Record Nr.	UNINA9910299378603321
Titolo	Managing Flood Risk: Innovative Approaches from Big Floodplain Rivers and Urban Streams / / edited by Anna Serra-Llobet, G. Mathias Kondolf, Kathleen Schaefer, Scott Nicholson
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Palgrave Macmillan, , 2018
ISBN	3-319-71673-5
Edizione	[1st ed. 2018.]
Descrizione fisica	1 online resource (181 pages)
Disciplina	363.3493
Soggetti	Environmental geography Environmental sociology Environmental management Geomorphology Hydrology Environmental Geography Environmental Sociology Environmental Management Water Policy/Water Governance/Water Management Hydrology/Water Resources
Lingua di pubblicazio	one Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	1. Introduction Part I Big River Basins 2. Managing Floods in Large River Basins in the US: The Mississippi River 3. Managing Floods in Large River Basins in the US: The Sacramento River 4. Managing Floods in Large River Basins in Europe: The Rhine River Part II Urban Streams 5. Managing Floods in Mediterranean-Climate Urban Catchments: Experiences in the San Francisco Bay Area (California, US) and the Tagus Estuary (Portugal) 6. Managing Floods in Urban Catchments: Experiences in Denver Area (Colorado, US) and Geneva (Switzerland) 7. Conclusion
Sommario/riassunto	The past half century has seen an evolution in thinking from 'flood control' to 'flood risk management', recognizing that risk results from

both hazard and vulnerability. Rather than rely only on engineering structures to reduce flood magnitude or extent, recent policies emphasize avoiding construction in flood-prone areas (or moving people from floodplains), reducing impacts on exposed populations through early warning systems, and insurance to aid in recovery. Implementing this new approach faces many challenges but also offers opportunities for synergies, as described in this book for a range of large floodplain rivers and smaller urban streams across North America and Europe. This book is unique in presenting the voices of those on the front lines of implementing a new paradigm in flood risk management, each river with a unique set of challenges and opportunities derived from its specific geography as well as differences in governance between the American and European contexts.