

# Minutes of the dissemination activity at Climate Alliance conference

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Title: In situ session: Making us of geothermal / Geothermie nutzen

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Organization: Climate Alliance

Moderators: Dr. Andreas Kress, Janina Emge

Location/Date/Time: Essen/21.09.2017/10:45 – 13:15



## I. Short Description

This document describes the dissemination activity at Climate Alliance conference 2017 in Essen which took place at SANAA building at Zeche Zollverein in Essen.

## II. Minutes of the Training

**Venue:** SANAA building in Essen

The **aim** of the dissemination activity at Climate Alliance conference is to spread information about the EU project GRETA, to perform project results and to create space for an exchange on geothermal energy.

**What:** Carrying out an informal exchange of experiences among participants working among different fields and topics.

**Format:** In these In situ sessions, participants will leave the conference location to see examples of transformation throughout Essen, having the chance to speak with stakeholders and civil society as well as representatives from other municipalities with inspiring stories to tell.

**Description of the event:** Geothermal energy sources can provide great opportunities for sustainable energy. Discuss this often overlooked resource as well as the opportunities and challenges associated with its use.

**Content:** Annika Knies from Folkwang Agentur GmbH welcomed the participants in SANAA building. The building was planned by Japanese architects in 2006 and originally used by "Zollverein School of Management". Since 2010 the "Folkwang Universität der Künste" uses the rooms for events, congresses and exhibitions.

Afterwards Birgit Jakoby from NRW.URBAN GmbH & Co. KG explained the participants the building's energy system. It is heated by mine water using. The mine water at Zeche Zollverein in Essen has a temperature of 30 degree Celsius. For energy using the heat gets extracted from the water via heat exchangers and is heated by heating coils. Moreover, SANAA building has an active thermal insulation. Afterwards the used mine water is directly led to the river.



Subsequently Fabian Böttcher from Technische Universität München who is leadpartner of the EU funded project GRETA clarified the term shallow geothermal energy to the participants. He gave an introduction of the project GRETA which aims to improve the sustainable use of near-surface geothermal energy in region, thus contributing to a reduction in CO<sub>2</sub> emissions. In order to achieve this goal, Technische Universität München works closely together with the City of Munich in developing an energy use plan.



### III. Conclusion

Summarizing, the participants of the In situ session were a very international group from different professional fields. This led to lively expert exchanges where specific issues were highlighted. Even as the format of the session offered room for exchange.