



Welcome

EURO-LABS Advanced Training School
on collaborative software
developpement practices



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EURO-LABS

PROJECT ACRONYM: EURO-LABS – EUROpean Laboratories for Accelerator Based Sciences

PROGRAMME: Horizon EU (Research infrastructure services to support health research, accelerate the green and digital transformation, and advance frontier knowledge)

DURATION: September 2022- August 2026 (4 years)

CONSORTIUM: 33 participants from 18 countries

SCIENTIFIC COORDINATOR: Navin Alahari (GANIL)

The project brings together, for the first time, the three research communities of nuclear physics, accelerator and detector technologies for high energy physics, in a pioneering super-community of sub-atomic scientists.

It provides effective access to a network of 45 Research Infrastructures (including 3 RIs with Virtual Access) to conduct curiosity-based research, addressing fundamental questions and technological challenges and advancing projects with broad societal impact, fostering knowledge sharing between scientific fields and enhancing Europe's potential for successfully facing future challenges.

It allows a synergic implementation of best practices for data management and activities relating to targeted service improvements at these RIs. Joint training activities are foreseen to develop the skills of the next generation researchers to optimally use the RIs services for scientific and technological discoveries.



Goal of the School

- Learn and develop skills in Data Management and associated Collaborative Software practices
- Expose Open Data and Open Science Practices in Research
- Exchange about your practices
- Practical approach

Content of the school

- Lectures :
 - Git/gitlab,
 - Snakmake,
 - Data reproducibility,
 - Data management
- Large time devoted to Hands-on session

Lecturers

- **Programme and Lecturers**

- **GitLab** — Phil Davis (LPC Caen) (Monday , Tuesday)
- **Hands-on Data Challenge** — Adrien Matta (LPC Caen, CNRS) and Jérémie Dudouet (IP2I Lyon, CNRS), Freddy Flavigny (LPC-Caen)
- **Snakemake** — Adrien Matta (LPC Caen) (Wednesday)
- **Micromamba environment** — Freddy Flavigny (LPC Caen) (Monday)
- **Data Management** — Quentin Fable (GANIL) (Thursday)
- **Reproducibility** — Charlie Paxman (GANIL) (Thursday)



Online program and slides : <https://indico.in2p3.fr/event/37562/>

Some practical aspects

- Breakfast / Lunch at the GANIL canteen
- Dinner :
 - Tonight Ice breaker downtown,
 - Tue, Wed, Dinner downtown or also possible to use Guest House kitchen
 - Social Dinner (Thursday 5th) => Register if not yet done so !
- Visit of GANIL experimental areas on Wednesday 13:30

- Travel / Accomodation support by EURO-LABS
 - Sign the presence sheet
 - Keep tickets for housing and travel=> to be provided at the end for Reimb't.

Hope you will enjoy this week

Let's get started !