

Water Resources in the Twenty-First Century: Challenges and Implications for Action

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1996). Pressures on water resources are likely to worsen in response to population growth, shifts toward more meat-based diets, climate change, and other challenges. Moreover, the world's water is increasingly becoming degraded in quality, raising the cost of treatment and threatening human and ecosystem health (Palaniappan et al. 2010). Furthermore, the physical availability of freshwater resources does not guarantee that a safe, affordable water supply is available to all. In *The World's Water 2000-2001: The Biennial Report on Freshwater Resources*, 1998. Washington, DC: Island Press. Google Scholar. Gleick, P. H.. 2002. *Water: Actions. 11 - Human Rights for the Twenty-first Century. 12 - A New United Nations Funding Mechanism. Part III - Governance and the Management of Multiple Global Risks.* Action can be postponed, generally increasing the costs and negative consequences over time, but it cannot be avoided. Fortunately, new information technologies that make data and knowledge widely available also strengthen our ability to use that knowledge to improve decision-making at all levels if there is the political will to do so. Beyond the inevitable pressures on resources, rapid population growth in the poorest parts of the world in the next several decades will lead to growing imbalances and a broad range of challenges for governments, businesses, and civil society. Read chapter *Challenges to Agricultural Research in the Twenty-first Century: Engineers need economists' insights about the marketplace to understand how ...* In these remarks I will discuss some of the challenges facing the global agricultural research systems as we move into the first decades of the next century. Before doing so, however, I would like to first place my remarks within the intellectual climate that has conditioned our thinking about the relationships among environmental, technological, and institutional change during the second half of the twentieth century. It permits the substitution of knowledge for resources; it permits the substitution of more abundant for less abundant resources; and it releases the constraints on growth imposed by inelastic resources. Page 86 Share Cite. *World Water Resources at the Beginning of the Twenty-First Century*. Edited by. I.A. Shiklomanov. This book is in copyright. Subject to statutory exception and to the provisions of relevant collective licensing agreements, no reproduction of any part may take place without the written permission of Cambridge University Press. First published 2003. Printed in the United Kingdom at the University Press, Cambridge. Typeface Times 9.5/13 pt System LATEX 2_μ [TB]. A catalogue record for this book is available from the British Library. Library of Congress Cataloguing in Publication data. *World water resources at the beginning of the 21st century / scientific leader and editor, I.A. Shiklomanov, Joh* See what's new with book lending at the Internet Archive. *Water resources in the twenty-first century : challenges and implications for action.* Item Preview. remove-circle. Share or Embed This Item. EMBED. There are no reviews yet. Be the first one to write a review. 4 Previews. DOWNLOAD OPTIONS. download 1 file. ENCRYPTED DAISY download. For print-disabled users. 14 day loan required to access EPUB and PDF files.