Minisymposia: Coupled Groundwater–Surface Water Modelling
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ABSTRACT

Groundwater is the world's most extracted raw material with withdrawal rates currently in the estimated range of 982 km3/year[1]. The interaction of groundwater and surface water is one of the major concerns in water resources management today, as nearly all surface water bodies interact with groundwater. The aim of this minisymposia is to cover state of the art mathematical and computational frameworks and applications for coupling groundwater and surface water models. We hope to create a collaborative space for the world's leading scientists and research groups to share their experiences in both the fundamental and applied aspects of groundwater/surface water coupling methods. The topics covered in this minisymposia will help collaborators gain both an awareness of modern model coupling software options and information on their mathematical frameworks. Topics of this minisymposia include but are not limited to novel mathematical/computational frameworks for GW/SW coupling, large scale and/or novel applications of coupled GW/SW problems and high-performance computing implementation/application of GW/SW coupled models.

REFERENCES

[1] Margat, J., and J. van der Gun. 2013. *Groundwater around the World*. CRC Press/Balkema.