



# Experiences with ALARO-0 in Austria

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**ZAMG**  
Zentralanstalt für  
Meteorologie und  
Geodynamik

# Content



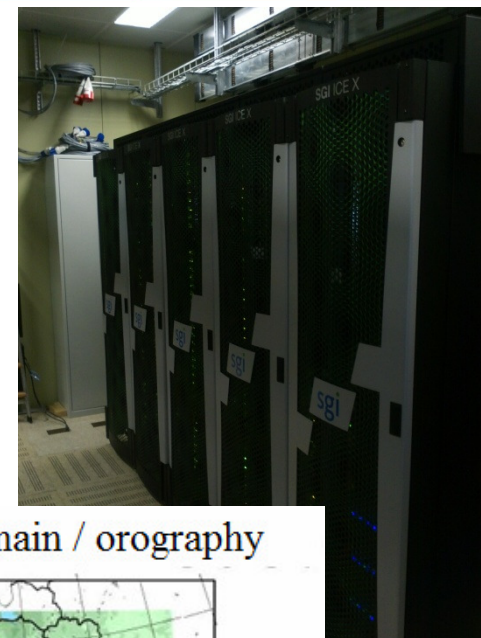
AROME  
15.05.2014

1. ALARO implementations at ZAMG
2. Verification, feedback, case studies and comparison with AROME
3. Outlook

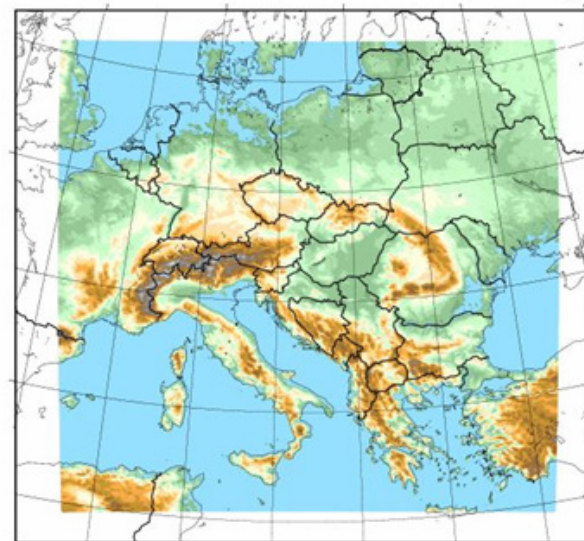
# Operational model ALARO5



<b>Horizontal resolution</b>	4.8 km (600x540)
<b>Vertical resolution</b>	60 Levels
<b>Runs / day</b>	4 (00,06,12,18 UTC)
<b>Forecast Range</b>	72h
<b>Output-Frequency</b>	1/h
<b>Model time step</b>	180sec
<b>Coupling model</b>	IFS (lagged)
<b>Coupling update</b>	3h
<b>Assimilation</b>	surface (opt. Interpolation)



ALARO5-AUSTRIA domain / orography



# “ALARO 4 Yeti”



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<b>Horizontal resolution</b>	3.8 km (960x864)
<b>Vertical resolution</b>	60 Levels
<b>Runs / day</b>	1 (00 UTC)
<b>Forecast Range</b>	72h
<b>Output-Frequency</b>	1/h
<b>Model time step</b>	180sec
<b>Coupling model</b>	IFS
<b>Coupling update</b>	3h
<b>Assimilation</b>	none



- idea: support forecasters consulting expeditions in Himalaya, Karakorum, Caucasus, etc.
- NWP “playground” in extreme orographical conditions
- no assimilation done yet
- rather pour data basis for physiographic fields
- expectation: regular model run without crash already success?

