



Welcome to the 1st Workshop on:  
“Stimulation of reservoir and induced  
microseismicity”



5



## The ENGINE project: a priority thematic area for "Sustainable energy systems"

- > a need for co-ordinating ongoing research and promoting the development and uptake of innovative methods and technologies to expand the exploitation of **Unconventional Geothermal Resources**, in particular **Enhanced Geothermal Systems**.
- > A major scope is the identification of gaps that hamper the development of geothermal energy and definition of research targets for the future

## Among other challenges:

- > Scientific: Understanding processes involved in the stimulation of reservoir and induced microseismicity
- > Technological and economic challenges: to improve and render cost-efficient investigation and development technology

## Facing challenges means...

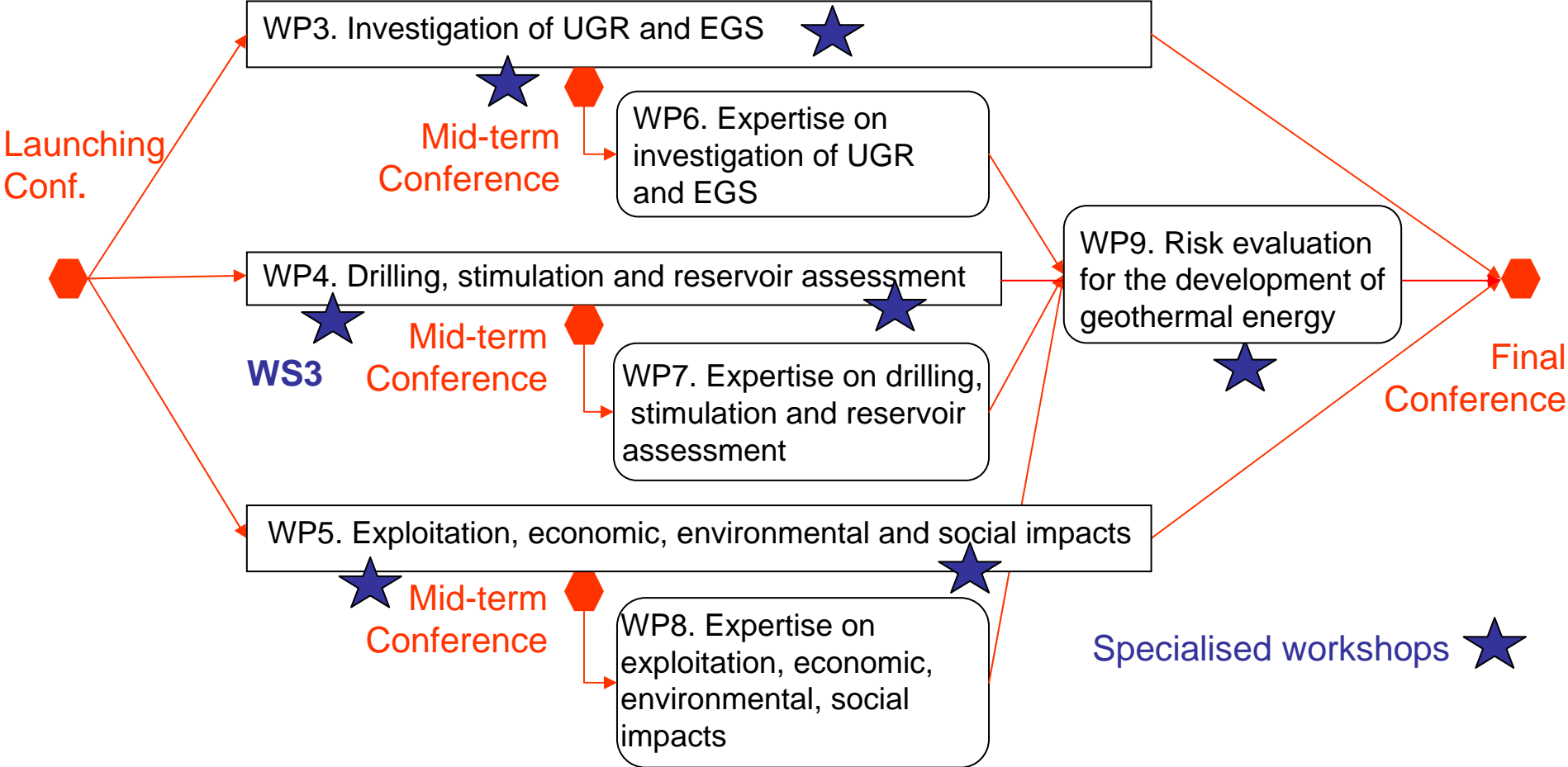
- > Capitalisation of knowledge and state of art
- > Identification of gaps and barriers
- > Defining new research projects to overcome these gaps and barriers
- > .....

## through the ENGINE co-ordination action...

- > A bottom-up phase: workshops and conferences as key elements to present an updated framework of activities
- > A web site to have access to the collected information
- > An expertise phase to prepare a Best Practice Handbook

WP1  
Project Management

WP2  
Information and dissemination system



## 7 specialised workshops

2006

- > WP3: Defining, exploring, imaging and assessing reservoirs for potential heat exchange (Germany)

- > WP3: Exploring Supercritical fluid reservoir: a new challenge for geothermal energy (Italy)

- > WP4: Stimulation of reservoir and induced microseismicity (Switzerland)

- > WP4: Drilling cost effectiveness and feasibility of high-temperature drilling (Iceland)

- > WP5: Electricity generation, combined heat and power (France)

- > WP5: Increasing policy makers awareness and the public acceptance (Greece)

- > WP9: Risk analysis for development of geothermal energy (Netherlands)

2007



# Conditions for a successful co-ordination action

## > An efficient network

- The conferences and workshops are designed mainly for sharing experience, disseminating best practices and integrating information from different sources
- The workshops must provide opportunities for discussing new ideas and concepts in order to promote new projects for the next future

## > The production of the deliverables

- Publications (proceedings of workshops and conferences, review articles, analysis, reports..)
- A Web-site providing access to collected information  
<http://engine.brgm.fr>

## > A good co-ordination with the 6th FP Soutz, I-GET, Low Bin projects