

ECTQG 2019

New methods and Tools in the Exploration of Geosimulation Models

Special session proposal

Organizers

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Scope

The study of geosimulation models has always been associated to advanced sensitivity analysis, calibration and model exploration methods. The complexity of space makes these tools even more crucial than for classical simulation models, and furthermore requires specific methods to be designed. For example, the OpenMOLE software is a platform developed for such issues, allowing to (i) embed any model as a black box in experiment workflows; (ii) use state-of-the-art calibration algorithms and sensitivity analysis methods; (iii) transparently access high performance computing environments. New components are specifically being developed for spatial models. The aim of this session is to explore new trends in such methods and tools. Contributions can be related to the following questions: (i) methodological contributions including new methods and tools related to the study of geosimulation models (ii) issues specific to geosimulation models in developing model exploration methods; (iii) case studies of geosimulation models in which intensive computation and model exploration methods plays a crucial role. The convergence of diverse point of view, including for example methodological and thematic contributions, shall be an avenue to open new contributions and foster new perspectives in that field.

Special issue

The contributions will be invited to be submitted to a special issue in .

