



WP2.2 news

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MS7 deadline approaching

- ⇒ MS7 will end On Feb 29th
- ⇒ We have been asked to provide a report by mid March
- ⇒ The draft report is [here](#) and is composed of
 - ✓ A section 1 that is fixed
 - ✓ A section 2 with the targets for MS7 for each flagship. Each target is a report, either generic, or specific, in case something specific was declared for MS7 in the flagship document
 - ✓ A section 3 with checkboxes (will be green if we provide a report)
 - **Action on the flagship PIs: be aware that the spoke will have to provide these reports by mid-march. Let us set a WP2 deadline end of Feb. It is going to have to be added to the flagship documents**

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**

Preparations for MS8 - 9 -10

- ⇒ A document similar to the one just presented for MS7 is needed for these milestones as well
- ✓ Section 1, is frozen and the same for all the milestones
 - ✓ Section 2, the targets **is due on Feb 20.**
 - Current draft is [here](#) for MS8 (MS9 and 10 in the works), and was built extracting the relevant text (i.e. what was promised, by when) from each flagship document.
 - **Between now and Feb 20 there is a window of opportunity to remodulate slightly what was promised in the flagship documents.**
 - **Action on the flagship PIs: please let us know if you want to make changes ~now, by Thu Feb 15th at the latest.**

Innovation Grants/Open Calls

- ⇒ Innovation grants:
 - ✓ Several are related to WP2, will invite them from time to time to present their status.
 - ✓ New tranche upcoming, any interest?
- ⇒ Open calls, related to WP2:
 - ✓ Two for public beneficiaries (universities etc)
 - Development of data acquisition and trigger strategies in the context high background, rare event experiment, using acceleration on hybrid CPU/FPGA architectures, in the context of the activities of the Spoke2 in ICSC
 - Development of algorithms for boosted topologies at LHC/FCC, in the context of the activities of the Spoke2 in ICSC
 - ✓ 1 for industry (related to ARM)
 - ✓ Calls are being finalized these days

Innovation grants

TITOLO	DITTE	WP
Hammon	SOGEI+UNIPOLSAI +IFAB	W6
IDL	Leonardo+TASI	WP5 per la parte Data; WP6 per la parte Blockchain
PIML	ENI	WP2
Predictive maintenance	ENI	WP3
Agri@Intesa	Intesa+TASI	WP6
Fraud Detection	Intesa	WP2
Eni@Ferrera	ENI	WP1
Federated Learning	Intesa	Non necessario
SOW	IFAB	WP6
SAFE	IFAB	WP2

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					
15					
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Upcoming conferences

- ⇒ 4–7 Mar 2024, Clermont-Ferrand, AISSAI Anomaly Detection Workshop, <https://indico.in2p3.fr/event/30272/>
- ⇒ 11 March, ACAT, Stony Brook, <https://indico.cern.ch/event/1330797/>
- ⇒ ISGC 2024: International Symposium on Grids & Clouds, 24-29 Mar 2024, Academia Sinica, Taipei, Taiwan (Taiwan) <https://indico4.twgrid.org/event/33/>
- ⇒ 30 April - 3 May 2024, Amsterdam, European AI for Fundamental Physics Conference <https://www.eucaif.org/>
- ⇒ 3–8 Jun 2024, Boston, USA, 12th Edition of the Large Hadron Collider Physics Conference <https://indico.cern.ch/event/1253590/>
- ⇒ ALPACA 2024, 20-24 November 2024, Trento, <https://indico.ectstar.eu/event/184/>
- ⇒
- ⇒ **Please consider them for abstract submissions!**

Agenda di oggi

14:00 → 14:10 **News**
 10m 

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

14:10 → 15:00 **Porting of algorithms to GPUs: Advanced Machine Learning Flash Simulation and bleeding edge applications**


Convener: Lucio Anderlini (Istituto Nazionale di Fisica Nucleare)

14:10 **Overall status of the flagship**
 20m 

Speaker: Lucio Anderlini (Istituto Nazionale di Fisica Nucleare)

14:30 **Discussion on the detailed plan towards MS10**
 20m 

Speaker: Lucio Anderlini (Istituto Nazionale di Fisica Nucleare)

15:00 → 15:50 **Quasi interactive analysis of big data with high throughput**


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

15:00 **News**
 15m 

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

15:15 **High Rate platform documentation**
 30m 

Speaker: Francesco Giuseppe Gravili (Istituto Nazionale di Fisica Nucleare)