

## PowerEdge

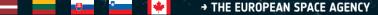
## ESA COMMERCIALISATION GATEWAY

SPACE FOR BUSINESS BUSINESS FOR SPACE

The new standard for physical snow storage measurements

Frano Cetinic Co-founder/CEO

15.04.2024





>50 % of water for power production is stored as snow



# Accurate snow storage data is key information for production optimization, flood risk assessments, power price forecasting etc.



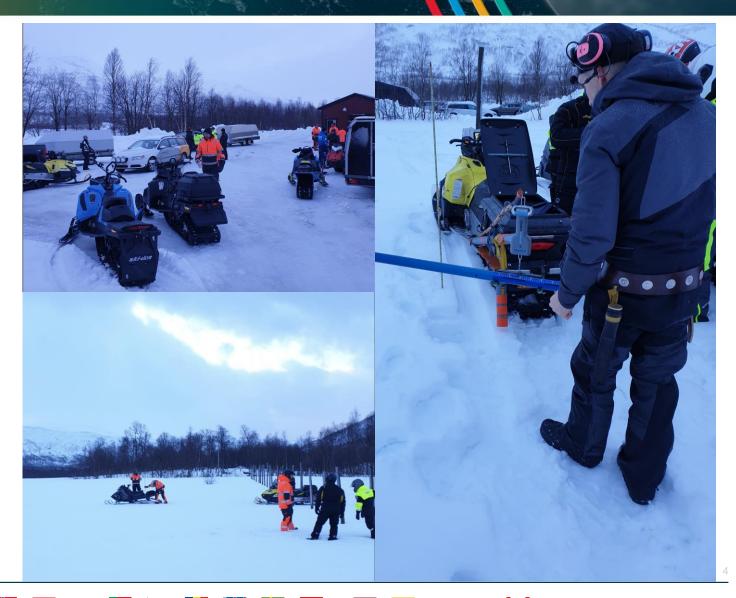




#### Measuring snow covering large areas is challenging!

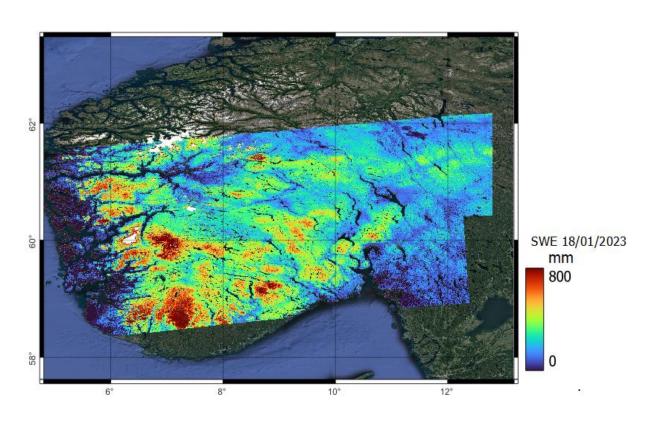


- Existing methods;
  - Demand a lot of manpower
  - Weather dependent
  - Costly
- Modelling generates uncertainty
  - Point/line measurements only for small sections of a large basin



## PowerEdge – a near real time, high resolution, snow storage product based on radar measurements from EO satellites





- Solution based on years of R&D
  - Strategic acquisitions of L-band radar measurements
  - Collaboration with largest hydropower producers in Norway and Sweden
- Solution key points;
  - Multiple updates during snow accumulation period
  - No need for field work nor physical installations
  - Resolution 50m x 50m
    - 400 times (!) higher resolution to existing solutions in the market.
- On-going demonstrations as part of ESA ARTES BASS DEMO



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