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Nota di contenuto

A historic experience for a strengthened resilience : European societies in front of hydro-meteors 16th-20th centuries / Emmanuel Garnier -- Current understanding of climate change impacts on extreme events / Richard Harding, Nick Reynart and Alison Kay -- Common features to different hydrometeorological events and knowledge integration / Arbara Zanuttigh -- Science-policy interfacing / Philippe Quevauviller -- When science meets policy : enhancing governance and management of disaster risks / Demetrio Innocenti -- Hydrometeorological extremes and science-policy interface : IPCC / Zbysezk Kundewicz -- A snapshot of EU and international policies relevant to hydrometeorological events / Philippe Quevauviller -- Hydroinformatics and its role in flood management / Philippe Gourbesville -- Droughts : how to be prepared for the hazard / enny van Lanen -- Drought in the light of climate change in the Mediterranean region / Ana Iglesias and Luis Garrote -- Prediction of storm impacts on beach and dune systems / Paolo Ciavola, Oscar Ferreira, Ap Van Dongeren, Jaap Van Thiel de Vries, Clara Armaroli and Mitchell Harley -- Assessing the costs of natural hazards : state of the art and the way forward / Volker Meyer et al -- Resilience and adaptation to hydrometeorological hazards / Maureen Fordham, Hugh Deeming and Asa Gerger Swartling -- Conclusions and outlook / Philippe Quevauviller.

Sommario/riassunto

Recent hydrometeorological extreme events have highlighted the increased exposure and vulnerability of societies and the need to strengthen the knowledge-base of related policies. Current research is focused on improving forecasting, prediction and early warning capabilities in order to improve the assessment of vulnerability and risks linked to extreme climatic events. Hydrometeorological Hazards: Interfacing science and policy is the first volume of a series which will gather scientific and policy-related knowledge related to climate-related extreme events. Invited authors are internationa
