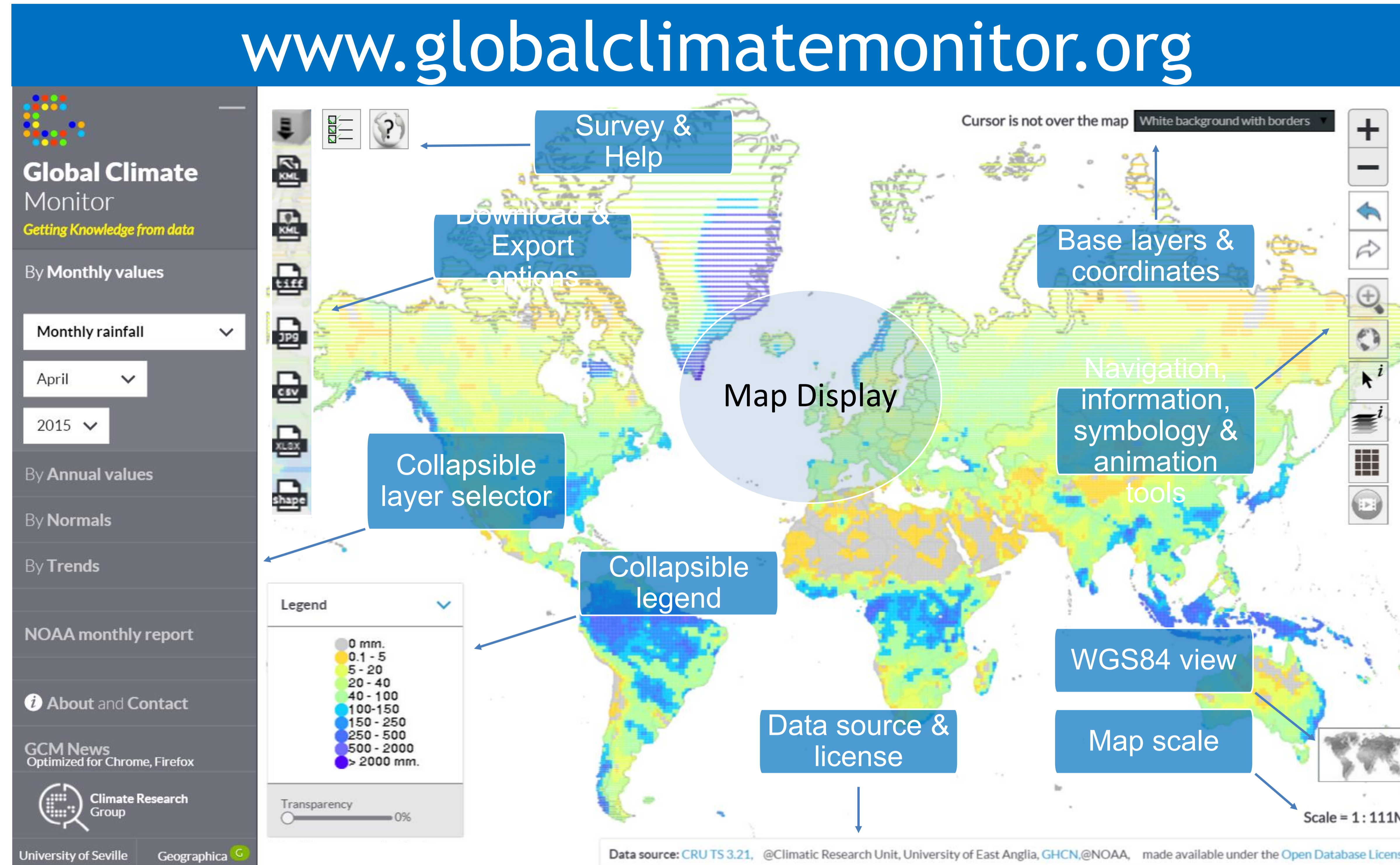


Introduction

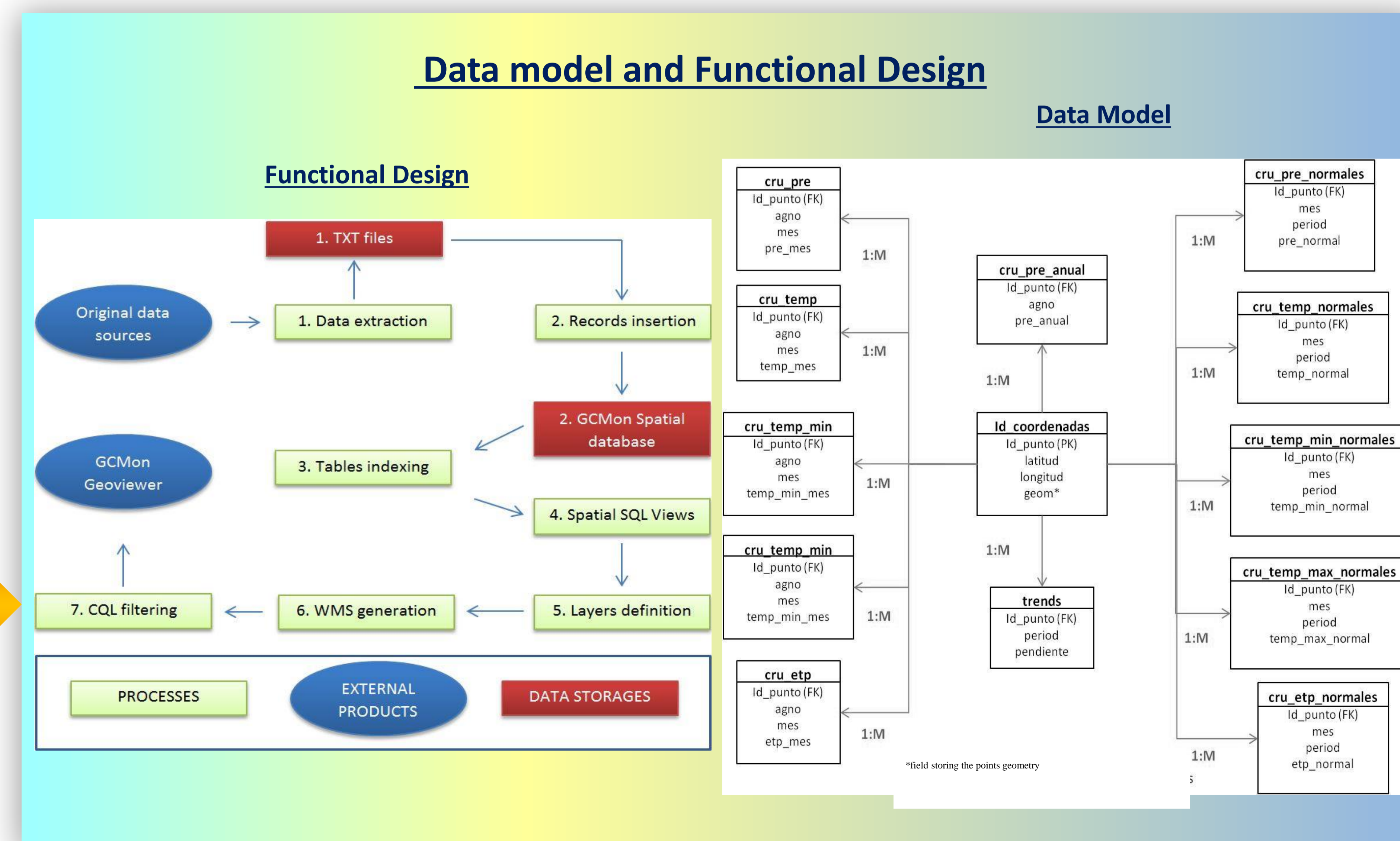
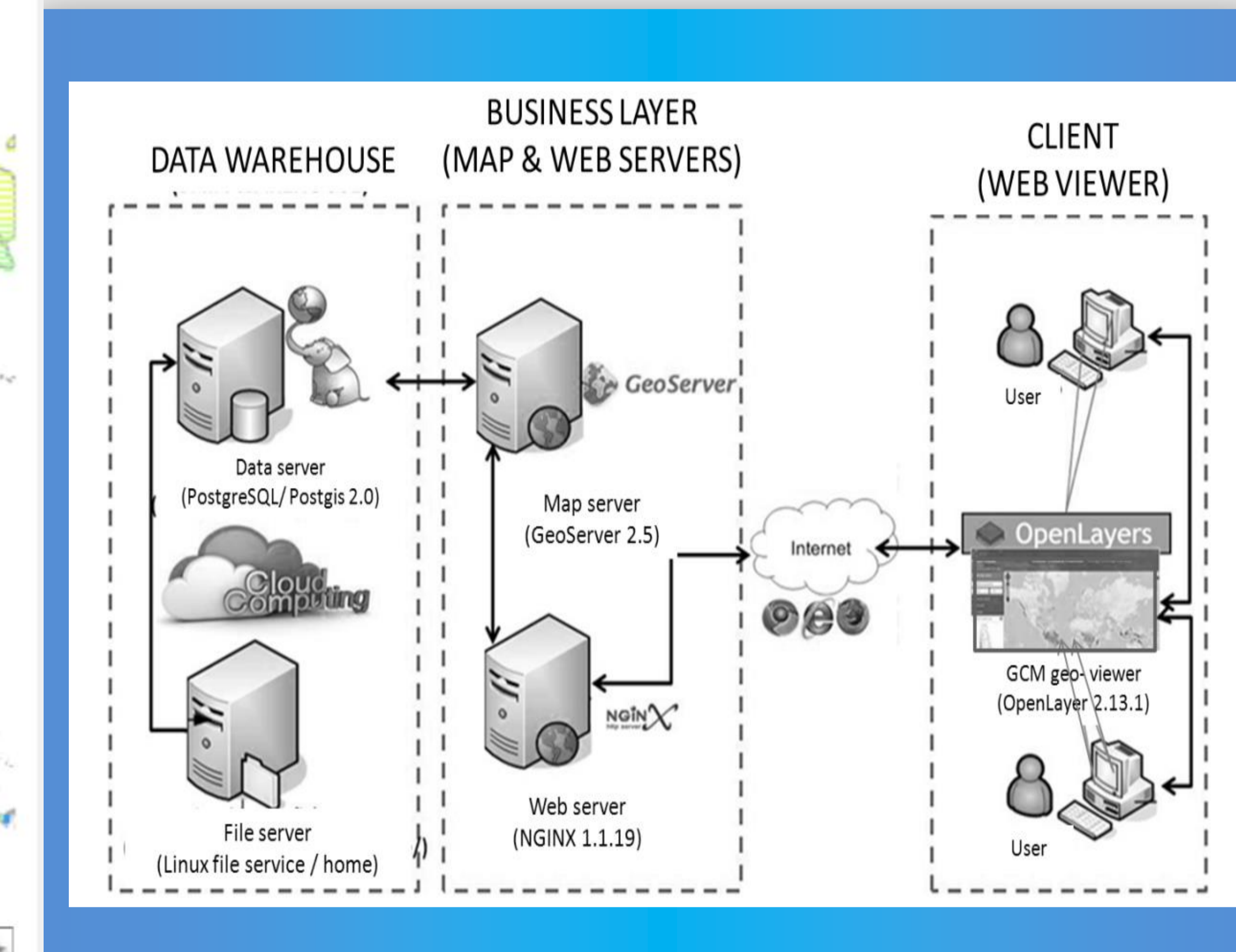
The *Global Climate Monitor* is a web mapping system that provides access to global climate data. It gathers and displays a growing set of variables and climatic indicators in a fast and friendly way so a wide public can use it.

2. Goals

- To make complex scientific data accessible to stakeholders and people
 - To design a web mapping tool for past climate data visualization
 - To built up easy and understandable climatic indicators for climate behaviour understanding
 - To move towards an operational global climate monitor: **Global Climate Monitor**
- TO GET KNOWLEDGE FROM DATA AND TO SHARE IT (Open Knowledge Paradigm)**



System architecture and Technological options



Variables and indicators

TIME SCALE	TEMPERATURE	PRECIPITATION	POT. EVAPOTRANSPIRATION
MONTHLY	MEAN TEMPERATURE Mean temp anomalies MEAN MIN TEMPERATURE Mean min temp anomalies MEAN MAX TEMPERATURE Mean max temp anomalies	TOTAL PRE Pre anomalies Pre anomalies in %	TOTAL PET PET anomalies PET anomalies in %
ANNUAL	Mean temperature Mean temperature anomalies Mean min temperature Mean min temp anomalies Mean max temperature Mean max temp anomalies	Total pre Pre anomalies Pre anomalies in % Seasonality index	Total PET PET anomalies PET anomalies in %
MONTHLY, SEASONAL & ANNUAL NORMALS	Mean temperature Mean min temperature Mean max temperature	Total precipitation	Total PET
TRENDS	Mean temperature trends Mean min temp trends Mean max temp trends	Total pre trends	Total PET trends

*The names in capital are used for the original variables that served by the Climate Research Unit.