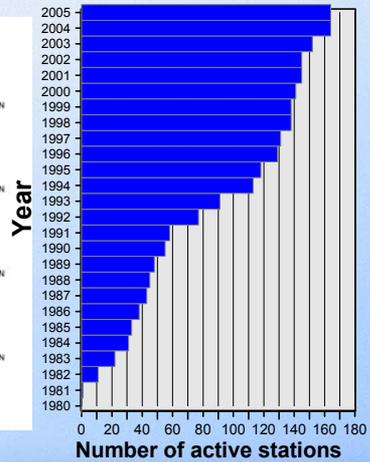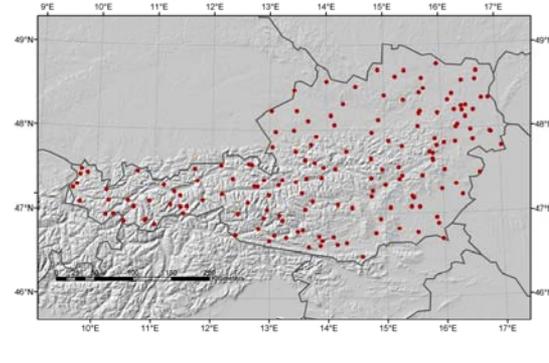# Austria

and the

European Regional Reanalysis Project Initiative

Overview

- **Austria's interest in contributing to the EURRA project initiative**

- **Non GTS – datasets**
  - **Operational**
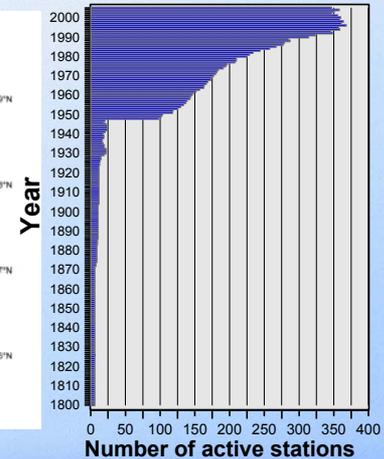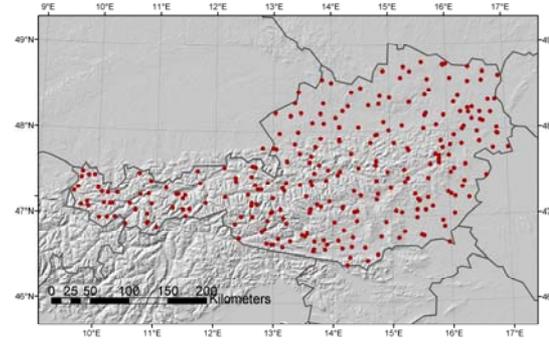 - **Project related data sets**

- **Expertise**

TAWES 163 stations, 10 min temporal resolution (CIMG)

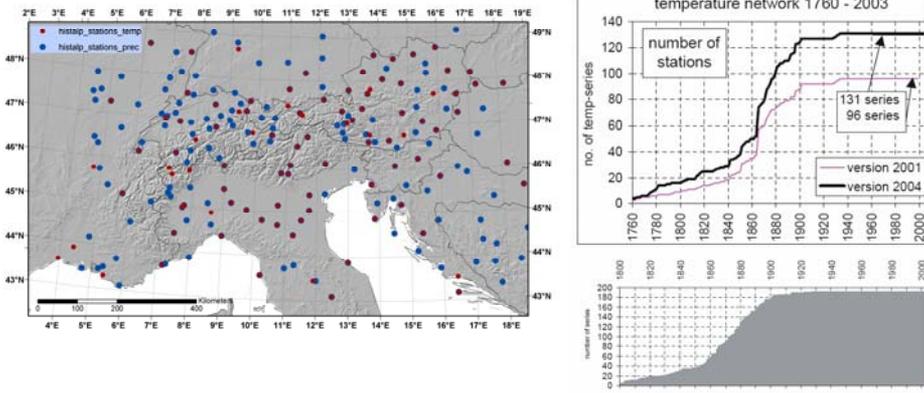Austrian automatic weather station network, active 2004

Climate station network, about 300 stations, 3 t/day, hourly (CIMG)

Austrian climate station network, active 2004

HISTALP, monthly, long hom, temp (131), prec (192), cloud (66), sun (55), air pr (72) (CIMG)

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More data sets from special projects

Temperature, long term mean 1961 – 1990, Alps, 1700 stations, ECSN project

Daily temperature (maximum, minimum, mean), precipitation and snow height, 70 Austrian stations. Quality checked, but not checked for inhomogeneities. 1951 – 2000. STARTCLIM project

Radiosonde data, CALRAS for Alps and global data set University of Vienna, IMG, PhD Thesis Christoph Häberli and Austrian Science Foundation project of Leo Haimberger

Phenological data set, COST Action 725 'Establishing a European Phenological Data Platform for Climatological Applications'

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Expertise, LAM, upscaling, downscaling, validation, …

Operational
ALADIN group at CIMG

Projects
MM5 for short periods at CIMG, wind field
ALADIN climate version and MM5, short periods ERA40, future climate scenarios

Statistical upscaling/downscaling (CIMG)
Upscaling from station time series with daily resolution to a high resolution grid (1 km) in complex terrain with various techniques, validation of regional model runs over Austria
Downscaling from model grid to station coordinates (Benestad)

Expertise, LAM, upscaling, downscaling, …

ALP-IMP, 5th EC frame work project 'Multi-centennial climate variability in the Alps based on Instrumental data, Model simulations and Proxy data'

• **10' gridded prec dataset for GAR, monthly, 1800 - 2003**

• **Validation of LAM results: REMO model results (1957 – 1999, 1/6° resolution) over the GAR are compared with observations on a monthly basis, 1971 - 1999.**