

DATA & APPLICATIONS ONLINE

Sea Level Rise Impacts on Ramsar Wetlands of International Importance, v1 (2000–2010)

Overview

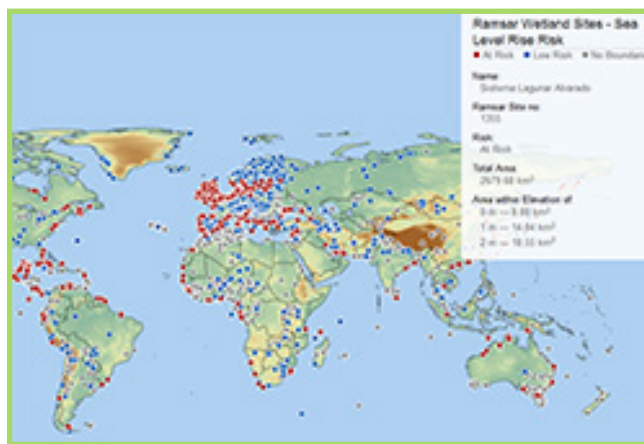
Sea Level Rise Impacts on Ramsar Wetlands of International Importance data set provides a preliminary assessment of coastal Ramsar Sites at risk to inundation as a consequence of sea level rise.

About the Data

- The data set:** Represents the results of an analysis using the boundaries for Ramsar sites designated under the Ramsar Convention on Wetlands, and intersecting them with different elevation zones in the coastal zone, to assess area and percent area that would become inundated under 1 m and 2 m sea level rise scenarios.
- Results for 613 sites with defined boundaries found to intersect with the 0-5m above mean sea level coastal zone are provided, defined by NASA Shuttle Radar Topography Mission (SRTM) elevation data. In addition to assessing the degree of risk of inundation, data on population density and percent of land that is urban within the site and within 1 km and 5 km buffers surrounding the site are provided.

Also reported are Infant Mortality Rates within 1 km and 5 km buffers around the site, as a measure of poverty levels that may affect adaptive capacity.

- Ramsar Wetlands Sites Mapper:** The map client for the data set is a Web-based service for assessing the exposure to sea level rise of coastal wetlands designated as Ramsar



Wetlands of International Importance (Ramsar Sites).

The client enables users to obtain information on which sites at risk to 0–1 m and 0–2 m sea rise. Users are also given the area (sq km) of each site at risk to different levels of sea level rise.

Data Access

Go to <http://bit.ly/22LaYMA> to download data, maps, and information.

References

de Sherbinin, A., Lacko, A., and Jaiteh, M. 2012. Evaluating the risk to Ramsar Sites from climate change induced sea level rise. *Ramsar Convention on Wetlands Scientific and Technical Review Panel Briefing Note*. No. 5. bit.ly/1RFfKTE. <http://bit.ly/1RFfKTE>.



Socioeconomic Data and Applications Center (SEDAC)
 CIESIN, Earth Institute at Columbia
 University Palisades, New York
<http://sedac.ciesin.columbia.edu>

www.nasa.gov



EOSDIS DAACs
 SEDAC is one of twelve NASA Earth Observing System Data and Information System (EOSDIS) Distributed Active Archive Centers (DAACs)

To learn more about data and tools available from EOSDIS, go to earthdata.nasa.gov.