

Meeting of the minutes meeting 11th May 2023

Paolo takes notes. Cloud link for zoom recording:

Apologies: Marco Landoni, Michele Moresco, Leonardo Primavera, Luca Pagano, Giuseppe Andronico

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Agenda:

- Updates on UC
- Feedback from groups on flagships UC and KPI
- Status of survey on resources
- New slot for telecons?
- AOB

Recording link for this form:

Edoardo suggests we set up close captioning to ease the note taker. **A/I on Paolo to set up zoom captioning from next telecon.**

The Bari node has hired a new RTDA. They will discuss with him about plans, which will take some time. Paolo to insert Nicola's address in the mailing list, if not already done autonomously. A/I on Bari to plan for a 10 minute update.

A new use case from Bologna (Marco Baldi) is still awaited.

Michele Moresco UC is now in group one. Claudio Corianò (Lecce) is now in WP1. No news from Alvise Raccanelli. Paolo will try to bug him.

Pia Astone introduces Lorenzo Fiorini who has taken a CN HPC position in Roma as INFN technologist. Lorenzo is present on call. Paolo: If you want to provide an update next time this is welcome (do not feel obliged!)

Paolo reminds everyone about flagship UC and associated KPI. Some UC will go upfront (and get priority access to resources) and will be evaluated on the basis of the KPI they promise.

Edoardo Milotti reports on activity in group 1 (GW). Activities have started, flagship discussion is not yet finalized. They will report next time.

Update from group 2 (astroparticle). Alessio Tiberi reports about a discussion within the group. The group does not have anything to present right now. They will update at a later time. They will try to update by next telecon. Gialex Anastasi adds that the data access policy of several collaborations makes it very complicated to use anything different from the open data. This has an impact on the definition of KPI. The limitation does not arise from CN HPC but it is on the side of the collaborations. This is not easily solved with a MoU or similar.

Paolo reminds that in order to choose a flagship several UC and be pooled together but this is not compulsory. Having flagships at the “granular” level is equally fine.

Leonardo Primavera updates on Group 3 (numerical simulations). They decide not to propose any flagship UC for this group.

Giovanni Mazzitelli updates for Group 4.

Pipeline optimization for space and ground based experiments

2 use case INAF 2 use case INFN

4. Pipeline optimization for space and ground based experiments

Roberto Peron - INAF - Pipelines for space gravity missions
Giuseppe Andronico - INFN CT - Pipeline for JUNO and similar experiments
Giovanni Mazzitelli - INFN LNF - Pipeline per CYGNO and similar experiments in CSN2
Valentina Fioretti - INAF - Simulation pipeline for GEANT4 with NASA COSI as a test bed

- we had two meetings online;
- we presented our use cases to all the task group
- we collected in a spreadsheet(*) activities and milestones
- we discussed synergies and common solutions among the use cases
- we found that it's crucial to have:
 - more deeper knowledge of common practices and solutions to similar problems.
 - knowledge of the platform (DATA cloud?) and services offered
 - have a data/metadata manager system (RUCIO?)
- **conclusion:** we think that more than a single flagship use case, could be useful to elaborate a **common project** with defined **milestones** and a **deliverable** to be achieved by all of us

(*) https://docs.google.com/spreadsheets/d/1d5_m0CZ5rlpr-zy4jkgQxeovbLfhtc8mnykvCYjXBQU/

This intends to present a single flagship UC, but a single common project will be even more useful, with defined milestones. The title could be the group 4 task name. But they need to understand better how the platform will offer services and how to update the services to the UC. Paolo highlights that there is very good progress in this group. Giovanni and the other members will start to write down a general description (waiting to know better about the platform)

Group 5 (astrophysics): activities did not start. Luca Pagano reports that it is difficult to set up a single flagship UC here. But we could have two or three UC. Paolo Natoli and Luca Pagano take an action item to set up a meeting (timescale is unclear due to several issues)

Paolo updates about the situation of open calls. Two proposal received (from Firenze and Frascati-LNF, one awaited from INAF)

Edoardo Milotti reports about an innovation grant in Trieste (target is ENI, not Accademia).

Outcome of the survey

Marco not present on call. Survey discussion is postponed.

Reminder

A/I on everyone to update the information missing either by the form or directly on the sheet BY NEXT TELECON.

Link to the sheet:

https://docs.google.com/spreadsheets/d/10mhUzstqvnoOsl06_GqLFINYCNtnAXVM5ML3g34QoMU/edit?usp=sharing

Simone Gennai updates about the WP4 crash course on GPU, planned online on 19 June. There is a google doc where people should set forth their desiderata:

https://docs.google.com/document/d/175gAAwB0uwQiptxAi_lvgU_NEFDyilv2oLb4Td3Ejnw/edit

There is a python specific form (the previous sheet is largely to port C++ code to CUDA):

https://docs.google.com/forms/d/e/1FAIpQLScFTL72bk_YTtYrAUfCqTFIxtWg7kjC0puT0BYivd4bnw2qVw/viewform?vc=0&c=0&w=1&flr=0

Agata Trovato acts as POC for WP3.

Giulia Despali: will the course be repeated? Simone Gennai; possibly, but format is unclear.

AOB: Paolo discusses about finding a new slot: it is difficult to converge. Marco and Paolo take the action item to circulate a doodle. Next telecon is confirmed on the usual slot (Thursday 11 Mat at 11:30)

AOB: Paolo reports about info from the spoke leaders about how to acknowledge Spoke 2:

<https://docs.google.com/document/d/1F90HhuUfWghNDK-C4hi7WBP7NFJdTzRY8ALIJpla9vw/edit?usp=sharing>

