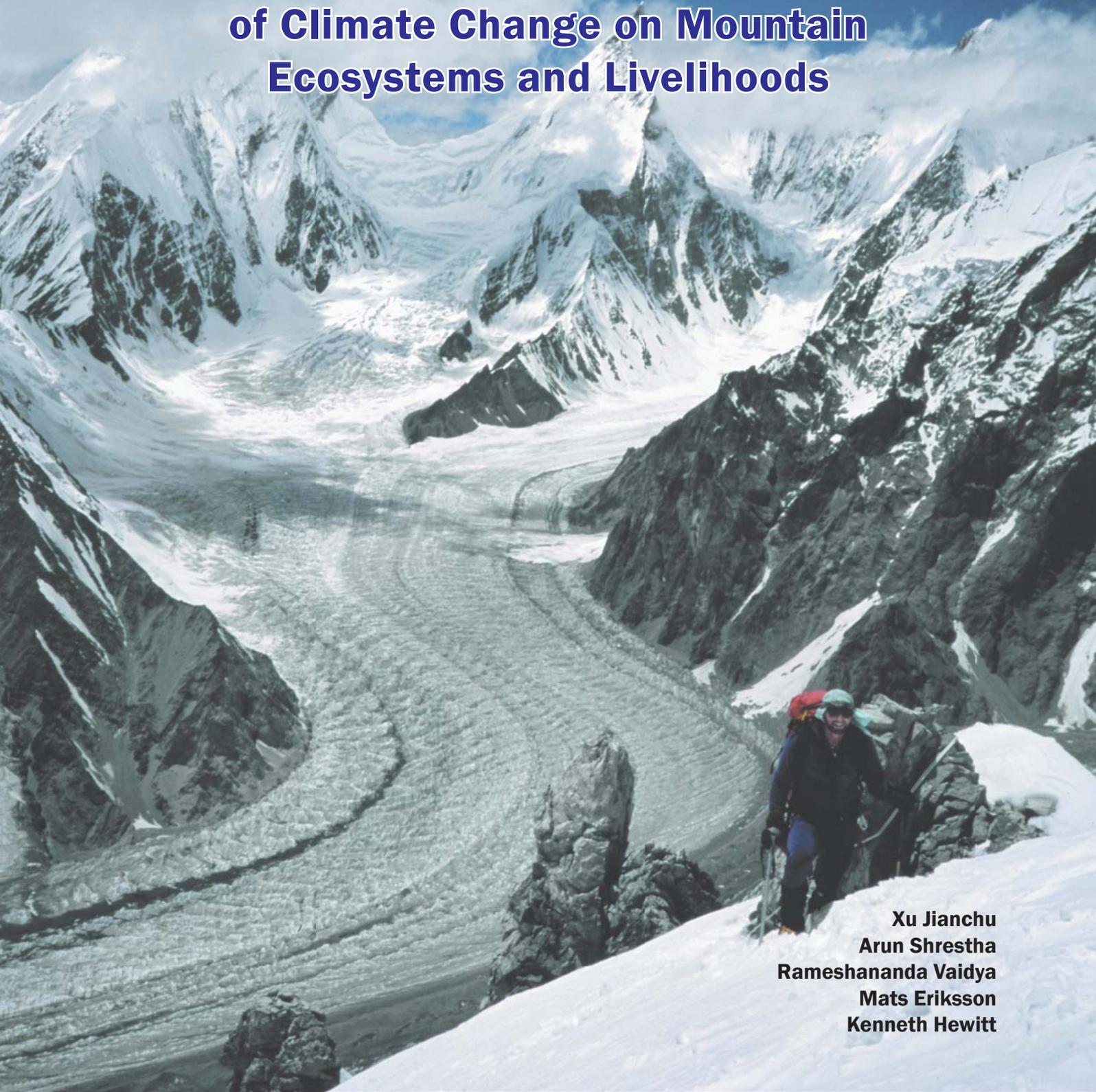


The Melting Himalayas

**Regional Challenges and Local Impacts
of Climate Change on Mountain
Ecosystems and Livelihoods**



**Xu Jianchu
Arun Shrestha
Rameshananda Vaidya
Mats Eriksson
Kenneth Hewitt**

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International Centre for Integrated Mountain Development

The International Centre for Integrated Mountain Development (ICIMOD) is an independent 'Mountain Learning and Knowledge Centre' serving the eight countries of the Hindu Kush-Himalayas – Afghanistan 🇦🇫, Bangladesh 🇬🇧, Bhutan 🇧🇹, China 🇨🇳, India 🇮🇳, Myanmar 🇲🇲, Nepal 🇳🇵, and Pakistan 🇵🇰 – and the global mountain community. Founded in 1983, ICIMOD is based in Kathmandu, Nepal, and brings together a partnership of regional member countries, partner institutions, and donors with a commitment for development action to secure a better future for the people and environment of the extended Himalayan region. ICIMOD's activities are supported by its core programme donors: the governments of Austria, Denmark, Germany, Netherlands, Norway, Switzerland, and its regional member countries, along with over thirty project co-financing donors. The primary objective of the Centre is to promote the development of an economically and environmentally sound mountain ecosystem and to improve the living standards of mountain populations.

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Abbreviations and Acronyms

CDM	clean development mechanism
GLOF	glacial lake outburst flood
ICIMOD	International Centre for Integrated Mountain Development
IWRAM	integrated water resource allocation and management
NAPAs	national adaptation plans of action
NPP	net primary productivity
PES	payment for environmental services
RCMs	regional climate models