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Nota di contenuto	1. A 14-year Multi-sites and High-frequency Monitoring of Salinity in the Tidal Garonne River (S-W France) Reveals Marked Inter-annual Variability In Marine Intrusion -- 2. Study on Salinity Intrusion and Mixing Types in a Conceptual Estuary using 3-D Hydrodynamic Simulation: Effects of Length, Width, Depth, and Bathymetry -- 3. Response of Salinity Intrusion to the Fictitious Blockade of the North Branch in the Yangtze Estuary, China -- 4. Influence of the Salinity Intrusion on Island Water Source Safety: A Case Study of the Chongming Island, China -- 5. Law of salt tide intrusion of the

	Qiantang Estuary and its numerical simulation -- 6. Seasonal salinity variations in a coastal wetland induced by complex interactions between sea, river and evapoconcentration processes -- 7. Water Quality Mitigation Scenarios for Burullus Coastal Lake, Egypt -- 8. Research on the Setting Condition of Tailrace Surge Chambers for Seawater Pumped-storage Power Stations with Long Tailrace Tunnels.
Sommario/riassunto	This book is a collection of extended papers based on presentations given during the ICEC 2018 conference, held in Caen, France, in August 2018. It explores both the limitations and advantages of current models, and highlights the latest developments concerning new numerical schemes, high-performance computing, multi-physics and multi-scale methods, and better interaction with field or scale model data. Accordingly, it addresses the interests of practitioners, stakeholders, researchers, and engineers active in this field. .