Special Issue

Past, Present and Future Trends in Sea Level Change

Message from the Guest Editors

Global mean sea level rise is one of the most direct consequences of global warming. High-precision satellite altimetry, available since 1993, indicates that the global mean sea level is not only rising at a mean rate of 3.1 mm.yr-1, but has also accelerated over this 25-year period. Satellite altimetry also reveals strong regional variability in sea level trends that significantly differ from the global mean estimates. Ocean warming and continental ice mass loss are the two processes responsible for the global mean sea level rise.At regional scales additional processes are at play such as ocean dynamics, ocean circulation, atmospheric forcing (wind stress, heat flux and freshwater flux), the response of the solid Earth to past deglaciation (glacial isostatic adjustment/GIA) and present-day land ice melt, and associated gravitationl changes. [...] For further reading, please follow the link to the Special Issue Website at: https://www.mdpi.com/journal/water/special_issues/Sea_Level_Change

Guest Editors

Dr. William Llovel
LOPS, Plouzané, France

Dr. Anny Cazenave
Laboratoire d'Etudes en géophysiques et Océanographie Spatiales, CNES, 18 avenue Edouard Belin, 31401 Toulouse Cedex 9, France

Deadline for manuscript submissions

closed (30 October 2019)

Water

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 6.0

mdpi.com/si/18851

Water
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
water@mdpi.com

mdpi.com/journal/water

Water

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 6.0

mdpi.com/journal/water

About the Journal

Message from the Editor-in-Chief

In the context of global changes, the sustainable management of water cycles, going from global and regional water cycles to urban, industrial and agricultural water cycles, plays a very important role on the water resources and on their relationships with food, energy, biodiversity, ecosystem functioning and human health. *Water* invites authors to provide innovative original full articles, critical reviews and timely short communications and to propose special issues devoted to new technological and scientific domains and to interdisciplinary approaches of the water cycles. We ensure a critical review process and a quick turnaround between submission and final decision.

Editor-in-Chief

Dr. Jean-Luc PROBST
Centre de Recherche sur la Biodiversité l'Environnement (CRBE) UMR CNRS/UPS/INPT/IRD, Centre National de la Recherche Scientifique (CNRS), University of Toulouse, Campus ENSAT, Auzeville Tolosane, Toulouse, France

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, GEOBASE, GeoRef, PubAg, AGRIS, CAPlus / SciFinder, Inspec, and other databases.

Journal Rank:

JCR - Q2 (Water Resources) / CiteScore - Q1 (Aquatic Science)

MDPI