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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, Apr 17, 2024**

## Today's Speakers

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

- NP\_TMCode – Giovanni La Mura
- PBJ – Chiara Moretti

Please remember to upload your presentation on indico  
(<https://indico.ict.inaf.it/e/2746>)

## Update Round

- ISTEDDAS - SISSA
- *HI-emulator* - SISSA
- PLUTO - UniTO
- TURBO - UniTO
- COSMICA - INFN
- GPU porting of a Cosmological Boltzmann solver - INFN
- NP\_TMCCode - INAF OACa
- 21cmFAST - SNS
- Mercury-Arxes - INAF OATo
- GUIBRUSH(R) - INAF OATo
- RAMSES - INAF OAS
- BrahMAP - UniTOV
- Sparse representations for spectral-imaging codes.
- RICK - INAF
- PRESTO - INAF-Ca

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 - SISSA
- OpenGadget - UniTs
- PINOCCHIO - UniTs
- STINGRAY - INAF OAC
- RAMSES/other numerical nbody+hydro code - SNS
- *Gaussian* - SNS
- PBJ - SISSA
- Simulations for LiteBIRD experiment. - INFN
- TEPID-WINE - UniTOV

## WP1/2 Announcements

- **We made order in WP1-2 spreadsheets for report**
  - <https://l.infn.it/usecases-wp1-2> : *Use Case* descriptions - official WP1/2 list
  - <https://l.infn.it/rendicontazione-wp2> : KPI & Targets WP2
  - <https://l.infn.it/rendicontazione-wp1> : KPI & Targets WP1
  - in case of new hiring (PhD, TD, AdR,...) or resignations please inform us.
  - All publications with Acknowledgment to Spoke-3 should be loaded/linked inside [www.openaccessrepository.it](http://www.openaccessrepository.it) within the community *ICSC Spoke 3 - WP1 and WP2 repository*

## WP1/2 Announcements

- **Spoke 3 General meeting at Elba - May 5th - 9th 2024**
  - Each use case must present 3-4 technical slides with status report (we will circulate a template)
  - Feel free to made suggestions to WP-leaders on evenings.
- **Computational Resources**
  - KSP still under allocation – no news
- **Next deadline**
  - June 30th 2024 ends M8 milestone (for Mar-Jun 2024)

**Next meeting: TBD**