

1. Record Nr.	UNINA9910299560203321
Autore	Shrestha Sangam
Titolo	Climate Change Impacts and Adaptation in Water Resources and Water Use Sectors : Case studies from Southeast Asia // by Sangam Shrestha
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2014
ISBN	3-319-09746-6
Edizione	[1st ed. 2014.]
Descrizione fisica	1 online resource (129 p.)
Collana	Springer Water, , 2364-6934
Disciplina	550
Soggetti	Climate change Hydrology Water-supply Physical geography Climate Change Hydrology/Water Resources Climate Change/Climate Change Impacts Water Industry/Water Technologies Earth System Sciences
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Introduction -- Assessment of water availability under climate change scenarios in Thailand -- Climate change impact on reservoir inflows of Ubolratana Dam in Thailand -- Assessment of climate change impacts on flood hazard potential in the Yang River Basin, Thailand -- Assessment of climate change impacts on irrigation water requirement and rice yield for Ngamoeyeik Irrigation Project in Myanmar -- Adaptation strategies for rice cultivation under climate change in central Vietnam.
Sommario/riassunto	Climate change on earth is having significant impacts on water resources management in Southeast Asia. Knowledge of climate variations and climate change can be valuable for water resources management in agriculture, urban and industrial water supplies, hydroelectric power generation, and ecosystem maintenance. This book presents the findings of case studies on forecasting climate change and

its impacts on water availability, irrigation water requirements, floods and droughts, reservoir inflows and hydropower generation, and crop yield in specific basins of Southeast Asian countries such as Thailand, Myanmar, and Vietnam. All case studies start by forecasting the climate change and investigating its impacts by employing several hydrological reservoir simulations and crop water requirement models. The findings provide sound and scientific advice for water managers on the real impacts of climate change and how to adapt to its many challenges.

---