



WP2.2 news

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12th March 2024

MS7 reporting

- ⇒ MS7 ended on Feb 29th
- ⇒ MS7 expected by March 15th from all flagship use cases.
 - ✓ Excellent progress. Essentially done. Thanks to all involved

Section 2

- TAR2.5 [MS report for UC2.2.1]. **KPI:** [Intermediate report provided];
- TAR2.6 [MS report for UC2.2.2, on approaching new interactive analysis frameworks for big data with a high throughput. This activity will be performed in synergy with WP5, regarding the infrastructural support and future upscaling with CN resources]. **KPI:** [Intermediate report provided];
- TAR2.7 [MS report for UC2.2.3, including identifying most suitable ML models and finalising the code development targeting the FPGA hardware in use at the moment.]. **KPI:** [Intermediate report provided];
- TAR2.8 [MS report for UC2.2.4]. **KPI:** [Intermediate report provided];
- TAR2.9 [MS report for UC2.2.5]. **KPI:** [Intermediate report provided];

Section 3

- TAR2.5 [MS report for UC2.2.1]: report included
 - KPI2.5: **Spoke2_WP2_TAR2.5**
- TAR2.6 [MS report for UC2.2.2, on approaching new interactive analysis frameworks for big data with a high throughput. This activity will be performed in synergy with WP5, regarding the infrastructural support and future upscaling with CN resources.]: report included
 - KPI2.6: **Spoke2_WP2_TAR2.6**
- TAR2.7 [MS report for UC2.2.3, including identifying most suitable ML models and finalising the code development targeting the FPGA hardware in use at the moment.]: Intermediate report provided
 - KPI2.7: **Spoke2_WP2_TAR2.7**
- TAR2.8 [MS report for UC2.2.4]: report included
 - KPI2.8: **Spoke2_WP2_TAR2.8**
- TAR2.9 [MS report for UC2.2.5]: report included
 - KPI2.9: **Spoke2_WP2_TAR2.9**

Tracking WP2.2 activities

- ⇒ Tracking of WP2.2 will happen in [this document](#). The document can be edited freely so you can update information. (Just the summary sheet is protected)
- ⇒ It contains also a list of conference opportunities (see next slide)
 - ✓ You are welcome to add in new conferences.

| | A | B | C | D | E |
|----|--------------------------|----------------------|------------------|---|--|
| 1 | Conference | Dates | Venue | Website | comments |
| 2 | AISSAI2024 | 4-7/3 2024 | Clermont-Ferrand | https://indico.in2p3.fr/event/30272/ | |
| 3 | ACAT 2024 | 11-15 Marzo | NY | https://indico.cern.ch/event/1330797/program | |
| 4 | ISGC 2024 | 25-29/3 2024 | Taiwan | https://indico4.twgrid.org/event/33/program | Call for abstracts closes on Nov 30th 2023 |
| 5 | EuCAIFCon | 30/4-3/5/2025 | Amsterdam | https://www.eucaif.org/ | |
| 6 | LHCP2024 | 3-7/6/2024 | Boston | https://indico.cern.ch/event/1253590/ | |
| 7 | | | | | |
| 8 | | | | | |
| 9 | Past conferences | | | | |
| 10 | LHCC 2023 poster session | 27 November | CERN | | Abstract deadline Oct 31st |
| 11 | XAI 2023 | 20-22/11/2023 | Milano | https://indico.cern.ch/event/1312529 | |
| 12 | ALPACA 2023 | 20-24/11/2023 | Trento | https://indico.ectstar.eu/event/184/ | |
| 13 | IML2024 | 29/1/2024 - 2/2/2024 | CERN | https://indico.cern.ch/event/1297159/overview | Call for abstracts closes on Nov 15th 2023 |
| 14 | | | | | |
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Conference Opportunities ▾
Conferences ▾
Publications ▾
🔒 Summary ▾




IFAE 2024 - April 3rd - 5th _ Florence

- ⇒ Deadline for abstract submission tomorrow at midnight
- ⇒ <https://ifae2024.fi.infn.it/>
- ⇒ Please consider submitting an abstract on you activities in WP2!
 - ✓ Good for young people
 - ✓ Could contribute significantly to our KPIs

Agenda di oggi

Bi-weekly WP2 meeting



 Tuesday 12 Mar 2024, 14:00 → 16:00 Europe/Rome

 Alberto Annovi (Istituto Nazionale di Fisica Nucleare), Piergiulio Lenzi (Istituto Nazionale di Fisica Nucleare)

Description Zoom link: <https://cern.zoom.us/j/61596304322?pwd=NVNxMGJQZWp0LzdZUzNUWk1rbkVGdz09>

14:00 → 14:10 **News**

🕒 10m 

Speakers: Alberto Annovi (Istituto Nazionale di Fisica Nucleare), Piergiulio Lenzi (Istituto Nazionale di Fisica Nucleare)

14:10 → 14:25 **Report from FPGA use case**

🕒 15m 

Speakers: Bernardino Spisso (Istituto Nazionale di Fisica Nucleare), Simone Gennai (Istituto Nazionale di Fisica Nucleare)

14:25 → 14:40 **Report from GPU use case**

🕒 15m 

Speaker: Adriano Di Florio (Istituto Nazionale di Fisica Nucleare)

14:40 → 14:55 **Report on ARM use case**

🕒 15m 

Speaker: Francesco Noferini (Istituto Nazionale di Fisica Nucleare)

14:55 → 15:10 **Report on interactive analysis**

🕒 15m 

Speakers: Francesco Giuseppe Gravili (Istituto Nazionale di Fisica Nucleare), Tommaso Diotalevi (Università e INFN, Bologna)

15:10 → 15:25 **Report on ultrafastim**

🕒 15m 

Speaker: Lucio Anderlini (Istituto Nazionale di Fisica Nucleare)



Backup

Reporting

New procedure agreed with the referees:

For each project milestone we will need to produce a report for each flagship UC.

Milestones are:

- ⇒ Month 18 (Feb '24) → Milestone 7
- ⇒ Month 22 (June '24) → Milestone 8
- ⇒ Month 26 (Oct '24) → Milestone 9
- ⇒ Month 36 (Aug '25) → Milestone 10

Every two months an interim short report is needed as well for every flagship UC

Flagship use cases

Flagship documents available at these links:

- ⇒ **Quasi interactive analysis of big data with high throughput**
 - ✓ Tommaso Diotallevi (UniBo), Francesco Gravili (UniSalento)
- ⇒ **Advanced ML: flash simulation and other bleeding edge applications**
 - ✓ Lucio Anderlini (INFN Fi)
- ⇒ **Development of ultra-fast algorithms running of FPGAs**
 - ✓ Bernardino Spisso (UniNa), Simone Gennai (INFN MiB)
- ⇒ **Porting of algorithms to GPUs**
 - ✓ Adriano Di Florio (Poliba)
- ⇒ **Physics validation of reconstruction code on ARM**
 - ✓ Francesco Noferini (INFN Bo)

Thanks to the work of the PIs over the summer and to all of your contributions



Flagship UC mailing lists

- ⇒ Quasi interactive analysis of big data with high throughput
 - ✓ [\[cn1-spoke2-wp2-analysisfacility\]](#), [subscribe](#)
- ⇒ Advanced ML: flash simulation and other bleeding edge applications
 - ✓ [\[cn1-spoke2-wp2-flashsim\]](#), [subscribe](#)
- ⇒ Development of ultrafast algorithms running on FPGAs
 - ✓ [\[cn1-spoke2-wp2-fpga\]](#), [subscribe](#)

Please subscribe to the list that is relevant for the work you are doing in ICSC.

ICSC spoke 2 github organization

Available at: <https://github.com/ICSC-Spoke2-repo>

People are encouraged to add repositories with software developed in the context of ICSC - spoke 2. Send us a request for the creation of repos/moving of repos

Important: if you are not the owner of a repository (e.g. because it is the repository of an experiment and it contains code other than the one developed in the context of ICSC), we'd still be interested in forking the repo in this organization

Having spoke 2 code in this organization is important for reporting/auditing from the referees