



# EVT Projects

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Athens week, Paris

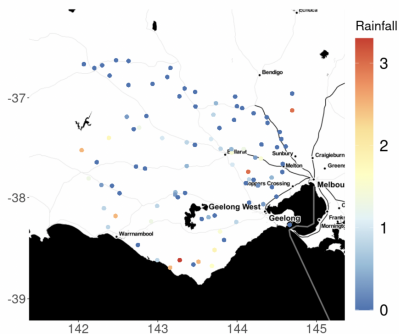
*March 15<sup>th</sup>, 2022*

# Project overview

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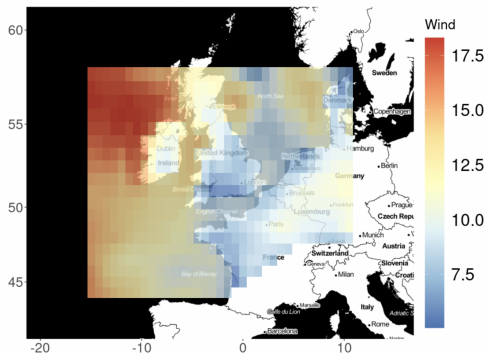
- ▶ Work in pairs.
- ▶ Select one of the three variables:
  - ▶ Rainfall,
  - ▶ Wind,
  - ▶ Temperature.
- ▶ Send your names and variable choice to “raphael.defondeville@bfs.admin.ch”.
- ▶ You'll get in return a team number and .RData file containing:
  - ▶ measurements at 5 locations;
  - ▶ measurements 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 April 24<sup>th</sup> 2022.
- ▶ Renkulab project with all material can be found at  
<https://renkulab.io/projects/rdefondeville/practicals-extreme-value-statistics-athens>.

# Rainfall in Australia



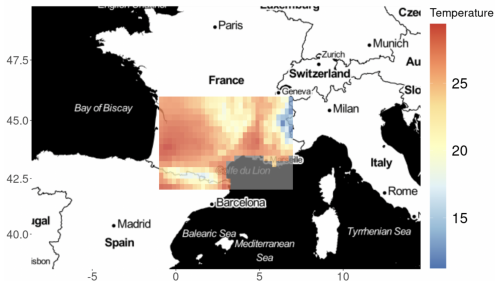
- ▶ Daily rainfall accumulation.
- ▶ 92 gauging stations in the state of Victoria, AU (near Melbourne).
- ▶ From January 1<sup>st</sup>1960 to December 31<sup>st</sup>2009.

# Wind speed over Europe



- ▶ Maximum wind gust sustained for at least 3s every 6 hours.
- ▶  $0.75^\circ$  grid resolution over Western Europe.
- ▶ From January 10<sup>th</sup> 1979 to January 4<sup>th</sup> 2014.

# Temperature in the South of France



- Mean daily temperature maxima.
- $0.25^\circ$  grid resolution over the Southern region of France.
- From January 1<sup>st</sup>1950 to December 31<sup>st</sup>2016.