Numerical Weather Modelling of Extreme Events in Latvia 2012 Using WRF

T. Sile, J. Sennikovs, U. Bethers University of Latvia email: tija.sile@lu.lv



EIROPAS REĢIONĀLĀS ATTĪSTĪBAS FONDS

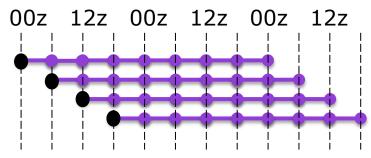


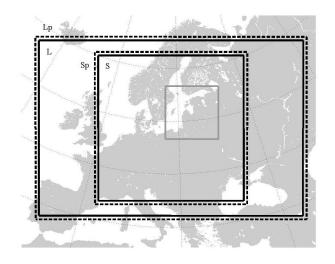




EIROPAS SAVIENĪBA

- Two extreme weather events in 2012 were selected for analysis:
  - Intensive summertime precipitation
  - Cyclogenesis bringing first snowstorm of the season
- Numerical modeling using
  - Weather Research and Forecast (WRF) model,
  - ERA-Interim boundary conditions and initial conditions,
  - myOcean sea surface temperature
- Assessing the influence of
  - Calculation domains
  - Initialization times





## How well can we describe these events using modelling?

