

S6VT VALIDATION TEAM CALL PROPOSAL SUBMISSION

Please fill-in all the following fields and upload the document on-line as part of a proposal submission at: <https://earth.esa.int/aos/S6VT>

Note: while submitting the proposal on-line, information about project title, contact details of the team and the executive summary of the project will have to be provided also through a set of on-line forms. *Only on-line submissions will be considered for this call.*

Validation Project Title and acronym (less than 255 characters)

Short title and acronym if relevant. *Note: this information will have to be copy-pasted in the online forms (section "Cover Page")*

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S6VT Lead team member name and address

Contact details (Firstname – Lastname – Affiliation – Email) of the S6VT Lead team member *Note: this information will have to be copy-pasted in the online forms (section "Cover Page")*

Firstname	Lastname	Affiliation	Country	Email

Support team-member names and addresses

Information (Firstname – Lastname – Affiliation - Email) about each person involved in the proposal *Note: this information will have to be copy-pasted in the online forms (section "Cover Page")*

Firstname	Lastname	Affiliation	Country	Email

Description of the team

Summary of the team composition and its strength.

S6VT Sub group

Please select the S6VT sub-group targeted by the proposal.

S6VT Ocean Altimetry S6VT Microwave Radiometry S6VT Land Altimetry S6VT Precise Orbit Determination

Executive Summary of activity (less than 500 characters)

Include: problem to be addressed, team description, approach taken and expected outcomes. Note: this information will have to be copy-pasted in the online forms (section "Cover Page")

Introduction and Background

Relevance of the proposed activity to the objectives of Sentinel-6 validation and/or retrieval activity

Statement of the validation activity

Clear statement of the problems to be addressed by the team in relation to Sentinel-6 verification and validation. The statements shall include clear links to relevant Sentinel-6 requirements expressed in the Sentinel-6 End User Requirements Document (EURD)

Aim and Objectives

Single aim statement and supporting objectives to reach the aim

Scientific Approach

Overview of the top-level approach taken

Scientific Methodology

Describe the proposed methodology to perform the work (e.g., field experiments, availability of and interdependencies from other data sources, infrastructures, etc). Emphasis should be placed on the independent character of the validation.

Geographic Location

Justification and description of the proposed location(s), sufficient details of target areas to be provided to support the extraction of these areas by the Sentinel-6 Ground Segment.

Sentinel-6 Data Requirements

Members of the S6VT will have access to a range of Jason-CS/Sentinel-6 data products, according to a ramp-up scenario following the launch and early operations phase. During phase E1 and phase E2 (exploitation phase), data access will be guaranteed to S6VT members through agreed mechanisms.

Selected S6VT members will get privileged access to Sentinel-6 data during the Commissioning phase in order to support the project activities performed by the Sentinel-6 partners. They will not be allowed to release any Sentinel-6 data or analysis thereof or publish their work before the announced date of public dissemination of the products to all users.

In some cases, a proposed activity may require access to other, third party data whose supply is beyond the capability of the proposers. Provision of EUMETSAT and ESA third party mission data is foreseen within the existing constraints and data policy restrictions. While the Agencies cannot generally undertake to supply all data, proposers are requested to identify such data, so that, during the planning phase, the S6VT and Agencies may, where possible, provide support for data access.

As part of the proposal submission, applicants are required to indicate their needs for satellite data products. S6VT members may be requested to refine these data requirements as part of the planning activity taking account the relevant operational constraints.

The baseline of products to be made available to the S6VT members is provided in the Table below and data volumes can be found in the relevant Reference Documents available on the [S6VT website](#)

Product	Latency	Format	Data Access	Requested
ALT Low Resolution (LRM)	NRT	BUFR	L2	
		NetCDF	L2	
	STC	NetCDF	L1b, L2	
	NTC	NetCDF	L1b, L2	
ALT High Resolution (SAR)	NRT	BUFR	L2	
		NetCDF	L2	
	STC	NetCDF	L1a, L1b, L2	
	NTC	NetCDF	L1a, L1b, L2	
MWR	NRT	NetCDF	L2	
	STC	NetCDF	L2	
	NTC	NetCDF	L2	

Note: ALT Level 2 NetCDF products: reduced (1-Hz only) and standard (1-Hz and 20-Hz)

Third Party Mission (TPM) Data required

Access TPM data products, area of interest and timeline (rough order of data volume to be provided)

Satellite/Product	AOI (Name, coordinates and extent in Km)	Timeline (From –To)	Volume

Other EO data

Please list any other EO data you plan to use

Validation Data to be collected

Summary of in situ and other validation data that will be collected during the project

Expected Results and outcomes from the work

Clear statements of expected outcomes from the activity

Planning and Reporting

Summary overview of planning and reporting for the project

Proposed schedule

Please provide a schedule for the project starting before the Mission launch

Availability of (e.g. national) funding

Please describe funding that you plan to use for this activity

Availability of supporting infrastructure and data sources

Please describe supporting infrastructures/groups and data

Risk analysis

Please provide a top-level list of the critical risks to the activity

Tools

Please list any supporting tools and processing software: processors, toolboxes, on demand processing infrastructure (e.g. GPOD), network, interfaces, access to other than Sentinel-6 data for validation activities. Please list your expectations for potential tools support from ESA/EUMETSAT.

Collaborative benefit derived from participation as S6VT member

Please explain the benefits that you see to being part of the S6VT.

Feedback to Agencies

Summary of expected results to be reported to ESA and EUMETSAT on regular basis in shape of reports, cal/val data, feedback to validation meetings.