



## CALL FOR ABSTRACTS APVE Workshop II

Invites the scientific community and Arctic stakeholders to participate in the

***2nd International Arctic Products Validation & Evolution (APVE) Workshop  
Arbetets Museum, Norrköping, Sweden, 27A 28 October 2015***

See: [http://calvalportal.ceos.org/events/apveiim\\_workshop](http://calvalportal.ceos.org/events/apveiim_workshop)

### BACKGROUND

In response to strategic priorities common to all high latitude and Arctic Nations and most of which are Member States of the European Space Agency (ESA); ESA, in collaboration with the Swedish Meteorological and Hydrological Institute (SMHI), LOOKNorth (Canada) and the Canadian Space Agency (CSA) is organizing the 2<sup>nd</sup> International Workshop on Arctic Products Validation and Evolution (APVE). The APVE Workshop II will foster the development, assessment and improvement of the broad spectrum of capabilities offered by Space based Earth observation technology in response to high Latitude and Arctic stakeholders information needs addressing National, Regional, and International interests. The focus of the second of three international workshops will be on existing agency data, and modeling and simulations of future capabilities (evolution). Scientists and validation experts are provided with the opportunity to present latest results from their on going research, including the evolution of products, the development of validation processes, the inter comparison methodologies and the evolution of algorithms. The workshop will focus primarily on *optical imaging sensors*, supporting modeling and simulations with some elements of radar, from ESA missions and national missions. During this workshop results from recently reprocessed data sets will be presented and contributions for future ESA missions using existing data sets and validation infrastructures are encouraged. Participants are encouraged to submit abstracts for presentations and posters for the workshops.

### Objectives

- To review algorithms and satellite-derived products for high-latitude applications (terrestrial to coastal) using ESA historical and operational sensors, as well as ESA Third Party Missions and national datasets.
- To elaborate guidelines for generation of reference/validation data (i.e. from high resolution satellite images, in-situ data, etc.).
- To elaborate concepts, protocols and guidelines for inter-comparison and validation of EO products at high-latitudes and the Arctic.
- To review and discuss uncertainty characterization of satellite products at high-latitude and Arctic.

### Expected outcomes

- Description of existing algorithms and high-latitude products as well as anticipated challenges and product evolutions.
- Concept, protocols and procedures for validating and inter-comparing products.
- Definition of key regions and key periods for validation and quality assessment.
- Procedures for generating reference data for product inter-comparisons.
- Coordinated plan of validation activities and inter-comparison.



#### Four APVE workshop II sessions:

1. Land Session
2. Lake & Coastal-zones Session
3. Cryosphere Session
4. Atmosphere Session

#### ABSTRACT SUBMISSION

Abstracts should be written in plain text on one A4 page word template following the instructions and to be sent to Ms. Françoise Labonté directly to [francoise.labonte@esa.int](mailto:francoise.labonte@esa.int) and submitted before **26 June 2015**. Authors may decide to submit their abstract with a preference either for a poster presentation or for an oral presentation. However, there is no guarantee that an oral preference can be realized.

Electronic registration and abstract submission template is at <https://earth.esa.int/web/sppa/meetings-workshops/apve2>

#### REGISTRATION

Registration is open until **1 October 2015**. Participation at the workshop is free of charge.

Online registration at: <https://earth.esa.int/web/sppa/meetings-workshops/apve2>

Updated information is provided at: <https://earth.esa.int/web/sppa/meetings-workshops/apve2>

#### IMPORTANT DATES

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| 1st workshop announcement 20 April 2015                                       |
| Abstract submission deadline 26 June 2015                                     |
| Notification of acceptance 1 July 2015  |
| Preliminary programme 15 September 2015                                       |
| Registration to the Workshop deadline 1 October 2015                          |
| 2nd International Arctic Validation and Evolution Workshop 27-28 October 2015 |

#### ORGANISING COMMITTEE

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Ulrika Willén, SMHI (Sweden)

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#### LOCAL ORGANISERS

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#### ALL INQUIRIES

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