Free and Open Source Software for Geospatial (FOSS4G) Conference Proceedings

2015

Case Study: Mapping Mangroves and Coastal Wetlands

Christopher Dubia
MapWorks Learning

Kent Lewis
MapWorks Learning

Andy Long
MapWorks Learning

Follow this and additional works at: https://scholarworks.umass.edu/foss4g

Part of the Geography Commons

PO-24

Case Study: Mapping Mangroves and Coastal Wetlands

Christopher Dubia*, Kent Lewis, Andy Long

MapWorks Learning

Corresponding Author : Christopher Dubia (chris@mapworkslearning.org)

Abstract

Mapping the Mangroves (MTM), a project of MapWorks Learning, provides formal and informal education, and gives citizen scientists and the larger scientific community the ability to engage with and explore mangroves and their ecosystems. Mangroves are a cornerstone species and play important roles in habitat formation, stabilization of coastal environments, and carbon sequestration.   The MTM open curricula and GIS tool provide opportunities for anyone to learn about authentic applications of GIS in the field, explore mangroves and their ecosystems, and share their findings. Learners develop an understanding and appreciation for the role mangroves play in a healthy environment and how GIS can aid in conservation.

Keywords : GIS, Coastal Conservation, Open Data, OER (Open Educational Resources)