



# WP2.2 news

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26<sup>th</sup> 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

## ⇒ MS7 reporting completed

- ✓ <https://drive.google.com/drive/folders/1O2HLuRRWWQdSk58OvIB0gHuihIVlvr13?usp=sharing>

## 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**

# Deadlines this week!

- ⇒ Open calls **deadline March 29<sup>th</sup>**
  - ✓ <https://home.infn.it/it/pnrr-2/bandi-a-cascata/6409-pnrr-m4c2-bandi-cascata-icsc>
- ⇒ INFN workshop on computing May 20-24th
  - ✓ call for abstracts **open until March 29<sup>th</sup>**
  - ✓ <https://agenda.infn.it/event/40160/abstracts/>

# 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.

Conference	Dates	Venue	Website	comments
AISSAI2024	4-7/3 2024	Clermont-Ferrand	<a href="https://indico.in2p3.fr/event/30272/">https://indico.in2p3.fr/event/30272/</a>	
ISGC 2024	25-29/3 2024	Taiwan	<a href="https://indico4.twgrid.org/event/33/program">https://indico4.twgrid.org/event/33/program</a>	Call for abstracts closes on Nov 30th 2023
EuCAIFCon	30/4-3/5/2025	Amsterdam	<a href="https://www.eucaif.org/">https://www.eucaif.org/</a>	
LHCP2024	3-7/6/2024	Boston	<a href="https://indico.cern.ch/event/1253590/">https://indico.cern.ch/event/1253590/</a>	
IFAE 2024	3-5/04/2024	Firenze	<a href="https://agenda.infn.it/event/38127/">https://agenda.infn.it/event/38127/</a>	
ICHEP 2024	18-24/07/2024	Praga	<a href="https://indico.cern.ch/event/1291157/overview">https://indico.cern.ch/event/1291157/overview</a>	
CHEP 2024	19-25/10/2024	Cracow	<a href="https://indico.cern.ch/event/1338689/">https://indico.cern.ch/event/1338689/</a>	Deadline for abstracts: 10 May
MSML24	19-21/06/2024	Trieste	<a href="https://indico.sissa.it/event/107/overview">https://indico.sissa.it/event/107/overview</a>	Deadline for abstracts: 29 March
<b>Past conferences</b>				
LHCC 2023 poster session	27 November	CERN		Abstract deadline Oct 31st
XAI 2023	20-22/11/2023	Milano	<a href="https://indico.cern.ch/event/1312529">https://indico.cern.ch/event/1312529</a>	
ALPACA 2023	20-24/11/2023	Trento	<a href="https://indico.ectstar.eu/event/184/">https://indico.ectstar.eu/event/184/</a>	
IML2024	29/1/2024 - 2/2/2024	CERN	<a href="https://indico.cern.ch/event/1297159/overview">https://indico.cern.ch/event/1297159/overview</a>	Call for abstracts closes on Nov 15th 2023
ECFA	10-13/10/2023	Paestum	<a href="https://agenda.infn.it/event/34841/">https://agenda.infn.it/event/34841/</a>	
ACAT 2024	11-15 Marzo	NY	<a href="https://indico.cern.ch/event/1330797/program">https://indico.cern.ch/event/1330797/program</a>	

# Agenda di oggi

## Bi-weekly WP2 meeting

Tuesday 26 Mar 2024, 14:00 → 16:10 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>

- |   |         |  |       |   |
|---|---------|--|-------|---|
| <b>14:00</b>  | → 14:10 | <b>News</b>  | 🕒 10m | ✎ |
| Speakers: Alberto Annovi (Istituto Nazionale di Fisica Nucleare), Piergiulio Lenzi (Istituto Nazionale di Fisica Nucleare)  |         |  |       |   |
| <b>14:10</b>  | → 14:35 | <b>Physics validation of reconstruction code on ARM</b>                                      |       | ✎ |
| Convener: Francesco Noferini (Istituto Nazionale di Fisica Nucleare)  |         |  |       |   |
| <b>14:10</b>  |         | <b>Status report</b>   | 🕒 20m | ✎ |
| Speaker: Francesco Noferini (Istituto Nazionale di Fisica Nucleare)   |         |  |       |   |
| <b>14:35</b>  | → 14:55 | <b>Hyperparameter Optimization for Deep Learning Models Using High Performance Computing</b> | 🕒 20m | ✎ |
| Speaker: Muhammad Numan Anwar (Istituto Nazionale di Fisica Nucleare)   |         |  |       |   |
| <b>15:00</b>  | → 15:25 | <b>Porting of algorithms to GPUs</b>   |       | ✎ |
| Convener: Adriano Di Florio (Istituto Nazionale di Fisica Nucleare)   |         |  |       |   |
| <b>15:00</b>  |         | <b>Status report</b>   | 🕒 20m | ✎ |
| Speaker: Adriano Di Florio (Istituto Nazionale di Fisica Nucleare)  |         |  |       |   |
| <b>15:25</b>  | → 15:50 | <b>Development of ultra-fast algorithms running of FPGAs</b>                                 |       | ✎ |
| Conveners: Bernardino Spisso (Istituto Nazionale di Fisica Nucleare), Simone Gennai (Istituto Nazionale di Fisica Nucleare) |         |  |       |   |
| <b>15:25</b>  |         | <b>THE CMS LEVEL-1 TRIGGER DATA SCOUTING FOR LHC RUN 3 AND THE CMS PHASE-2 UPGRADE</b>       | 🕒 20m | ✎ |
| Speaker: Sabrina Giorgetti (Università di Padova e INFN)  |         |  |       |   |