

Interactive comment on “A geological model for the management of subsurface data in the urban environment of Barcelona city” by Enric Vázquez-Suñé et al.

Enric Vázquez-Suñé et al.

enric.vazquez@idaea.csic.es

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RESPONSE TO REFEREE #1 COMMENTS

We respond below to the comments made by the Referee. To facilitate reading we have pasted the original comments (“REFEREE #1”) and our “RESPONSE”.

REFEREE #1: The work presented is completely relevant for the management of water resources, and of high interest for the scientific community. The manuscript is synthetic and well written, with a complete list of references.

RESPONSE: We would like to begin by thanking the referee for his/her efforts, and we are very pleased for the overall positive assessment.

REFEREE #1: recommend to consider the following general observations to improve the manuscript, as well as the specific comments and technical corrections, specified all with comment notes in the attached pdf file:

RESPONSE: We have addressed most of the specific comments and technical corrections in the manuscript following referee's suggestions.

REFEREE #1: a) To complete Chapter 3 by explaining the general workflow presented in Figure 2 and how the model was built.

RESPONSE: We have rewritten some parts of this chapter in order to better explain the general work flow and to present a more detailed methodology for the model construction.

REFEREE #1: b) To include a geological map of the study area at a more regional scale, including geological elements commented in the text.

RESPONSE: We include a new general geological map of the study area.

REFEREE #1: c) Improve the figures (including scales, enlarging some of them, reviewing the legends, etc.).

RESPONSE: We have improved the majority of the figures following referee's suggestions.

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Discussion paper

