



## SHale gas Exploration and Exploitation induced Risks



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 640896.

Gross Schonenbeck,  
data and information  
available within SHEER project

Dorota Olszewska, IGF PAS

**First Annual Meeting**


Napoli - June 7-9, 2016

Hotel Palazzo Esedra, Piazzale Tecchio, 50 – 80125

# Presentation plan

1. Data available within episodes
2. Access to the data

# Gross Shonenbeck: geothermal energy production experiment

- An injection deep well and a doublet of production wells were established in this area reaching the reservoir rocks like red bed sandstone and andesitic volcanic rock at the 4200m depth. Injection performed from 9th to 14th August 2007 was used for repeated stimulation treatments to investigate scenarios of enhancing productivity of thermal fluid recovery from the underground. A total amount of 13,000 m<sup>3</sup> of water was injected. The maximum injection well-head pressure reached 58.6 MPa.
- Episode was integrated the framework of  project.

Episode: Lubocino	Seismic	Water quality	Air quality	Satellite	Industrial	Geodata
Planned	X				X	
Available	X				X	X

# Gross Shonenbeck: geothermal energy production experiment

## Seismic

- Seismic network
- Catalog (29 records. Magnitude range Mw: -1.8 to -1.0)
- Event related waveforms available from 23/07/2007-22/08/2007

## Industrial data

- Wells geometry
- Time series of injection rate, wellhead pressure

## Geo data

- Velocity model

# Access to the data

- all data available on CIBIS - currently
- since 1/07/2016 data available on SHEERWER
- all data available as open access on IS-EPOS platform

