



Earthzine, an IEEE online scientific publication, is soliciting articles of 800 to 3,000 words for its fourth 2016 quarterly theme, Coastal Environments.

2016 Quarterly Theme, Issue 4 Oct. 1-Dec. 31, 2016

Coastal environments are complex regions of the Earth where the land, oceans and atmosphere interact. Seventy-five percent of cities with populations greater than 10 million are located near the coast; roughly 40 percent of the world's population lives within 100 kilometers of the coast. Coastal regions are vital to transportation, global industries, food and energy production, and recreation. The interaction of human activity and environmental change is strongest in coastal environments. This theme seeks articles describing contemporary issues behind the science and monitoring of coastal environments including their interaction with human activity.

Specific topics of interest for this theme include (but are not limited to):

- Changing marine habitats in coastal environments
 - Aquaculture
 - Coral ecosystems and reproduction research
 - Ecosystems analysis of farmed kelp
 - Shorelines: mangroves; restoration and protection; using satellite imagery to track the changing shapes of shorelines
 - Invasive species
- Impact of diminishing shorelines on indigenous communities
- Great Lakes research on coastal environments
- Ocean acidification
- Sensors for coastal observations
- Autonomous observation platforms and their impacts
- Information systems for coastal monitoring
- Remote sensing along coastal environments
- Effects of climate change on coastal environments
- Coastal environments and disasters/disaster response
- Applications and industry in the coastal environment
- Boundary dynamics – the interface of land and the coastal ocean.



The White City breakwater and lighthouse in White City, Michigan. On windy days, the water on the west side of the breakwater is choppy while on the east side the water remains calm. White City is on the Keweenaw Bay of Lake Superior. Image Credit: Kelley Christensen

We seek contributions from relevant disciplines and all regions of the globe. These can address current and emerging research and development issues, approaches, techniques or applications; community, state, and/or international initiatives; and other topics related to regional and global science, impacts, adaptation and policy. Submissions should include two to three visuals relevant to the content. Visuals may be graphs, charts, photographs or other appropriate images, with caption and credit information included. Authors may consider submitting:

- Original research
- Feature articles
- Reviews or op/eds
- Other narratives, as deemed appropriate by the editor.

Important dates: Submissions for the Coastal Environments Theme will be accepted until Dec. 1, 2016. To submit content to the theme, or to inquire about possible articles, email Science Editor Kelley Christensen at kjhchristensen@earthzine.org.

Publication: All accepted contributions will [undergo review](#) by subject-matter experts, be published online at Earthzine.org, and be freely accessible to the public. Earthzine does not charge authors for publishing.

Please consult our [Writer Guidelines](#) for further information; pay careful attention to the need for topics, region, interest level and tags required for each submission.

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