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Titolo	OpenGeoSys Tutorial : Computational Hydrology II: Groundwater Quality Modeling / / by Agnes Sachse, Erik Nixdorf, Eunseon Jang, Karsten Rink, Thomas Fischer, Beidou Xi, Christof Beyer, Sebastian Bauer, Marc Walther, Yuanyuan Sun, Yonghui Song
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Nota di contenuto	1 Introduction -- 2 Modelling strategy -- 3 Stationary Groundwater model -- 4 Reactive nitrate transport model -- 5 Reactive point pollutants model within a transient flow field.
Sommario/riassunto	This book explores the application of the open-source software OpenGeoSys (OGS) for hydrological numerical simulations concerning conservative and reactive transport modeling. It provides general information on the hydrological and groundwater flow modeling of a real case study and step-by-step model set-up with OGS, while also highlighting related components such as the OGS Data Explorer. The material is based on unpublished manuals and the results of a collaborative project between China and Germany (SUSTAIN H2O). Though the book is primarily intended for graduate students and

applied scientists who deal with hydrological modeling, it also offers a valuable source of information for professional geoscientists wishing to expand their knowledge of the numerical modeling of hydrological processes including nitrate reactive transport modeling. This book is the second in a series that showcases further applications of computational modeling in hydrological science.