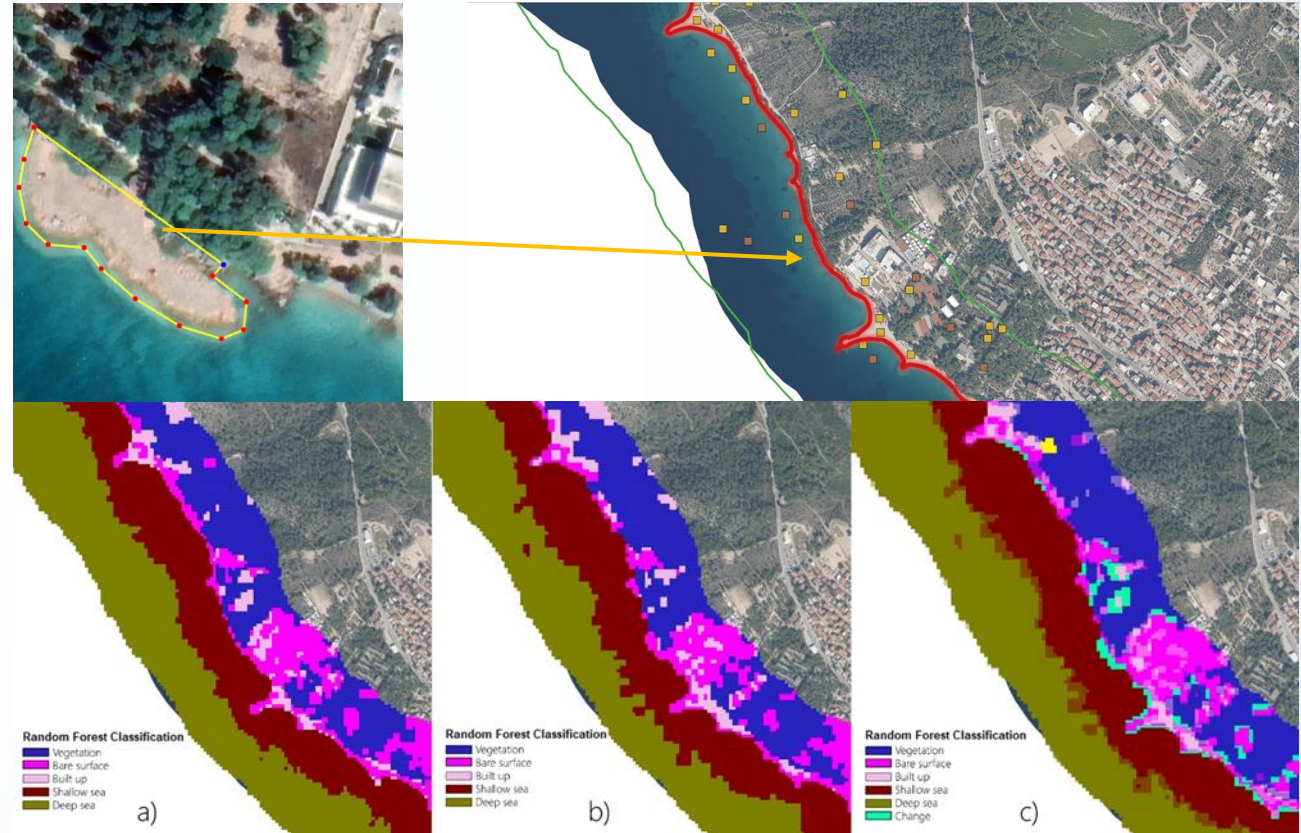


EO services contributing to SDGs

Monitoring of Coastal zones

- User: Public administration, coastal governing bodies, sectorial Ministries
- Challenge/Needs: Monitoring of coastal zone and identification of negative human influence
- Initiative: To develop, in the long term, an automated process based on Sentinel 2 imagery, which would detect several types of activities destructive to the ecosystem, such as: gridding of karst coastline to create beaches, embanking and refeeding the karst coastline with gravel, dumping construction material on the shore and construction of illegal piers.
- Results: Online, per-request, service for active monitoring of negative human influence on the coast
- Service Provider: Oikon Ltd. – Institute of Applied Ecology

Target 14.1: By 2025, prevent and significantly reduce marine pollution of all kinds, in particular from land-based activities, including marine debris and nutrient pollution. Indicator 14.1.1: Coastal marine pollution



Sample of negative coastal influence (Upper image) with classified situation before (a), after (b), and detected change (c)

References link: [The European Space Agency \(ESA\) and Oikon sign two contracts for remote sensing projects in Croatia – Oikon d.o.o.](#)