



**SHEER WP2 Report, 30.04.2016  
for the Progress / PTM Meeting in ...  
(WP Leader B. Orlecka-Sikora IGF PAS,  
representative AMRA, KeU, GFZ, KNMI, RSK, UW)**

**Short summary of the progresses of the period**

Please provide a concise overview of the progress of the work in line with the structure of Annex I to the Grant Agreement (DoA)

• **List of the staff actively involved in the WP2:**

IGF PAS: Beata Orlecka-Sikora (WP leader, Task 2.1. leader), Stanisław Lasocki (Tasks 2.2 and 2.3. leader)  
Dorota Olszewska, Monika Staszek, Szymon Cielesta, Izabela Dobrzycka, Mateusz Lasak

AMRA: Simona Esposito (Task 2.4 leader), Angela Di Ruocco, Raffaella Russo, Matteo Picozzi, Riccardo Lanari, Paolo Capuano, Paolo Gasparini, Giuseppe Solaro

KeU: Nigel Cassidy, Rachel Westwood, Sam Toon

GFZ: Simone Cesca, Torsten Dahm

KNMI: Bernard Dost

RSK: Andrew Gunning

UW: Micheal Cheadle

• **Objectives expected after 12 Months:**

1.1. Established SHEER database with multidisciplinary data and technological parameters for past case studies. The following past case studies should have been integrated:

- A. PREESE HALL: shale gas,
- B. GRONINGEN FIELD: conventional hydrocarbon production,
- C. GROSS SCHOENEBECK: geothermal energy production experiment,
- D. BECKINGHAM SITE: conventional hydrocarbon production,
- E. LUBOCINO: shale gas,
- F. THE GEYSERS: geothermal energy production,
- G. GEISER project dataset,
- H. WYOMING dataset.

1.2. Already collected data from WYSIN on-site monitoring integrated in SHEER database with the possibility of new data upload.

1.3. Data available for SHEER consortium members.

1.4. Preparation of Data Management Plan.

1.5. Integration of satellite data.

- **A summary of progress towards objectives and details for each task in the first 12 months:**

1.1. Current state of past case studies integration is as follows:

- A. PREESE HALL: shale gas – integrated and available via CIBIS,
- B. GRONINGEN FIELD: conventional hydrocarbon production – only seismic data integrated and available via CIBIS and KNMI data portal,
- C. GROSS SCHOENEBECK: geothermal energy production experiment - integrated and available via CIBIS,
- D. BECKINGHAM SITE: conventional hydrocarbon production – no data integrated or available,
- E. LUBOCINO: shale gas - integrated and available via CIBIS,
- F. THE GEYSERS: geothermal energy production - no data integrated or available,
- G. GEISER project dataset - no data integrated or available,
- H. WYOMING dataset - no data integrated or available.

1.2. Done. Currently collected data available via CIBIS and SHEERWER.

1.3. CIBIS, SHEERWER and Arlink accounts has been created and send to all interested SHEER consortium members.

1.4. Done.

1.5. Not done.

- **Highlight clearly significant results:**

1. Preparation of Data Management Plan.

- **If applicable, explain the reasons for major deviations from Annex I and their impact on other tasks:**

1. According to discussions carried out during EPOS IP meeting in Prague, dataset from BECKINGHAM SITE will be exchanged with other relevant dataset due to its poor quality. No further information concerning this topic has been received yet.

2. No seismic data will be shared with SHEER consortium by PGNiG.

- **If applicable, explain the reasons for failing to achieve critical objectives and/or not being on schedule and explain the impact on other tasks as well as on available resources and planning:**

1.1. Reasons for data integration delays are as follows:

- B. GRONINGEN FIELD: conventional hydrocarbon production – seismic data shared on 28<sup>th</sup> April 2016, no information concerning data has been given by data provider before this date despite multiple requests – too little time for integration, no industrial data provided,
- D. BECKINGHAM SITE: conventional hydrocarbon production – no data provided, this case study will be exchanged with other relevant one due to analogue seismic registrations of very poor quality from the original case study,
- F. THE GEYSERS: geothermal energy production – data shared on 27<sup>th</sup> April 2016, data provider requested for the acceptance of data delivery delay due to problems with formal aspects of data sharing – too little time for integration,
- G. GEISER project dataset – no data provided,
- H. WYOMING dataset - no data provided by KeU, no proposition of data replacement has been given by data provider.

1.5. No processed satellite data has been provided yet. It has been decided that firstly satellite data from Pomerania region will be processed at the beginning of 2016, later data concerning Groningen Field.

- **If applicable, propose corrective actions:**

1.1. Further efforts to obtain the data will be carried on.

1.5. Further efforts to obtain the data will be carried on.

- **Publications and papers in print:**

1. ESC 2016 conference abstract submitted: Staszek M., Orlecka-Sikora B., Kwiatek G., Static stress drop of induced earthquakes in seismic hazard assessment: Preliminary results from The Geysers geothermal site

2. ESC 2016 conference abstract submitted: Leptokaropoulos K., Staszek M., Lasocki S., Kwiatek G., Preliminary results for Space-Time Clustering of Seismicity and its Connection to Stimulation Processes, in North-Western Geysers Geothermal Field

## Deliverables due at the date

Please complete this table if deliverables are due for the reporting period

<b>Table 1. Deliverables due at the date</b>											
<b>Del. no.</b>	<b>Deliverable name</b>	<b>Version</b>	<b>WP no.</b>	<b>Lead beneficiary</b>	<b>Nature</b>	<b>Dissemination level<sup>1</sup></b>	<b>Delivery date from Annex I (proj month)</b>	<b>Actual / Forecast delivery date Dd/mm/yy yy</b>	<b>Status No submitted/ Submitted</b>	<b>Contractual Yes/No</b>	<b>Comments</b>
D.2.3	The data management plan		WP2	AMRA	Report	PU	12	29/04/2016	submitted		

<sup>1</sup>PU

Public

PP

Restricted to other programme participants (including the Commission Services)

RE

Restricted to a group specified by the consortium (including the Commission Services)

CO

Confidential, only for members of the consortium (including the Commission Services)

