



CHPM2030 PROJECT – CHPM2030 Consortium Meeting, Advisory Board Workshop and European Commission Review : halfway through the project, all the way to geothermal innovation's top

PRESS RELEASE | BRUSSELS | September 2017 – The 4th CHPM2030 Consortium Meeting, the 2nd Advisory Board Workshop and the 1st European Commission Review Meeting were organised from 11th to 14th September 2017 in Brussels, Belgium. The project partners, the experts from the Advisory Board, as well as representatives from the European Commissions, evaluated the work done so far and discussed the future planning of this very promising project.



Brussels, the capital of Europe and, for four days, the heart of geothermal innovation. During four days, representatives from the different **international partners** of the **CHPM2030** gathered together inside the Royal Belgian Museum of Natural Sciences to review the project's progresses, as it is already halfway through its lifetime; to exchange with the experts from the **Advisory Board**, to submit their work to the European Commission's review, and, last but not least; to plan the next steps that need to be taken to guarantee the most **promising future** for this ambitious

project that aims at converting ultra-deep metallic mineral formations into an orebody-EGS (Enhanced Geothermal System) in order to satisfy **European needs for energy and strategic metals** in a single interlinked process.

On the first day, partners thoroughly prepared for the week ahead before heading to a typical Belgian dinner in the historical center of the **Capital city of Europe**. On the second day, Isabel Fernandez, Executive Director of the European Federation of Geologists (EFG, co-host of the event along with [VITO](#) and the Catholic [University of Leuven](#)) welcomed the partners as well as the experts from the Advisory Board, and officially launched the **Workshop**. The goal of this interactive meeting was to gather the precious remarks and comments from the **experts**, especially on topics related to methodology framework, laboratory experiments and orebody investigations; and metal recovery and electrochemical power generation. The exchanges were extremely **rich** and both partners and experts were thrilled with the many valuable outcomes that will sure be implemented moving forward with the project.

The following days were dedicated to a thorough **review** of the project's progresses and **future plans** among partners who covered even more deeply the topics discussed with the experts, dedicating special time and focus to questions of integrated reservoir management, metal content mobilisation using mild leaching and with nanoparticles, systems dynamics and integrated sustainability assessment. Moreover, partners also discussed progresses and further plans when it comes to dissemination and stakeholder involvements as well as project involvement. The discussions were enriched by the valuable and positive inputs by the Project Officer, representing the **Europe Commission**.





Summarizing such a **fruitful week** is quite the challenge but it appears this 4th Consortium Meeting was very **successful** looking at all partners' enthusiasm and **common vision for the future of the CHPM2030 project!** Now, before the next meeting, it is time to head back to work and make the second half of this innovative project's life **even more successful!**

CHPM2030 is a 42-months project funded by the European Commission's Horizon2020 programme on Research and Innovation (grant agreement n° 654100) that started on 1 January 2016. The strategic objective of CHPM2030 is to develop a novel and potentially disruptive technological solution that can help satisfy the European needs for energy and strategic metals in a single interlinked process. In the CHPM technology vision the metal-bearing deep geological formation will be manipulated in a way that the co-production of energy and metals will be possible, and may be optimised according to the market demands.

Working at the frontiers of geothermal resources development, minerals extraction and electro-metallurgy the project aims at converting ultra-deep metallic mineral formations into an "orebody-Enhanced Geothermal Systems (EGS)" that will serve as a basis for the development of a new type of facility for "Combined Heat, Power and Metal extraction" (CHPM).

As a final outcome the project will deliver blueprints and detailed specifications of a new type of future facility that is designed and operated from the very beginning as a combined heat, power and metal extraction system. The horizontal aim is to provide new impetus to geothermal development in Europe by investigating previously unexplored pathways at low-Technology Readiness Levels (TRL). This will be achieved by developing a Roadmap in support of the pilot implementation of such system before 2030, and full-scale commercial implementation before 2050.

Led by the University of Miskolc (Hungary) the CHPM2030 project partners represent governments (NERC, LNEG, IGR, SGU), research organisations (ISOR, VITO), academia (UNIM, USZ, KLeuv), SMEs (MinPol, LPRC) and the European geoscientific professional community (EFG). All of these participants are outstanding representatives of their particular sector and will contribute to the success of the project with their unique know-how. The project kick-off meeting took place in Miskolc, Hungary on 28 and 29 January 2016.

MORE INFORMATION

<http://chpm2030.eu>



CONTACT

Coordinator – University of Miskolc (Hungary)

Éva Hartai: foldshe@uni-miskolc.hu

Tamás Madarász: hgmt@uni-miskolc.hu

Aranka Földessy: ttkfa@uni-miskolc.hu

