

1. Record Nr.	UNINA9910829014703321
Titolo	Challenges and opportunities in the hydrologic sciences // Committee on Challenges and Opportunities in the Hydrologic Sciences, Water Science and Technology Board, Division on Earth and Life Studies, National Research Council of the National Academies
Pubbl/distr/stampa	Washington, District of Columbia : , : National Academies Press, , [2012] ©2012
ISBN	0-309-22286-9 0-309-22284-2
Descrizione fisica	1 online resource (200 p.)
Disciplina	551.48
Soggetti	Hydrology - Research Hydrology Hydrologic cycle Biotic communities Water quality
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	Summary -- The hydrologic sciences -- The water cycle: an agent of change -- Water and life -- Clean water for people and ecosystems -- Hydrologic sciences: a path forward -- [Appendixes].
Sommario/riassunto	"New research opportunities to advance hydrologic sciences promise a better understanding of the role of water in the Earth system that could help improve human welfare and the health of the environment. Reaching this understanding will require both exploratory research to better understand how the natural environment functions, and problem-driven research, to meet needs such as flood protection, supply of drinking water, irrigation, and water pollution. Collaboration among hydrologists, engineers, and scientists in other disciplines will be central to meeting the interdisciplinary research challenges outline in this report. New technological capabilities in remote sensing, chemical analysis, computation, and hydrologic modeling will help

scientists leverage new research opportunities"--Publisher's
description.
