

# SnowPEX+ Next Steps



Thomas Nagler & SnowPEX+ Team



- Protocols for intercomparison and validation are available at <https://snowpex.enveo.at> → Documents
- Period for Validation and Intercomparison:  
**1 October 2014 – 30 September 2020 (5 years)**
- Non-public data sets (in-situ and HR snow products) provided by participants will be only used within SNOWPEX+

## Point of Contact:

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Project website: <https://snowpex.enveo.at>

Please address any questions to [snowpex@enveo.at](mailto:snowpex@enveo.at)

## **In-situ Data:**

- SWE, Snow Depth, Snow Fraction, (also snowfree information)
  - Insitu data should be provided by the participant in a specified format (sent out by SnowPEX+ team)
  - Data should be already quality checked
- 1 Mar 2021 – send confirmation on availability of your insitu data for SnowPEX+
- 15 May 2021 – provide data sets to SnowPEX+ (via ftp)

## **High Resolution Snow Products**

- Cover different environments, Sturm snow classes, seasons
  - Several algorithms used to generate the HR snow reference data sets and will be intercompared (precision)
- 15 Mar 2021 - list of LS / S2 scenes selected by SnowPEX team sent to participants operating an advanced algorithm (ca 150 – 200 scenes)
- 15 May 2021 – HR algorithm developers/owners provide HR Snow products (via ftp)

- For intercomparison of snow products and for validation with reference data
- All products can participate independent on resolution and Binary / FS, SWE / Gridded
- Products are provided by organisation in EASE2 or LatLon projection
- Daily, for the period 1.10.2014 – 30.09.2020
- Re-coding of products into SnowPEX+ digital coding: definition provided by SnowPEX+ team
- Provide Uncertainty map (if available)

15 May 2021 – participating snow products (recoded to SnowPEX+ coding) uploaded to SnowPEX+ ftp site. Access info sent to contact person given in Product summary sheet.

- 1 Mar 2021 send information on in-situ data provided for SnowPEX+ to [snowpex@enveo.at](mailto:snowpex@enveo.at)
- 15 Mar 2021 list of LS / S2 scenes sent to participants operating an advanced algorithm (ca 150 – 200 scenes)
- 15 May 2021
  - provide in-situ data sets to SnowPEX+ (via ftp)
  - upload of HR Snow products (via ftp)
  - participating snow products (recoded to SnowPEX+ coding) uploaded to SnowPEX+ ftp site. Access info sent to contact person given in product summary sheet.
- Jun 2021 SnowPEX+ Virtual Meeting-2 on Intercomparison and Validation Protocols
- Q3/Q4 2021 ISSPI-3 WS: discussion of first validation and intercomparison results. If allowed by COVID restrictions held as physical meeting, otherwise virtually.



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