

### **WP3: Open-source scientific Software and Service Repository (OSSR)**

- Jupytercasa image status:
  - onboarding presentation done
  - code is on IN2P3 gitlab: <https://gitlab.in2p3.fr/keimpema/jupyter-casa>
  - not published on Zenodo yet
- Work on CASA VLBI tools:
  - Useable fringe-fit task introduced in CASA 5.7/6.1
  - Updates/bugfixes/support for VLBI in fringe-fit, `accor`, `importfitsidi`, `gaincurve` handling in CASA 5.8/6.2

### **WP4: Connecting ESFRI projects to EOSC through VO framework (CEVO)**

- Participation in IVOA Radio Special Interest Group to define VO standards for describing radio-interferometric data products
- Based on experimental modified ObsCore data structure, parse publicly available European VLBI Network (EVN) data archive at JIVE into ObsCore table
- Purchased dedicated VO server, installed ObsTAP service using GAVO's DaCHS, experimental service online (also externally visible) for testing

### **WP5: ESFRI Science Analysis Platform (ESAP)**

- Jupyter notebook for basic EVN continuum data reduction created
- Development of Jupyterlab "plugin" for access to EVN data in the archive at JIVE
- Development Jupyterlab environment set up, spawns new Jupyterkernel with appropriate notebook and archive interface widget for data reduction
- Purchased dedicated server, Jupyterlab environment being installed (Feb 2021), including federated login, supporting e.g. ESCAPE IAM credentials