



W8 Knowledge Exchange Workshop on environmental impact monitoring of Shallow Geothermal Use	
Date, time	29.11.2018 Block I: 11:00 – 12:40 Block II: 14:00 – 15:40
Location	Haus der Technik Hollestraße 1, 45127 Essen (Germany)
Chair	<ul style="list-style-type: none">• Gregor Goetzl, Geologische Bundesanstalt• Kai Zosseder, TU München• Rüdiger Grimm, geoENERGIE Konzept GmbH
Summary	The knowledge exchange workshop addresses existing concepts and methods as well as knowledge- management gaps concerning the monitoring of shallow geothermal use. In the context of the workshop, monitoring covers the impact of shallow geothermal installations on shallow groundwater bodies as well as the subsurface (environmental impact monitoring). Based on case studies presented in the first session of the workshop, gaps and barriers to overcome as well as approaches for harmonization of methods and concepts will be discussed in the interactive second session of the workshop. The workshop will be organized by the European projects GeoPLASMA-CE, GRETA and MUSE.
Target group	Researchers, planners, authorities, project team members GeoPLASMA-CE, GRETA and MUSE
Schedule	11:00 – 12:40 // Session I Short introduction to the workshop (5 min) Case studies (1): max 15 minutes speaking time <ul style="list-style-type: none">- W 8.1 Thermal impact assessment of groundwater heat pumps (GWHPs), Alessandro Cassao, Politecnico di Torino (GRETA)- W 8.2 The Cardiff Urban Geo Observatory, UK: monitoring of a shallow unconsolidated urban aquifer, Gareth Farr, British Geological Survey (MUSE)- W 8.3 Monitoring the anthropogenic heat impact on a shallow aquifer in Vienna, Cornelia Steiner, Geologische Bundesanstalt (GeoPLASMA-CE)- W 8.4 Thermal interaction of neighbourly shallow geothermal systems: An example project from Dresden, Germany, Tom Reinhardt, geoENERGIE Konzept GmbH (GeoPLASMA-CE)- W 8.5 Thermal interactions between neighbouring shallow geothermal systems: challenges and possible solutions, Henk Witte, Groenholland Geo Energy systems. Question and answer round session I Moderation by G. Goetzl

	<p>14:00– 15:40 // Session II</p> <p>Case studies (2):) : max 15 minutes speaking time</p> <ul style="list-style-type: none"> - W 8.6 Activities of the Polish Geological Institute – National Research Institute in mapping and monitoring of shallow geothermal energy, Maciej R. Kłonowski, Polish Geological Institute (MUSE) - W 8.7 The role of hydraulic models in the evaluation-process of geothermal use of alpine aquifers ; Example of the touristic centre Davos, Switzerland, Peter Huggenberger, Universität Basel (GRETA) - W 8.8 Geothermal use of an Alpine aquifer – pilot study Davos, Stefan Scheidler, Universität Basel (GRETA) - W 8.9 Connecting shallow geothermal resources to the Internet of Things, Fabian Boettcher, TU München (GRETA) - W 8.10 GEOENVI: Tackling the environmental concerns for deploying geothermal energy in Europe, Philippe Dumas, European Geothermal Energy Council. <p>Discussion round: Moderation by G. Goetzl, R. Grimm and K. Zosseder</p>
--	--

For further information in English language please visit: https://www.der-geothermiekongress.de/fileadmin/user_upload/DGK/DGK_2018/DGK_2018_ENG_Program_20180917_WEB.pdf