



The climate in the Venetian and North Adriatic region: variability, trends and change

workshop

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TOPIC T1. Historical climatology and past climate

Regional climate reconstruction, trends and variability in the past 200 years

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Short abstract:

Together with more than 20 data providers in the region, the Central Institute for Meteorology and Geodynamics in Vienna has created and maintains a longterm, spatially dense and quality improved (homogenised, outlier corrected and gap filled) multiple (7 climate elements) climate databank called HISTALP. HISTALP covers the “greater Alpine region” (4 to 19degE, 43 to 49 deg N) and thus holds also information for the deleted Venice and the surrounding region.

After some remarks on data quality issues and possible solutions (including a recently performed elimination of a systematic bias in the early temperature series) the contribution is going to discuss some principal features of long term climate trends in Venice and the “terra ferma”, spatial similarities to larger regions, co-evolutions of different climate elements, high-frequent versus low frequent evolution of climate (trends vs. variability) over the past two centuries.

Finally some statements on what we can learn from the past to better understand climate variability will be given – thus using the analysis of past climate to set the expected oncoming deleted climate evolution into the frame of climate’s past development.