

ISIMIP weather scenarios 1981-2099 RCPs 4.5/8.5 for South America – EUROCLIMA-2

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PROPERTIES

Creator Food Security Unit of the Joint Research Center (JRC.D.5)

Publisher Joint Research Centre European Commission

Description The resource consists of the ISIMIP weather scenarios for the EUROCLIMA 2 project: (5 Models X 2 Rcp: 4.5/8.5). Ref.: Euroclima2 Scientific component Final Report, JRC Technical Reports (not yet available)

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Grid Definition http://agri4cast.jrc.ec.europa.eu/DataPortal/Resource_Files/SupportFiles/sam_isimi

Spatial Projection WGS84

Grid Resolution 0.5 degrees

Temporal Resolution Daily

Time Horizons Scenarios 2006-2099 (2005 for Hadley model)

Time Horizons Baseline 1981-2005 (2004 for Hadley model)

RCP Scenarios 4.5, 8.5

Global Circulation Model Hadgem2,Ipsl,Miroc,Gfdl,Noresm1

DIMENSIONS

Period From: 01/01/1981 - To: 31/12/2099

Time Resolution 1 day

INDICATORS

Variables maximum air temperature (°C),
minimum air temperature (°C),
mean air temperature (°C),

mean daily wind speed at 10m (m/s),
sum of precipitation (mm/day),
total global radiation (KJ/m²/day),
Mean Relative Air Humidity (%),
Minimum Relative Air Humidity (%),
Maximum Relative Air Humidity (%),
Reference evapotranspiration (mm/day) FAO56