



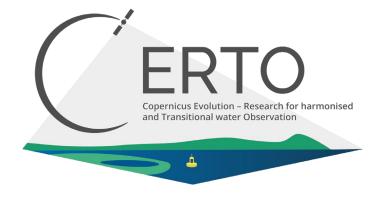


Initial Results from the Lisboat Radiometer

Stefan Simis, Steve Groom, PML Giulia Sent, Federico Ienna and Vanda Brotas, FCUL



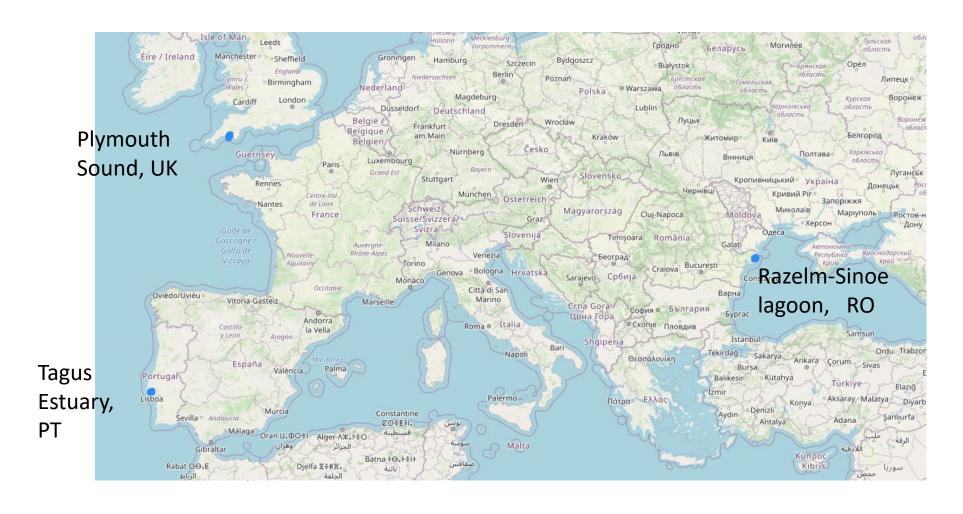








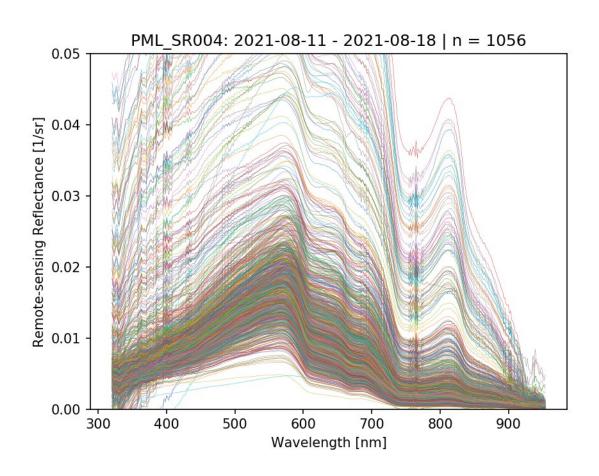
The CERTO project has a a number of radiometers in operation around Europe



Tagus estuary, Lisbon, Portugal Arroios Alfragide Barcarena São Sebastião da Pedreira Penha de França Carnaxide Santo Condestável Queijas Principe Real Mouraria inda-a-Velha Alfama São Francisco São Bento Xavier Lisboa Santos-o-Velho Ajuda Alcântara Cruz Quebrada Belém Solar-Tracking Radiometry Platform (So-Rad) with TriOS Ramses sensors on Lisboat. 1127 observations successfully Almada processed to remote-sensing Pragal Trafaria reflectance using *fingerprint* Raposo Cova da Piedade algorithm, excluding stationary observations, during one week (11-- Monte de Caparica Base Naval Sobreda 18 August 2021) de Lisboa

Tagus estuary, Lisbon, Portugal

Observations 11 to 18 August 2021 on reflectance



Remote-sensing Reflectance observations with additional quality control (n=1056):

- Peak observed between 500 and 650 nm
- Rrs amplitude between -0.005 and 0.2 sr⁻¹

Tagus estuary, Lisbon, Portugal

Satellite image 12 August 2021 – Sentinel 2 – "true colour"

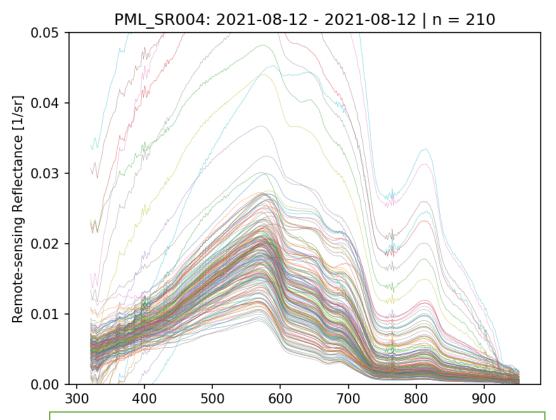


Tagus estuary, Lisbon, Portugal

Observations 12 August 2021







Solar-Tracking Radiometry Platform (So-Rad) with TriOS Ramses sensors on *Lisboat*.

12th August 2021:

218 observations processed to remote-sensing reflectance, excluding stationary observations.