

About ECAS

The ENES Climate Analytics Service (ECAS) enables scientific end-users to perform data analysis experiments on large volumes of multidimensional data (e.g. NetCDF data format), by exploiting a PID-enabled, server-side, and parallel approach.

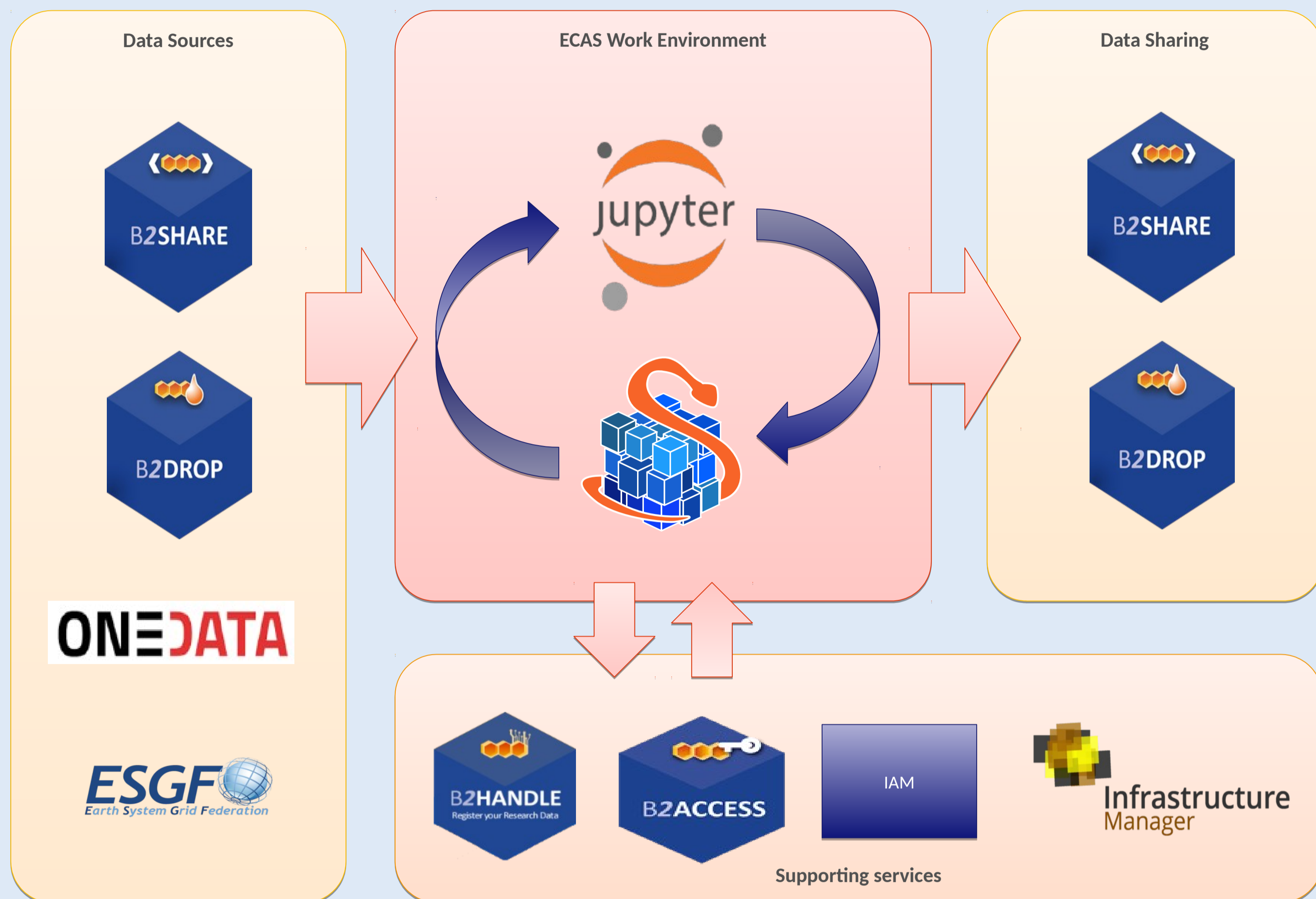
Computing Framework



Ophidia

- Big data analytics framework for scientific data
- Efficiently deals with multidimensional data
- About 100 array-based functions and more than 50 datacube-based operators to enable OLAP tasks

ENES Climate Analytics Service



Use Cases with ECAS: Climate Indices Calculation and Visualization

e.g., Calculation of the number of Tropical Nights (TN)
(all workflows are available as Jupyter notebooks)



Want to Try?

Only a registration is required at:

- CMCC:
<https://ecaslab.cmcc.it/web/home.html>

Or:

- DKRZ:
<https://ecaslab.dkrz.de/home.html>

