

FOREWORD

The Regional Steering Committee for Asia and the Pacific (RSC-AP) under UNESCO's Intergovernmental Hydrological Program (IHP) is a key cooperation mechanism that connects IHP National Committees across the region to enhance coordination, promote knowledge-sharing and develop joint initiatives in the field of water resources.

On the occasion of the 32nd RSC-AP meeting in Hanoi, celebrating 50th years Anniversary of the UNESCO's IHP and 60th years of water science, being the Chair of the RSC-AP, I am honored to introduce this special volume as a reflection of our collective efforts and shared vision for applying scientific knowledge in practical water management across the region. This volume highlights the collective studies developed in response to the growing need to share not only data but also methods and experiences in hydrological management among countries on flood risk warning system, water demand index mapping, landslide susceptibility, assessing Water Security - emerging topics as the region faces increasing pressures from climate change, urbanization and resource overexploitation. The outstanding feature of this volume is its close connection to real-world practice: Each contribution is rooted in the specific context of each country and locality, demonstrating how science is applied to address water-related challenges in everyday life. I trust that this collection will continue inspiring cooperation, mutual learning and practical actions toward sustainable development in the field of water resources across Asia and the Pacific. It also serves as a valuable reference for researchers, practitioners and policy makers both within and beyond the region.

*I would like to sincerely thank all contributing authors, reviewers and the editorial team for their dedication in preparing this special volume. I also extend my appreciation to all participants of the Scientific Workshop on **"Water Science and Management for Sustainable Development under Climate Change"** alligning with the 32th RSC-AP meeting.*



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Ministry of
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Environment



From
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