

Measuring Surface Flow and Plastic Dispersion with Surface Drifters

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Research questions

How does plastic enter the ocean?
How is plastic transported in the ocean?
Where does marine plastic accumulate?

Research approach

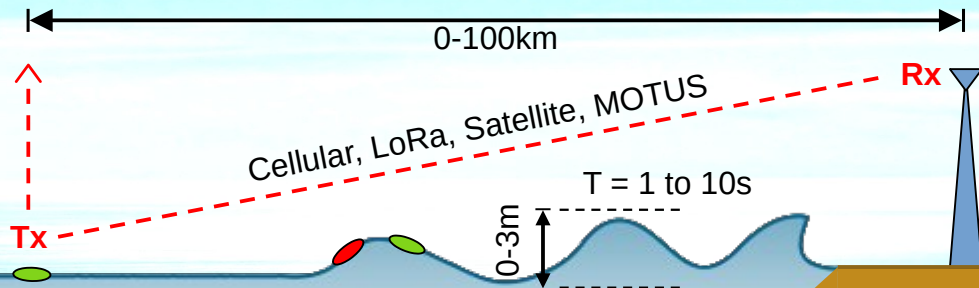
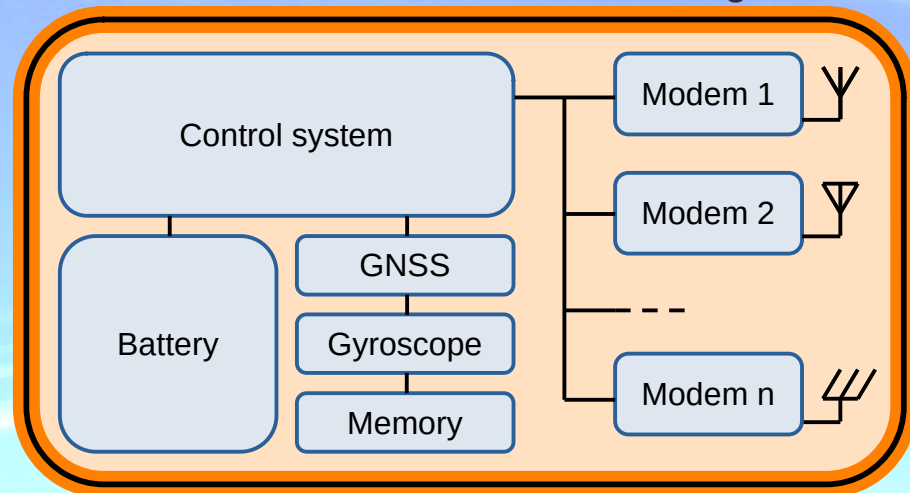
Drifter campaigns to
... develop / parameterize simulations
... study transport processes

Drifter design

Mimic macroplastic
Components
GNSS positioning
Telemetry
Battery
(Sensors, Logging)



Testbed for transmission technologies



[1] Figure modified, OSPAR, <https://www.ospar.org/>

[2] Figure modified, "Message in a bottle: Open source technology to track the movement of plastic pollution", Duncan et al 2020