

Free Software for a good climate

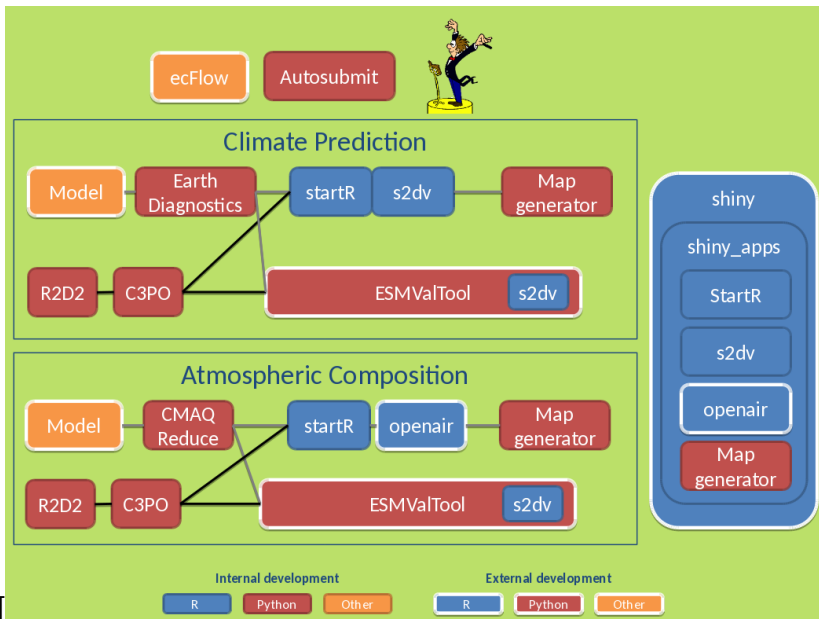
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BSC machines in a photo



BSC software in a picture



Defining strings to software (I)

Retrieve Remote Data Directly (**R2D2**) is a tool to download data using different protocols and sources like http, ftp, opendap, mars (ECMWF), etc.

Correctness Checker for Climate Predictions and Observations (**C3PO**) is a tool that modifies the original files downloaded from external sources (with R2D2) to the common ES format.

Defining strings to software (II)

startR: Retrieval and processing of multidimensional datasets
s2dverification (seasonal to decadal verification) is an R framework that aids in the analysis of forecasts from the data retrieval stage, through computation of statistics and skill scores against observations, to visualisation of data and results

Defining strings to software (III)

Autosubmit: a versatile tool to manage Weather and Climate Experiments in diverse Supercomputing Environments.

The performance tools developed at BSC are an open-source project targeting not only to detect performance problems but to understand the applications' behavior.

ecFlow is a C++ application and features a client-server model.

Installation for server and clients is the same.

ecFlow can submit tasks directly to the relevant queuing system on the target machine.

ecFlow submits jobs and receives acknowledgements from jobs when they change status and when they send events. It does this using child commands embedded in the ecFlow scripts