



SHEER WP2 Report, 31.10.2016
(WP Leader B. Orlecka-Sikora IGF PAS,
representative AMRA, KeU, GFZ, KNMI, RSK, UW)

List of the staff actively involved in the WP2:

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Objectives expected after 18 Months:

Task 2.1. Compilation of the SHEER Database

2.1.1. 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. OKLAHOMA: shale gas and wastewater injection,
- E. LUBOCINO: shale gas,
- F. THE GEYSERS: geothermal energy production,
- G. COOPER BASIN: geothermal energy production,
- H. WYOMING dataset.

2.1.2. Integration of satellite data.

2.1.3. Data stored in one place and easily available for SHEER consortium members.

Task 2.2. Harmonizing SHEER Database components

2.2.1. Start of data formats homogenization, metadata preparation and data integration on TCS AH platform.

Task 2.3. Integration of data from on-site monitoring with SHEER database

2.3.1. Up-to-date data from WYSIN site available in SHEER database.

A summary of progress towards objectives and details for each task in the first 18 months:

Task 2.1. Compilation of the SHEER Database

2.1.1. Partially done. Current state of past case studies integration is as follows:

- A. PREESE HALL: shale gas – integrated and available via SHEERWER,

- B. GRONINGEN FIELD: conventional hydrocarbon production – integrated and available via SHEERWER and KNMI data portal,
- C. GROSS SCHOENEBECK: geothermal energy production experiment - integrated and available via SHEERWER,
- D. OKLAHOMA: shale gas and wastewater injection – data partially integrated but not available yet,
- E. LUBOCINO: shale gas - integrated and available via SHEERWER,
- F. THE GEYSERS: geothermal energy production - integrated and available via SHEERWER,
- G. COOPER BASIN: geothermal energy production - integrated and available via SHEERWER,
- H. WYOMING dataset - no data integrated or available.

2.1.2. Done. Currently available satellite data comes from Groningen, Lubocino and Wysin sites.

2.1.3. Done. All data collected by now has been moved to SHEERWER in order to make its availability easier. The link to SHEER database is available via project website. Project members can access data using institutional login and password provided by IG PAS.

Task 2.2. Harmonizing SHEER Database components

2.2.1. Done. Data from WYSIN, LUBOCINO, PREESE HALL and GROSS SCHOENEBECK episodes is already homogenized and integrated on TCS AH platform. Integration of data from GRONINGEN and THE GEYSERS episodes is in progress.

Task 2.3. Integration of data from on-site monitoring with SHEER database

2.3.1. Done. Up-to-date data is available both via SHEERWER and TCS-AH platform.

Highlight clearly significant results:

Task 2.1. Compilation of the SHEER Database

1. Entire SHEER database available for project members at one place: SHEERWER.
2. The Geysers, Cooper Basin and Groningen past case studies integrated in SHEER database.

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

Task 2.1. Compilation of the SHEER Database

2.1.1. According to discussions carried out during SHEER 1st annual meeting in Naples, dataset from BECKINGHAM SITE has been exchanged with OKLAHOMA dataset due to its poor quality.

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:

Task 2.1. Compilation of the SHEER Database

2.1.1. Reasons for data integration delays are as follows:

- D. OKLAHOMA – data is prepared for integration but has not been fully delivered yet, legal issues concerning data redistribution are being solved,
- H. WYOMING dataset - no data provided.

If applicable, propose corrective actions:

Task 2.1. Compilation of the SHEER Database

2.1.1. Further efforts to obtain Wyoming data will be carried on. According to data provider Oklahoma episode should be fully delivered in the nearest future.

Task 2.3. Integration of data from on-site monitoring with SHEER database

2.3.1. Data homogenization and integration processes will be systematically carried on.

Publications and papers in print:

See list of publications in WP4 report. All of them used data gathered within the project.

Deliverables due at the date

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

Table 1. Deliverables due at the date											
Del. no.	Deliverable name	Version	WP no.	Lead beneficiary	Nature	Dissemination level¹	Delivery date from Annex I (proj month)	Actual / Forecast delivery date Dd/mm/yy yy	Status No submitted/ Submitted	Contractual Yes/No	Comments

¹PU
PP
RE
CO

Public
Restricted to other programme participants (including the Commission Services)
Restricted to a group specified by the consortium (including the Commission Services)
Confidential, only for members of the consortium (including the Commission Services)

