

Overview of the session

- General presentation of SO 3.2
- Presentation of funded projects
- 3rd Call: challenges of the addressed field
- Project development - practical experience



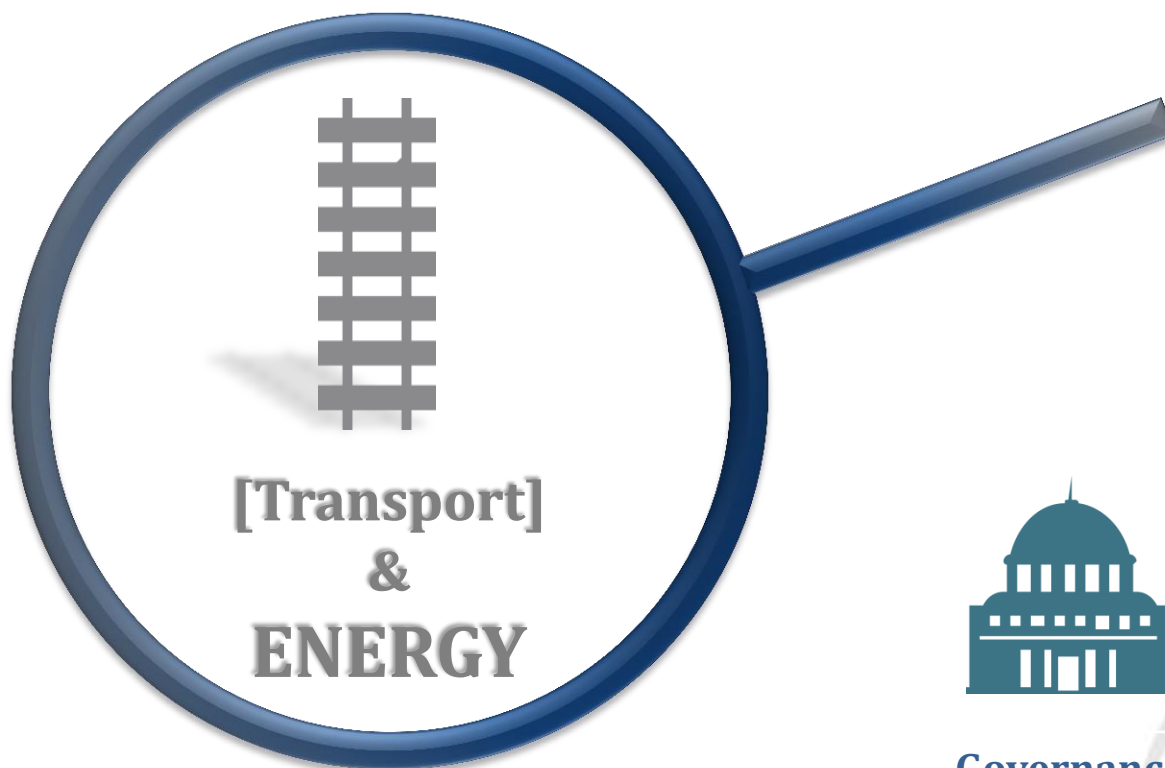
Areas of intervention



Innovation



**Environment and
culture**



Governance

Improve energy security and energy efficiency

Contribute to the energy security and energy efficiency of the region by supporting the development of joint regional storage and distribution solutions and strategies for increasing energy efficiency and renewable energy usage.



ERDF Regulation 1301/2013

TO 7e: promoting sustainable transport and removing bottlenecks in key infrastructures by – improving energy efficiency and security of supply through the development of smart energy distribution, storage and transmission systems and through the integration of distributed generation from renewable sources



Envisaged result

Improved information sharing and practical coordination of regional energy planning to achieve effective energy distribution, energy storage, diversification of energy sources including promotion of all kinds of renewable energy sources and higher energy efficiency in order to contribute to the security of energy supply.



Under SO 3.2, DTP is
NOT financing



- the shift towards a low-carbon economy (e.g. development and promotion of low-carbon strategies and technologies, promotion of sustainable urban mobility)
- energy efficiency of public buildings or housing sector
- implementation of energy efficiency measures / solutions (e.g. insulation, lighting, gas/ water metering, behaviour change).

1st Call projects

3Smart – provision of a technological and legislative set-up for cross-spanning energy management of buildings, grids and major city infrastructures in the Danube Region

DARLINGe – promoting the sustainable utilization of the existing but still untapped deep geothermal resources in the heating sector

ENERGY BARGE – exploitation of the potential for green energy in the form of biomass along the Danube river





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CHALLENGE

Inexistence of a regulatory/ technology framework for the implementation of building-grid cross-spanning energy management schemes

- Danube-wide analysis of the current regulatory and technology frameworks
- Creation of a modular software tool and guidelines for the regulatory framework in order to enable integrated real-time energy management of buildings and energy grids
- Testing of the tool on buildings and electricity grids in 5 countries + CBAs
- Strategies for the adoption of the EMS within the regulatory framework and for the uptake of the EMS on city scale

- Analysis of the current regulatory systems, of the geothermal energy utilisation and of the heat sector
- Ranking and assessment of the main potential geothermal reservoirs
- Development of a tool-box for the geothermal reservoir management (benchmark evaluation, decision tree, geological risk mitigation), tested in 3 pilot areas
- Creation of a harmonised and standardised database – DRGIP
- Development of Strategy and Action Plans for enhanced and sustainable use of geothermal energy



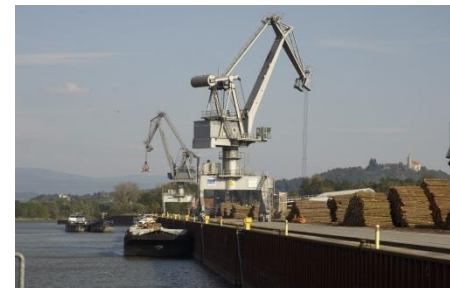
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CHALLENGE

Sustainable use of the still largely untapped deep geothermal resources in the heating sector

ENERGY BARGE

- Analysis of the bioenergy market and related value chains
- Creation of a transnational biomass and bioenergy atlas
- Creation of a multi-user ICT tool for data benchmarking
- Analysis of the requirements of bioenergy industry in relation to logistics services offered by the Danube IWT
- Creation of a green bioenergy logistics platform
- Pre-feasibility studies for two Danube ports and investments for processing and handling RES
- Analysis of current policies in biomass production and distribution, including identification of legal and administrative barriers
- Strategy to enhance energy security through green biomass logistics



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CHALLENGE

Unlock the potential of green energy (biomass) value chains in a cross-sectoral approach

2nd Call projects

NO RESTRICTIONS



*Remember the limited
scope of SO 3.2!*

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