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CIÊNCIA'22

Ria Formosa Virtual Observation



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CENTRO DE INVESTIGAÇÃO MARINHA E AMBIENTAL

Rising awareness on Ria Formosa and its variability



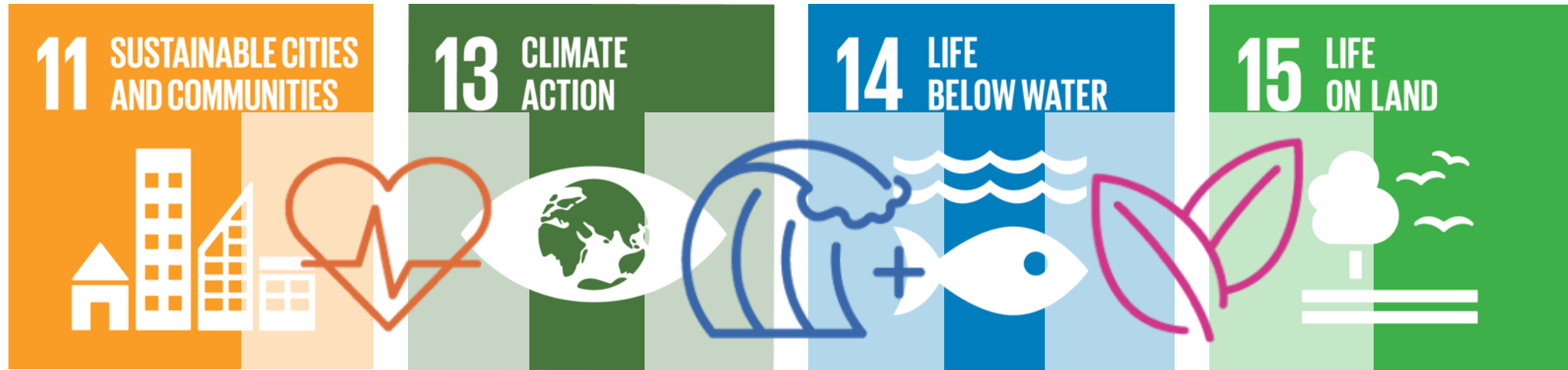
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Changing conditions do not enable visitors to have a real overview of the diversity and evolution of the landscape along time.

Carrasco et al. 2021, Sci.Tot.Envi.

Working on Societal challenges and SDGs



Global Health

Disaster Resilience

Environment



Plastic
litter



Sediment
dynamics



Natural vs
Invasive
Dune Vegetation

Engaging with Citizen Science



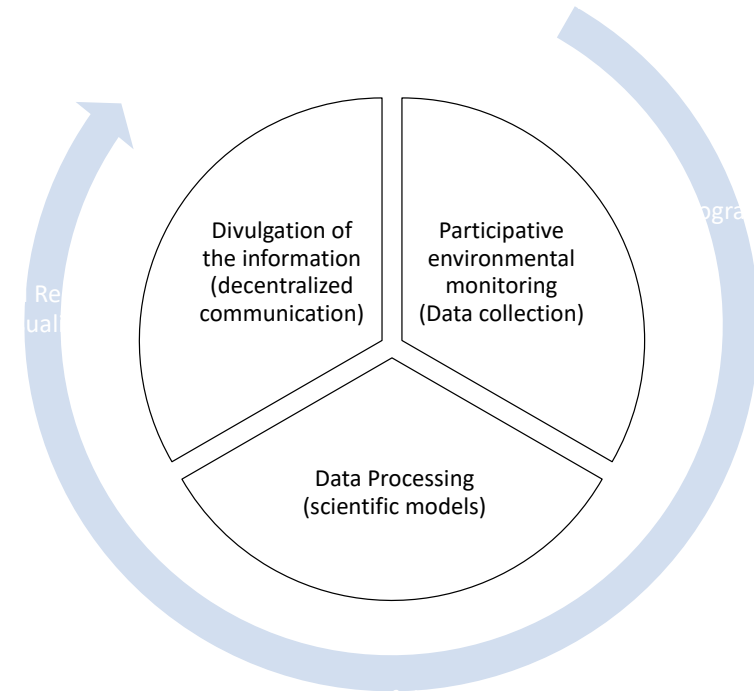
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Frits Ahlefeldt

@drawnJournalism

Engaging people to help monitor, analyze and solve coastal and ocean challenges



Veiga-Pires et al 2022, Engaging citsci

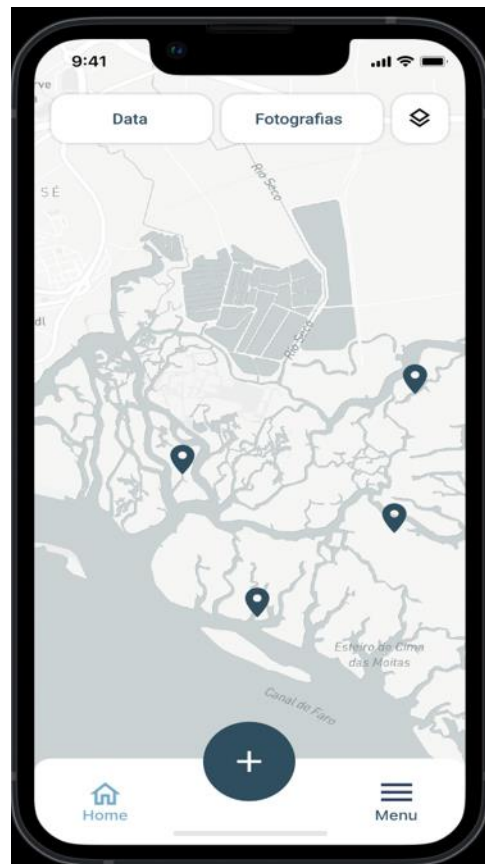
Creating a Virtual Observatory Laboratory



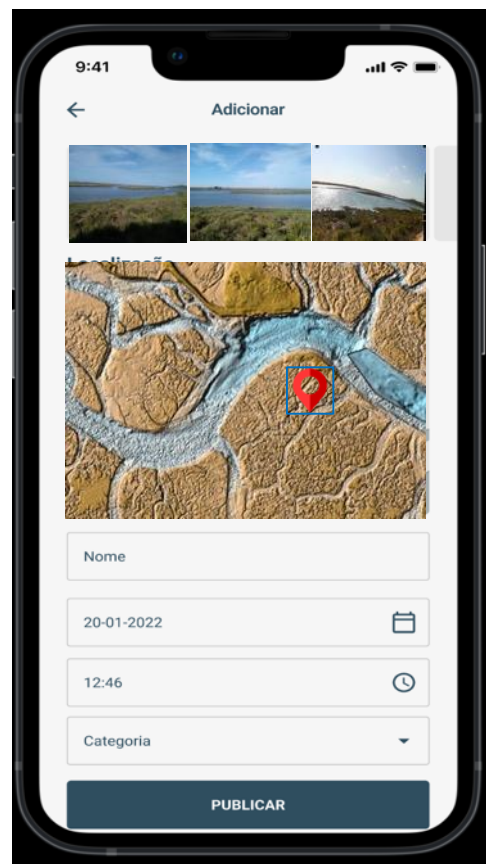
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Responsive app



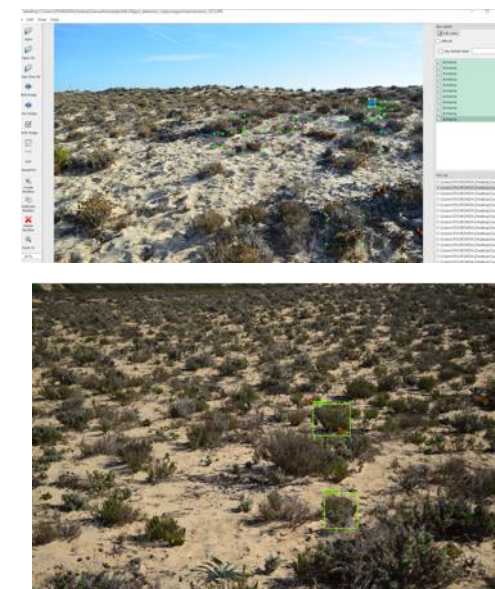
GIS & Geoserver



Site specific
Landscape evolution



Period specific



Artificial
intelligence
recognition

