

## Shear related radar-based severe storm climatology for Austrian complex orography

## strong deep-layer shear



### weak deep-layer shear



5 year frequency distribution of maximum projected radar reflectivity  $ZH \ge 54 \text{ dBZ}$  for low CAPE environment. Strong (upper panel) vs. weak (lower panel) deep-layer vertical shear classification are shown



# Austrian new dual polarized C-band weather radar network for aeronautical meteorology – recent projects

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