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Soggetti	Physical geography Hydrology Hydrogeology Historical geology Natural disasters Historical geography Physical Geography Hydrology/Water Resources Historical Geology Natural Hazards Historical Geography
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Part A: Studies with temporal focus -- Ch.1 Global megaflood paleohydrology -- Ch.2 Flooding northern Germany: impacts and magnitudes of Middle Pleistocene glacial lake-outburst floods -- Ch.3 Outburst flood from Möhne Reservoir in May 1943 after aerial bombing -- Part B: Studies with regional focus -- Ch.4 Droughts in historical times in Europe, as derived from documentary evidence -- Ch.5 Geomorphological and geoarchaeological evidence of the Medieval deluge in the Tagliamento River (NE Italy) -- Ch.6 Inverted channels in the eastern Sahara – distribution, formation, and interpretation to enable reconstruction of paleodrainage networks -- Ch.7 Noah's Flood

– probing an ancient narrative using geoscience -- Part C: Studies with methodical and technical topics -- Ch.8 Luminescence dating in fluvial settings: overcoming the challenge of partial bleaching -- Ch.9 Large palaeomeanders in Europe: distribution, formation process, age, environments and significance -- Ch.10 Palaeostage indicators in rivers - an illustrated review -- Ch.11 High-resolution sedimentary paleoflood records in alluvial river environments - a review of recent methodological advances and application to flood hazard assessment.

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Sommario/riassunto

The book provides a review of the most relevant topics on the booming discipline of palaeohydrology and focuses on previous extreme events like exceptional floods and droughts. Reviews written by leading experts of their fields are combined with selected key studies and presentations on up-to-day methodical and conceptual topics as a perspective for further research. Consequently, the compilation provides an excellent review on the state of the art of numerous relevant topics of palaeohydrology and acts as unique introduction for early career scientists and scientists of different disciplines working on hydrological extreme events, both in basic research and applied aspects. .

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