

Dear Colleagues,

I am delighted to share details of the FFSAR-Coastal (Fully Focused SAR Altimetry and Innovative River Level Gauges for Coastal Monitoring) 3-hour online workshop taking place on 17th May (13:00 BST/14:00 CEST). Through this workshop we hope to consult agencies and groups working along the coast and from the regions of interest – Severn Estuary (UK) and Rhône Delta (France) - to identify gaps and priorities for water level monitoring requirements.

Details of the workshop are below, please register at <https://noc-events.co.uk/ffsar-coastal-workshop>

Please share this invitation with any colleagues you think would be interested in attending the event, and apologies for any cross-posting,

Best wishes,

Charlie and the FF-SAR project team

Fully focused SAR altimetry for water level monitoring in the Severn Estuary (UK) and Rhone Delta (France)

Tuesday 17th May, 13:00 BST/ 14:00 CEST

FFSAR-Coastal, a European Space Agency (ESA) funded project, aims to apply the Fully Focused SAR altimetry processor on Sentinel-3 data and evaluate its potential to make a significant contribution to coastal and estuarine monitoring systems, when coupled with innovative water level gauges for validation.

Two different environments are being considered:

- The Severn Estuary and river: A highly dynamic mixed tidal estuary environment, the confluence between a river and its estuary experiencing large tidal range and strong tidal currents.
- The lower Rhône Delta and Camargue: A low lying, flat river delta and wetland environment, susceptible to inundation and water level rise.

By studying these, the potential applicability and benefits offered by FFSAR altimeter data in similar locations will be demonstrated.

The workshop will begin with an introduction to fully focused SAR altimetry, we will then go on to explore early results from the Rhone Delta and Severn Estuary, before explaining where these data can be accessed and used alongside in situ measurements. In the second half of the workshop, we will split into two interest groups (Severn and Rhone) to discuss in detail how these data can be incorporated into workflows and identify gaps and priorities.

For more project details, please take a look at the project website: <https://www.satoc.eu/projects/ffsar/>

Register for the workshop here: <https://noc-events.co.uk/ffsar-coastal-workshop>

Dr. Charlie Thompson

Lecturer: Sediment Dynamics, University of Southampton

Director: Channel Coastal Observatory

National Oceanography Centre, European Way, Southampton, SO14 3ZH

+44 (0)23 8059 8473

celt1@noc.soton.ac.uk

www.coastalmonitoring.org