

# Deliverable D4.3

## GEO4CIVHIC DSS for geothermal retrofit Reference Architecture

### WP4

<b>Grant Agreement number</b>	792355
<b>Project acronym</b>	GEO4CIVHIC
<b>Project full title</b>	Most Easy, Efficient and Low Cost <b>Geothermal Systems for</b> Retrofitting <b>Civil and Historical Buildings</b>
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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 D4.3 "GEO4CIVHIC DSS for geothermal retrofit Reference Architecture" is a confidential document delivered in the context of WP4, Task 4.3: "DSS implementation for civil and historical buildings geothermal retrofit" with regard to the design and definition of the architecture of the Decision Support System that will assist the users in the quick selection and pre-engineering of the most suitable geothermal technologies for their installations.*

*The objective of the document is to define the system that will allow meeting the specifications and requirements defined previously in document D4.2 "GEO4CIVHIC DSS for geothermal retrofit 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, which will be implemented in this same Task.*

*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 access control and interface, the core of the DSS Engine that performs the calculations, and finally the structure and tools to access the databases. These modules are explained in detail, including a description of each module and work-flows representing the processing to be done.*