Fig. S1: Land cover in the study area (data base: Karra et al. 2021)
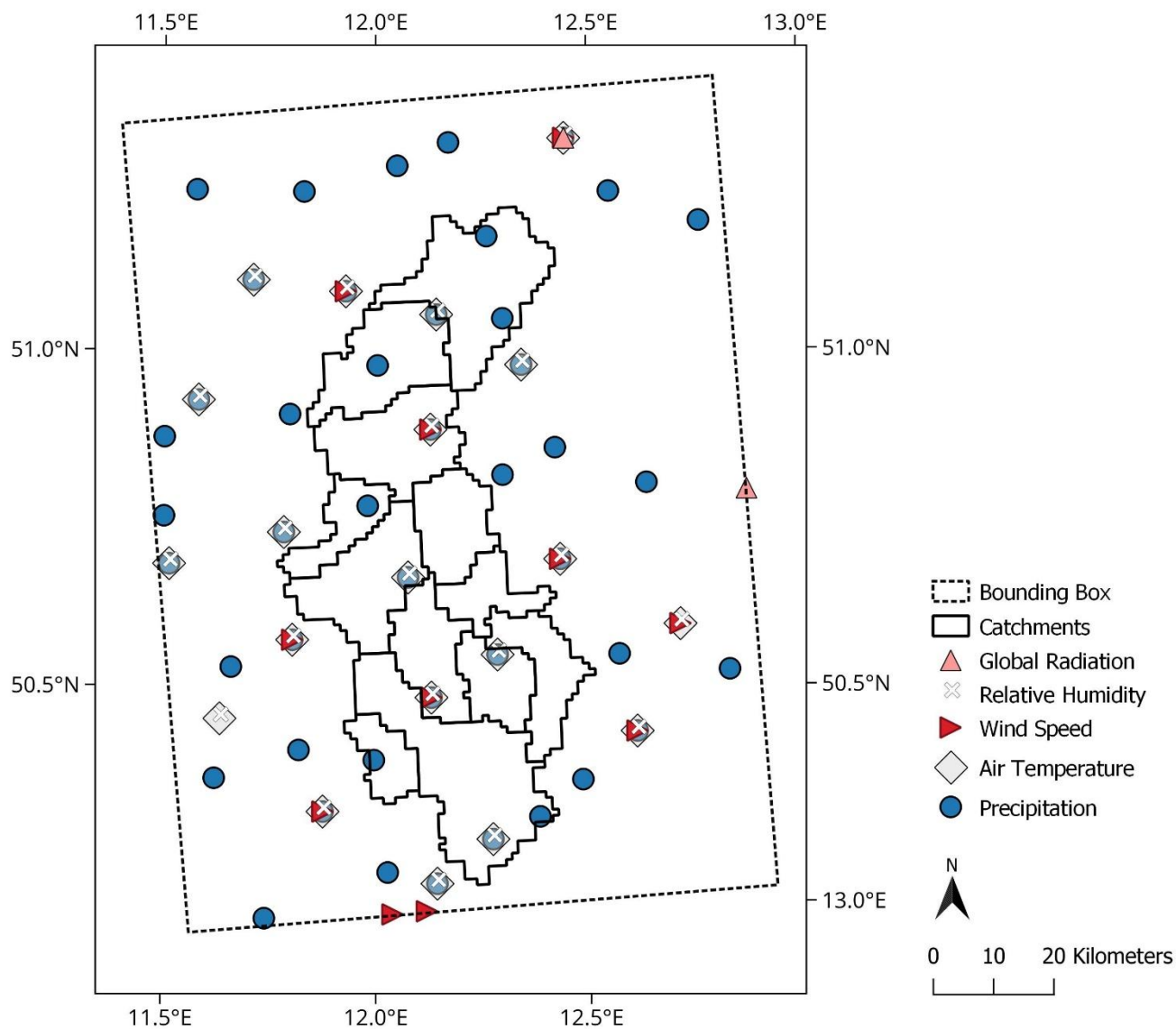
Fig. S2: Point-based observational network within the bounding box
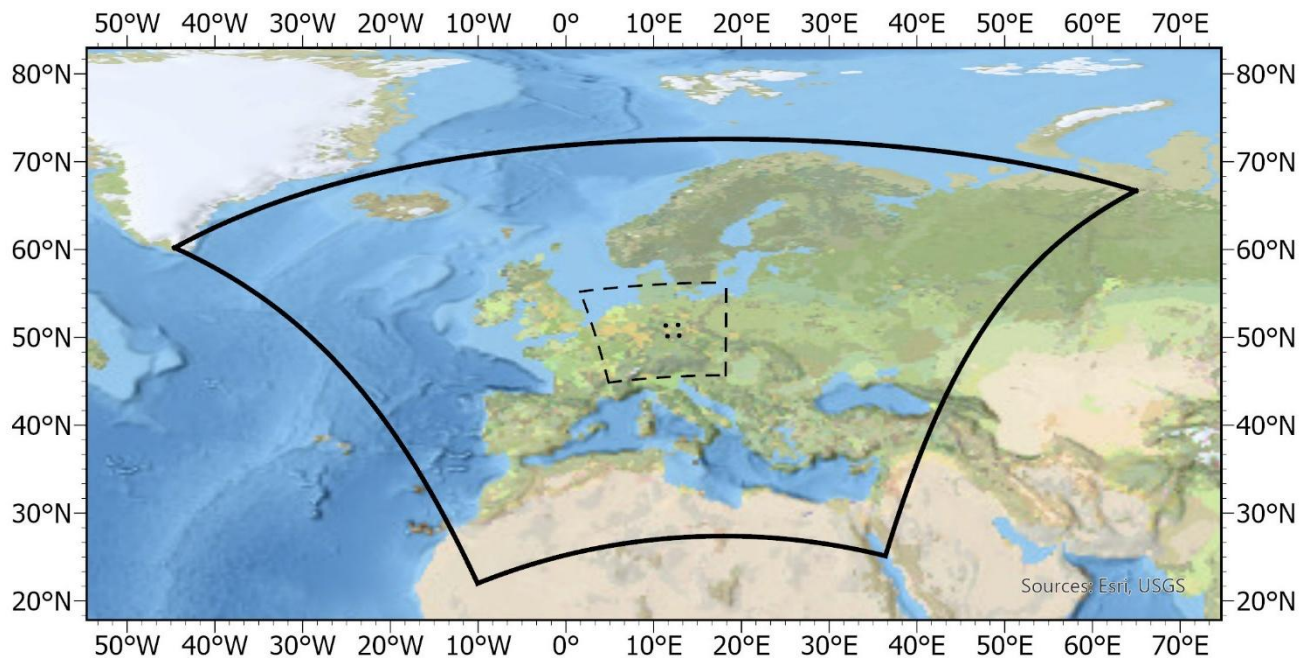
Fig. S3: RCM EURO-domain (solid) and CPRCM CEU-domain (dashed), together with the edges of the study area (points) (sources: ESRI, USGS)
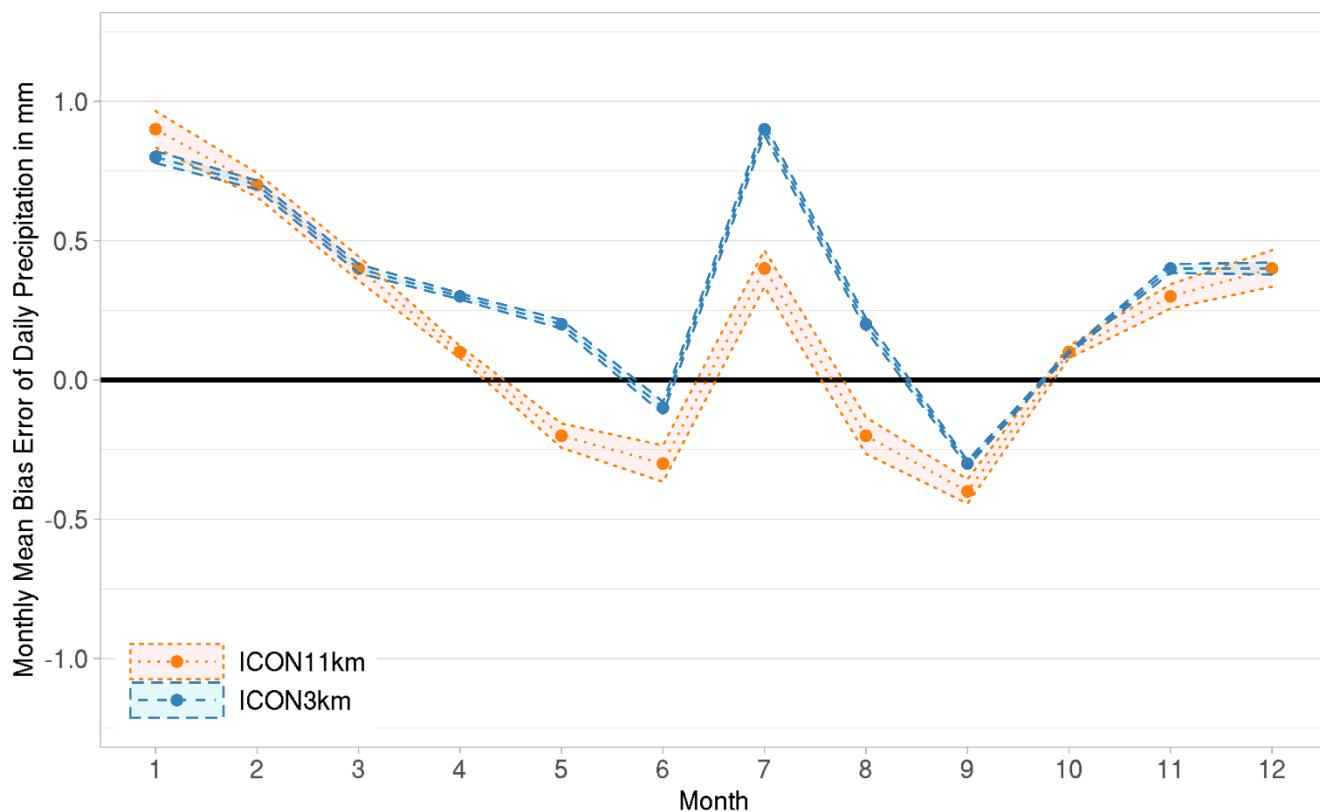
Fig. S4: Monthly mean bias error of daily precipitation of ICON3km and ICON11km during the period 2005 to 2014, as well as the 95%-confidence intervals from the station means