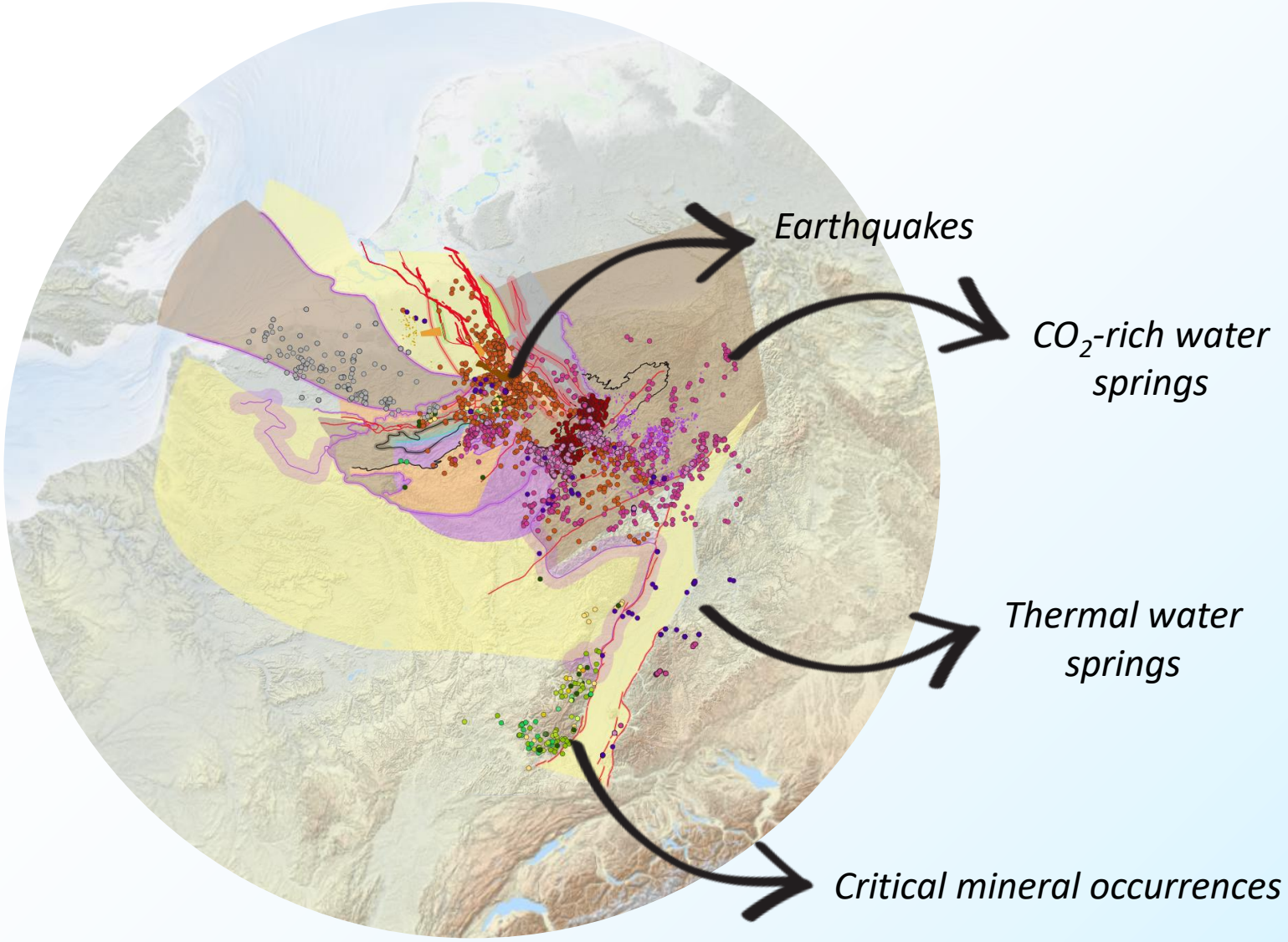
Geological information to unravel subsurface potential

Geomanifestations indicate where specific subsurface processes occur ➔ direct link with potential uses



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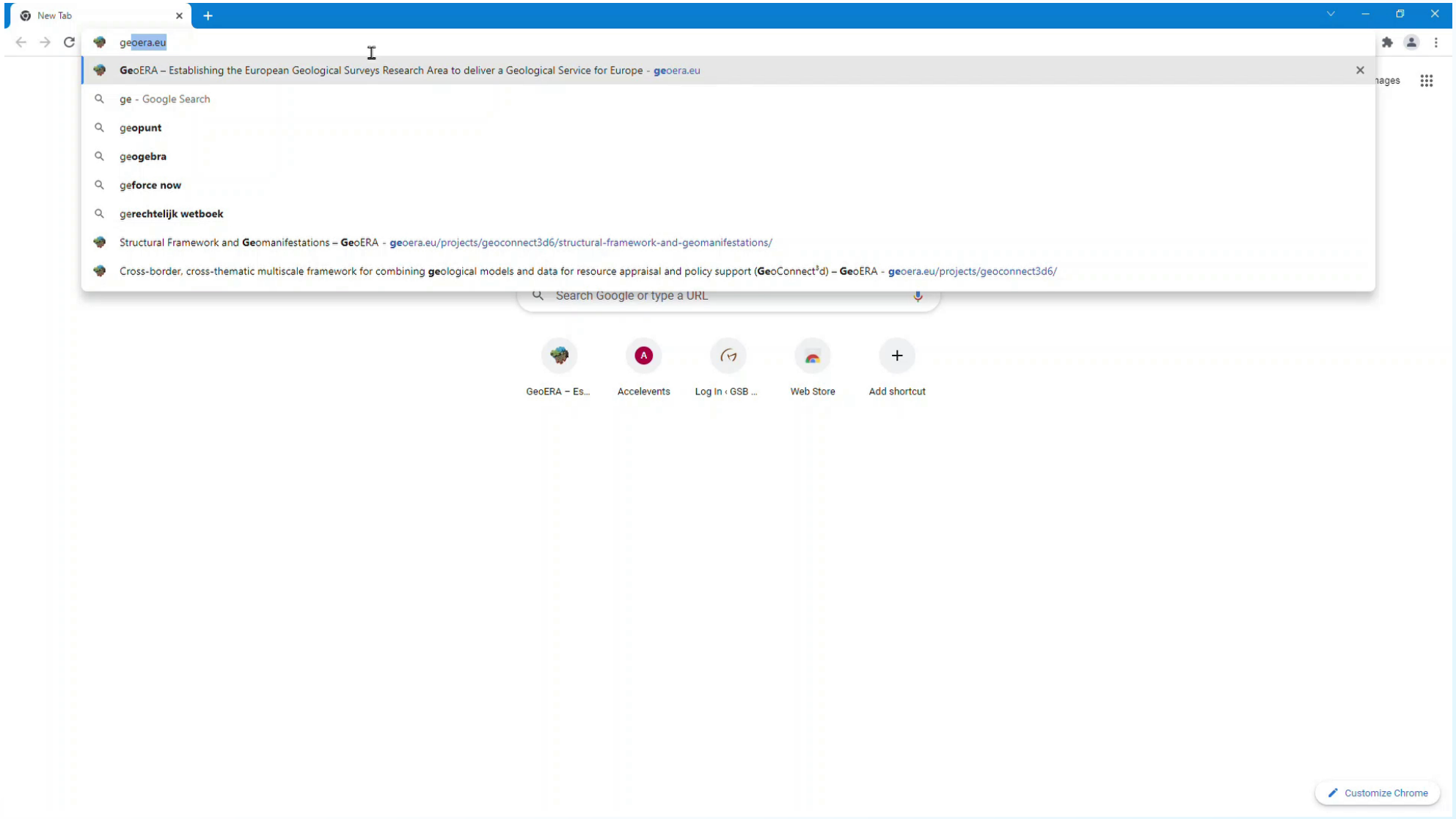
Open access to all information on the GeoERA website geoera.eu



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Thank you!

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