



Blithering
Github
Actions tests
failed again!

ESMValTool DevOps

- complex/continuous testing infrastructure
- regular and various builds
- package deployment and maintenance on **conda-forge** and **PyPI**; containers on **DockerHub**
- periodic upgrades to support major dependency upgrades (Python, Scitools-Iris, Numpy etc.)
- support with releases

...also...

- maintenance of several other packages that ESMValTool depends on
- central installations, packaging-deployment, and maintenance on HPCs
- support when new technical features needed (new dependencies, solve problems due to problematic deps etc.)
- literally fix anything that breaks wrt infrastructure



What's new, doc?

- Python 3.12 (and almost 3.13) support
- Numpy 2+ support via latest Iris
- Ruff + pre-commit support (code compat by Bouwe: monster PR)
- an up-to-date environment
- deployment via containerized conda
- ESMValBot is back online, after an MLU

(in progress)

- Ruff + pre-commit integration in Codacy
- autoAPI docs

The future looks blithering bright

- REF
- maintenance
- ESGF infrastructure overhaul == **esgf-pyclient** et al overhaul
- separation of CMOR fixes package
- integration of functionality for new file formats and storage types, so...
- cloud storage
- active storage
- more maintenance
- ...and of course, some AI stuff

We need more troops! And more tanks!



Le discussion: