CEDA JASMIN super data-cluster (won’t be talking about other platforms here):

• Tutorial for getting set up on JASMIN and running a Loobos Rose/Cylc suite: [https://code.metoffice.gov.uk/trac/jules/wiki/RoseJULESonJASMIN](https://code.metoffice.gov.uk/trac/jules/wiki/RoseJULESonJASMIN)
  • (Carolina, Patrick, formerly Kerry Day, Ag Stephens, et al.)

• Tutorial that includes parts of the above tutorial (as step #4) for getting set up on JASMIN, but also includes other relevant information: [https://research.reading.ac.uk/landsurfaceprocesses/software-examples/tutorial-rose-cylc-jules-on-jasmin/](https://research.reading.ac.uk/landsurfaceprocesses/software-examples/tutorial-rose-cylc-jules-on-jasmin/) (Patrick, Pier Luigi)

• The CEDA JASMIN virtual machine `jasmin-cylc` is the preferred host for submitting Rose/Cylc jobs to the LOTUS batch modes.
  • Not `jasmin-sci*`. The Rose/Cylc Xwindow GUIs have recently been enabled on `jasmin-cylc`, making life much easier.
Rose/Cylc suite u-al752 for customized JULES modeling of 75 FLUXNET sites (suite owned by Anna H., Karina, Patrick & Carolina):

- [https://code.metoffice.gov.uk/trac/jules/wiki/FluxnetandLbaSites](https://code.metoffice.gov.uk/trac/jules/wiki/FluxnetandLbaSites)

- Currently, the JULES model of each site can be custom-adapted to fit the data better.

- We plan to add a feature so that the suite can use the GL7 configuration as the standard reference.

- Tutorial that uses this FLUXNET suite u-al752 as the example (instead of Loobos):
  [https://research.reading.ac.uk/landsurfaceprocesses/software-examples/tutorial-rose-cylc-jules-on-jasmin](https://research.reading.ac.uk/landsurfaceprocesses/software-examples/tutorial-rose-cylc-jules-on-jasmin) (Patrick, Pier Luigi)
JLMP Systems and Platforms: global gridded suites

• Rose/Cylc suite u-as052 ("GL6R"): global gridded WFDEI-driven JULES model configuration (Pier Luigi, Patrick, Alberto, et al.)
  • https://research.reading.ac.uk/landsurfaceprocesses/software-examples/jules-fluxnet2015-jules-global/runningglobal/

• Rose/Cylc suite u-bb316 (GL7): global gridded CRU/NCEP-driven JULES model configuration (Andy W., Carolina, et al.):
  • https://code.metoffice.gov.uk/trac/jules/wiki/JointLandModellingProgramme
    → https://code.metoffice.gov.uk/trac/jules/wiki/JulesConfigurations
    → https://code.metoffice.gov.uk/trac/jules/wiki/JointLandModellingProgramme_JASMIN_running

• Rose/Cylc suite u-bk950 (ES) for JASMIN and MO CRAY is being released:
  • global gridded Earth Systems JULES model configuration (Andy W., Carolina, et al.);
    • CRU/NCEP-driven;
    • e.g., time-dependent vegetation (land use) ancillaries
JLMP Systems and Platforms: ILAMB, LVT, NCAS CMS support

• ILAMB suite u-ba284 for comparing JULES-ES models (CRU/NCEP-driven) to ILAMB benchmark data (Carolina, Eddy).
  • The ILAMB suite u-ba897 is the U. Reading version.
    • Tutorial for running suite: https://research.reading.ac.uk/landsurfaceprocesses/software-examples/ilamb-tutorial/ (Patrick, Pier Luigi)
    • See Pier Luigi’s ‘Global Land’ talk here at the Annual JULES meeting for examples.

• Still trying to get LVT installed on JASMIN

• Support from NCAS/CMS (Computational Modeling Services) available (Dave C., Patrick, Grenville)
  • Currently performing ‘rose stem’ tests and tests of u-bb316/GL7 on CEDA JASMIN after each JULES upgrade.
  • See next page
JULES Support on JASMIN from NCAS/CMS

• Dave Case, Grenville Lister, Patrick McGuire, et al.
• NCAS CMS supports JULES on JASMIN, and can help with system issues
• The latest JULES releases are tested on the system, and they are centrally installed (although we recommend downloading from MOSRS)
• Certain standard suites are tested, and helpful documentation exists
• Support JULES community with respect to changes which may occur with the system in the future