

Development of innovative remote sensing techniques and tools for mapping marine bioindicators and their potential responses to specific anthropogenic pollutants

STOPP - Strumenti e Tecniche di Osservazione della Terra in Prossimità e Persistenza



























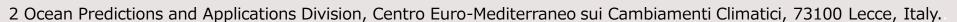






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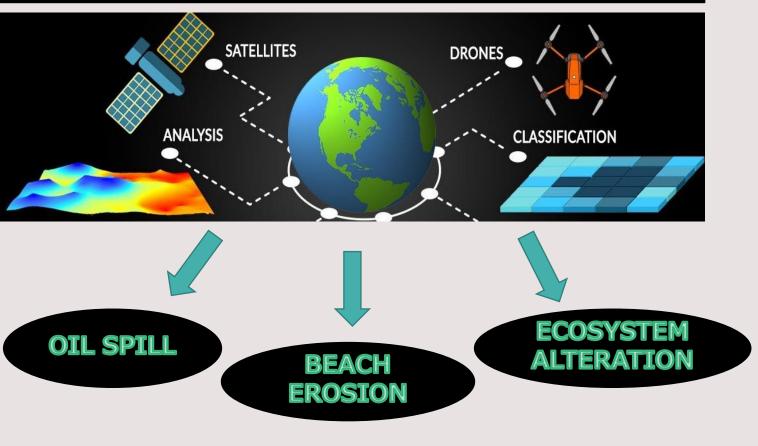
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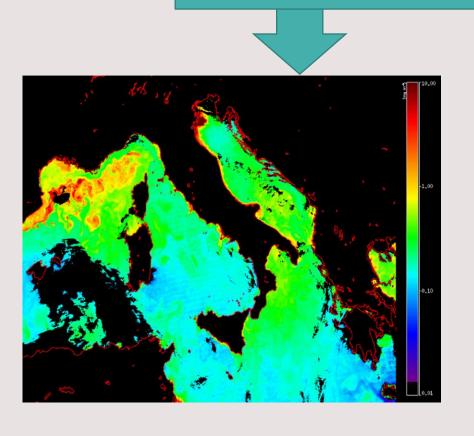


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can remote sensing play a role in the control destruction of marine ecosystems???



Anthropogenic impacts overlap with climate change that can amplify the effects of pollution on marine ecosystems.

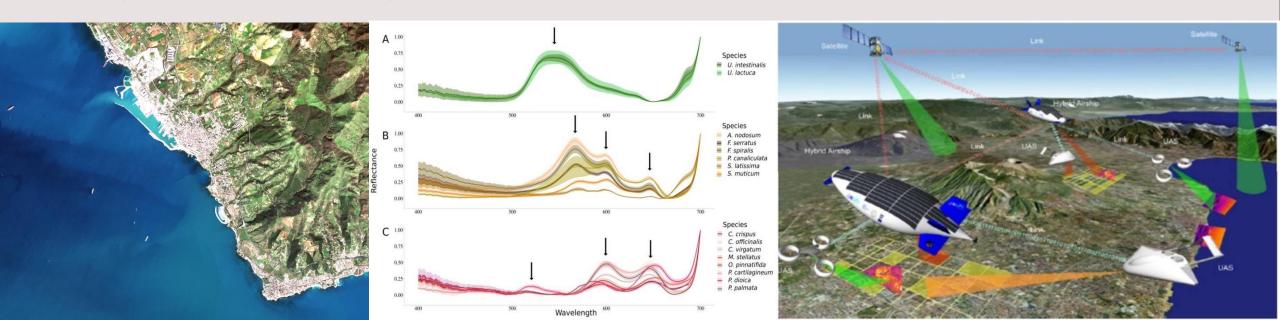


And... what about of coastal marine pollution?

This work is part of the STOPP project (Strumenti e Tecniche di Osservazione della Terra in Prossimità e Persistenza), funded by ASI (Agenzia Spaziale Italiana) and aims to:

- (I) map seagrasses and macroalgae species applying remote sensing methodology (e.g., Leaf Area index LAI);
- (II) select target species that can respond to certain pollutants through variations in the spectral signature;

(III) develop an innovative methodology for the monitoring and mapping of marine bioindicators by detecting "target wavelengths" caused by the impact of chemical pollutants on seagrasses and macroalgae species.





COAST MAPPING



New bioindicators to assess the ecological quality of benthic biocenosis of coastal marine ecosystems:



THANKS FOR YOUR ATTENTION

