



Climate change modeling for local adaptation in the Hindu Kush-Himalayan region [

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Emerald,

2012

Monografía

This book presents a portrait of the social advantages and limitations of climate change related modeling in the Hindu Kush-Himalayan (HKH) region. Physical systems modeling - such as of climate, weather, water, and soil - can be useful planning tools, and are essential to the forecasts and projections used operationally for decisions on climate and development. However, these models and their limitations are rarely discussed in terms of how they are interpreted, misinterpreted, used, not used, needed and not needed by society at the local level for climate change adaptation. This publication addresses the implied but largely uncritiqued relationships between scientific modeling knowledge and local adaptation responses. It also presents theoretical perspectives on modeling and adaptation, supported by case studies of model use, non-use, interpretation and misinterpretation in the HKH region for application at the local level. It provides a critical angle into the value of modeling at multiple decision making scales in society, but focused on local needs. Case studies are presented from a variety of HKH countries, as defined by ICIMOD (which includes Bangladesh and Myanmar)

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Título: Climate change modeling for local adaptation in the Hindu Kush-Himalayan region [Recurso electrónico] edited by Armando Lamadrid, Ilan Kelman

Editorial: Bingley, U.K. Emerald 2012

Descripción física: 1 online resource (xviii, 237 p.) ill

Mención de serie: Community, environment and disaster risk management 2040-7262 v. 11

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ISBN: 9781780524870 electronic bk.) 67.95 ; 97.95 ; 124.95

Materia: Nature- Environmental Conservation & Protection. bisacsh Nature / Ecosystems & Habitats / Mountains. bisacsh Management of land & natural resources. bicssc Global warming. bicssc Climatic changes- Hindu Kush-Himalayan Region

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Entidades: Emerald E-Books (Servicio en línea)

Enlace a formato físico adicional: 9781780524863

Punto acceso adicional serie-Título: Community, environment and disaster risk management v. 11

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