Deliverable D5.2

DSS reference architecture

WP5

Grant Agreement number	657982
Project acronym	Cheap-GSHPs
Project full title	**Ch**eap and **E**fficient **Ap**plication of reliable **G**round **S**ource **H**eat Exchangers and **P**ump**s**
Due date of deliverable	31/08/2016 (M15)
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Dissemination Level

PU	Public	
CO	Confidential, only for members of the consortium (including the Commission Services)	X
CI	Classified, as referred to in Commission Decision 2001/844/EC	

Publishable summary

The D5.2 – "DSS reference architecture" is a confidential document delivered in the context of WP5, Task 5.2: DSS reference architecture. The deliverable regards the design and definition of the architecture of the rule based Decision Support System (DSS) for the assessment and selection of the safest and cost-optimal technologies for geothermal installations. The objective is to define the system that will allow meeting the specifications and requirements defined in Task 5.1: DSS Specification and requirements. This document presents the definition of the hardware and software components that form the DSS, as well as the interaction between them, and that will be implemented in Tasks 5.3: Cheap-GSHPs DSS Development and 5.4: Development of the Cheap-GSHPs web platform.

The document defines the overall system architecture, including the hardware components that will form the web-based system. It also defines the software modules that will form the system: the user interfaces (view), the user access control, the core of the DSS Engine that performs the calculations, and the access to the databases. These modules are explained in detail, including a description of each module, workflows representing the processing to be done, and the choice of technology for the developments. Last, the different databases and data models that will be necessary to implement are also determined.