

Note from the coordinator

Coming up over summer are two important events for our Joint Programme Geothermal. September 24th-25th our the JPGE Annual Meeting will take place in Rome, including a JPGE Steering Committee meeting on the 25th. The meeting will emphasize discussions on strategy and research objectives for our joint programme, resulting in an updated description of our work.

A couple of weeks later, the European Geothermal Workshop will take place in Strasbourg, October 10th-11th. The workshop is organized by LabEx G-eau-thermie profonde in partnership with KIT and EERA JPGE. EERA JPGE members can register at a reduced fee. The workshop sessions are directly linked to our sub-programmes and co-convened by our sub programme coordinators.



More information on the events can be found at the links given in the section on upcoming events at the end of this newsletter. I look forward to our upcoming discussions!

Inga Berre

Coordinator, JPGE

Intellectual Property Repository



EERA has the Intellectual Property Repository to foster knowledge transfer from JPs/IRPs to relevant industrial stakeholders.

This in order to promote exploitation of knowledge/research results, and to pool knowledge generated within EERA research communities.

The repository is meant for all EERA members and each organization can manage their own assets in the repository. The Web Showcase, public for all, promotes the assets for further dissemination; <https://www.eera-set.eu/eera-joint-programmes-jps/about-jps/ip-assets/>.

Starting from 2019, Thomas Kohl, KIT will be our contact person for the repository.

Upcoming Book:

"Geothermal Energy and Society"

A book, called "Geothermal Energy and Society" will be published by August 30 by Springer. The editors are:

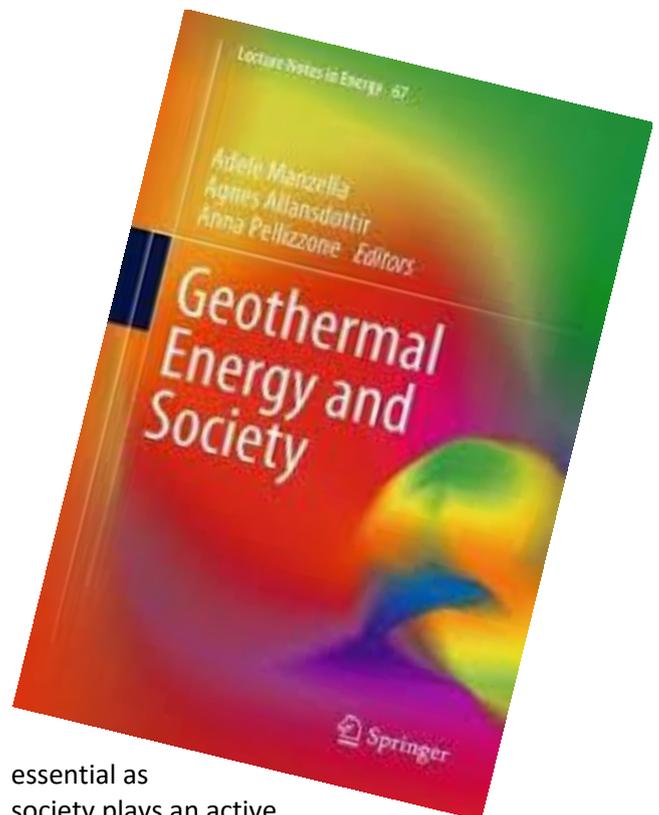
- **Adele Manzella** (*Italian National Research Council (CNR), in Pisa*)
- **Agnes Allansdottir** (*Università degli Studi di Siena*)
- **Anna Pellizzone** (*PhD Scholarship, National Research Council, Institute of Geosciences and Earth Resources (CNR-IGG), Pisa*)

In addition various institutions and authors from the JPGE are involved.

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.

The responsible use of geothermal energy can help with mitigating the effects of climate change and contribute to the development of renewable and sustainable energy mix in the transition toward a low carbon society.

As with all other developments in the energy sector, a sustained societal dialogue is



essential as society plays an active role in either accelerating or preventing the development of new energy technologies.

This volume introduces a theoretical framework for a social scientific approach to the field and represents the first tentative collection of empirical case studies on geothermal energy and society from across the globe. It is organized into two sections. The first section is introductory to the issue of geothermal energy and the related policy and societal aspects, and is followed by a selection of eleven case studies constituting the second section. A conclusive chapter brings together the various contributions and sets out the lessons learned for this sector.

REMINDER: JPGE Meetings 2018 in Rome

Please be reminded of the EERA JPGE Meetings in Rome 24-25 September and reserve the date in your calendars.

We also kindly ask you to respond to request from Justyna Ellis regarding participation, this to aid in the planning and logistics of the scientific part and the Steering Committee meeting



EERA 10th Anniversary



EERA celebrated its 10th anniversary with a conference in Brussels 26-27 June, 2018. Related to the event, a few examples of important EERA contributions were highlighted, including JPGE and the GEMex project. In the announcement it was stated:

“Another flagship of EERA’s commitment to making transformative ideas a reality is **the EU GEMex project** (Horizon2020), an unconventional geothermal energy collaboration between European and Mexican research institutions, universities and industry. This project, powered by **EERA’s Joint Programme Geothermal**, will enable the development of superhot or engineered geothermal systems. If successful, it will result in much higher 24/7 electricity generation from more locations, and it will require significantly fewer boreholes. Enhanced geothermal systems can access energy from dry and impermeable rock, opening the window to distributed, ultra-efficient heat and power co-generation. The expertise of the EERA members is crucial in the project because GEMex is advancing into unknown territories and builds upon the experience made so far by the JP Geothermal.”

EERA JPGE was also featured in a video released related to the EERA 10yr anniversary that can be found under the menu tab “Videos” at the web-page <https://www.eera-set.eu/eera-10-year-anniversary-conference-brussels-26-27-june-2018/>

News from EERA Scientific Workshop

The EERA Scientific Workshop held in Brussels on 19 April and Joint Programme Geothermal Energy Coordinator, Inga Berre, joined.



The Workshop contained several parallel sessions and the overall comments highlighted a general request to increase the number of opportunities for JPs to meet, exchange and work together. As Workshop output, seven discussion tables were produced: Berre partook in the discussions regarding *Decarbonized energy systems* summarized to:

- Integration of baseload, dispatchable, and intermittent renewable sources in decentralised production of energy

- Optimization of decentralized systems and processes for power and heat
- Coupling of thermal and electric systems and processes
- Improving dispatchable capacity in production of renewable resources
- Accelerated focus on research on materials for energy: development, sustainable production, recycling, end-of-life-use (*article continues on next page*)
- Encourage the communication of the critical role of energy research to the public
- Member states have to step up and fulfil and implement their SET-plan obligations.
- Make use of the SET-plan to NDC (Nationally Determined Contribution)
- Enable technology and research for making industry carbon neutral

The workshop provided input for the new EERA strategy, which will be finalized over the summer.

EGW2018

6th EUROPEAN GEOTHERMAL WORKSHOP

The European Geothermal Workshop will take place on October 10-11, 2018 in Strasbourg, France. Read more about the event here: <http://labex-geothermie.unistra.fr/rubrique274.html?lang=fr>.

EGW2018 is organized by **LabEx G-eau-thermie profonde** (EOST, University of Strasbourg, CNRS), in partnership with **KIT** (Karlsruhe Institute of Technology) and **EERA JPGE** (European Energy Research Alliance). EERA JPGE Sub-Programmes will organize their workshops during this meeting, which will be embedded into the program of the EGW2018.

You can download the current program for October 10-11 : http://labex-geothermie.unistra.fr/IMG/pdf/egw2018_flyer-programm.pdf



EERA JPGE expresses condolences on the passing of Ruggero Bertani

EERA JPGE expressed condolences on the passing of the chair of ETIP Deep Geothermal and president of EGEC, Ruggero Bertani, 21 June 2018.



EERA JPGE has had a close collaboration with the ETIP-DG since it was founded.

On behalf of the EERA JPGE, coordinator Inga Berre stated:

“We will remember Ruggero Bertani for his outstanding contributions and service to the geothermal energy sector in Europe as well as internationally. His enthusiasm and commitment will be missed.”

Upcoming events

- 4 September 2018, EERA PGE Management Board Meeting
- 24-25 September 2018: JPGE Annual gathering in Rome. Including Steering Committee meeting.
- 10-11 October 2018: European Geothermal Workshop 2018 in Strasbourg with EERA JPGE Sub-programme workshops.