

# A CiTizen science approach for data acquisition on coastal erosIOn



## Short name

ACTION

## Formal name

A CiTizen science approach for data acquisition on coastal erosIOn

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*Experimenting smart sensing technologies for coastal erosion exploiting the support of high school students.*



## Summary

ACTION aims at experimenting a smart sensing technology for coastal erosion exploiting the support of multiple user groups, targeting in particular at high school students. The project exploits low-cost sensing devices, called Smart Pebbles, which can be used to study coastal erosion processes. These devices are basically real pebbles taken from cobble beaches, and provided with sensing features. So far, their experimentation has been performed by the researchers of the team as documented by their publications. Experimental activities will involve high school students in the local communities that will be engaged as young researchers in Smart Pebble testing campaigns, with the double result of exploiting the solution for data acquisition and raising youngsters' awareness and engagement in climate change issues. The experimental campaigns will be carried out in Italy and Ireland.