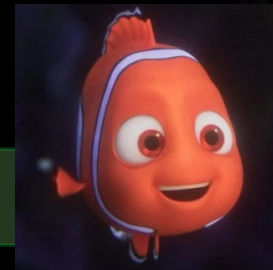


## FAIR Research Software framework

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### - FINDABLE:

it is published in community registries  
such as <https://research-software-directory.org/software/esmvaltool>;



### - ACCESSIBLE:

it can be installed from Python package community distribution channels such as:

- conda-forge
- PyPI
- and the open-source code is available on Zenodo with a DOI
- and on GitHub



### - INTEROPERABLE:

it is based on standards: it works with data that follows CF Conventions and the Coupled Model Intercomparison Project (CMIP) Data Request,

- its reusable recipes are written in YAML,
- provenance is recorded in the W3C PROV format
- it supports diagnostics written in a number of programming languages -
  - with Python and R being best supported
  - Julia too (but small number of diagnostics)
- its source code follows the standards and best practices for the respective programming languages;



### - REUSABLE:

it provides a well documented recipe format and Python API that allow reusing previous analyses and building new analysis with previously developed components. Also, the software can be installed from conda-forge and DockerHub and can be tailored by installing from source from GitHub.





