

# GUIDE FOR REQUESTING CLIMATE-RELATED DATA FROM WASCAL

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[www.wascal.org](http://www.wascal.org)

*Combating Climate Change. Improving Livelihoods*



## Data Requests (with support) From WASCAL

### Not to DO

Name	Period	Climate data	Coverage	Grad. School
XXX Xxxxx	19xx 20xx (40 years)	Tmin, Tmax, precipitation of rain, Wind speed, Solar radiation, Humidity, Surface pressure, Sea surface temperature, sensible heat flux (H), Latent heat flux (LE), Net radiation (Rn), Ground heat flux (G)	Country name	Xxxx

## Data Requests (with support) From WASCAL

### What you should DO

#### Before you submit your request (BYS1)

- ➔ Determine your study subject to be specific and concise as much as possible
  - Monitoring the impact of climate extremes on crop yield
  - Monitoring the impact of climate extremes on climate sensitive Diseases
  - Monitoring the impact of flooding on crop yield : case of sorghum
  - Monitoring the impact of flooding on climate sensitive Diseases: case of malaria

## Data Requests (with support) From WASCAL

### What you should DO

#### Before you submit your request (BYS2)

→ Clearly define your study area of interest (SAOI) to be sufficient and manageable

- In west African countries / West Africa
- In Sub-saharian zone /West African river basins
- In Ouagadougou  
Niger (list of cities / stations)
- In Mono river basin (list of locations / stations)

## Data Requests (with support) From WASCAL

### What you should DO

#### Before you submit your request (BYS3)

→ Select the data variables of interest (DVOI) necessary and sufficient to do your study

- Air-Temp (min, max, avg), Soil-Temp (min, max, avg), Windspeed (min, max, avg), wind Dir (min, max, avg), Solar radiation (min, max, avg), Relative Humidity (min, max, avg), Rainfall (min, max, avg), Air-Pressure (min, max, avg), Sunshine duration (min, max, avg), etc.
- Air-Temp (min & max / avg), Rainfall (min & max / avg), Relative Humidity (min & max / avg), etc.

**Make sure to request a reasonable subset of variables**

## Data Requests (with support) From WASCAL

### What you should DO

#### Before you submit your request (BYS4)

→ Select the data frequency of interest (DFOI) necessary and sufficient to do your study

- I need sub-daily, daily, monthly, and yearly data
- sub-daily OR daily OR monthly, then you compute the others
- yearly

**Make sure to request a reasonable subset of the data records**

## Data Requests (with support) From WASCAL

### What you should DO

#### Before you submit your request (BYS5)

→ Determine your study period of interest (SPOI) to be necessary and sufficient to do your study

From independence day to now

10 / 20 / 30 years time-slots

**Make sure to request a reasonable subset of the data records**

## Data Requests (with support) From WASCAL

### What you should DO

#### Before you submit your request (BYS6)

→ Identify the possible data providers to your need

- I expect WASCAL to do that for me
- Search online, discuss with your supervisors, other researchers, colleagues, friends, etc.
- Go to / Call national organizations / projects like: Met agencies, hydro services, renewable energy institutions, NGOs, local/national/regional projects, etc.



## Data Requests (with support) From WASCAL

### What you should DO

#### Before you submit your request (BYS7)

- State the possible results and benefits for the data providers or the WASCAL member country[ies] where the study will take place
  - This research will help me graduate and get my diploma.
  - The resulting data will be shared with the WASCAL member country data provider.
  - A skeleton of an implementable climate service on a near real time monitoring of climate extremes will be proposed, which can be useful.

## Data Requests (with support) From WASCAL

### What you should DO

#### When you submit your request (1)

→ Your request should provide response to the following questions

- ✓ Who are you ? : names + organization (name, country, address)
- ✓ What is your study subject ? See BYS1
- ✓ What is your SAOI ? See BYS2
- ✓ What is your DVOI ? See BYS3
- ✓ What is your DFOI ? See BYS4
- ✓ What is your SPOI ? See BYS5
- ✓ What are the possible results and benefits for the WASCAL member country[ies]
- ✓ [Option] Do you have suggestions of other data providers WASCAL may contact or send a support letter for you to contact them ?

## Data Requests (with support) From WASCAL

### What you should DO

#### When you submit your request (1)

- Send it the right recipients. By 2021, these are:
  - ✓ [diallo.b@wascal.org](mailto:diallo.b@wascal.org)
  - ✓ [hackman.k@wascal.org](mailto:hackman.k@wascal.org)
  - ✓ [bessin.i@wascal.org](mailto:bessin.i@wascal.org)
- Copy the right recipients. By 2021, these are:
  - ✓ [ogunjobi.k@wascal.org](mailto:ogunjobi.k@wascal.org)
  - ✓ [meda.s@wascal.org](mailto:meda.s@wascal.org)
- Copy your supervisors