

Supplementary Figures

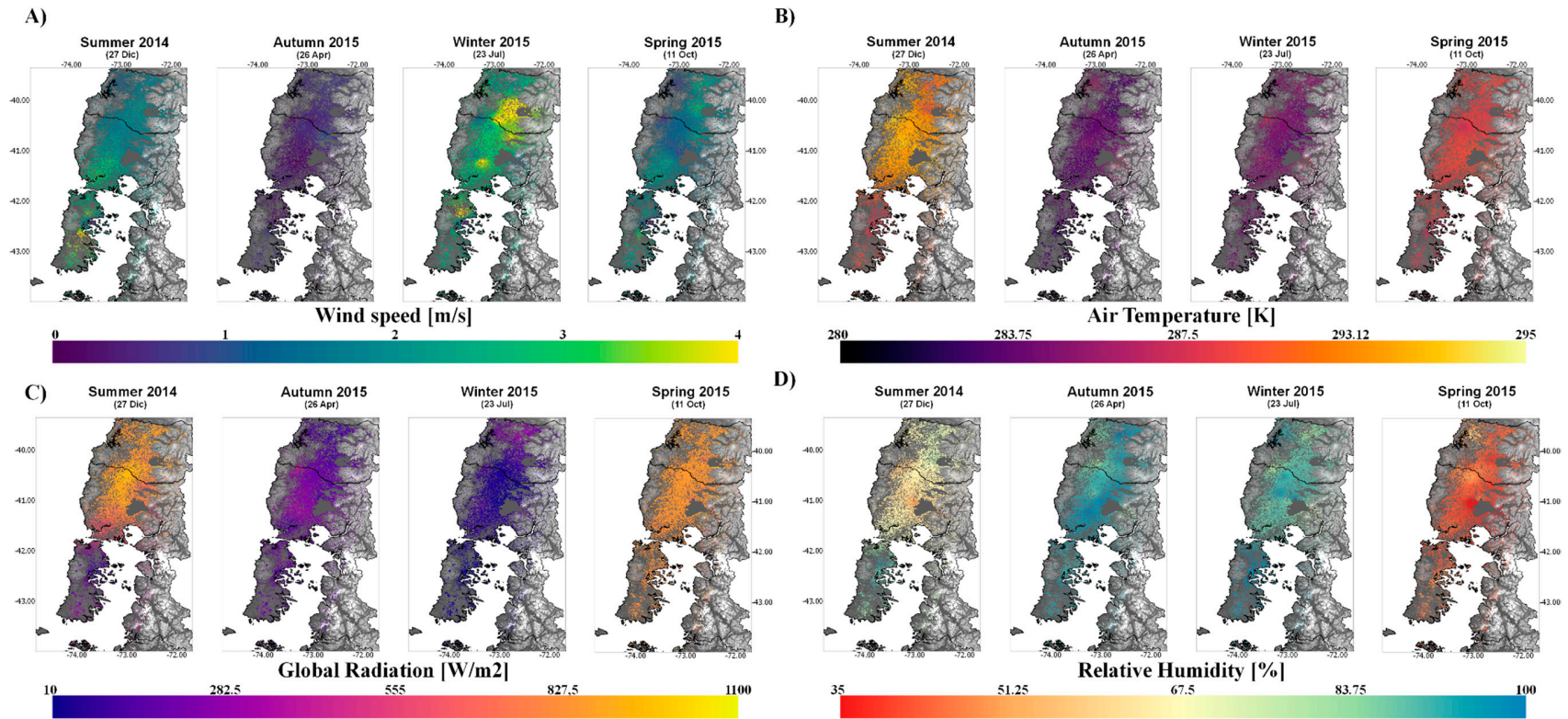
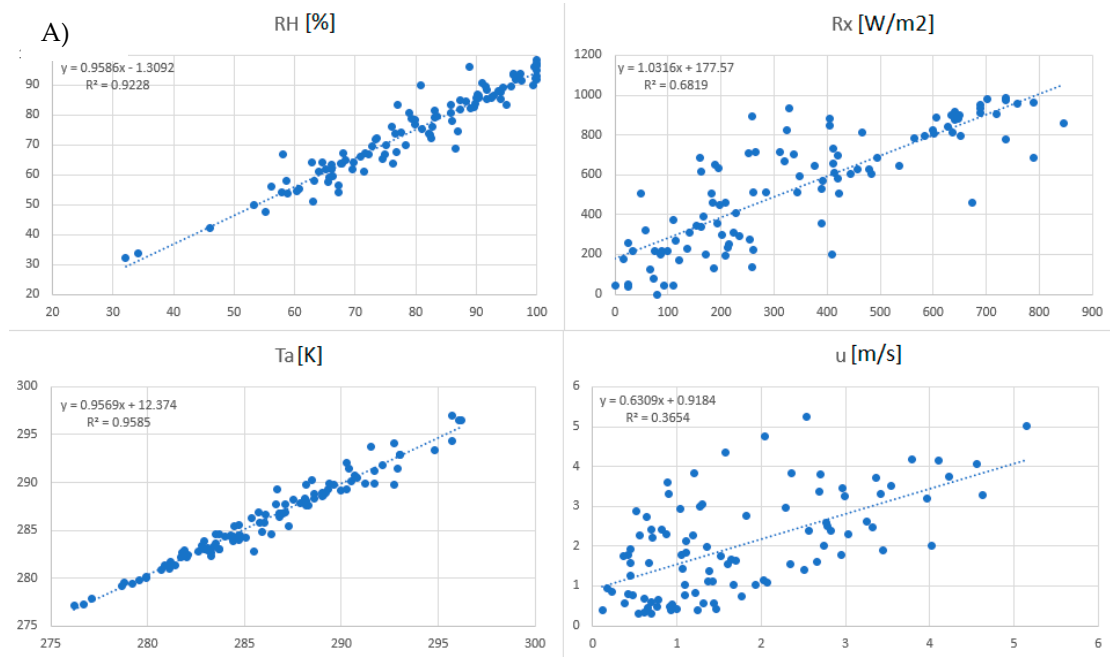


Figure S1. Meteorological data for the study area. A) is the wind speed [m s⁻¹], B) air temperature [K], C) instantaneous global radiation [W m⁻²] y D) relative humidity [%]. The meteorological information is on a topography layer of the región represented in gray



B)	Bias	Sigma	RMSE
RH [%]	4.59	4.19	6.21
Rx [W/m ²]	-188.52	161.801882	248.44
Ta [K]	-0.025	0.9	0.91
u [m/s]	-0.31	1.11	1.16

Figure S2. Validation of relative humidity (RH), global radiation (Rx), air temperature (Ta) and wind speed (u). **A).** Scatterplot of RH, Rx, Ta and u in Oromo Calibration Site (x-axis) and spatially interpolated variables (y-axis). **B)** Evaluation of bias, sigma and RMSE at pixel scale over OCS

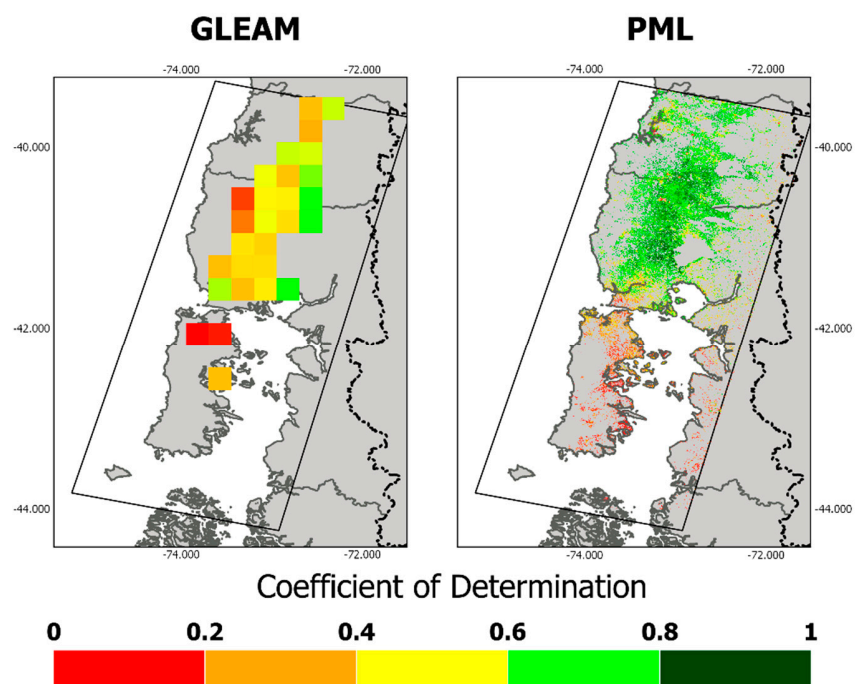


Figure S3. Spatial correlation between global models (GLEAM and PML) and SSEBop model.