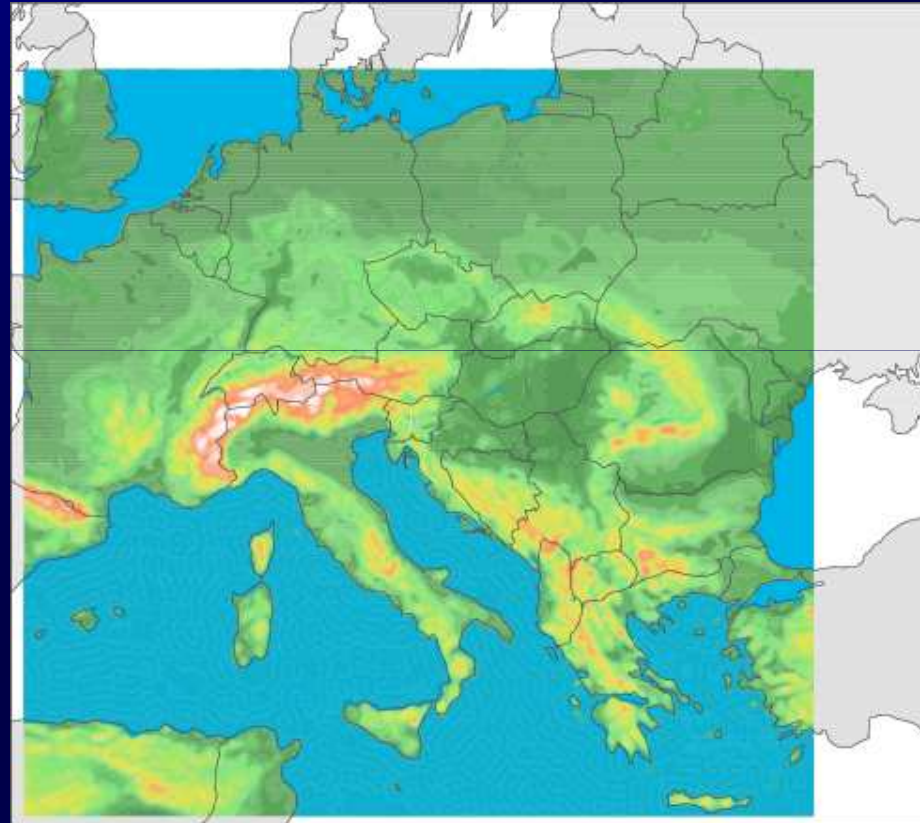

Limited Area Modeling in Slovenia

Neva Pristov

ARSO

The operational ALADIN

Operational: 9.5 km, 4 times per day (72,60,72,48)



Parallel suite: 4.4 km, 2 times per day (54)

Developments

Experimental assimilation cycle:

- **4.4 km, 43 vertical levels, 6 h analysis frequency, ensemble B matrix (downscaled ARPEGE)**
- **3DVAR upper air assimilation**
- **CANARI surface analysis**
- **Observations: OPLACE and local non-GTS data**

Research

- **Use of LandSAF retrievals for surface analysis**
 - **a simple Kalman filter to assimilate albedo**
- **Influence of local orography in a flash flood case**
 - **modifying orography**