EVT Projects

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Federal Office of Statistics
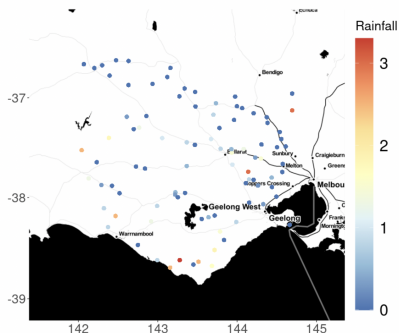Athens week, Paris

March 14th, 2022

Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
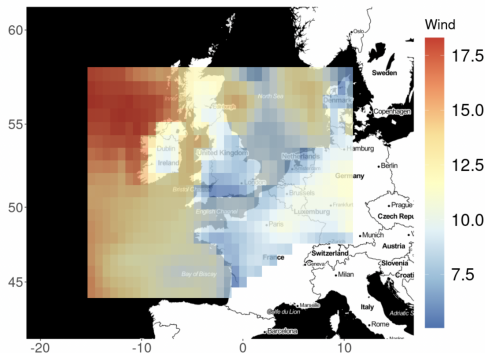Confederaziun svizra

- ► Work in pairs.

- ► Select one of the three variables:
    - ► Rainfall,
    - ► Wind,
    - ► Temperature.

- ► Choose group number and variable type and fill the sheet.

- ► You'll get in return a team number and .RData file containing:
    - ► measurements at 5 locations;
    - ► measurements dates;
    - ► geographical coordinates of each location of measure.

- ► A detailed analysis of each dataset must be summarized in a report.

- ► Report will be graded and must be handed-out as Rmarkdown before March 24th 2022.

- ► Renkulab project with all material can be found at

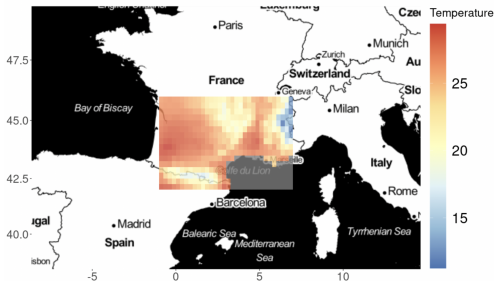   https://renkulab.io/projects/rdefondeville/practicals-extreme-value-statistics-athens.

- ▶ Daily rainfall accumulation.
- ▶ 92 gauging stations in the state of Victoria, AU (near Melbourne).
- ▶ From January 1st1960 to December 31st2009.

Wind speed over Europe

- ▶ Maximum wind gust sustained for at least 3s every 6 hours.
- ▶ 0.75° grid resolution over Western Europe.
- ▶ From January 10th1979 to January 4th2014.

- ▶ Mean daily temperature maxima.
- ▶ 0.25° grid resolution over the Southern region of France.
- ▶ From January 1st1950 to December 31st2016.