

1st ROOT Hackathon - the Fixathon

Introduction

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1. Solve or provide a resolution strategy for the possibly largest number of issues in the trackers of the ROOT project.

2. Explain, hands-on, how to contribute to ROOT, following the guidelines of the project and Open Source best practices.
3. Illustrate how software development happens for large scientific, open source software package.
4. Spend all together, devs and users, two pleasant and very productive days, learning from each other.

09:00	→ 09:10	Welcome to the 1st ROOT Hackathon Speaker: Danilo Piparo (CERN)	🕒 10m	✎
09:10	→ 09:20	Idea Square Speaker: Dina Zimmermann Welcome_t... Welcome_t...	🕒 10m	✎
09:20	→ 09:40	30' self-introductions	🕒 20m	✎
09:40	→ 10:00	1st ROOT Hackaton: The Fixathon Speaker: Marta Czurylo (CERN)	🕒 20m	✎
10:00	→ 11:00	Hacking	🕒 1h	✎
11:00	→ 11:20	Coffee Break	🕒 20m	
11:20	→ 12:30	Hacking	🕒 1h 10m	✎
12:30	→ 13:30	Lunch	🕒 1h	
13:30	→ 15:30	Hacking	🕒 2h	✎
15:30	→ 15:50	Coffee Break	🕒 20m	
15:50	→ 17:20	Hacking	🕒 1h 30m	✎
17:20	→ 17:50	1st Day Wrap up <ul style="list-style-type: none"> How much did we progress? What did work well? What could be improved? 	🕒 30m	✎
19:30	→ 22:00	Dinner at Luigia Meyrin 5 minutes by car or 20 by foot https://www.luigia.ch/en/restaurant/luigia-meyrin (Hive Campus) Map: https://maps.app.goo.gl/gsvKN8yEFbr3B8wMA	🕒 2h 30m	

- The schedule: [indico page](#)
- Important: do you have a **working development environment with a ROOT installation with debug symbols?**
- Do you have a github account and know how to open a PR?



Groups and coordinators

- We will be 29 in total
 - Split into 5 groups
 - Each group has a **coordinator** and co-coordinators
 - You will choose where you'd all like to seat - we have the whole space for ourselves - each group will have their own "container" - office space
 - Don't hesitate to ask questions, work together, communicate with the coordinators, ask other colleagues

Group 1:

- **Bertrand Bellenot**
- Florine de Geus
- Luis Antonio Obis Aparicio
- Alkin Anton
- Grigori Rybkin

Group 2:

- **Jakob Blomer**
- Olivier Couet
- Jolly Chen
- Marcin Nowak
- Peter Van Gemmeren
- Alvaro Tolosa-Delgado

Group 3:

- **Vincenzo Eduardo Padulano**
- Devajith Valaparambil Sreeramaswamy
- Pere Mato Vila
- Ianna Osborne
- Aaron Jomy
- Juraj Smiesko

Group 4:

- **Marta Czurylo**
- Lorenzo Moneta
- Jonas Hahnfeld
- Khawla Jaffel
- Daniel Perez Astudillo
- Stephanie Kwan

Group 5:

- **Danilo Piparo**
- Monica Dessole
- Vit Kucera
- Tanmay Pani
- Rishi Raj
- Maciej Pawel Szymanski



Kanban board and workflow

We collected issues that are relatively easy to solve within 2 days in the [kanban board](#)

The Kanban board is divided into five columns:

- Backlog** (113/200, Estimate: 1): This item hasn't been started. It contains several issues, including #14599 (re-labeling), #14593 (build fails), #14586 (namespace statement), #14584 (cycle numbers), #14583 (TTree documentation), #14585 (Regex), #14564 (Random123), and #14565 (parameter).
- In progress** (0/3, Estimate: 0): This is actively being worked on.
- Stuck - need help** (0, Estimate: 0): If you feel stuck and would like help from another person.
- PR is open** (2/5, Estimate: 2): This item is in review. It contains two items: #14609 (documentation) and #14644 (crash due to overflow).
- Done** (3, Estimate: 0): This has been completed. It contains three items: #7617 (memory leaks), #8095 (pyROOT installation), and #14548 (missing constructor).

Goal: populate PR is open and Done columns as much as possible!

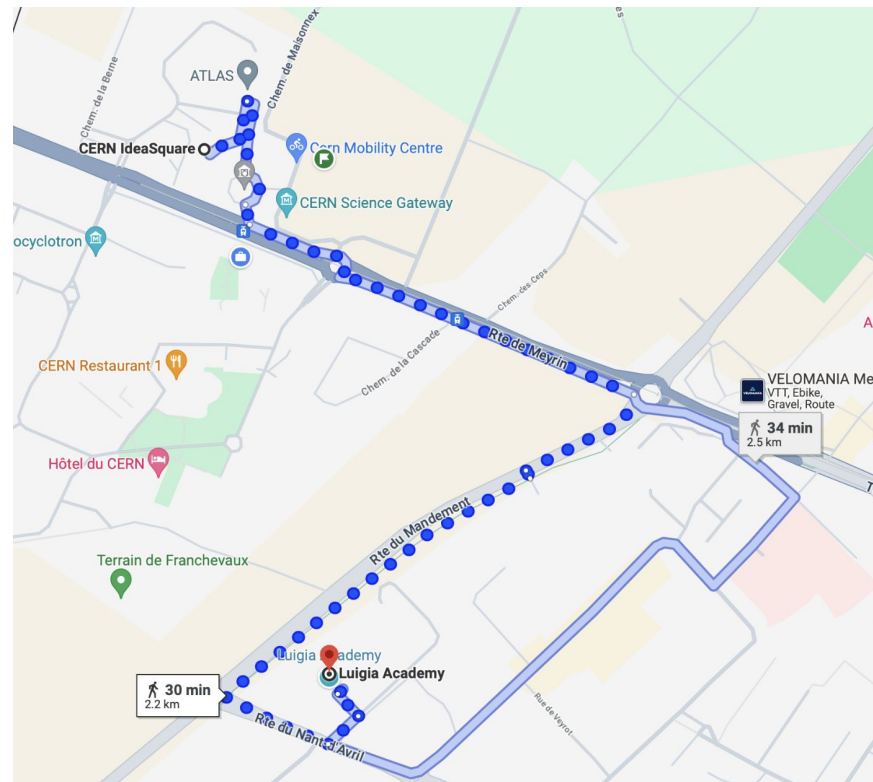
Workflow

1. Select an issue that you want to tackle from **"Backlog"** column
2. The group (co-)coordinator moves the issue to **"In progress"** column and assigns to the right person
3. Once you solve the issue and open a PR, (co-)coordinator moves it to **"PR is open"** column and assigns correct reviewers in the PR, adds missing labels etc.
4. After the review is done and PR is merged – (co-)coordinator marks it as **"Done"**
5. Extra step: in case of an issue and no direct help from teammates - (co-)coordinator moves an issue to **"stuck - need help"**



Coffees, lunches & dinner

- The coffee machine is located in the kitchen - take as many coffees and snacks as you need
- Lunch will be prepared here, in the kitchen, by Vincenzo & Danilo
 - Vegan, vegetarian and non-vegetarian options available
 - If you have any dietary requirement talk directly to Vincenzo and Danilo
- Dinner - today - at 7:30pm in [Luigia](#)
~30min walk from here
 - If you haven't replied yet or your plans have changed - please tell us directly





Pictures during the day

- We would like to take some pictures during the day
- Some will be posted on our website (potentially also on official CERN or ROOT social media accounts)
 - if you don't want to be in the pictures - let us know now



Let's move to a round of
introductions!



Thanks for coming and enjoy!