



**Interreg**  
**Alpine Space**



 **Greta**  
EUROPEAN REGIONAL DEVELOPMENT FUND

## A step forward in the development and diffusion of the near-surface geothermal systems: the GRETA Project - Near-Surface Geothermal Resources In The Territory Of The Alpine Space

### **Workshop:**

### **Strategies and tools for administrators of the Italian Alpine Space**

**TUESDAY, MAY 15<sup>TH</sup> 2018 - 09:00-17:30**

Pirelli Palace

*Via Fabio Filzi 22 - Milano*

Heat pump systems using near-surface geothermal energy (NSGE) for heating and cooling purposes represent an efficient and advantageous technology that can contribute in an effective way to the reduction of the greenhouse gases emission. Despite the acknowledged benefits related to these systems, their diffusion on the territory is far to be adequate if compared to their real potential of development. In this context, administrators play a key role since they can give an impulse for increasing the use of the NSGE systems through the implementation of various instruments (informative, regulatory and technical).

The GRETA Interreg Project (*Near-surface Geothermal Resources in the Territory of the Alpine Space*), by sharing the knowledges, the guidelines and best practices of six Alpine Space countries, aims at demonstrating the potential of NSGE systems and at implementing harmonized regulatory instruments, maps of potential and approaches for the integration of NSGE into Energy Planning procedures. Within this framework, the workshop target is to discuss the preliminary results accomplished by the project and to share with the administrators of the Italian Alpine Space a common action plan that can foster the use of geothermal heat pumps while respecting the existing environmental constraints.

In the perspective of promoting a common action plan on the aforementioned subject, the main aspects and proposals discussed during the workshop will be published in a specialized magazine of the water and energy sector.



**Regione  
Lombardia**



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**Alpine Space**



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## Programme

Moderator: Francesco Spinolo, *Regione Lombardia*

### *Morning*

First session – The GRETA Project: experiences from the Alpine Space territories

- 09:15 The GRETA Project: presentation of the objectives and of the geographical contexts** Kai Zosseder, *Technical University of Munich (TUM)* - Project Leader di GRETA
- 09:40 Typology and applications of near-surface geothermal systems and regulatory, geological and environmental constraints** Alessandro Casasso, *Politecnico di Torino*
- 10:05 A look across the borders (1): discussion on the regulatory procedures in the Alpine Space countries** Joerg Prestor, *Servizio Geologico Sloveno (GEOZS)*
- 10:30 A look across the borders (2): discussion on the regulatory procedures in the Central Europe countries** Doris Rupprecht, *Servizio Geologico Austriaco (GBA)*

### *COFFEE BREAK*

Second session – the objectives of the GRETA Project as a support to the regulatory procedures

- 11:15 Regulatory procedures for geothermal system in Lombardia Region** Carlo Enrico Cassani, *Regione Lombardia*, Stefania Ghidorzi, *Infrastrutture Lombarde ILSPA*
- 11:40 Downloadable handbook and tools from the GRETA Project: first guidelines for the administrators and planners** Pietro Capodaglio, *ARPA Valle d'Aosta*
- 12:05 Maps of potential of near-surface geothermal systems** Simone Della Valentina, *Politecnico di Torino*
- 12:30 Strategies for the integration of near-surface geothermal systems in the energy plans** Pietro Zambelli, *EURAC Bolzano*

### *LUNCH (buffet)*

### *Afternoon*

**14:00** Third session – Procedures and strategies on the Italian Alpine Space Regions Contributions from all the participants. In rotation, each participant has (optionally) 5 minutes in order to expose its own point of view/experience on the procedural context of its own territorial context, focussing particularly on strengths and weaknesses.

- 14:30** Fourth session – Panel discussion on the implementation of strategies and tools  
The participants will be split into three discussion groups held by a moderator:  
Group 1: **Implementation of open databases and webgis**  
Group 2: **One-Stop-Shop procedures**  
Group 3: **Harmonization of procedures**

