

ISDAMP+

Improvements of Shorelines Defenses Against Marine Pollution

Partners

EIGSI Engineering School La Rochelle (F)
Instituto Superior Técnico Lisbon (PT)
Action Modulers Mafra (PT)
Falmouth Harbour Commissioners (UK)

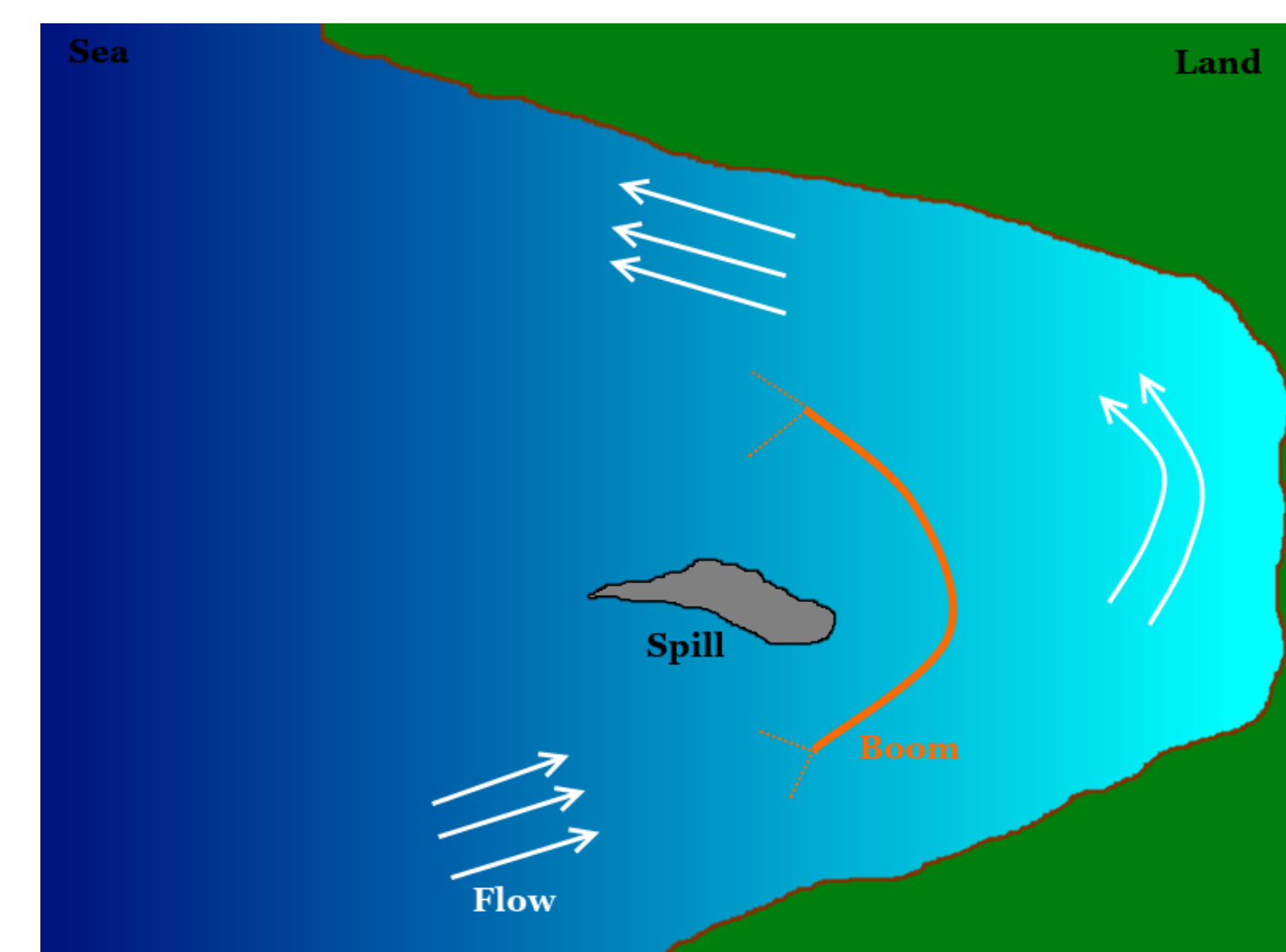


Objectives

When a maritime pollution occurs near the coast, a main response is the installation of floating barrier. The difficulty is to install this barrier in a useful way.

- a software and a methodology so that responders can optimize the usage of oil spill barriers
- model coupling : MOHID (ocean currents and pollution modelling) and BAR3D (Structural analysis) using OPEN-MI interface

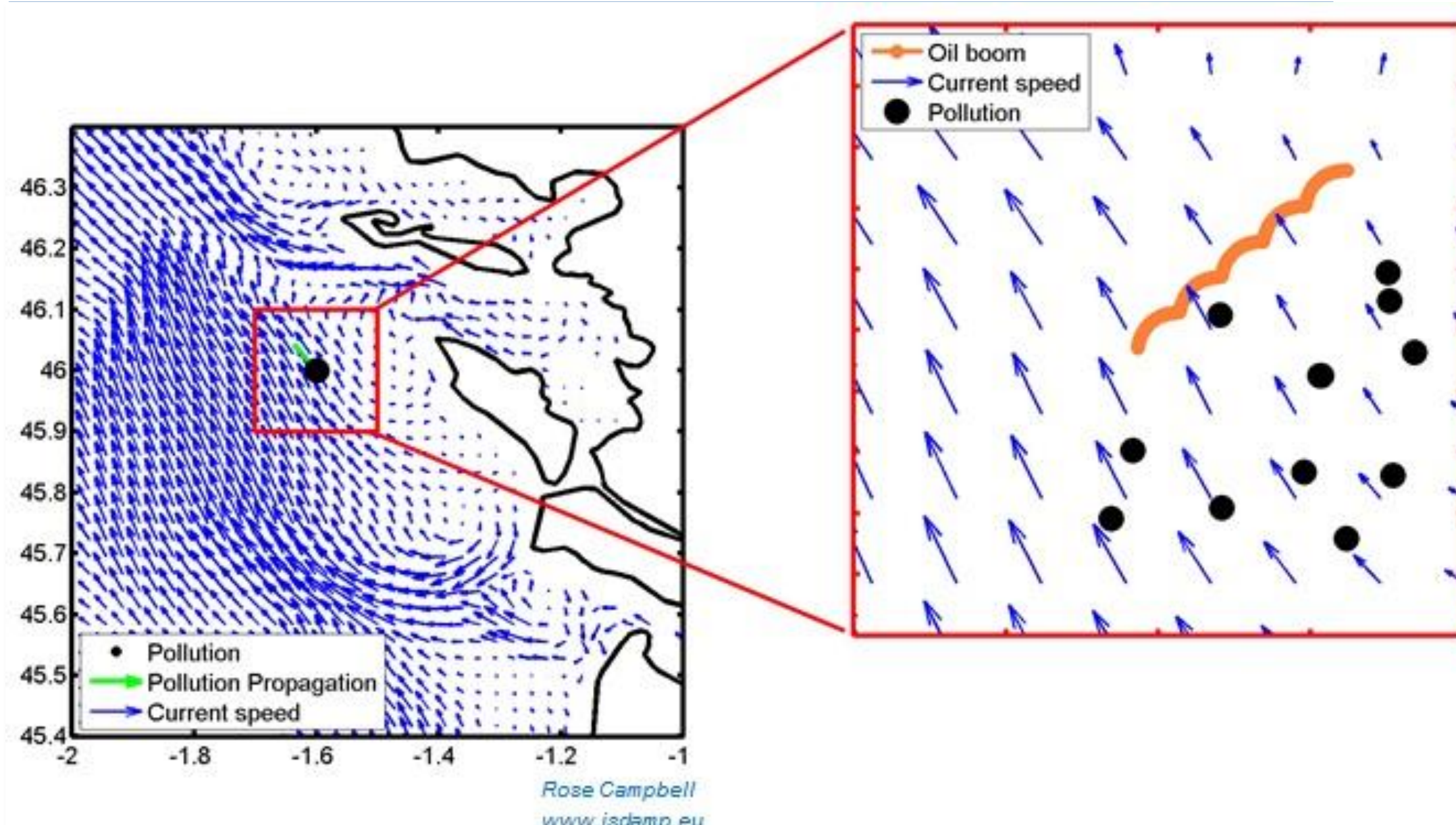
MOHID water: currents spill evolution
BAR3D : boom geometry efficiency



Future Developments

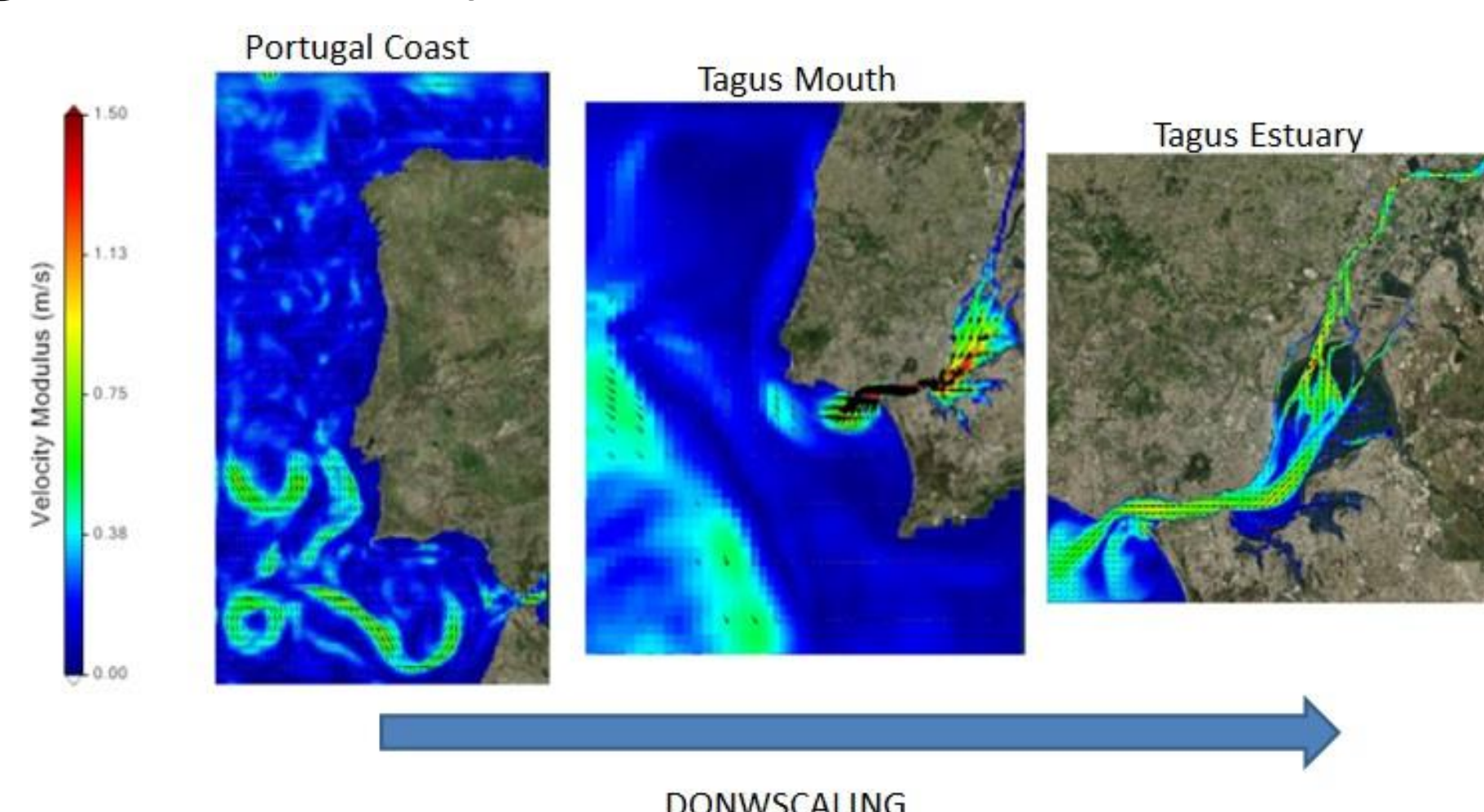
La Rochelle ocean model
Software validation
Experiments to be conducted in:

- Lisbon
- Falmouth
- Rochefort



First Results

Tagus estuary model



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For more information about the ISDAMP project:



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