

**ANALOGUE**

**SCAMP**

**SCAMP+**

**ERA-20C atmospheric reanalyses (111 years)**

**Atmospheric-  
trajectory  
generation**

**Meteorological synoptic time series**

**111 years : ANALOGUE and SCAMP; 1000 years : SCAMP+**

**Analogue-based downscaling**

**MAP and MAT daily values**

30 observed values for each generation day

**Daily-value sampling**

**MAP and MAT daily values**

30 sampled values for each generation day

**Schaake shuffle reordering**

**MAP and MAT scenarios**

**30 scenarios of**

**111 years : ANALOGUE and SCAMP; 1000 years : SCAMP+**