



Status of activities

WG 1: Physical Characterization of Snow Properties

WG2: Instrument and method evaluation

WG meeting
18-19 April 2018
Tallinn, Estonia

Leena Leppänen



Deliverables related to WG1-2

- D1** Review report on identifying and assessing the essential snow variables.
- D2** Summary of physical characterization and harmonized definition of snow variables.
- D3** Priority assessment of snow characteristics for various applications.
- D4** Handbook on standardized methods for snow data quality control.
- D5** Assessment of measurement errors and inter-calibration of measurement techniques.
- D9** Report on spatial and temporal representativeness errors of snow measurements for DA in NWP and hydrological models.
- D11** Measurement reports and manuals to standardize measurement protocols will be issued based on the field campaigns results.
- D12** Two topical workshops for addressing the different focuses of the Action (1. Emphasis on characterization and measurements, 2. Emphasis on snow data assimilation in NWP and hydrology models).
- D13** Training school on snow measurements and DA.
- D14** Each of the three working groups will produce a review paper by the end of the Action.



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Based on questionnaire

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Do we need separate paper?

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Next steps

- D1-3: Questionnaire related manuscript will be sent to review by the end of April → Writing the deliverables
- D5: Writing the deliverable
- D11: HarmoSnow chapter in booklet by 26 April and field campaign related manuscript will be finished by the end of Action → Writing the deliverable

- Writing the deliverables:
 - ½ - 1 page + attachment

- D14: Is it enough to have two manuscripts (questionnaire and field campaign)?
- D4: Handbook on data quality control???



Draft of D1 deliverable

Title: D1 Review report on identifying and assessing the essential snow variables

Overview of the deliverable, actions and results:

Essential snow variables are identified by the questionnaire (more details about questionnaire). The mostly measured variables are macrostructural snow properties; snow depth and snow water equivalent (and density). Information about assessing of the essential snow variables is collected also in the questionnaire. Snow information is used mainly for hydrological, meteorological and climatological purposes. The results of the questionnaire are presented in the attached (submitted) manuscript.



Proposed activities for GP5

- Meeting to finish field campaign related manuscript
 - Date: August – September (depending on Nacho's schedule)
 - 2-3 days
 - For 4-6 persons (Leena, Nacho, Ladislav...)
 - Location: easy to access
- Workshop on snow measurements/instrumentation
 - To present COST activities to community (dissemination activity)
 - Date: October (note ISSW)
 - 2 days
 - For ~60 persons
 - Location: where COST has not been