

OceaniX-Melody Sandbox: Deep learning and Data Assimilation
April 9th 10.00am-12.30pm

Zoom link:

<https://imt-atlantique.zoom.us/j/91623490314?pwd=MmpGaVVUdGxCWkRUQ25MZ0JQaFFJZz09>

Preliminary program:

- 4DVarNet@OceaniX: current status and new applications (**Ronan F.**)
- Data Assimilation for SSH mapping (**Emmanuel C.**)
- SSH Interpolation Data Challenge (**Quentin F.**)
- Learning physical parameterizations using DA and EM (**Pierre T.**)
- Discussion on end-to-end learning, DA and uncertainty propagation (**Said O.**)

Objectives :

- Share the recent progress/thoughts on DL-ML and DA
- Update the definition of Melody case-study in relation to WP3 (SWOT)
- Discuss future work and associated collaborations
- Discuss case studies, beyond SSH interpolation