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PIANO NAZIONALE DI RIPRESA E RESILIENZA
ICSC
Centro Nazionale di Ricerca in HPC, Big Data and Quantum Computing

Updates and communications

S. Della Torre, G. Puglisi, M. Spera, M. Valentini

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/1MicvzI3c7sWK0J9FPyxe0MxtXDqVPqI7XRa7aVZMv_I/edit?tab=t.0#heading=h.8qy8kop9xr3m

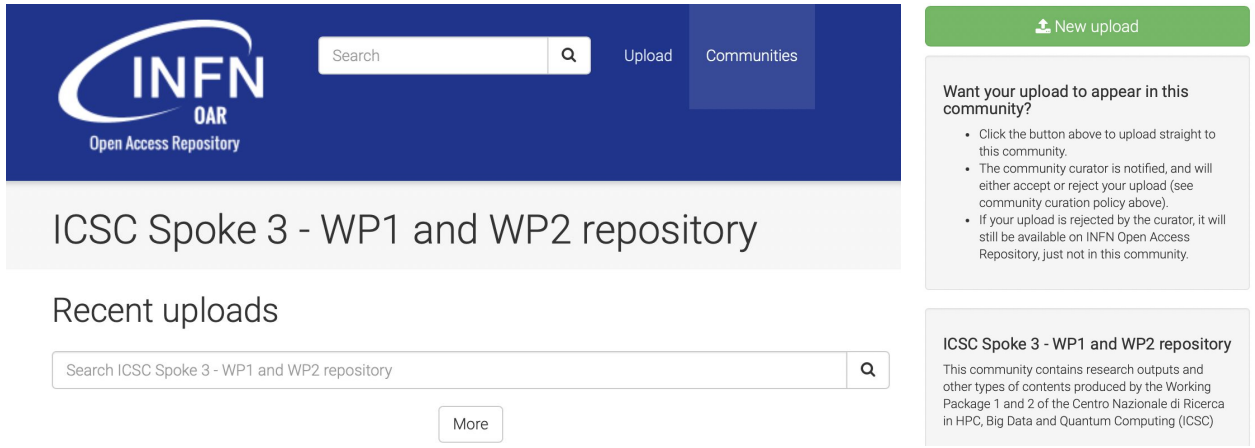
Conference sheets

- 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/



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

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

- 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
- 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