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PIANO NAZIONALE  
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Centro Nazionale di Ricerca in HPC,  
Big Data and Quantum Computing

# *Updates and communications*

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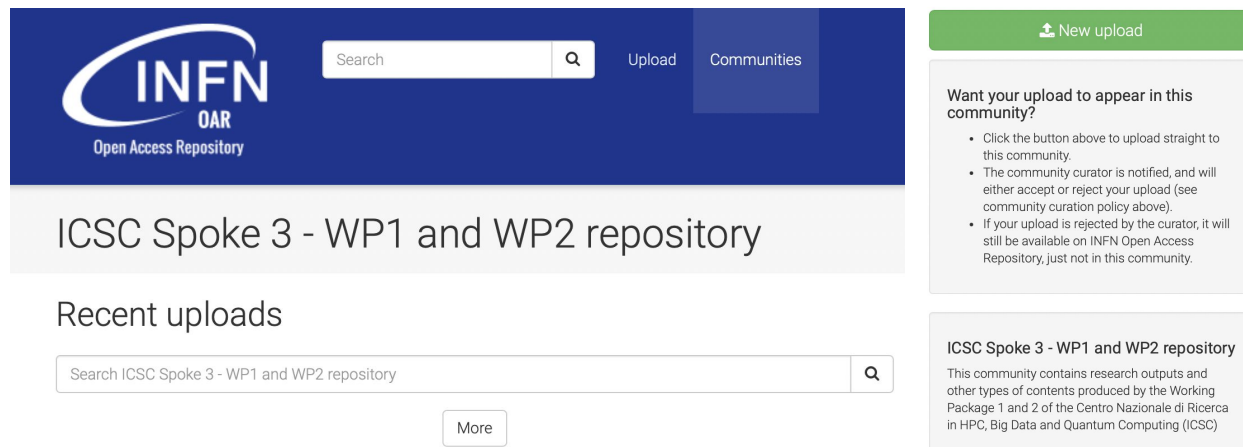
**WP1,WP2 Monthly Meeting, March 11, 2025**

## We remind the use of Spoke-3 GitHub repository

We have a github organization profile to be used as code repository <https://github.com/ICSC-Spoke3>  
people who want to be invited please write to: [dario.gasparrini@roma2.infn.it](mailto:dario.gasparrini@roma2.infn.it)

Please remember that documentations, KPIs and other materials of the WP1&2 should be made available through the openaccess repository within our community

[https://www.openaccessrepository.it/communities/spoke3\\_wp12/](https://www.openaccessrepository.it/communities/spoke3_wp12/)



The screenshot displays the INFN OAR (Open Access Repository) interface. At the top, there is a navigation bar with the INFN OAR logo, a search bar, and links for 'Upload' and 'Communities'. Below the navigation bar, the main heading reads 'ICSC Spoke 3 - WP1 and WP2 repository'. Under this heading, there is a section for 'Recent uploads' with a search bar and a 'More' button. On the right side, there is a green 'New upload' button and a section titled 'Want your upload to appear in this community?' which lists instructions for uploading and community curation. Below this, there is a section titled 'ICSC Spoke 3 - WP1 and WP2 repository' which describes the community's purpose: 'This community contains research outputs and other types of contents produced by the Working Package 1 and 2 of the Centro Nazionale di Ricerca in HPC, Big Data and Quantum Computing (ICSC)'.

## We recommend to request Spoke-3 Computational resources

- Before submitting the request inform the Spoke3 leader and wait for his approval. Email: [ugo.becciani@inaf.it](mailto:ugo.becciani@inaf.it)
- **Middle projects:** requests can be submitted via <https://pica.cineca.it/icsc/richiesta-risorse-e-servizi/>

Review phase within Spoke3 and CINECA. Review/assignment: monthly/every two months

- **Small or test projects are TBD:** internal procedure under development to quickly assign resources for testing purposes and small projects



# Reminders

## Sexten Workshop

- Workshop: 15-19 December 2025
- Registration: 15 October 2025
- Paper submission: 30 June 2025 ( preliminary)
- need **reviewers for Astronomy & Computing** Special Issue
- **All the projects** are expected to be published into A&C paper, it will represent the Final report for each use case.

**Next meeting: Apr 8 2025 at 11am**

## Reminders

# The Third General Technical workshop of the Spoke 3

- Workshop: 26-29 May 2025
- Registration: 31 March 2025
- venue INFN Perugia
- <https://indico.ict.inaf.it/event/3173/registrations/1429/>

# To do's

## Publication sheets

- please remind to fill up the doc  
[https://docs.google.com/document/d/1MicvzI3c7sWK0J9FPyx\\_e0MxtXDqVPqI7XRa7aVZMv\\_I/edit?tab=t.0#heading=h.8qy8kop9xr3m](https://docs.google.com/document/d/1MicvzI3c7sWK0J9FPyx_e0MxtXDqVPqI7XRa7aVZMv_I/edit?tab=t.0#heading=h.8qy8kop9xr3m)

## Conference sheets

- please remind to fill up the doc  
[https://docs.google.com/spreadsheets/d/1h7uTwAYn\\_jNm5fgkkWCyE7PH4nbt8SAy/edit?gid=2011699129#gid=2011699129](https://docs.google.com/spreadsheets/d/1h7uTwAYn_jNm5fgkkWCyE7PH4nbt8SAy/edit?gid=2011699129#gid=2011699129)

## Today's Speakers

(we are going to record your contribution, thanks!)

- TURBO - GPU porting of pseudo-spectral codes for incompressible flows.

Please remember to upload your presentation on indico

## Update Round

- RAMSES (INAF)
- ISTEDDAS
- COSMICA
- BrahMAP
- RICK - HPC and GPU development for radio astronomy data reduction
- NP\_TMCode
- Sparse representations for spectral-imaging codes
- GPU porting of a Cosmological Boltzmann solver
- TURBO
- GUIBRUSH(R)
- Mercury-Arxes

Please **answer the following three questions** for each code:

1. — What's the main result you have accomplished during last month?
2. — Which KPI(s) have you fulfilled so far?
3. — What's the main (not yet solved) issue you are facing?

**and check** what's written in **the minutes**

- GalaPy
- PINOCCHIO
- OpenGadget3 code
- PBJ: Power spectrum and Bispectrum Joint analysis
- HPC and accelerators exploitation for radio imaging software
- Simulations for LiteBIRD experiment
- STINGRAY: Temporal analysis of large data archives from X-ray missions