

# Update from SP3 “Constructing Geothermal Wells”

*EERA-JPGE meeting*

*Mon, 19 Oct. 2017*

Erlend Randeberg, IRIS



# Topics and ongoing activities/projects



## › Work Package 1: New drilling methods

- Hybrid thermal drilling
  - LASER supported drilling (GZB Bochum)
  - “Flame-jet drilling” (ETH Zürich)
  - EI drilling (TU Dresden)
- Fluid-assisted drilling
  - ThermoDrill (H2020) (Uni. Leoben)
- Mechanical hard rock drilling
  - INNO-Drill (SINTEF)

## › Work Package 2: Well construction and completion

- High-temperature challenges etc.
- Drilling, materials, fluids, well barriers...
- Projects
  - DESCRAMBLE (H2020) (Enel Green Power)
  - GeoWell (H2020) (ÍSOR)
  - DEEPEGS (H2020) (HS Orka)
  - HYDRA (Eindhoven Tech. Uni.)

## Joint publications and milestones in SP3



- › WP1 New drilling methods
    - Within the ongoing projects
    - Detailing TBD
  
  - › Input from SP3 participants is requested
- › WP2 Well construction and completion
    - Within the ongoing projects
    - Detailing of publications: TBD
    - Milestones: IDDP2 well + instrumentation
    - Further milestones TBD
  
  - › Input from SP3 participants is requested