



**SHEER WP5 Report, 23.11.2015
for the Progress / PTM Meeting in ...
(WP Leader, APGunning)**

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 WP5

Andrew Gunning RSKW
Dr Catherine Isherwood RSKW
David Hall RSKW
Prof Paul Younger GLA
Dr Neil Burnside GLA
Dr Nelly Montcoudiol GLA

- Objectives expected after six months:

WP5.1 Generic Settings
WP 5.2 Assistance with groundwater monitoring at Wysin, Poland

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

WP5.1 is 50% complete.

WP5.2 initial work for this work package has been completed following the installation of four groundwater monitoring wells as part of WP3.3 Dr Catherine Isherwood and Dr Nelly Moutcoudiol assisted in the installation and have completed walkover surveys at the site as part of constructing the detailed hydrogeological and have commenced a geological interpretation of the geological stratigraphy at the site. This results of the drilling indicate this is more complicated than originally envisaged from desk studies.

- Highlight clearly significant results:

WP5.1 All shale basins have been identified and a plan is in place to complete by January 2016. Sub-tasks consist of the following:

Sub-WP	Task	Progress (%)
5.1.1	Identify all shale basins in EU	100

Sub-WP	Task	Progress (%)
5.1.2	Carry out an assessment of shale oil and gas basins, highlighting those where there is a need for hydrogeological risk assessment	50
5.1.3	Hydrogeological risk assessment on those basins with development potential in the next 10 years	50

WP5.2 The initial steps to build a detailed hydrogeological model of the Wysin site in northern Poland are underway. Four monitoring boreholes have been successfully installed as part of WP3.3. The first round of monitoring and water sampling is scheduled for early December. This will include installation of diver loggers in the boreholes to provide continuous measurement of water level, electrical conductivity and temperature between site visits. The first set of water samples for lab analysis will be collected in December 2015 which will assist in the characterisation of the site. Walkover surveys have been completed .

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

WP 5.1 progress has been delayed by work on WP3.3 as a result of a number of iterations being required in the geological and hydrogeological assessment of the site to re-locate boreholes, caused by difficulties with gaining access to land.

- 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:
- If applicable, propose corrective actions.
- Publications and papers in print

Draft paper in preparation - *The SHEER Project: The Assessment and Mitigation of Potential Environmental Impacts and Risks Associated with Shale Gas Exploration and Production*. Authors: Andrew Gunning & Catherine Isherwood (RSKW), prepared for presentation at the SPE International Conference and Exhibition on Health, Safety, Security, Environment and Social Responsibility to be held in Stavanger, Norway, 11–13 April 2016.

This section should not exceed two pages.

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 level ¹	Delivery date from Annex I (proj month)	Actual / Forecast delivery date Dd/mm/yyyy	Status No submitted/ Submitted	Contractual Yes/No	Comments
D5.3	High level shale analogues	1	5	RSKW	High level conceptual models for each shale basin	public	Nov-15	31-01-16	No		Will be completed in jan-16

¹PU 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)

