

Context & Objectives

Validation, FRM protocols & procedures	Land watersSea IceLand IceImage: Sea Construction of the sentinel-3 Altimetry Land products with Fiducial Reference Beasurements (FRMs)Image: Sea Construction of the Sentinel-3 Altimetry Land products with Fiducial Reference Beasurements (FRMs)	ScalSIT
Roadmap for S3 STM Land FRM operational provision	 Identify existing networks and assess the needs for permanent sensors and campaigns. Prepare a roadmap for the operational provision of FRM data to support the Sentinel-3 Altimetry Land validation 	Determines the intersections between Water mask and satellite orbits
FRM campaign preparation and execution	 Deploy and operate in-situ sensors, perform dedicated campaigns to collect FRM data Provide FRM data to the Copernicus Sentinel-3 STM validation teams 	 Developped as a QGIS plugin First version available
FRM Data Hub	 Web site, for a centralized access to FRM measurements Fully characterized and documented FRM processing and measurements 	 Final version : mid-2022 Online user support
23/05/22 NOV-FE-0899-SL-0		SYRTE Control PSL # 1



SCalSIT is a tool to simplify the identification of potential in-situ Cal/Val sites over Inland Water Surfaces

- > Foster the synergetic identification of sites with a cross-processing of the satellite orbit versus ground data
 - Land/Water mask;
 - Sentinel-3 theoretical orbit or orbit products;
 - Identification of water area crossing, satellite tracks cross over water
 - Easy to use, intuitive.
- > QGIS plugin
- > First version available
- > Final version : mid-2022
- > Online user support

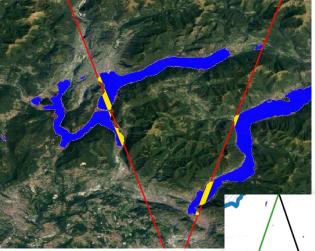
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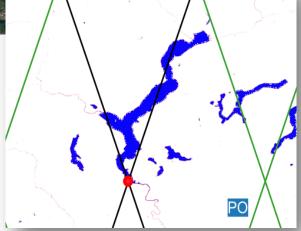
Define Satellite tracks, Land water masks, AOI, choose your algo mode (full/cross-over) => SCalSIT identifies potential in-situ Cal/Val sites over Inland Water Surfaces !

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Full mode : all intersection between satellite track and water body

Cross over mode : Cross of several satellite tracks near a water body



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Thanks for your attention !

Interested by more info or by a demo?

Contact : <u>St3TART@noveltis.fr</u> Website : <u>https://sentinel3-st3tart.noveltis.fr/</u>

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