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PIANO NAZIONALE
DI RIPRESA E RESILIENZA



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

Updates and communications

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WP1,WP2 Monthly Meeting, April 08, 2025

Reminders

The Third General Technical workshop of the Spoke 3

- Workshop: 26-29 May 2025
- Registration: **14 april 2025 (extended)**
- Venue: Hotel Giò Jazz & Wine Perugia
- <https://indico.ict.inaf.it/event/3173/registrations/1429/>
- Fill the [Perugia talks spreadsheet](#) for scheduling your talk (remote talks are not permitted except extraordinary situations)

End of project publications - special issue on Astronomy and Computing

All use cases are invited to submit a paper for the end of the project.

We will have a special issue on [Astronomy and Computing](#) (IF 1.9)

- There is no page number limit
- Gold Open access on CRUI agreement (INAF included)

We expect a high number of contributions, thus suggestions of willing reviewers are welcome!

To do's

Publication sheets

- please remember to fill up the doc
https://docs.google.com/document/d/1MicvzI3c7sWK0J9FPyx_e0MxtXDqVPqI7XRa7aVZMv_I/edit?tab=t.0#heading=h.8qy8kop9xr3m

Conference sheets

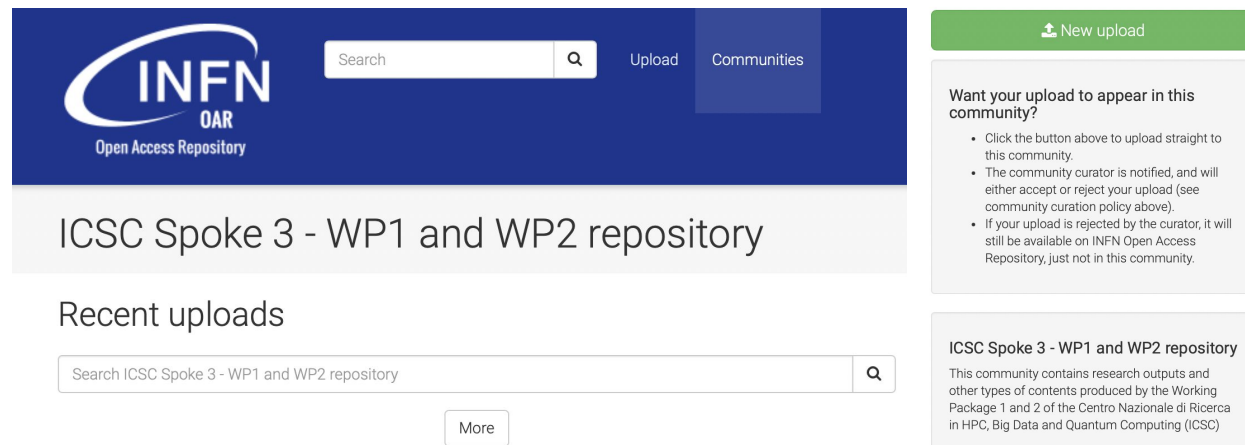
- please remember to fill up the doc
https://docs.google.com/spreadsheets/d/1h7uTwAYn_jNm5fgkkWCyE7PH4nbt8SAy/edit?gid=2011699129#gid=2011699129

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

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/



The screenshot shows the INFN OAR Open Access Repository interface. The header includes the INFN OAR logo, a search bar, and navigation links for 'Upload' and 'Communities'. The main content area displays the title 'ICSC Spoke 3 - WP1 and WP2 repository'. Below the title, 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. At the bottom right, there is a section titled 'ICSC Spoke 3 - WP1 and WP2 repository' which describes the community's purpose.

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Open Access Repository

Search [] Q Upload Communities

ICSC Spoke 3 - WP1 and WP2 repository

Recent uploads

Search ICSC Spoke 3 - WP1 and WP2 repository [] Q

More

New upload

Want your upload to appear in this community?

- Click the button above to upload straight to this community.
- The community curator is notified, and will either accept or reject your upload (see community curation policy above).
- If your upload is rejected by the curator, it will still be available on INFN Open Access Repository, just not in this community.

ICSC Spoke 3 - WP1 and WP2 repository

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)

Today's Speakers

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

- PRESTO - Identification of non stationary periodicities in timeseries.

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
- PLUTO
- PRESTO

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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: May 13 2025 at 11am
updates from OpenGadget3 Cosmological simulations of structure formation