



METHOD:

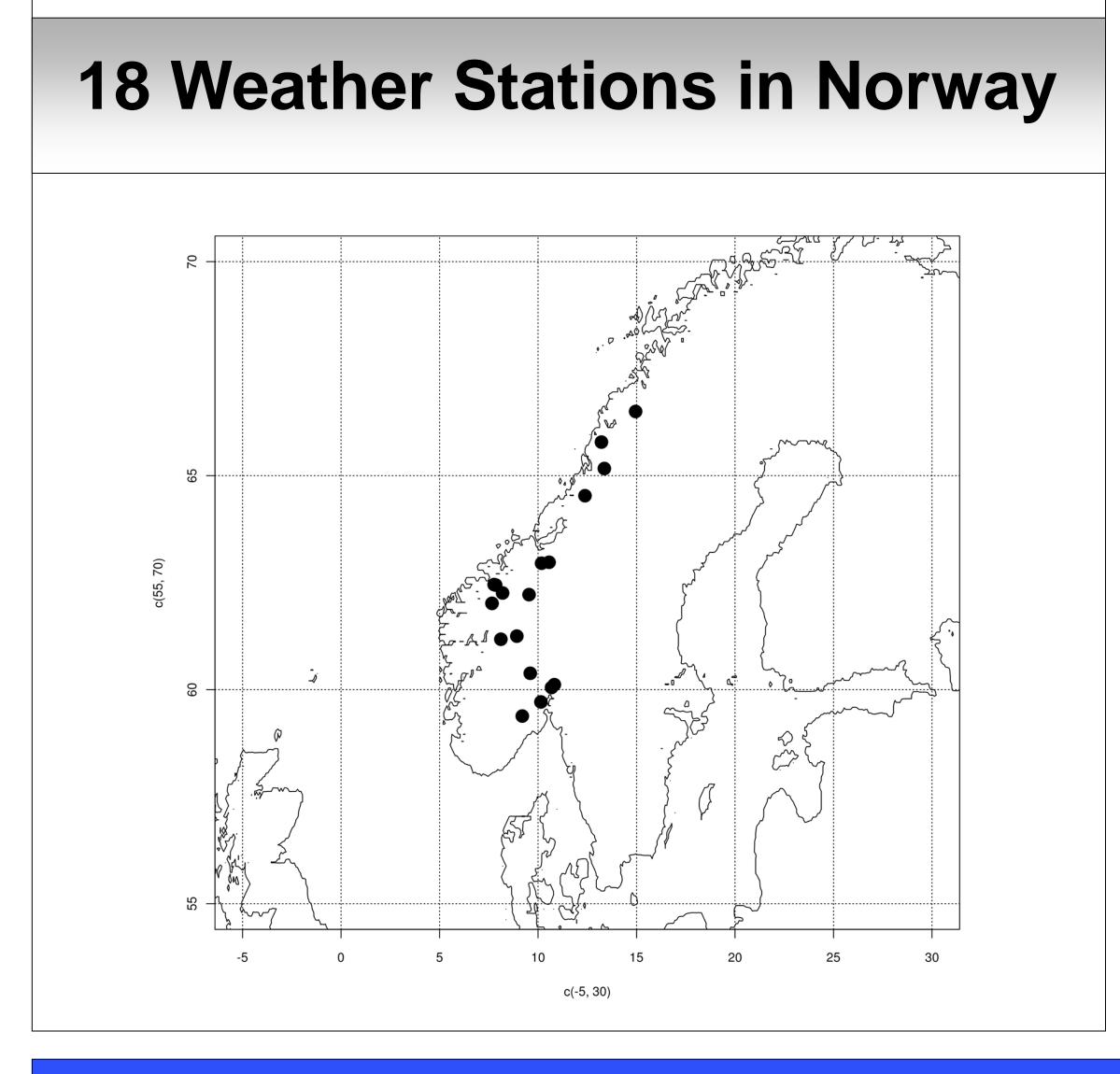
- OFFLINE runs of JULES land surface model - SINGLE point modelling

DATASET:

- **OBSERVATIONS** from weather stations*
- 2. FORECASTS from Met **Office Unified Model** (MetUM)

*Hourly observations of at least precipitation and temperature.

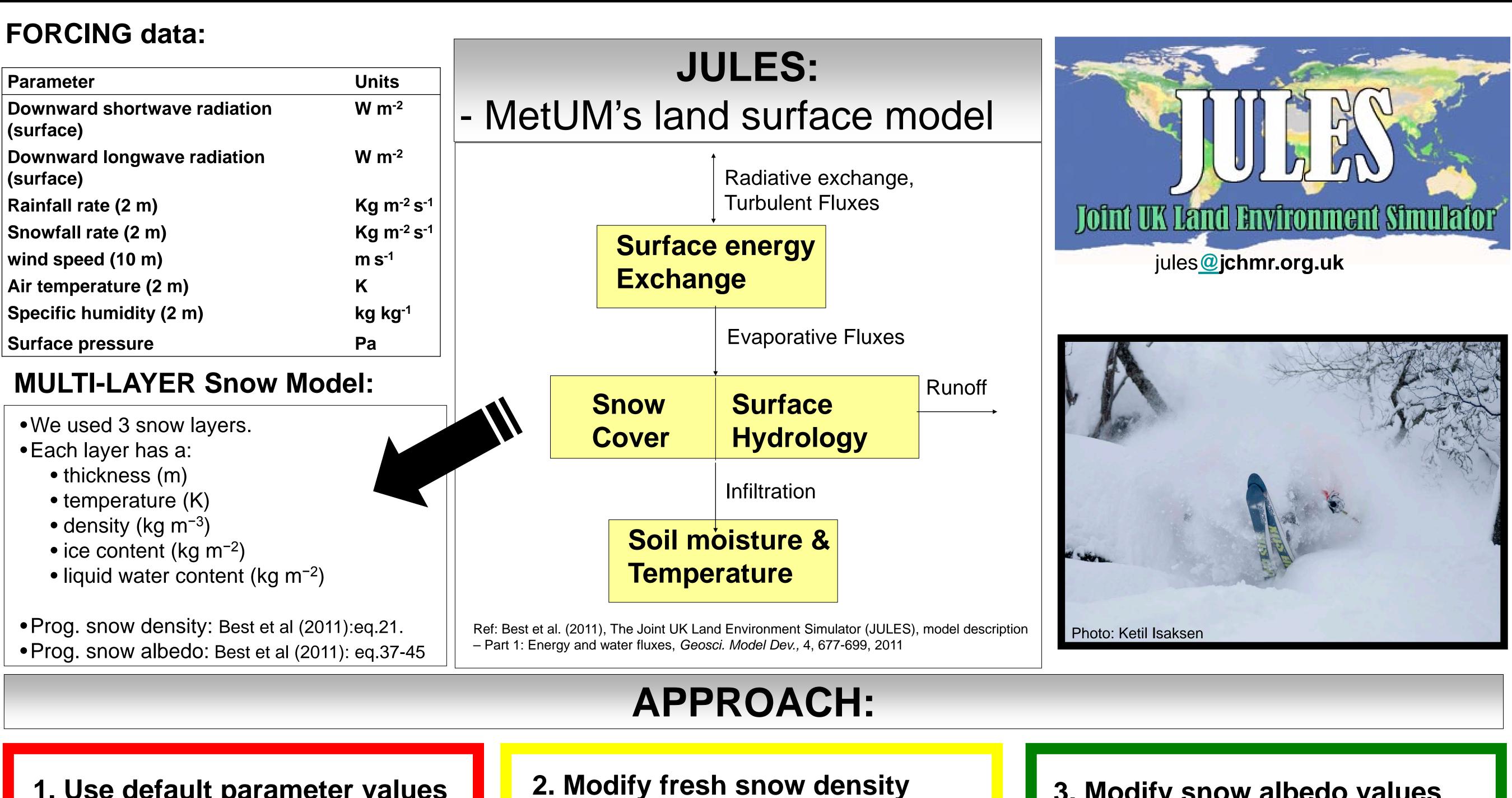
Replace missing parameters with short-term forecasts from MetUM



Evaluation of JULES multi-layer snow scheme for Norwegian snow conditions

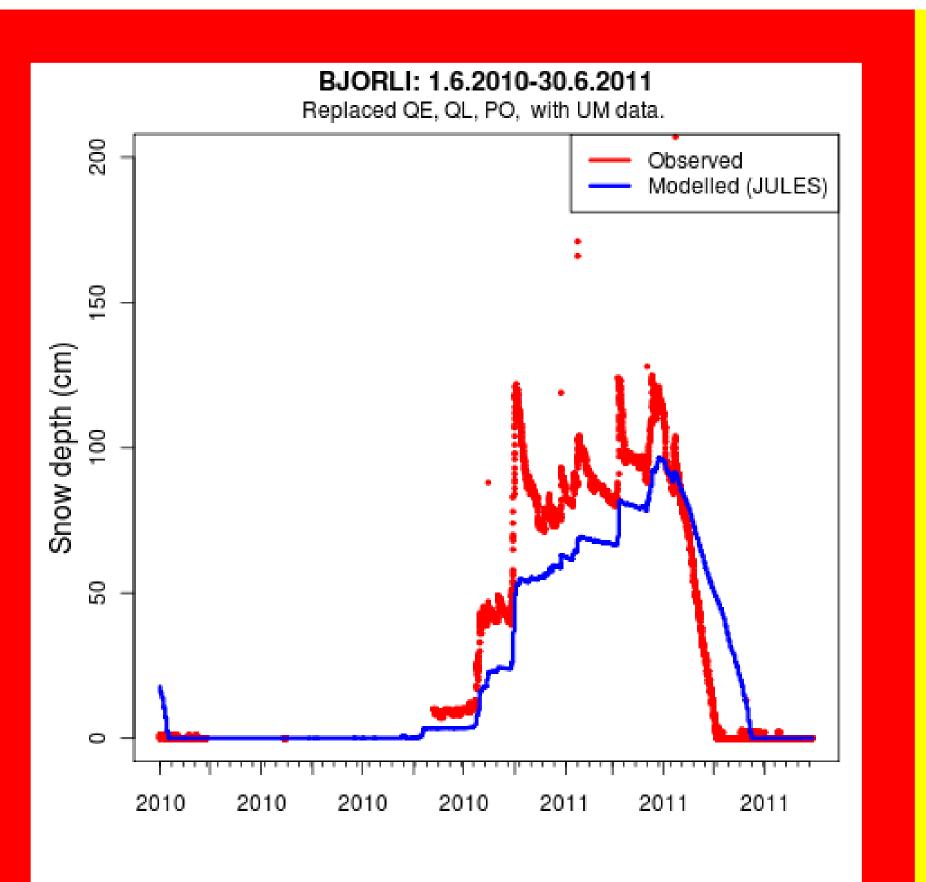
Dagrun Vikhamar-Schuler^{1*}, John M. Edwards², Gabriel Rooney², Jørn Kristiansen¹ The Norwegian Meteorological Institute, Research and Development Department, 0313 Oslo, Norway ² Met Office, FitzRoy Road, Exeter, EX1 3PB, UK

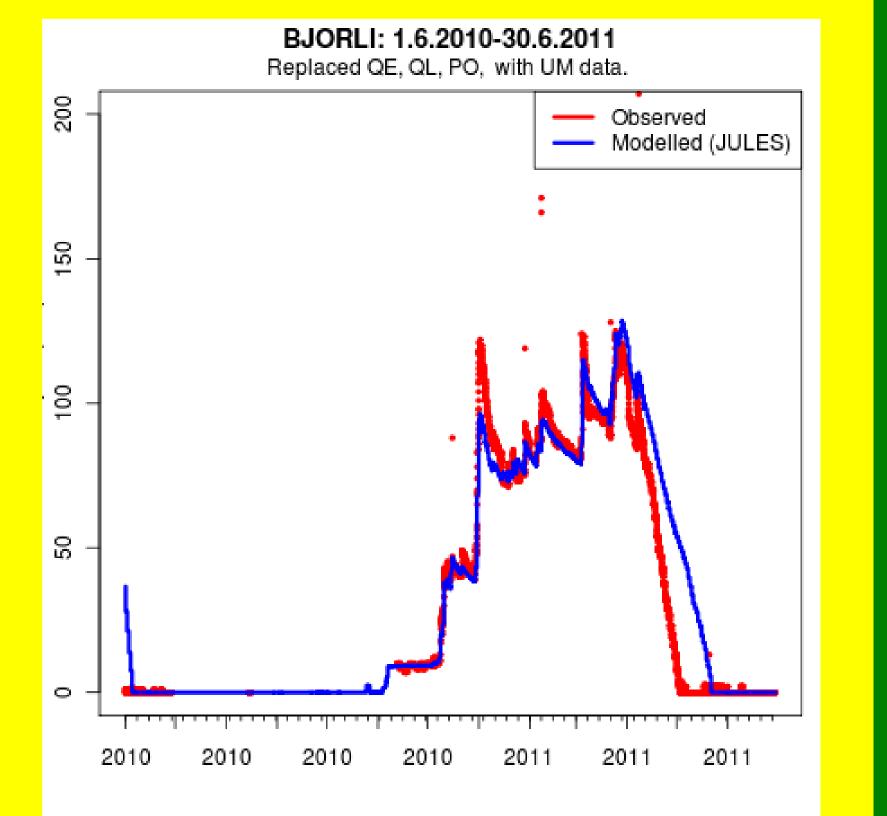
* Correspondence to:dagrun@met.no



. Use default parameter values Fresh snow density: 250 kg m⁻³ Fresh snow albedo: 0.98 (visible), 0.7 (NIR) 2. Modify fresh snow density Fresh snow density: 100 kg m⁻³ Fresh snow albedo: 0.98 (visible), 0.7 (NIR)

MODELED and OBSERVED Snow Depth for BJORLI Station: 2010-2011





3. Modify snow albedo values Fresh snow density: 100 kg m⁻³ Fresh snow albedo: 0.8 (visible), 0.5 (NIR)

