

Assessing the Effects of Tidal Energy Converter Array Size on Hydrodynamics of Ria Formosa (Portugal)

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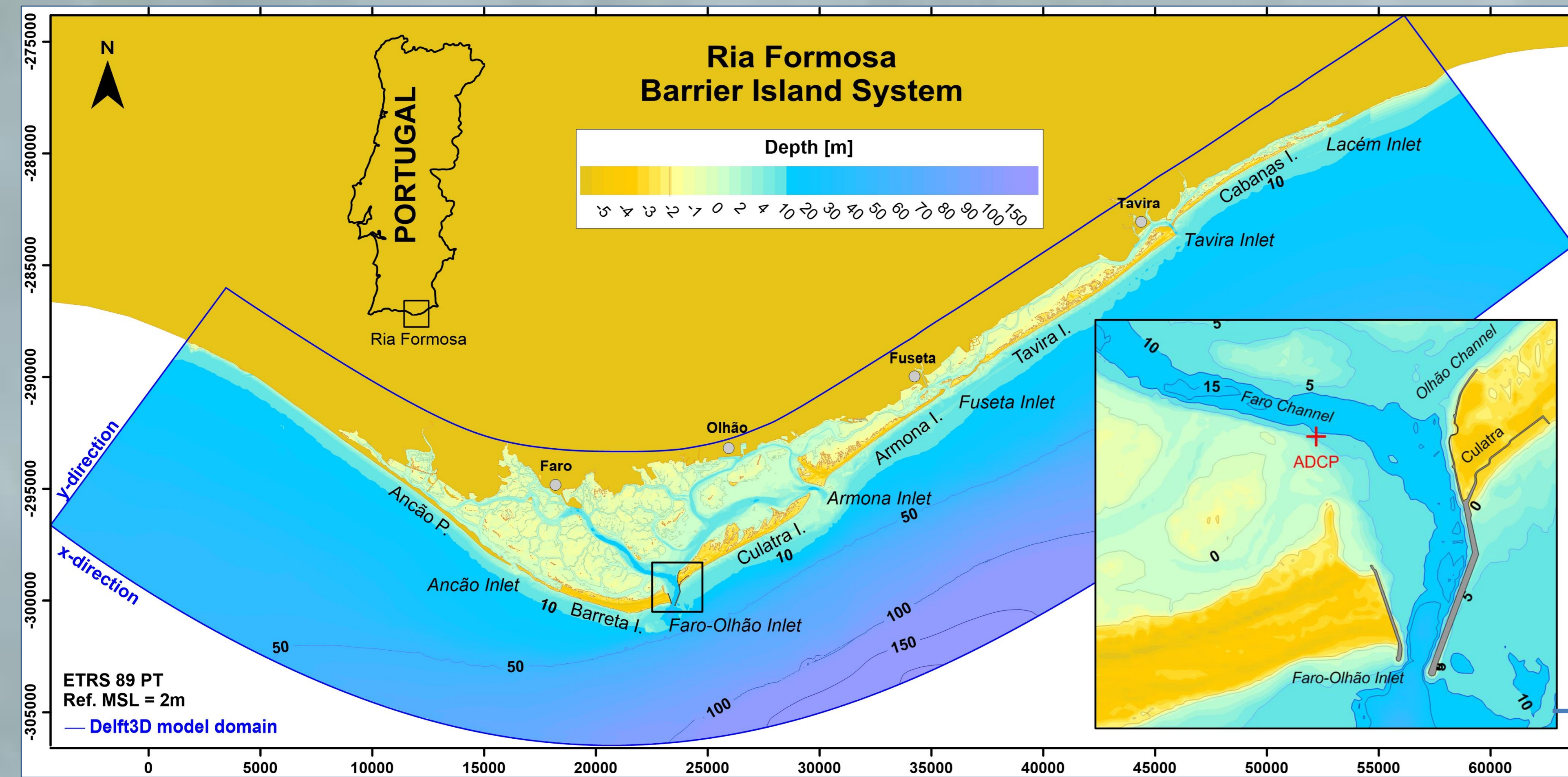
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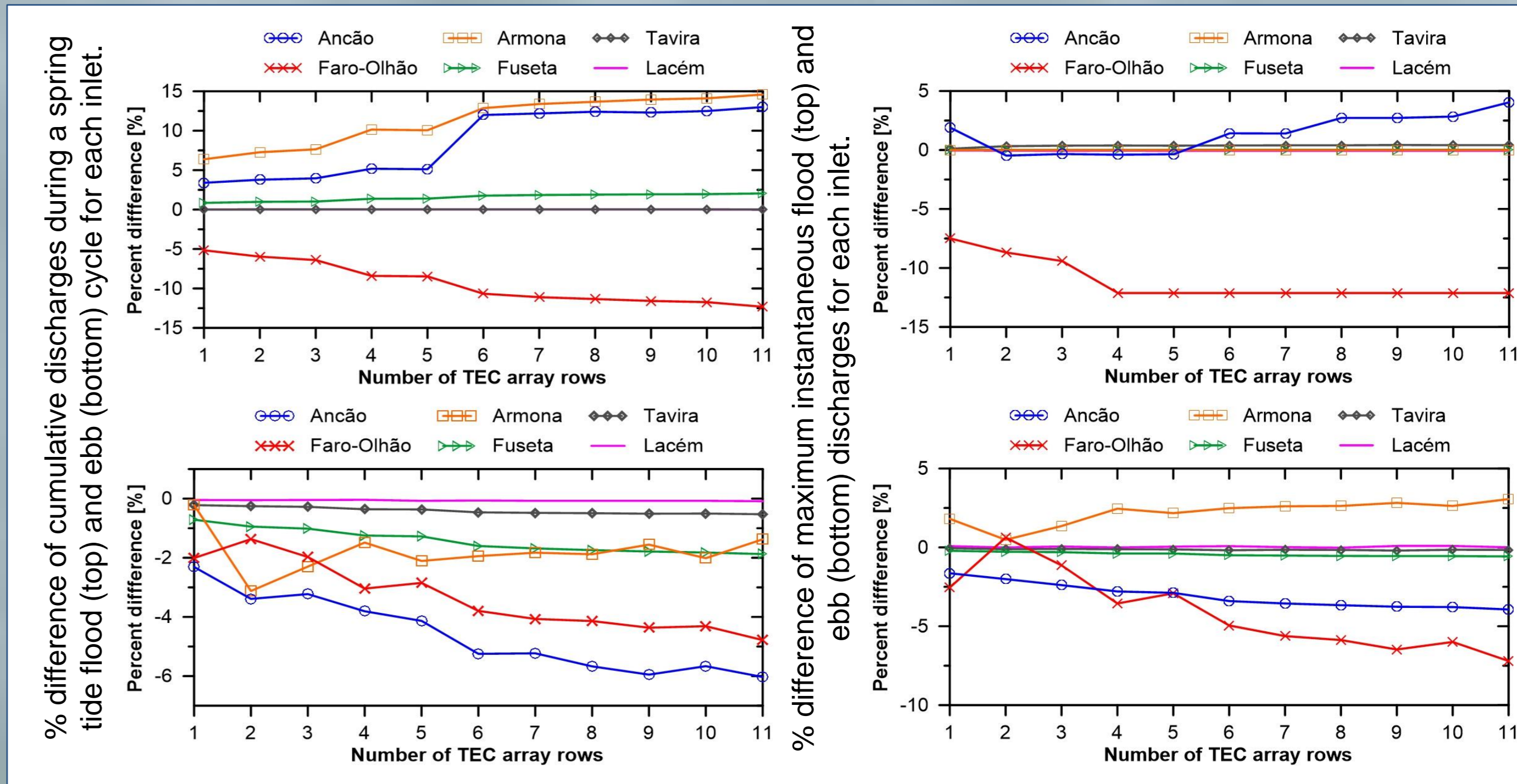
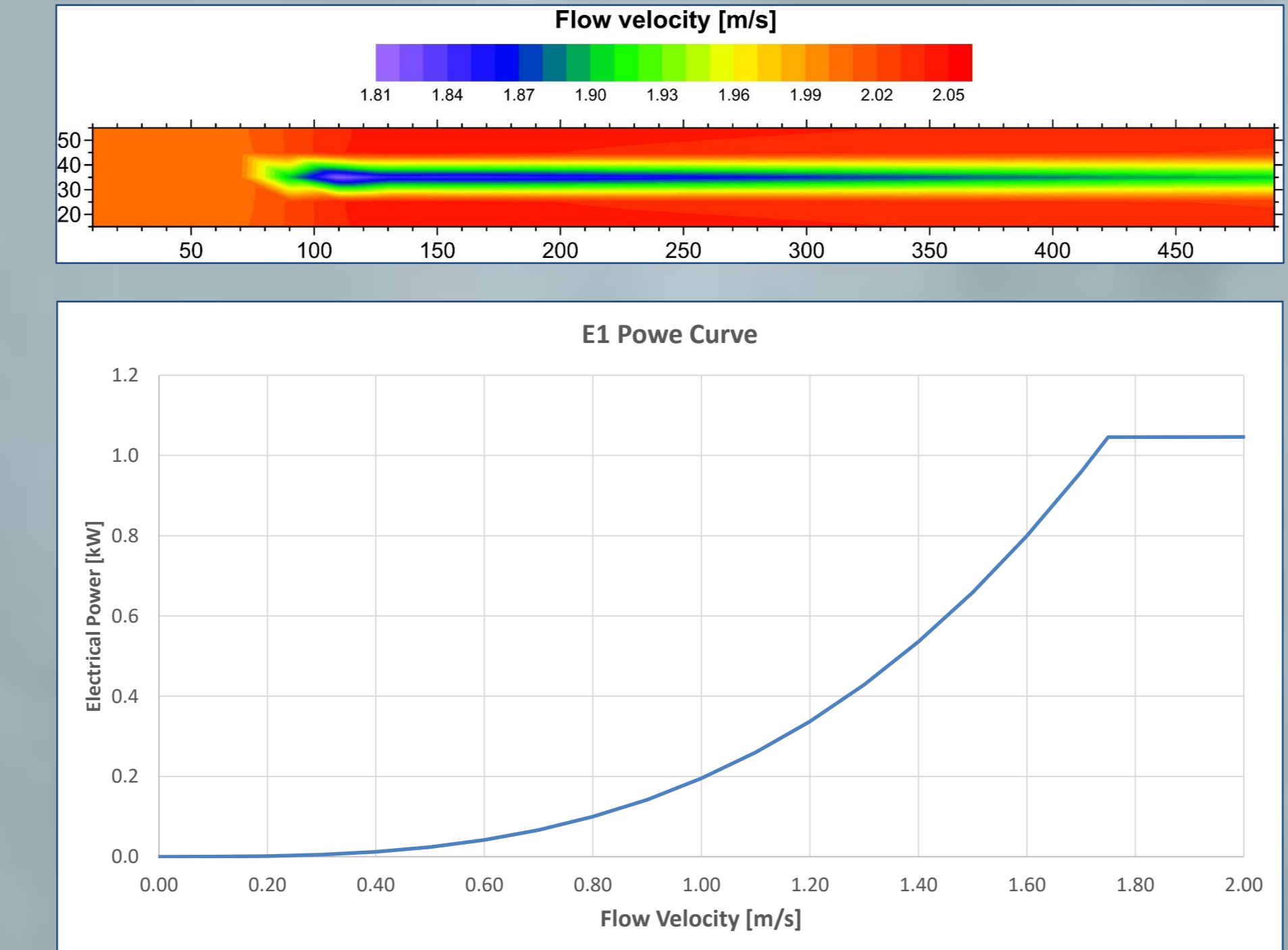
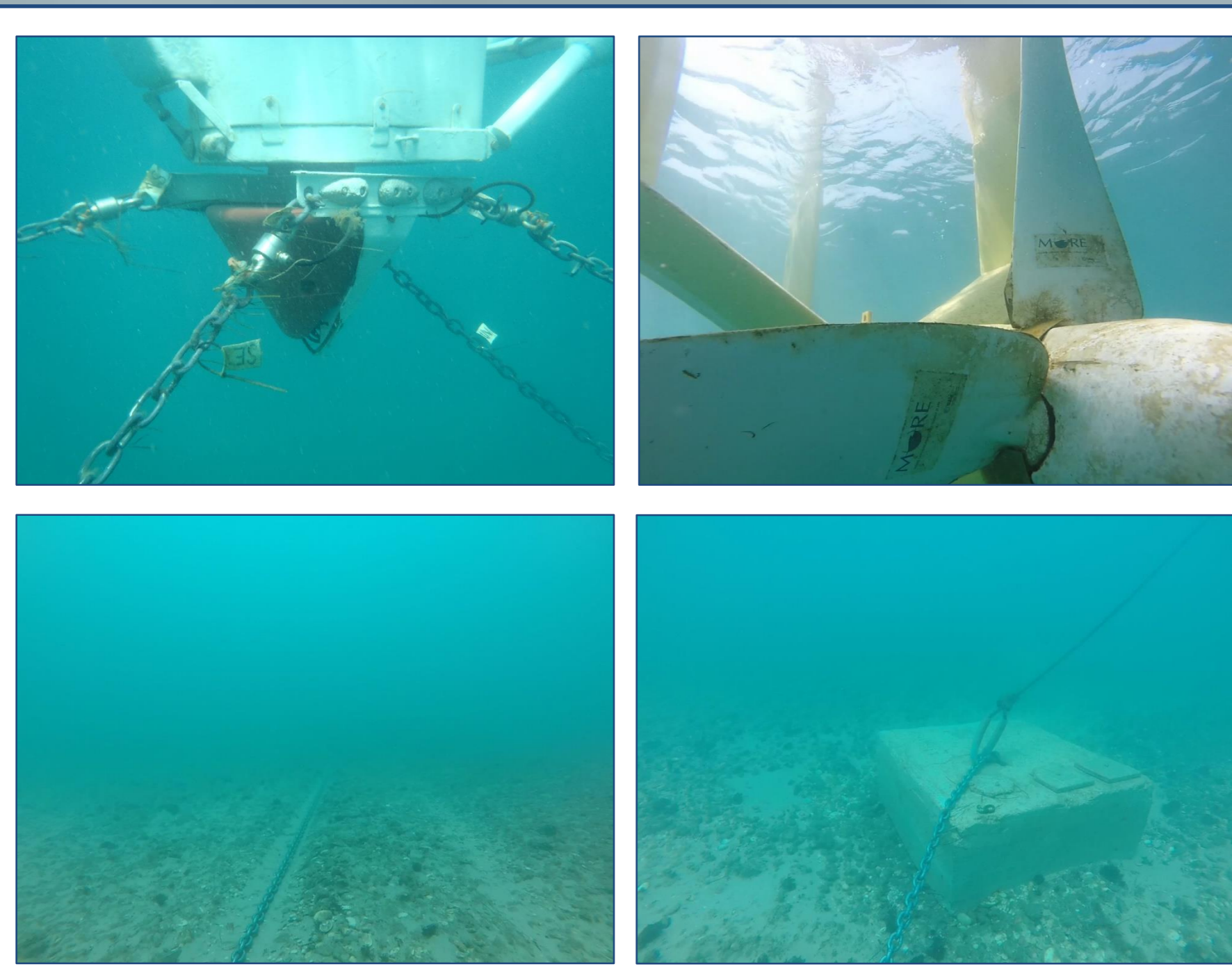
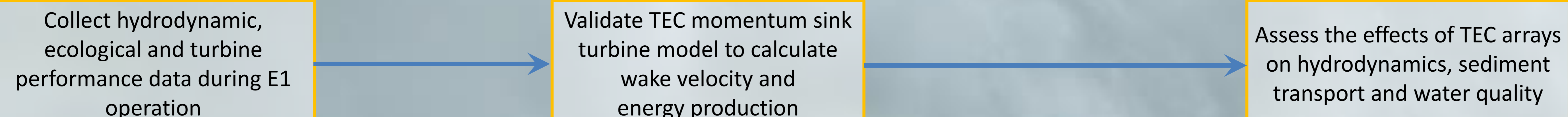
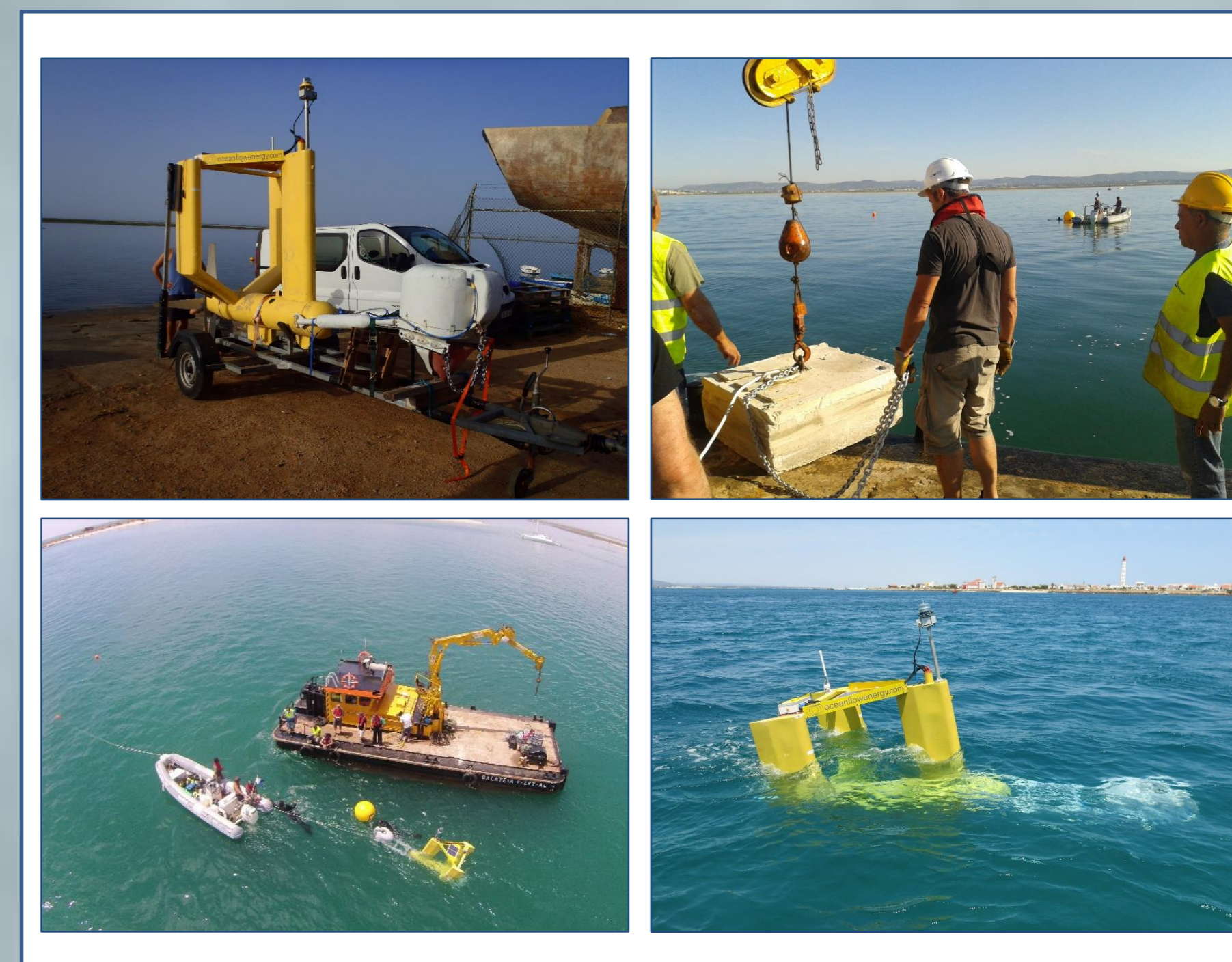
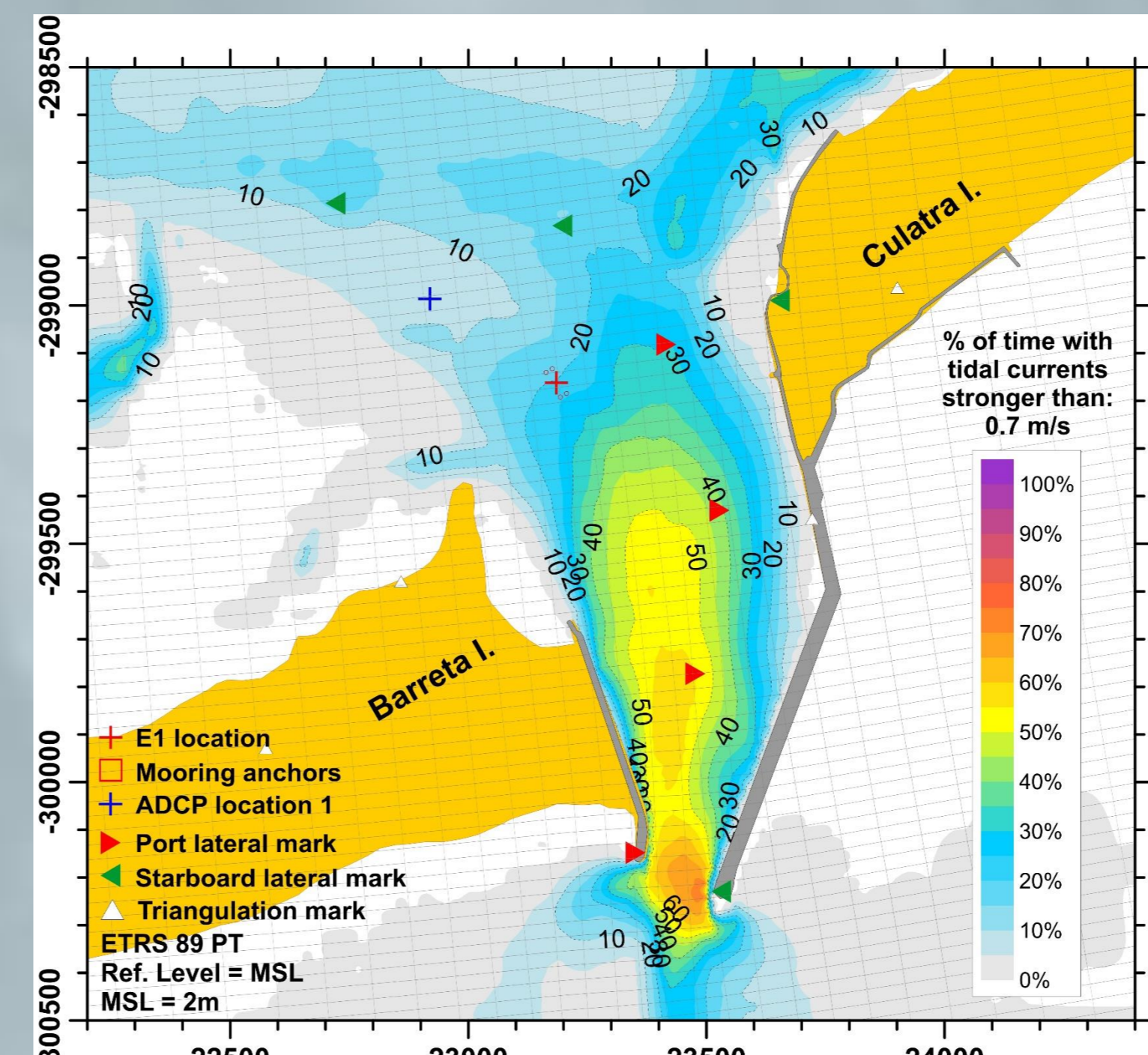
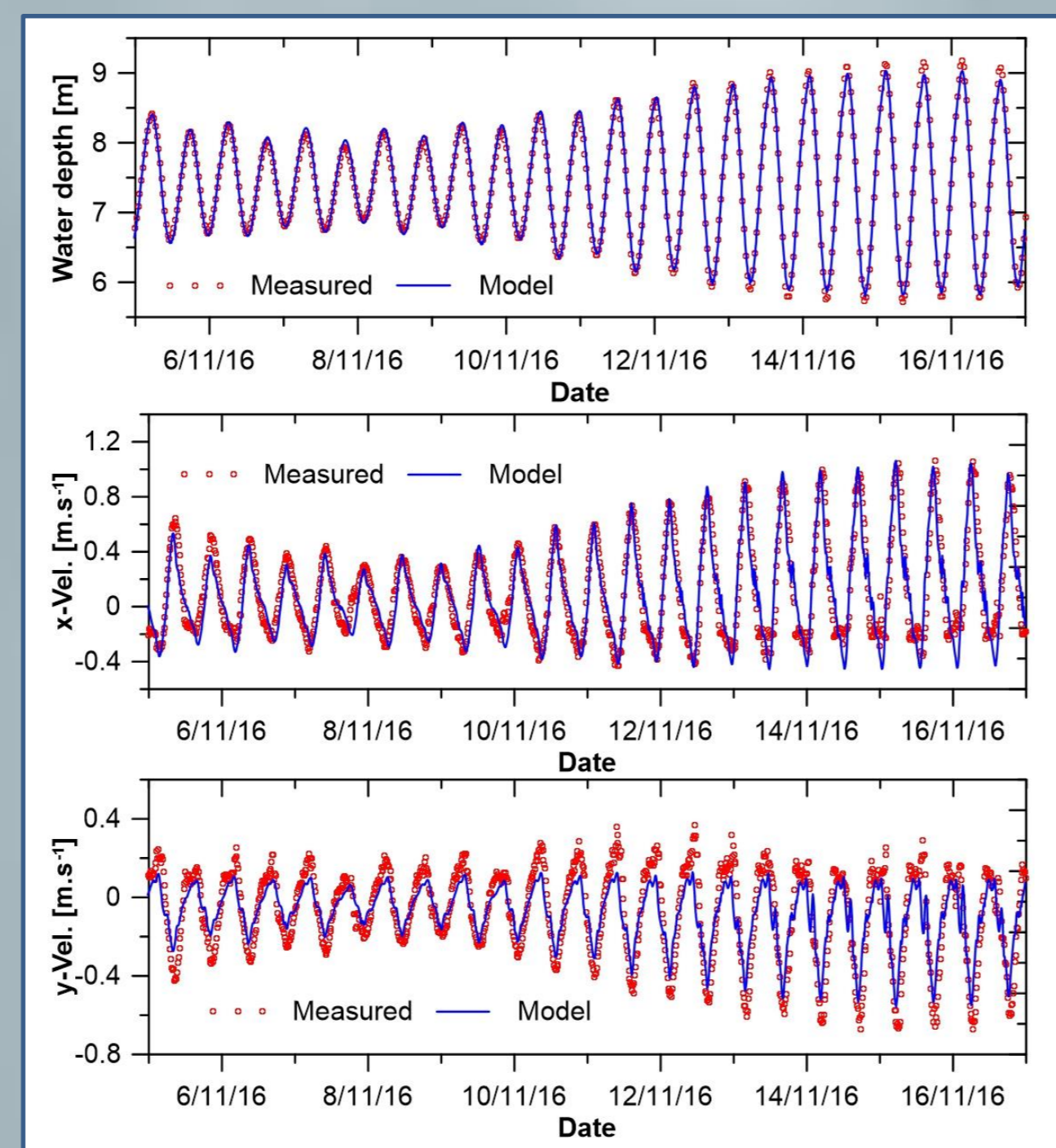
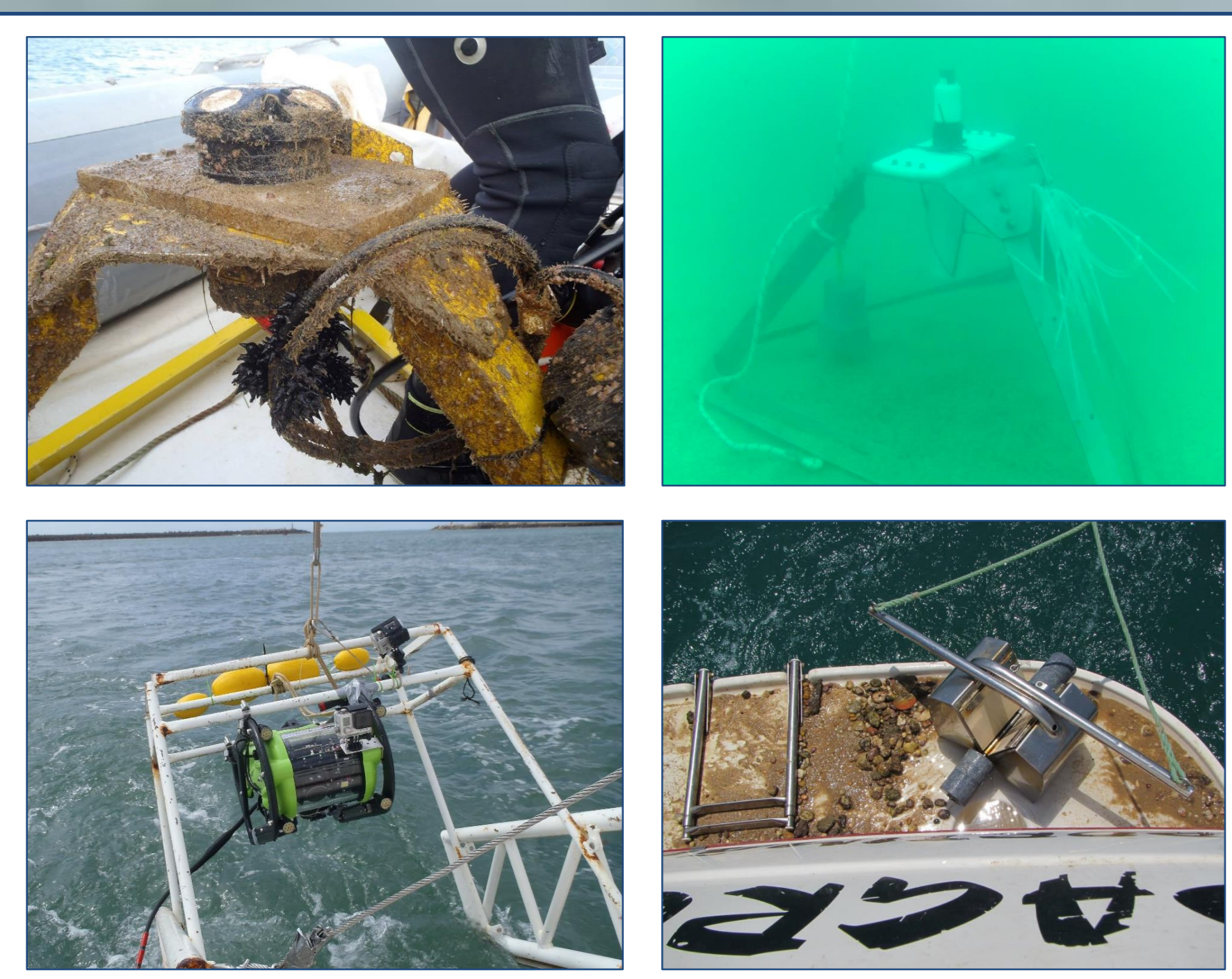
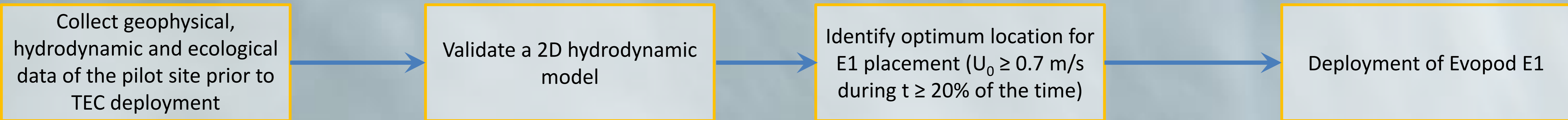
About SCORE project

SCORE - Sustainability of using Ria Formosa Currents On Renewable Energy production - proposes to test for the first time on Portuguese waters a floatable tidal energy converter (TEC), the Evopod 1:10th scale 1kW (E1) prototype from OceanFlow Energy Ltd. The innovative aspect of TEC testing in Portugal lies with the unique morphological characteristics associated with the device deployment site at Ria Formosa, a coastal lagoon protected by a multi-inlet barrier system located in southern Portugal. It is therefore ideal to analyse both the energy extraction efficiency and eventual impacts that extracting energy from the flowing currents will have on the ecological communities and physical settings of a shallow-water estuarine environment.

Region of a study



Methodology



Acknowledgements