



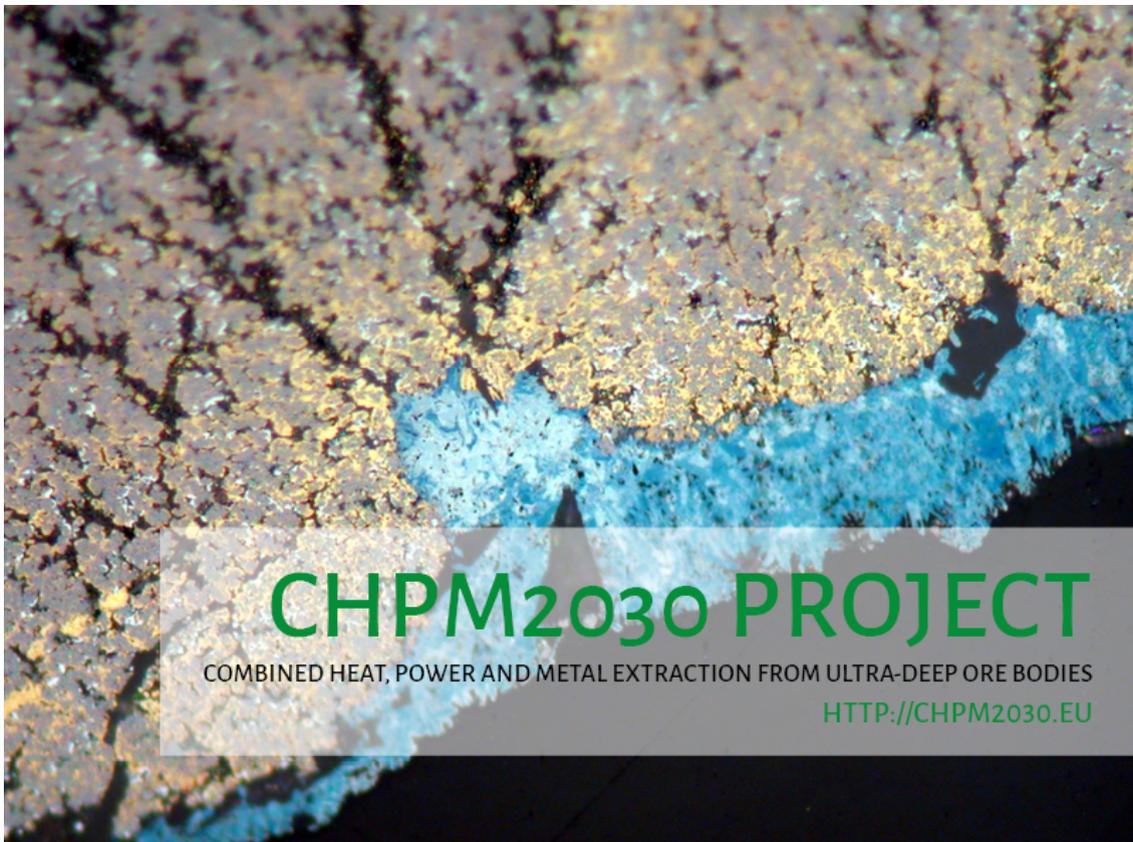
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[Test] CHPM2030 project launch

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15 June 2016 at 17:46

CHPM2030 project – Newsletter #1



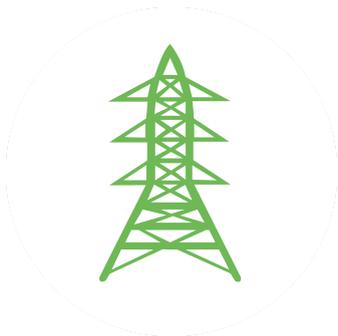
ABOUT US

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 conducted in a way that the co-production of energy and metals will be possible, and may be optimised according to the market demands.

AIMS

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).



Energy

Extraction of geothermal energy helps to satisfy Europe’s energy needs. In this aspect, deep geothermal energy will be a key technology.



Raw Materials

Mineral extraction from the geothermal fluid will decrease the import dependency of Europe and improve the economics of deep geothermal or EGS systems.



Environment

Geothermal energy production has a minimal effect on the environment. The additional close-circuit metal extraction will generate much less environmental impact than the traditional surface or underground mining.

THE CONSORTIUM

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).

CURRENT ACTIVITY

In the frame of Work Package 1, a study is currently under preparation, which will provide an EGS relevant review of the metallogenic provinces of Europe. With the tools of ore geology and metallogeny, it will serve as a background for formulating a detailed concept on the application of the CHPM technology.



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