

### SHale gas Exploration and Exploitation induced Risks



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## WP2 SHEER Database

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## **First Annual Meeting**

Napoli - June 7-9, 2016

Hotel Palazzo Esedra, Piazzale Tecchio, 50 – 80125



## WP2 SHEER Database

Report on data and metadata D1 **Data Management Plan** 

**D2** 

SHEER Database designed M1 Database linked with project website M2 Data providers logged into database M3

**M4** 

**Data inventory completed** 

**M5 Datasets complited** 

M6 **Data formats defined** 

**M7** Metadata completed

Multidisciplinary data in database

## Designing

## **Preparing**

## **Implementing**

Technical Environment

Data Handling

Data Management 2015

2016

2017

Field tests for data transmission done Field data visualizing service ready M10 Field data in database M11

**Data Management Plan ready Data Access Policy ready** At least 3 KPI defined





## Parameterization of SHEER impact factor

Number of episodes/reports/ services/data cects provided

Societal

value

Number of SHEER results presenatations for public users

Number of downloads of SHEER documents Number of SHEER ers in social media

> Number of newsletter 65 iddresses

> > Number of the education & training

services/actions

Number of uses/downloads of SHEER data & results

Scientific value

**KPI's** 

(uses - e.g. store in the workspace, visualizations)

Number of scientific papers Number of active users at the

platform

value

Number of **Economic** industrial data providers

> Total volume of data in workspace

Capacity building

Number of SHEER presentations

Number and variety of the experts engaged in **SHEER** 







# Summary of SHEER database potential to achieve the SHEER objectives

From the perspective of compliance with WP2 plan



## Current stage of data integration

Episode	Seismic	Water quality	Air quality	Satellite	Industrial	Geodata
LUBOCINO		X		X	X	
PREESE HALL	X				X	X
BECKINGHAM						
GRONINGEN	X			X	X	X
GROSS SCHOENEBECK	X				X	X
THE GEYSERS	X				X	X
WYSIN	X	X	X	X	X	X
WYOMING						
COOPER BASIN	X				X	

X – data integrated, X – data uploaded but reformatting needed,
X – data not complete, X – data planned to be integrated





# Summary of SHEER database potential to achieve the SHEER objectives

#### Compliance with WP2 plan

lov

low: 0% – 44%



medium: 45% – 75%



high: 76% – 100%

Number of episodes: 6/8



Number of completed episodes:



Number of episodes in the advanced implenentation stage: 5/8



Number of episodes with specific data

typeseismic: 5/7



water: 2/2



satelite: 2/3

industrial: 5/7

geo-data: 3/5





# Summary of SHEER database potential to achieve the SHEER objectives

#### WP4 & WP7 plan

#### Number of seismic events:

GROSS SCHONENBECK: 29 events, M<sub>1</sub>: -1.8; -1.0

PREESE HALL: 50 events, M<sub>L</sub>: -1.9; 2.3

GRONINGEN: 1201 events, M<sub>1</sub>: -0.8; 3.6

THE GEYSERS: catalogue without signals: 205638 events, M<sub>I</sub>: -0.6;

5.7

catalogue with signals: 15476 events, M<sub>L</sub>: -0.3; 4.5

