

Annual report 2018 for Joint Programme Geothermal (JPGE)

In this short report, we try to take a small step back and summarize some of the main EERA JPGE activities implemented in 2018.

In 2018, we have:

- provided input to the SET-plan [Implementation Plan Deep Geothermal](#)
- provided input to the follow-up proposal of the [EoCoE platform](#)
- sent three [newsletters](#), informing on a range of our activities
- been an active stakeholder in the [European Technology and Innovation Platform Deep Geothermal](#)
- organized an EERA JPGE annual meeting in Rome (24-25 September), including a strategic seminar for the update of our Description of Work
- co-organized [the European Geothermal Workshop \(EGW\)](#) in Strasbourg (10-11 October), with internal sessions within individual Sub-Programmes
- expanded our activities with the establishment of the new Sub-Programme *Computing and Data Management*
- partnered in the JA-2 proposal for H2020 [to support the realisation of the SET Plan Implementation Plan Deep Geothermal](#)
- updated the JPGE Description of Work, governing our inputs to policy makers and funding agencies
- promoted and featured the H2020 project GeMEX, initiated by the JPGE, in a video highlighting geothermal energy in occasion of 10th anniversary of the European Energy Research Alliance
- contributed to the new initiative for EU-Africa collaboration in renewable energy - PRE-LEAP-RE from the EERA. .It is the first year CSA for preparing a 5 years EJP. JPGE contribution for this CSA is essential considering the opportunities within geothermal in Africa. A Stakeholder Workshop was organized in Brussels (6-7 December).
- contributed to the publication "Geothermal Energy and Society". This book explores the diverse aspects of the relationship between the technological harnessing of geothermal resources and the societies and local communities in which these developments take place.



Joint Programme Coordinator (JPC) Inga Berre (UiB) has, together with the Scientific and administrative Secretariat, started and almost finalized the process of updating and revising the Description of Work (DoW) for JPGE. This process will be completed in the first quarter of 2019. The DoW shall be finally approved by the Steering Committee (SC).

JPGE Management Board (MB) is led by the JPC, consisting of the Sub-Program Coordinators, Scientific Secretary and administrative Secretariat/Program office. In addition, Holger Ihssen is invited as an observer to the MB. MB has been very active and held six meetings during 2018, five via WebEx and one physical meeting.

In JPGE, several **Joint Programme Coordinator Team** meetings have been held via videoconference between UiB and GFZ to coordinate work and communicate updates on the progress of ongoing tasks and for planning upcoming events.

JPGE Steering Committee meeting

EERA JPGE organized a two-day JPGE Steering Committee meeting in Rome (24-25 September 2018), hosted by ENEA.

There were 36 participants attending and representatives of all Sub-Programmes were present. 23 participating member institutions were represented.

The SC invited three JPGE applicants: Ecole Polytechnique Fédérale de Lausanne, Università degli studi di Firenze and University of Geneva to join the meeting in order to present their institutions and answer questions from the SC. As a result, they were approved as new Associate participants.

The SC meeting also approved the updated governance structure and elected and approved candidates for Sub-programme coordinators and deputies for the next four years.



JPGE SC Meeting in Rome
- hosted by ENEA

European Geothermal Workshop (EGW)

EERA JPGE co-organised EGW 2018. The conference was held over two days and JPC Inga Berre was a member of its Scientific Committee. The European Geothermal Workshop took place in 10-11 October 10-11, 2018. The event was co-organized by EERA JPGE, in partnership with LabEx G-eau-thermie profonde (EOST, University of Strasbourg, CNRS) and KIT (Karlsruhe Institute of Technology).



The EERA JPGE Sub-Programmes' workshops were embedded directly into the program of the EGW2018.

This coordinated effort was successful, in particular the linking of the EGW sessions with the JPGE sub-programmes.

Based on the successful collaboration in 2018, EERA JPGE accepted an invitation from KIT and Univ Strasbourg to coorganize the EGW event in 2019 as well.

In 2018, JPC Inga Berre has also represented JPGE in the Scientific Committee for European Geothermal Congress, two central EERA meetings for JP Coordinators in Brussels, as well as the 10th anniversary for EERA.

MB representatives David Bruhn, Jan-Diederik Van Wees and Inga Berre represented EERA in a meeting on Expert Group advice from EERA to DG RTG/DG ENER.

JA-2 project proposal for H2020 granted

The objective of the project “Support for the Deep Geothermal Implementation Working Group” (SU-DG-IWG) is to establish a secretariat for the DG-IWG for achieving its goals efficiently and productively.

The consortium will push forward a broad mobilisation of the Geothermal community to implement the action in the IP.

The project will support the collaboration and networking among representatives of the triple helix (research, industry and government) at the regional and national level and with their counterparts from the Horizon 2020 Associated Countries.

JPGE Organization

Joint Program Coordinator: Inga Berre, inga.berre@uib.no

Scientific Secretariat: David Bruhn, dbruhn@gfz-potsdam.de

Programme office/secretariat:

Justyna Ellis, ellis@gfz-potsdam.de

Charlotte Gannefors Krafft, chga@norceresearch.no

Sub-Programme coordinators:

SP1 Assessment of Geothermal Resources:

SP2 Exploration of Geothermal Reservoirs:

SP3 Constructing Geothermal Wells:

SP4 Resource Development:

SP5 Energy Conversion Systems:

SP6 Operation of Geothermal Systems:

SP7 Sustainability, Environment and Regulatory Framework:

SP 8 Computing and Data Management:

Philippe Calcagno, p.calcagno@brgm.fr

Jan Diederik van Wees, Jan_Diederik.vanWees@tno.nl

Erlend Randeberg, Erlend.Randeberg@iris.no

Martin Saar, saarm@ethz.ch

Paola Bombarda, paola.bombarda@polimi.it

Thomas Kohl, thomas.kohl@kit.edu

Francesco Rizzi, francesco.rizzi@sssup.it

Florian Wellmann, wellmann@ices.rwthachen.de

