



# ~~2023~~/2024 Roadmap

~~7th~~ 9th RCS-ICT Technical Committee

3rd November 2023

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# Remaining Technical Committees in 2023

## ● 1st September

- ~~RUCIO~~: tentative report on the steps towards the production of a PSO. In particular, an update about the two main items: ATLAS+CMS support and the Reference Implementation for CERN SMEs and Projects.
- ~~Non-X86 architectures/heterogenous~~: update on the development of the PSO. Input is needed for the preparation of the Steering Committee meeting in November

## ● 6th October

- ~~Speeding up MC generators~~: technical discussion of goals, resources, etc. Status of the planning for the workshop and a discussion of possible concepts for the overall framework of this initiative.
- ~~Preveissin Data Center~~: presentation on current status and plans for its use. Good opportunity to gather and steer some activities that might be of common interest in RGS.
- ~~Discussion on a possible PSO for "AFS/filesystems future scenarios"~~. Bigger picture than strict \$HOME replacement and envisaging a potential change of model and practices.

## ● 3rd November

- ~~Collaborative Tools and Services~~: current state of the actions.
- ~~ICT critical services~~: presentation of the collected input by all RGS communities on critical services required during data taking by the experiments and/or big impact.

## ● 6th December

- TBD

From 1st September technical committee

# Remaining Technical Committees in 2023

- **8th December (10th RCS-ICT technical committee)**
  - **Collaborative Tools and Services:** update current state of the actions
  - **Linux Operating Systems** Landscape/Roadmap for the next years

# 2024 Roadmap proposal

## Proposal based on the collected list of topics

- **2 Feb**, 11th RCS-ICT TC: **Networks**
  - Potential R&D activities for Run4. Suggested improvements on Network Monitoring, Landb, Network-QoS. LS3 network-related works in the experimental areas, etc.
  - Session structured in two parts
    - Gather experiments and sector views (**we expect a document or slides representing the input from your community**)
    - We also suggest to have an update of plans by the IT network team (if agreed contact CS group)
- **8 Mar**, 12th RCS-ICT TC: **Monitoring and Container Registry**
  - **Monitoring**: Status and perspectives of the monitoring for the experiments: MONIT. Review the status and discuss needs and possible evolution for the monitoring of the network in general.
    - Usual structure. Gather experiments and sector need, IT update on monitoring plans.
  - Update on the IT **Container Registry** service offering
- **26 Apr**, 13th RCS-ICT TC: **Performance optimisation of Software and Hardware**
  - **Software/hardware optimisation**: Organise and scope a wide RCS activity focused on understanding how to optimise the code vs. hardware. Aiming to gather expertise from both sides: software developers and hardware/service engineers
  - **Green** computing: optimise architectures and code, to improve efficiency with defined KPI (eg. joules/event, Carbon footprint for services wrt. usage, etc.)

**Remind this is not carved in stone, but a baseline, if emerging topics appear bring them up - we have the flexibility to adapt!**

# Reminder: RCS-ICT dates for 2024

<https://indico.cern.ch/category/16297/>

- 2nd February
- 8th March
- 26th April
- 24th May
- 21st June
- 12th July
- 6th September
- 4th October
- 1st November
- 6th December

