

Sentinels4marine plastic waste

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Satellite-based plastic waste monitoring in aquatic ecosystems

New European Satellite systems – “The Sentinels” + “EnMAP”



Sentinel 2

-13 spectral bands
 -10-60m spatial resolution



Sentinel 3

- Ocean and Land Colour Instrument
 - 21 spectral bands
 - 300m spatial resolution



EnMAP

-232 spectral bands
 -30m spatial resolution

The project will assess the potential of new remote sensing data/techniques for:

1. Quantification of plastic waste for selected European rivers
2. Monitoring plastic waste in river deltas and adjacent coastal zones
3. Large-scale plastic waste monitoring in the pacific ocean

Project duration: mid 2013 – mid 2016