1. Record Nr. UNINA9910141489603321

Titolo	Climatic change and global warming of inland waters : impacts and mitigation for ecosystems and society / / edited by Charles R. Goldman, Michio Kumagai, Richard D. Roberts
Pubbl/distr/stampa	Chichester, [England] : , : Wiley Blackwell, , 2013 ©2013
ISBN	1-118-47059-1 1-118-47061-3 1-299-15861-7 1-118-47062-1
Edizione	[2nd ed.]
Descrizione fisica	1 online resource (758 p.)
Classificazione	SCI081000
Disciplina	551.48
Soggetti	Climatic changes - Social aspects Climatic changes Freshwater ecology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Research solicited from scientists who attended sessions organized by the World Water and Climate Network, WWCN in Nice, France, 2009.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	pt. I. Impacts on physical, chemical, and biological processes -- pt. II. Impacts on societies -- pt. III. Mitigation approaches.
Sommario/riassunto	"Effects of global warming on the physical, chemical, ecological structure and function and biodiversity of freshwater ecosystems are not well understood and there are many opinions on how to adapt aquatic environments to global warming in order to minimize the negative effects of climate change. Climatic Change and Global Warming of Inland Waters presents a synthesis of the latest research on a whole range of inland water habitats - lakes, running water, wetlands - and offers novel and timely suggestions for future research, monitoring and adaptation strategies.A global approach, offered in this book, encompasses systems from the arctic to the Antarctic, including warm-water systems in the tropics and subtropics and presents a unique and useful source for all those looking for contemporary case

studies and presentation of the latest research findings and discussion of mitigation and adaptation throughout the world. Edited by three of the leading limnologists in the field this book represents the latest developments with a focus not only on the impact of climate change on freshwater ecosystems but also offers a framework and suggestions for future management strategies and how these can be implemented in the future.Limnologists, Climate change biologists, fresh water ecologists, palaeoclimatologists and students taking relevant courses within the earth and environmental sciences will find this book invaluable. The book will also be of interest to planners, catchment managers and engineers looking for solutions to broader environmental problems but who need to consider freshwater ecology" --