

Quantifying the response of water and carbon balances to land cover and climate extremes across Germany.

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Introduction

This supporting information provides the figures that supplements the main scientific conclusions of the paper.

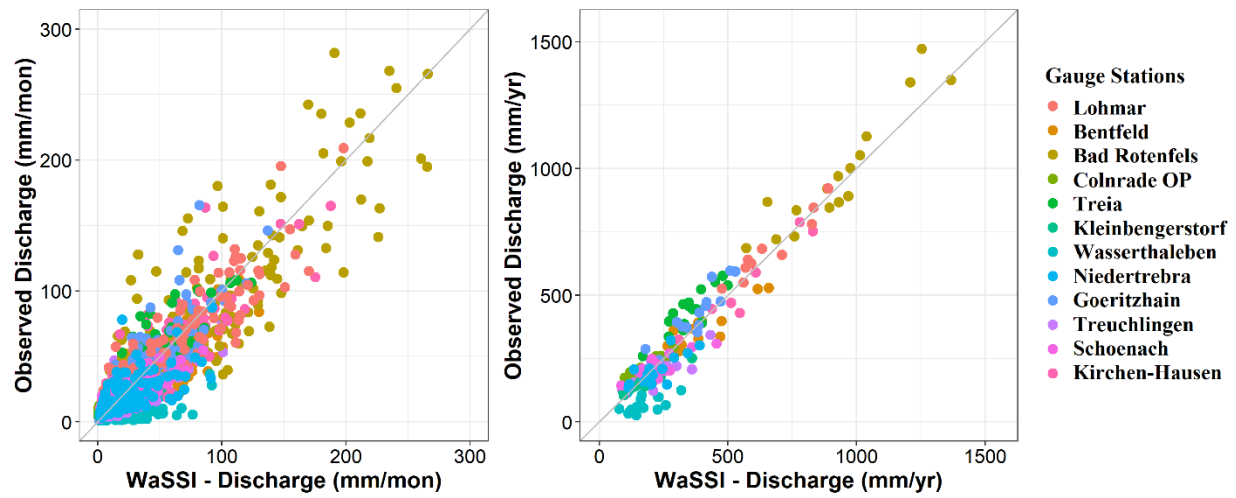


Figure S1: Monthly and Annual scatter plot between simulation and observed discharge for twelve different watersheds (2001-2019). The line running diagonally through the plot is a 1:1 line. Legends represent gaging station names.

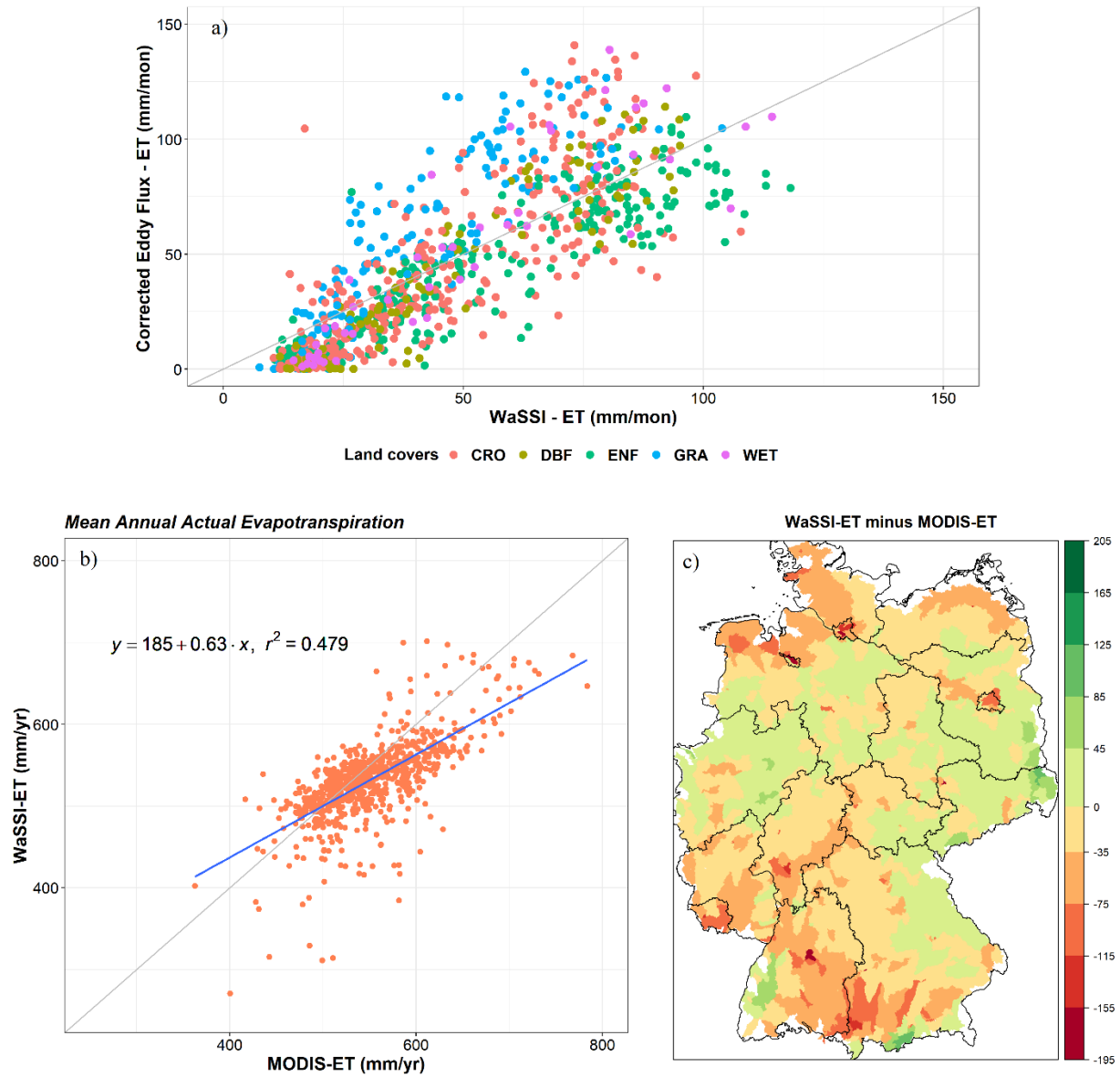


Figure S2: a) Monthly scatter plot between corrected ET from eddy flux towers and WaSSI-ET. The plot covers eleven different sites representing five different land covers. The line running diagonally through the plot is a 1:1 line. b) Mean annual WaSSI-ET validation w.r.t to MODIS-ET from 2001 to 2019 is presented in a scatter plot and c) difference map in mm to illustrate the magnitude and distribution of spatial similarities between the datasets across Germany.

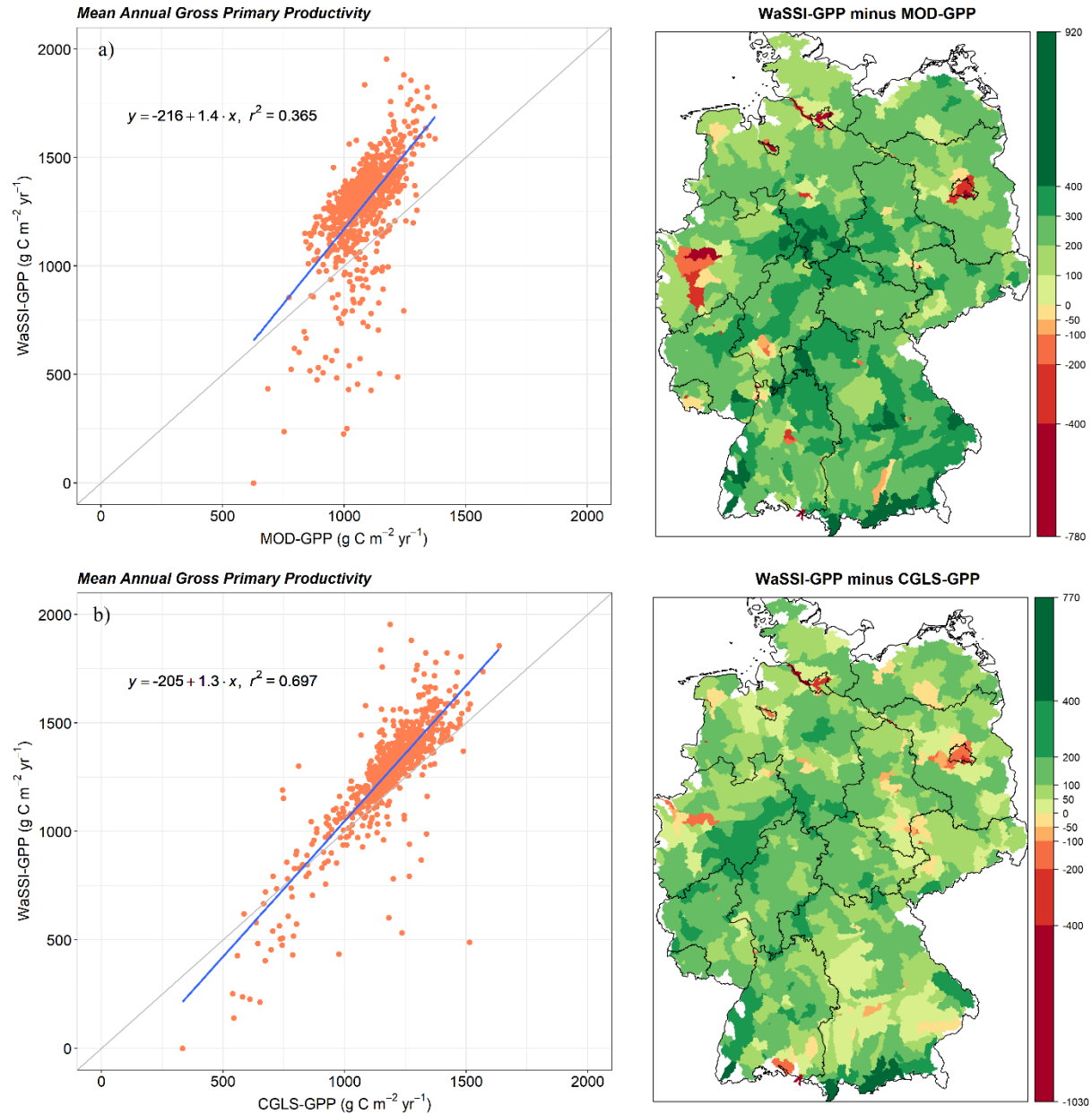


Figure S3: a) Mean annual WaSSI-GPP validation w.r.t to MODIS-GPP from 2001 to 2019 is presented in a scatter plot and difference map (in mm) to illustrate the magnitude and distribution of spatial similarities between the datasets across Germany. **b)** Mean annual WaSSI-GPP validation w.r.t to CGLS-ET from 2001 to 2019 is presented in a scatter plot and difference map (in mm) to illustrate the magnitude and distribution of spatial similarities between the datasets across Germany.