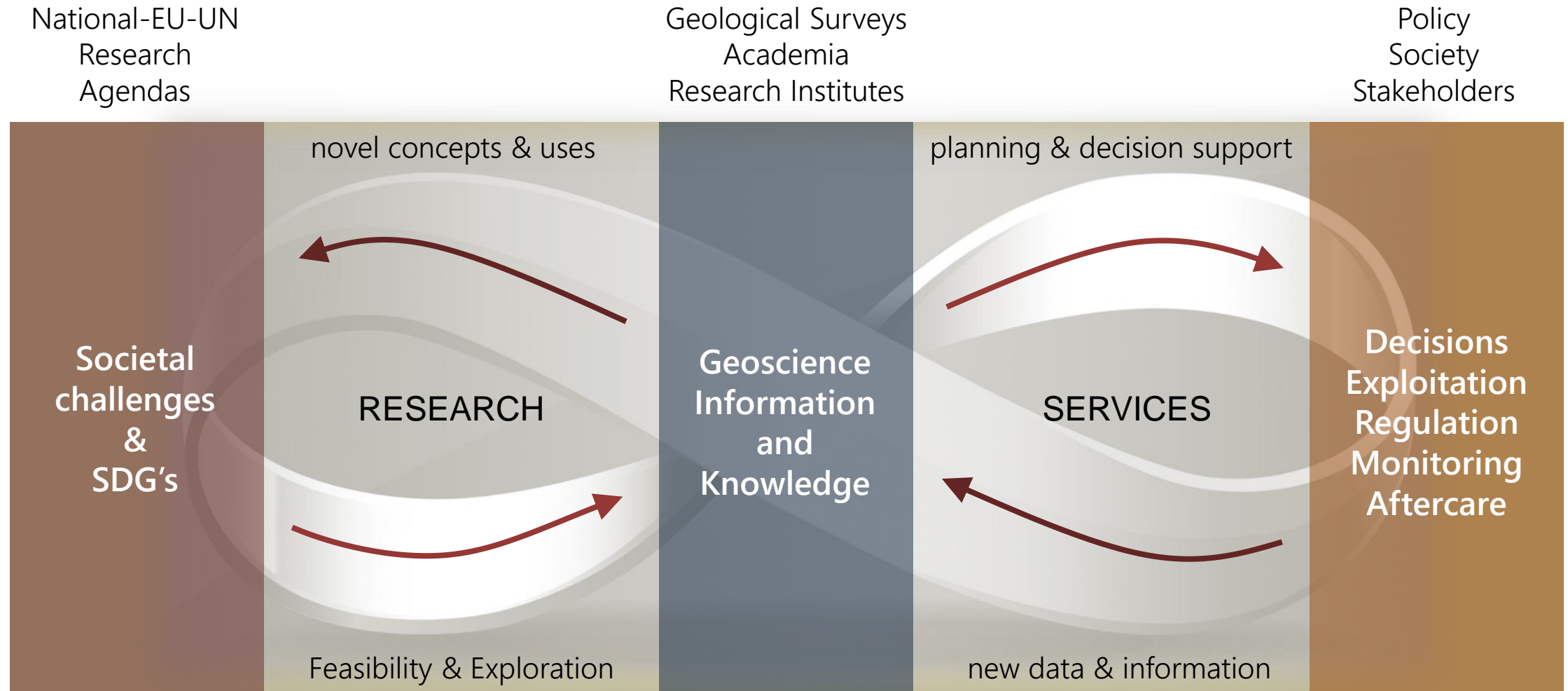


# GEOSCIENCE INFORMATION & KNOWLEDGE VALUE CHAIN: FROM RESEARCH TO SERVICES



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 731166

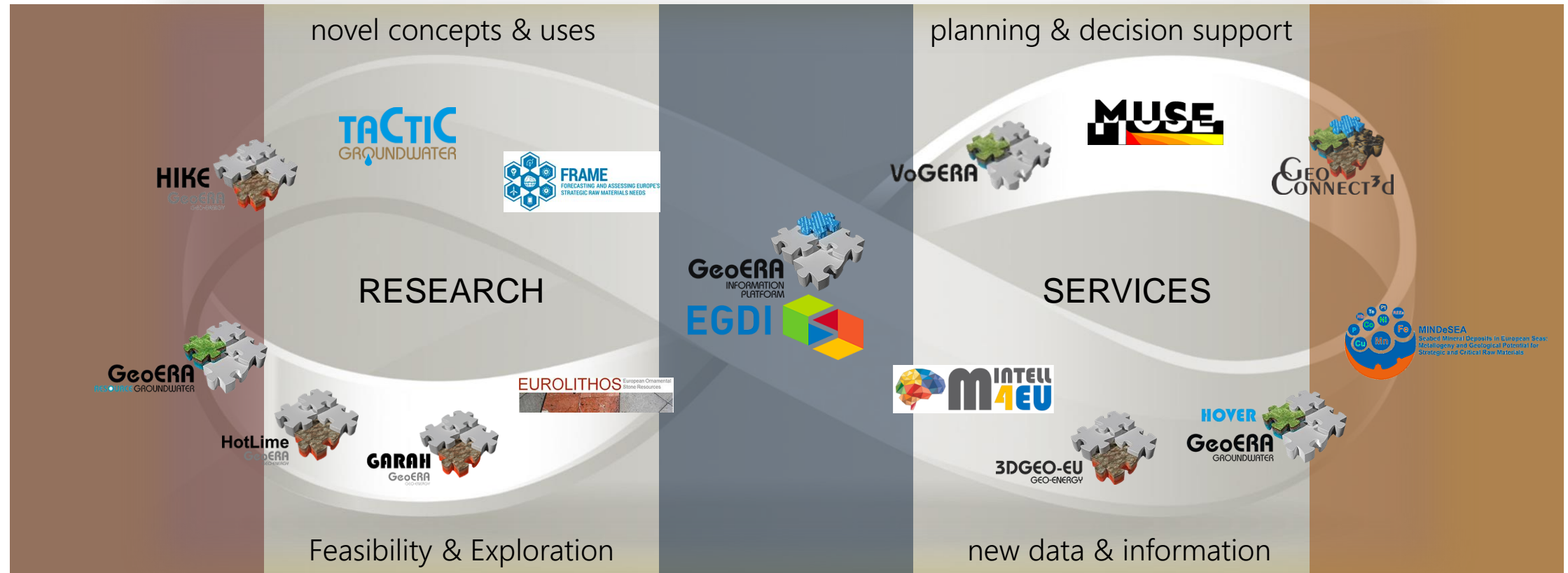


# GEOSCIENCE INFORMATION & KNOWLEDGE VALUE CHAIN: FROM RESEARCH TO SERVICES

National-EU-UN  
Research  
Agendas

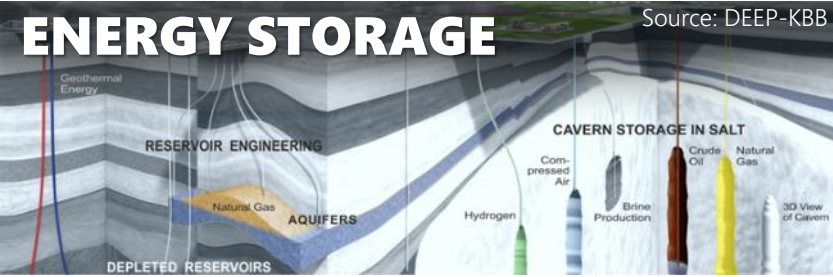
Geological Surveys  
Academia  
Research Institutes

Policy  
Society  
Stakeholders



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## GeoEnergy Programme Objectives and Scope

- Improve and harmonize prediction of geo-energy resources and storage capacities
- Improve detection and anticipation of synergies and potential bottle-necks like hazards and environmental impacts
- Deploy geoscience information in state-of-art decision support and subsurface management and planning tools
- Enable and improve the dialogue with stakeholders, societal organizations and public

**Foundation for developing Geological Services for Europe and paving the way for future research and innovation programmes**

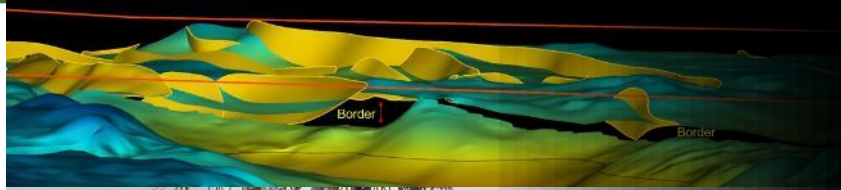


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# THE GEO-ENERGY PROJECTS



State-of-Art methods and strategies that pave the way towards a harmonized 3D digital twin of Europe's geology and subsurface resources



Capitalizing information and knowledge from the Oil & Gas industry to unlock the hydrocarbon potential in EU seas and options for CO2 and energy storage



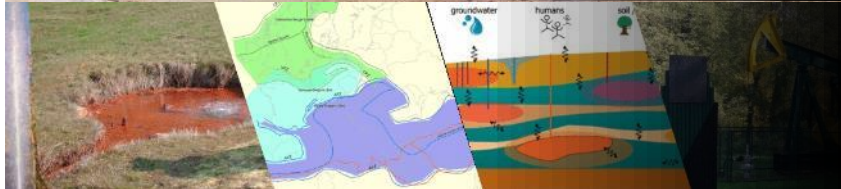
Novel information platform and stakeholder tools to enable and responsibly manage and deploy shallow geothermal potential in urban areas



Harmonized methods and information to unravel the potential for development of deep geothermal plays in Europe and reduction of exploration risks



A new state-of-art database for analyzing and disseminating information on faults including methods to assess hazards and impacts from geoenergy uses



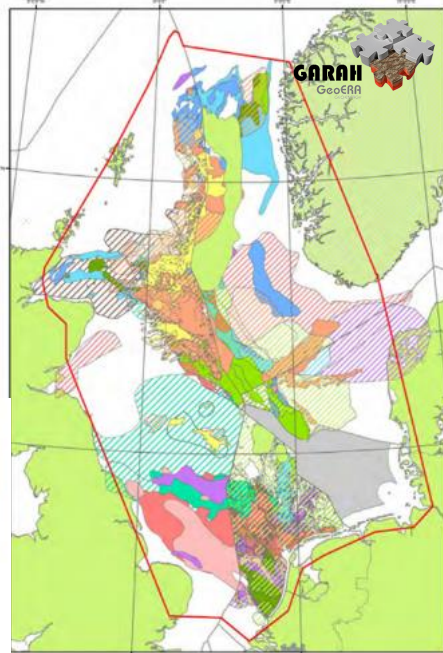
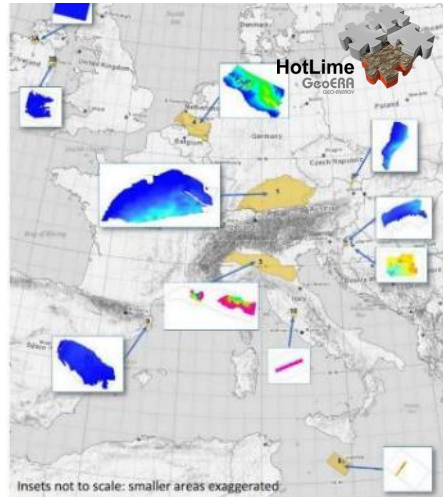
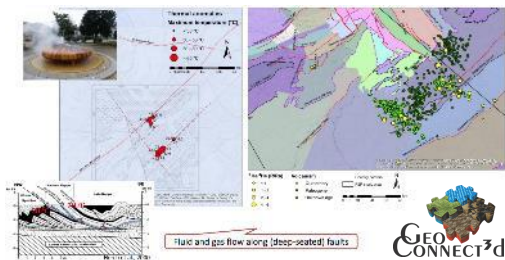
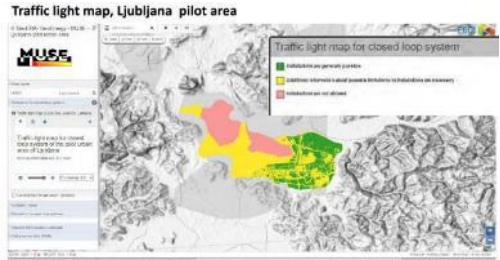
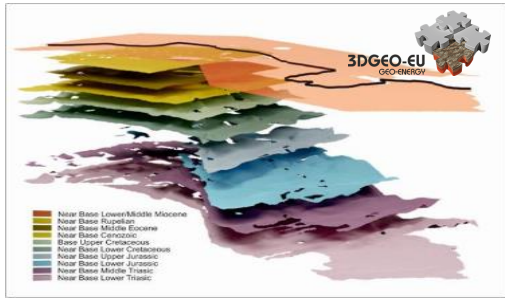
First-of-its-kind framework and tools to support subsurface management and stakeholder dialogs, focusing on different themes, scales and expert-levels



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# GEO-ENERGY THEME ACHIEVEMENTS AND IMPACTS



- A basis for evidence based, unbiased decision making at regional and transnational scales, to enable sustainable and renewable uses of the subsurface
- FAIR data, scale-independent methodologies and novel tools & services to unlock, analyze and manage subsurface potentials
- Reduction of uncertainties through transnational cooperation, creation of common geological framework models and harmonized assessment methods
- Contribution to prevention of avoidable costs and unwanted environmental hazards through a better understanding of critical geological structures and exploration risks
- Participation of stakeholders and decision makers towards a better integration of geo-energy technologies in the green transformation of the energy sector
- Better informed society and science communities through social media outreach, stakeholder & science events, and capacity building



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