

Project: **1118**

Project title: **DyKliLand**

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Report period: **2023-07-01 to 2024-06-30**

Transient future simulations at convection-permitting scale (~ 3km) were performed over Central Europe and the Iberian Peninsula with the regional climate model COSMO-CLM (v5.16) for the period 2006 to 2070 based on RCP2.6 and RCP8.5 scenario. The future simulations based on RCP2.6 over the Iberian Peninsula were finished. The RCP2.6 simulation over the Iberian Peninsula was bias corrected using a quantile-mapping model. The MAPPY project partners use the bias-corrected data for their vegetation impact models.

A preliminary set-up of the regional climate model COSMO-CLM with an urban module was run over the mega-city Bangalore and wider region.