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Ministero
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Italiadomani

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, November 14, 2024

WP1/2 Announcements

- **Deadline for research report for Milestone M9 + M10 was November 8th, 2024**
 - - <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
- **Urgent update required from scientific reviewers - deadline November 15th, 2024**
 - https://docs.google.com/document/d/1MicvzI3c7sWK0J9FPyxe0MxtXDqVPqI7XRa7aVZMv_I
 - include all papers produced from the beginning of the project to the present, including those that do not explicitly acknowledge ICSC but are relevant to its scope and activities.

WP1/2 Announcements

- **Second Technical Meeting Spoke 3 - Bologna, December 17 - 19, 2024 - Territorial Research Area of Bologna**
 - <https://indico.ict.inaf.it/event/3001/>
 - Register and submit your abstract
 - **Main question to answer:** Could you complete the project by February 2026? If not, why? What are the key bottlenecks or critical issues preventing timely completion? Additionally, what resources or support would be needed to ensure the project is finished on schedule?

Today's Speaker

- Paolo Campeti

Please remember to upload your presentation on indico

Update Round

- HIP-HOP - SISSA
- PLUTO - UniTO
- TURBO - UniTO
- COSMICA - INFN
- GPU porting of a Cosmological Boltzmann solver - INFN
- NP_TMCode - 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 OACa

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 Fill the minutes

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

Reminder

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Next meeting: December 12th, 2024 at 2:30 PM
Speaker: Eleonora Lai