

Development and Maintenance of a web viewer for Dutch coastal data
Supervision provided by Giorgio Santinelli, Fedor Baart, Cindy van de Vries, Ioanna Micha
Internship to take place at Deltares in Delft, The Netherlands. Duration is 3 months (negotiable).

The Coastviewer is a web portal developed by Deltares for the Dutch Ministry of Water and Infrastructure (*Rijkswaterstaat*) within the project Coastal Management and Maintenance (*B&O-Kust*). The Coastviewer provides online visualization of a number of datasets, among which bathymetric data, coastal indicators, land and sea boundaries, and nourishments, and it mainly consists of a map component, a time component and a panel for layer toggling.

Check url and github page here:

Web viewer: <https://www.openearth.nl/coastviewer-static/>

Github: <https://github.com/openearth/coastviewer-static>

For this project, a student will help to maintain the current version of the Coastviewer. The goal is to add new datasets and resources to the viewer, manage geospatial indicator, and produce dynamic visualizations and graphs. We are looking for a self-motivated student who is enthusiastic about GIS, data and visualization. Knowledge of fundamentals of GIS and programming is preferred but not required. While contributing, the student can learn more about modern web frameworks (Vue), programming languages (Python, JavaScript), hosting and version control (AWS, Github).

Applicants can submit a cover letter stating interest and relevant background experience with a résumé attached to Giorgio Santinelli (Giorgio.Santinelli@deltares.nl) with the following subject: *Coastviewer Internship – 2020*.

