

# Task 1.1: Climate Variability

**Objectives:** Analysis of Rainfall spatial variability to represent the basin's characteristic.

**Method :**

- ❖ Test the homogeneity of rainfall records for rain gauges in Merguellil basin
- ❖ Compute the precipitation laps rate for mountainous area (Merguellil).
- ❖ Construct Rainfall Scenarios using rainfall data measured using rain gauges, weather radar and satellite sensors (meteorological model).
- ❖ Treat missing values will be filled with the rainfall data of the nearest station or using a weather generator model
- ❖ Disaggregate climate model simulations using in-situ data, remotely sensed data and geostatistics

**Roadmap :** Continue the data collection

**Partner:** INAT, CESBIO, UNICA, HSM (Julie carreau)

**Study area :** Merguellil

➤ PhD student