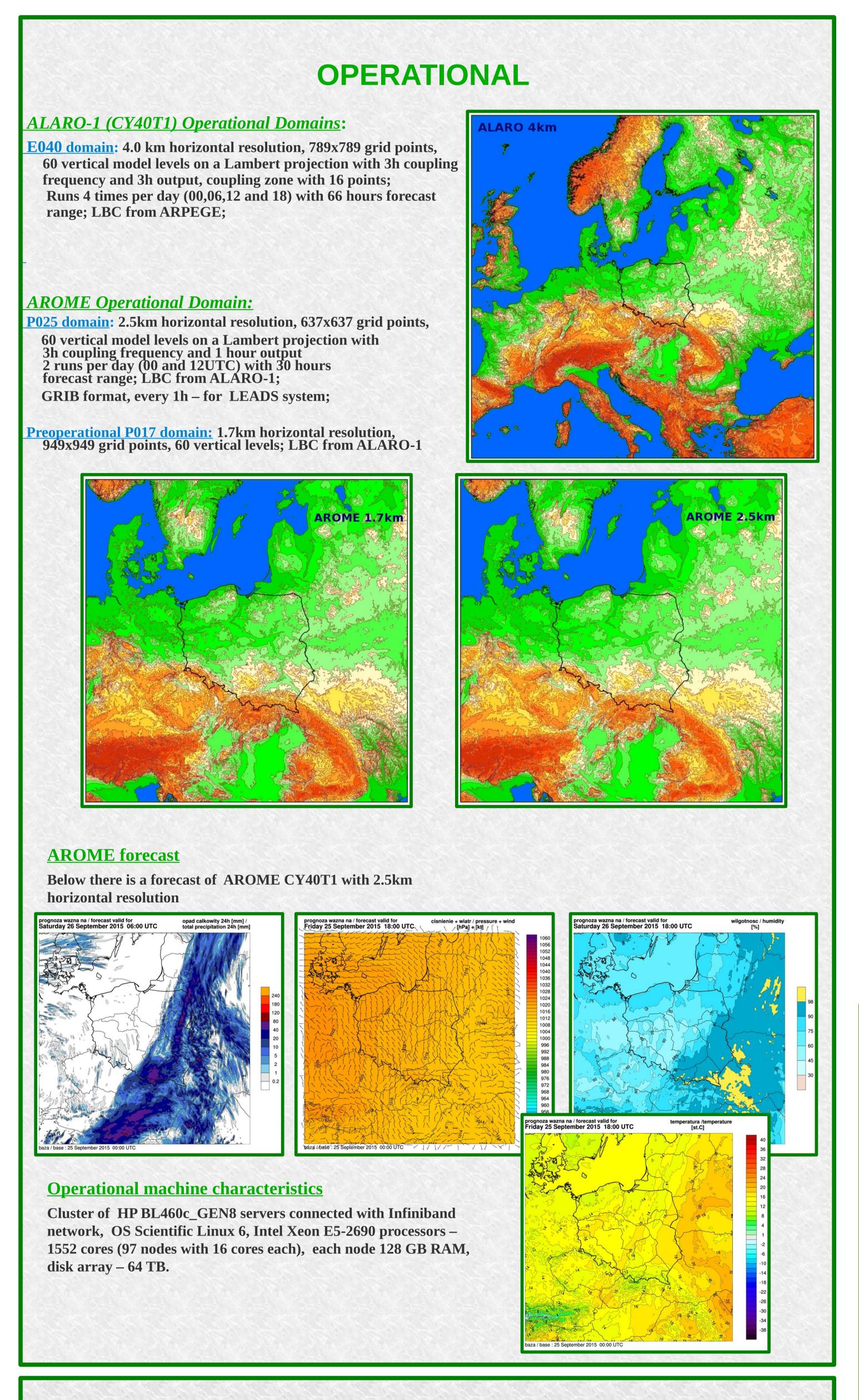
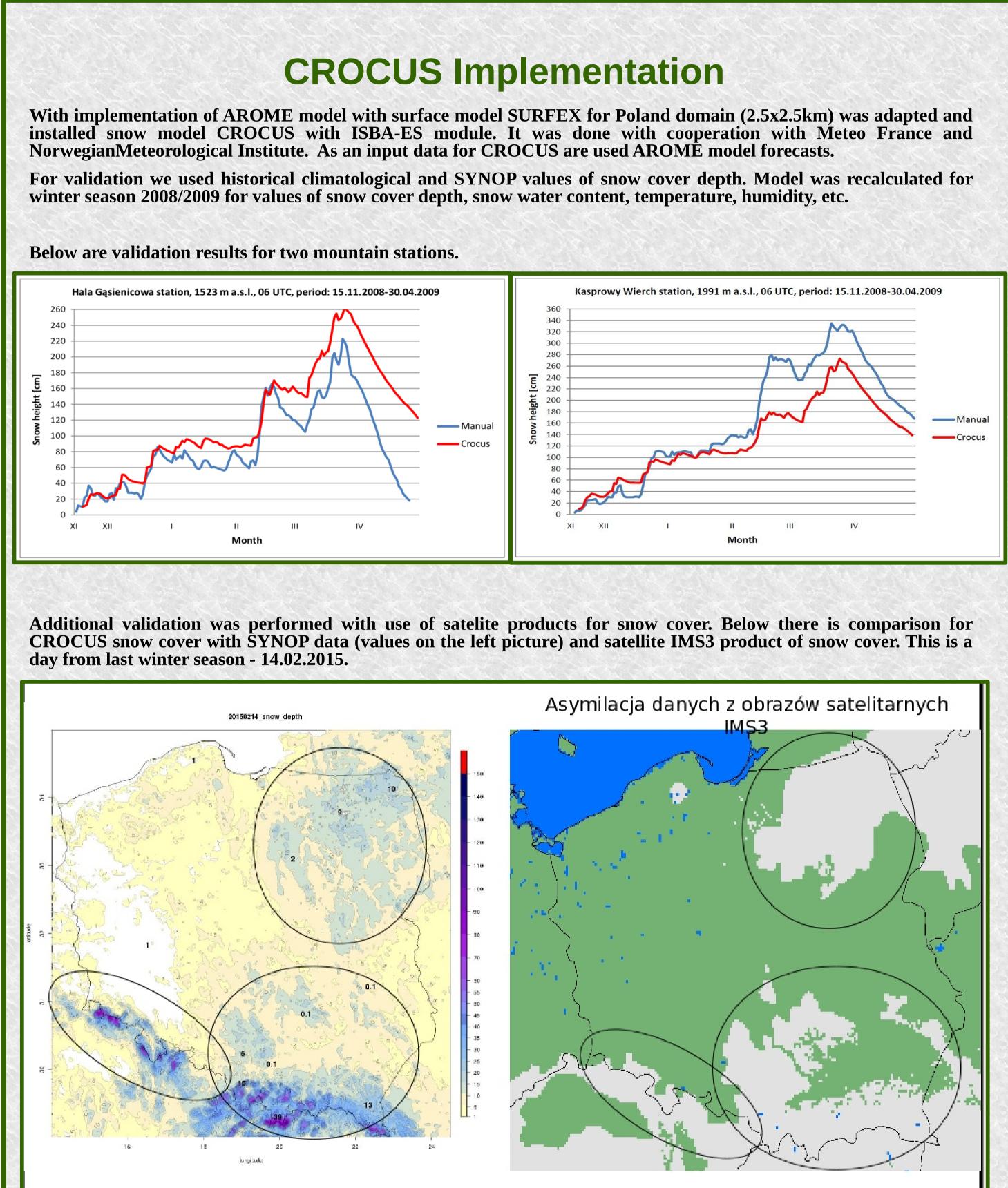


## ALADIN in Poland

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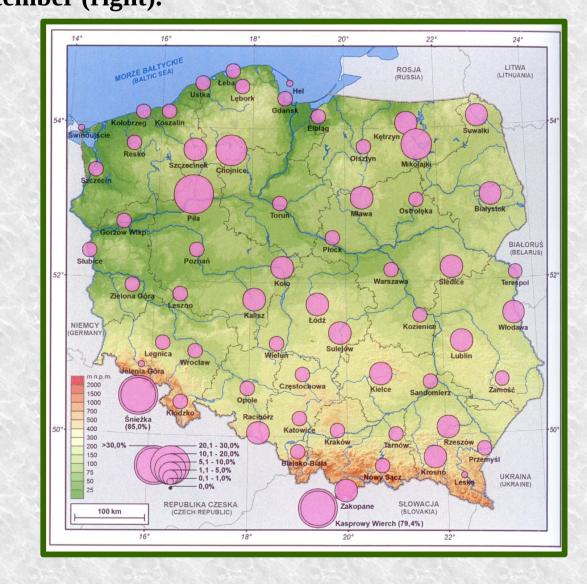
## ISOK - Meteorological hazard maps

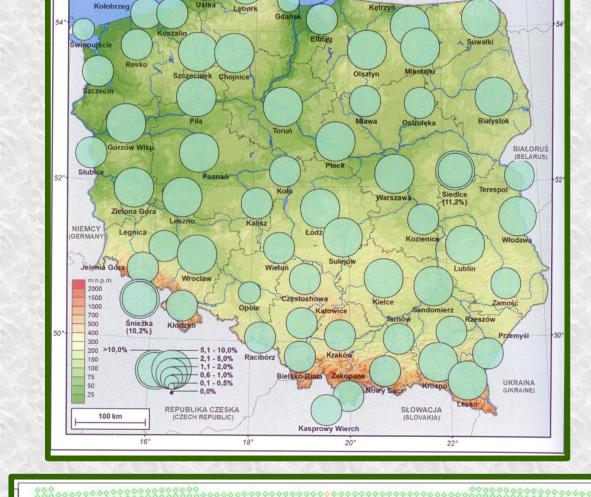
Within an ISOK Project (Polish acronym of IT System for Country Protection against extreme hazards) we cooperate with different departaments of IMWM to develope a system of national protection, which includes protection against floods, identification and constant warning against extreme meteorological phenomena and technological (synergistic) events. Forecasting charts, updated twice a day and constructed on the basis of a ALARO-1 model and developed algorithms provide information on the current meteorological hazards (for the next 12, 24 and 48 hours).

Meteorological hazard maps are combination of recent model forecast and historical maps of spatial diversity of extreme weather phenomena in Poland. Additionally, in the case of temperature and precipitation maps, the historocal maps served as the basis for determining hazard tresholds in the operational charts.

Operational maps are for eight meteorological elements and phenomena as: temperature extremes, intensive rainfalls, snow cover, strong winds, thunderstorms with hail, fog, rime ice, and glaze ice.

Below are two historical maps of occurrence probability of a day with rime ice in February (left) and glaze ice in December (right).





On the right side there is an example raw map of degree fo storm hazard (for 25.07.2014) — which is a combination of ALARO model forecast and historical occurence probability of storm with hail.

Final maps and web interface are in developement – in the cooperation with other IT services.

