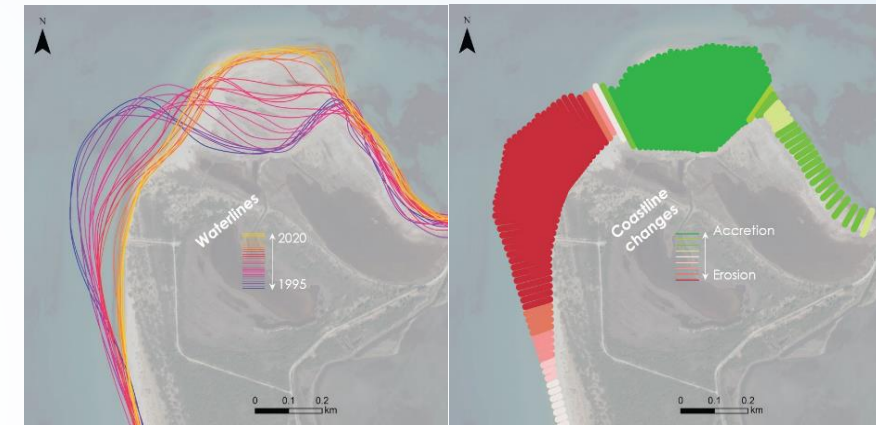


EO services contributing to the SDGs

Coastal Erosion Monitoring



- Users:** Public sector: National governmental agencies, regional authorities, intermunicipal cooperations and municipalities, natural site managers, research centres and coastal observatories. Private sector: Insurance companies, Coastal engineering companies
- Challenge:** Support decision-makers in the mitigation of coastal hazards through a set of coastal erosion indicators measurable from EO data.
- Initiative:** Operational gap identified to the stakeholders because of lack in updated coastal erosion data over frequent time-series, in combination with the strong need for data facing the climate change challenges.
- Results:** A set of indicators covering all possible coastal geomorphologies over different spatial and temporal time-series, with high replicability and scalable enough to address various user needs for different accuracies and frequencies.
- Service provider:** Terra Spatium (Space for Shore-ESA Coastal Erosion)
- References:** <http://spaceforshore.eu/>



Waterline changes Indicator



Beach Width Indicator

Target 1.1: By 2030, eradicate extreme poverty for all people everywhere, currently measured as people living on less than \$1.25 a day. > Mapping areas and resources
Target 14.2.: sustainably manage and protect marine and coastal ecosystems with a view to avoiding significant adverse impacts, including by strengthening their resilience, and taking steps to restore them to restore the health and productivity of the oceans.

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