



# ESCAPE

European Science Cluster of Astronomy &  
Particle physics ESFRI research Infrastructures

## ESCAPE Data Science Summer School 2021

Organisation  
Thomas Vuillaume



# Who are we?



# Thank you!

## The organizers

Mathilde Hubert, Giovanni Lamanna, Julie Chaudan, Enrique Garcia, Frédéric Gillardo, Vincent Poireau, Arturo Sanchez Pineda, Jutta Schnabel, Thomas Vuillaume

And with the help of:

Cécile Barbier, Maud Coppel, Corinne Feuillar, Sylvain Garrigues, Cécile Jacob, Patrick Letournel, Caroline Marchand, Rachel Nabet, Pierre Aubert, Marie Paturel

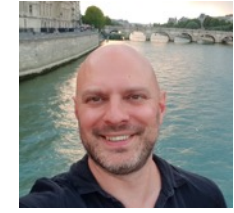
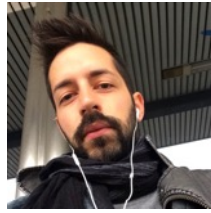


Find out about them:

<https://indico.in2p3.fr/event/20306/page/2710-organizing-committee>



# Thank you!

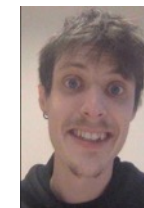


## Our tutors



Tamas Gal
Axel Donath
Maximilian Nothe
Rachael Ainsworth
Martino Sorbaro
Mikael Jacquemont
Julien Peloton
Arturo Sanchez
Pineda

Enrique Garcia
Aleberto Iess
Karl Kosack
Jutta Schnabel
Eduardo Rodrigues
Frederic Gillardo
Claudia Beleites
Benson Muite



Find out about them on:

<https://indico.in2p3.fr/event/20306/page/2707-list-of-tutors>

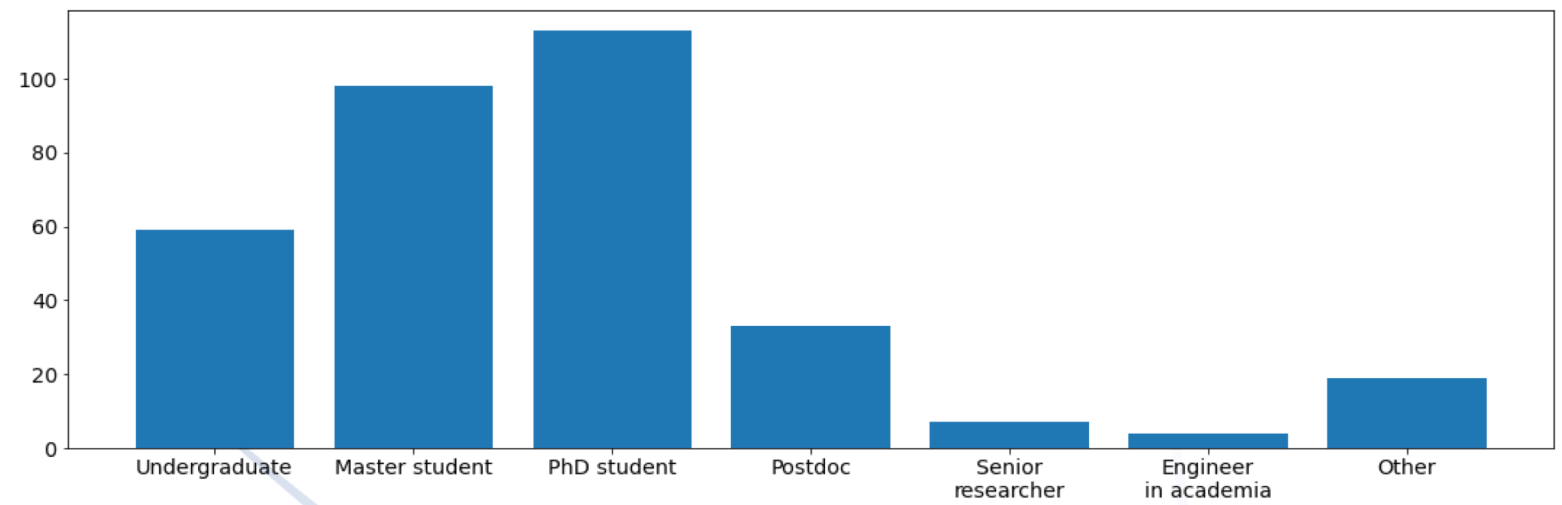
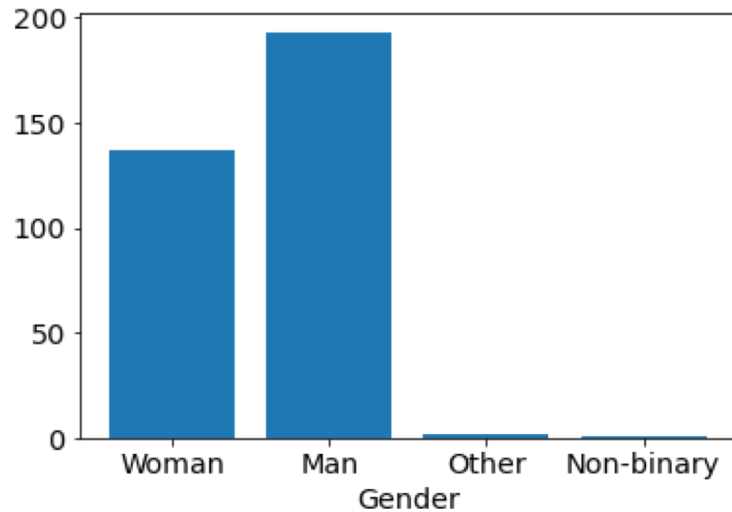
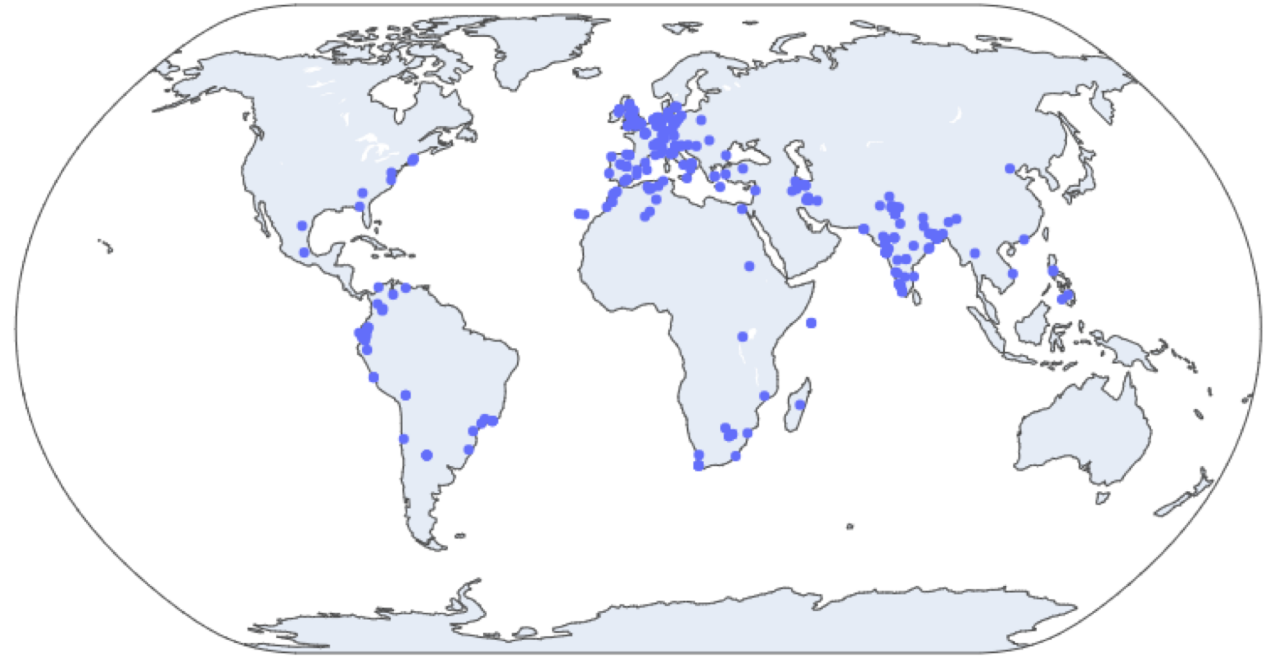
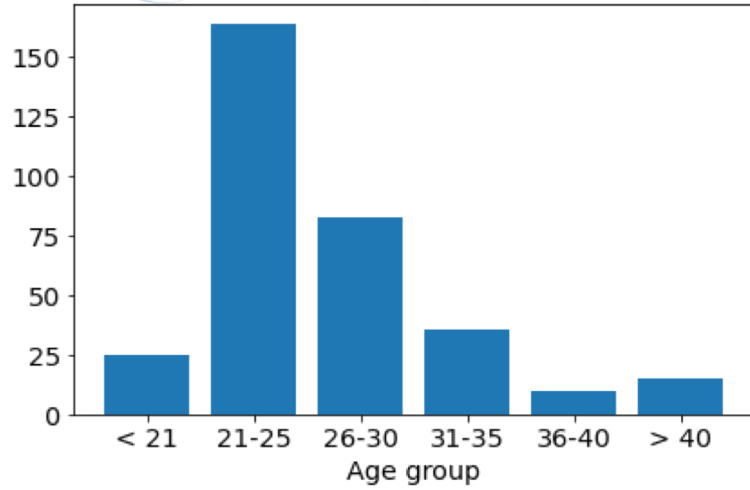


# Who are you?

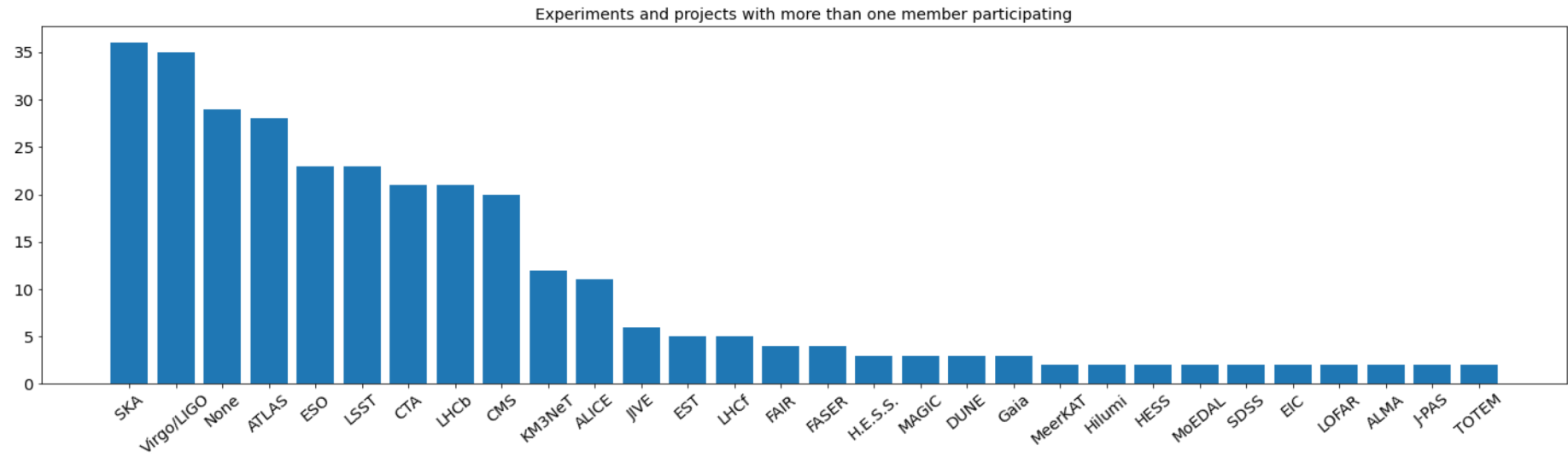
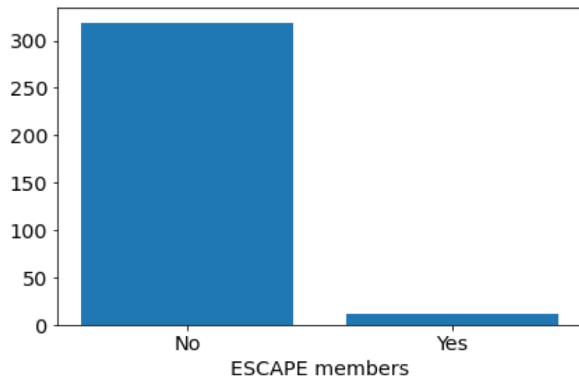
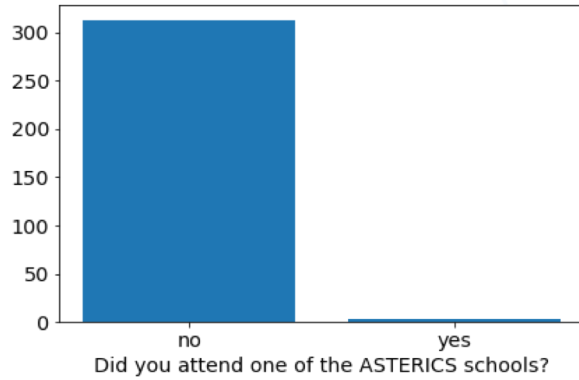
\*based on 385 answers

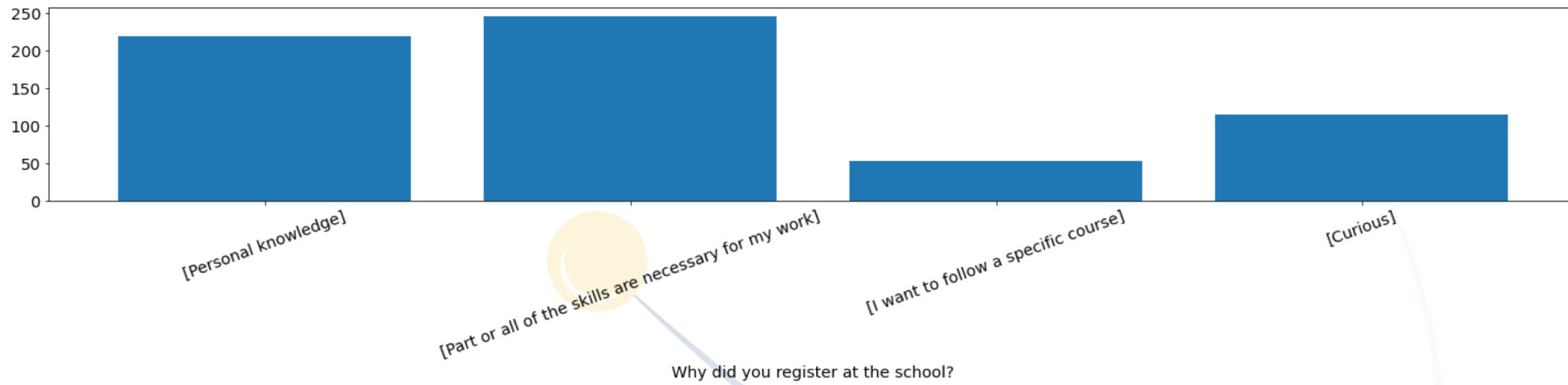
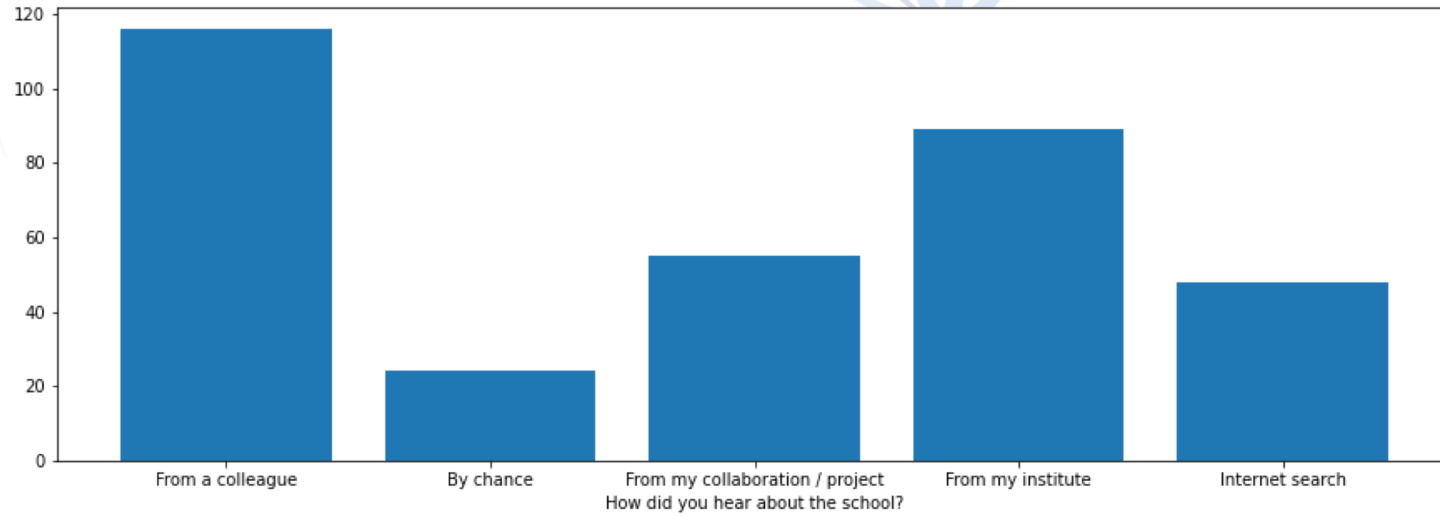


# An broad community

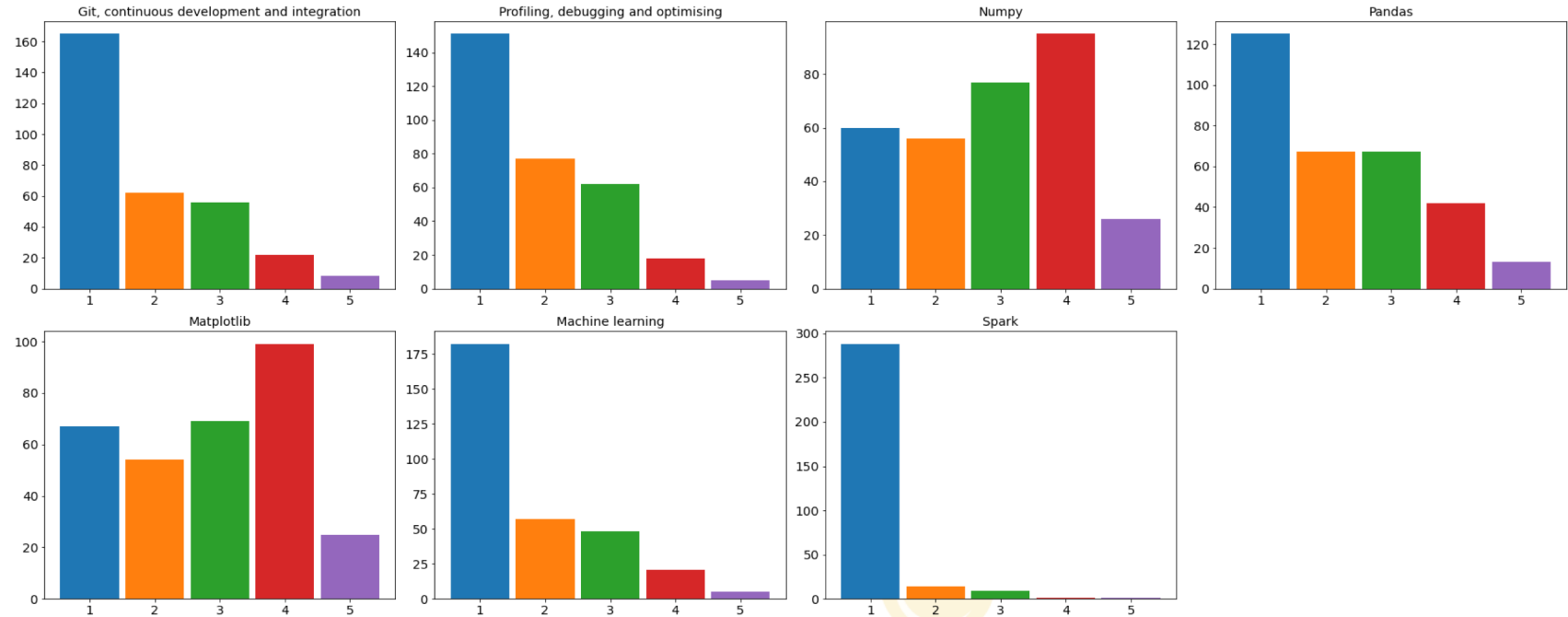
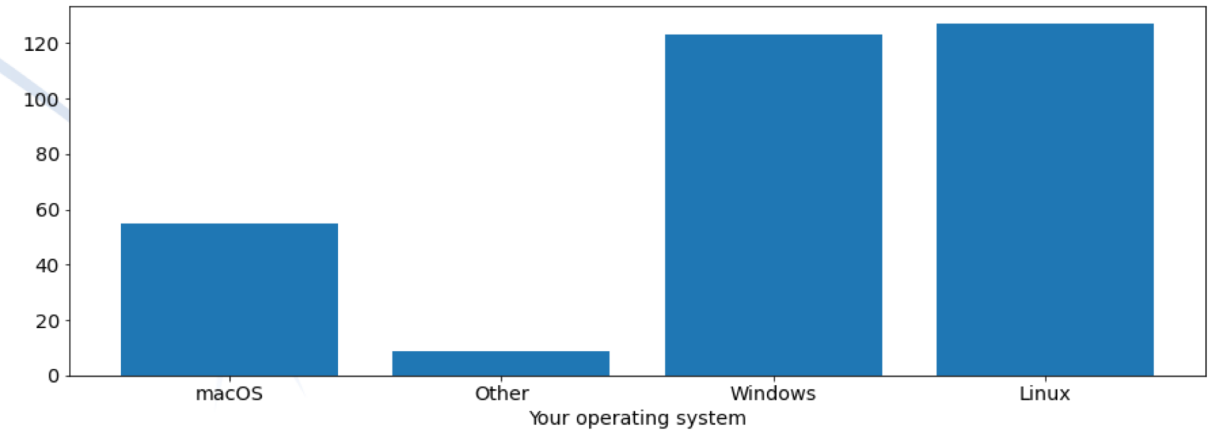


# Community members

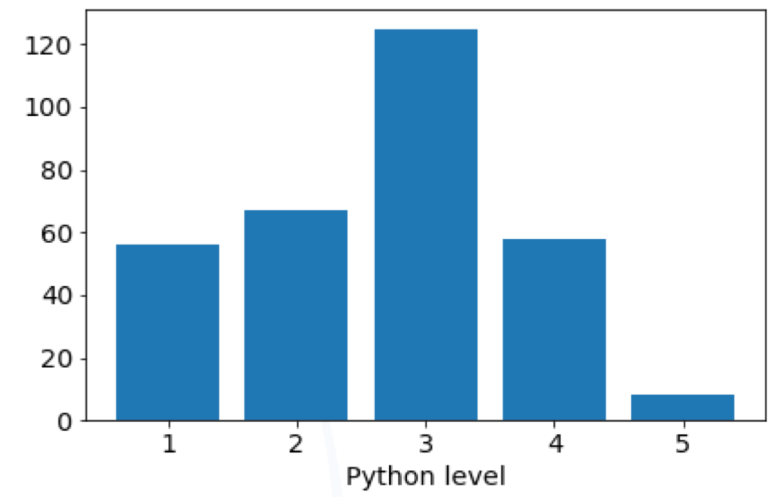




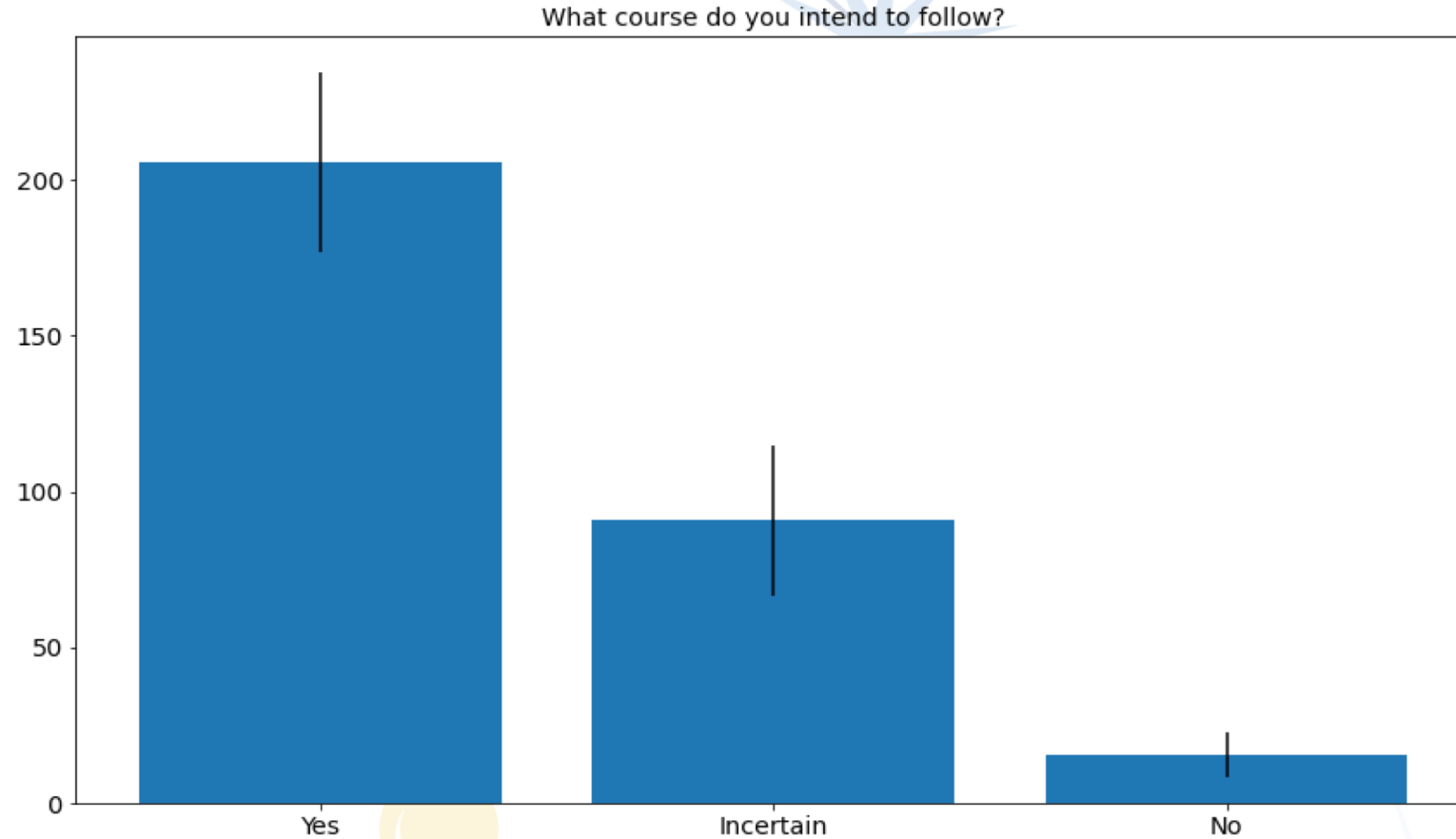




Your current level in each topic



# Summary of your aims



Means and standard deviations of answers for each course



# More on the organisation of the school itself



● School entry point

● Where you registered

● Main information about the school, organization, agenda, tutors...



**ESCAPE SUMMER SCHOOL**  
Data Science for Astronomers, Astroparticle  
& Particle Physics

7 to 18 June, 2021  
Laboratoire d'Annecy de Physique des Particules, Annecy, France

#ESCAPESCHOOL21

Horizon 2020  
European Union Funding  
for Research & Innovation

LAPP

**ESCAPE SUMMER SCHOOL**

7-18 juin 2021  
LAPP  
Fuseau horaire Europe/Paris

#### Overview

Scientific Programme

Agenda

Ma conférence

↳ Mes contributions

Registration

List of Tutors

Due to the current situation in France and the rest of the world, the **ESCAPE Summer School** has been moved to an **online event happening from 7 to 18 June 2021**.

**Registrations opening date: from 26 April to 31 May.**

Acceptation to the school is automatic within the limit of available seats. All information regarding the school organisation will be sent to participants after the registration deadline.

**The registration is now closed.** However, all the school content will be freely available to everybody.

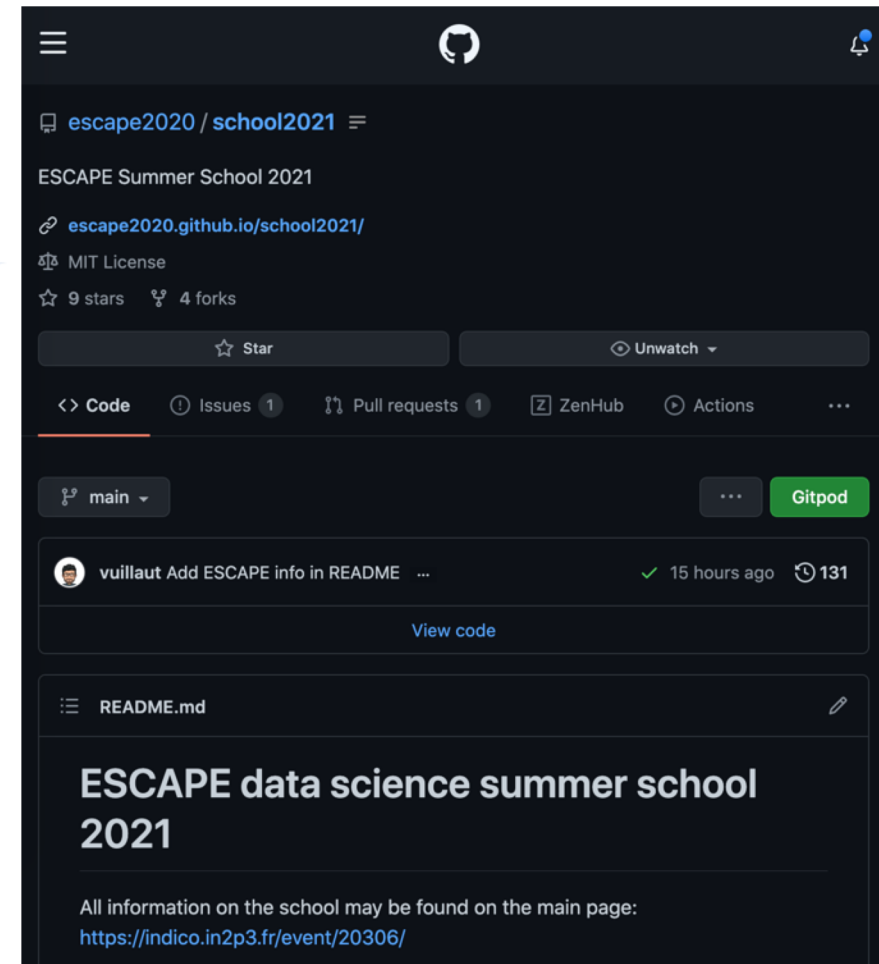
Please, go our lectures portal to find the necessary links:

<https://escape2020.github.io/school2021/>

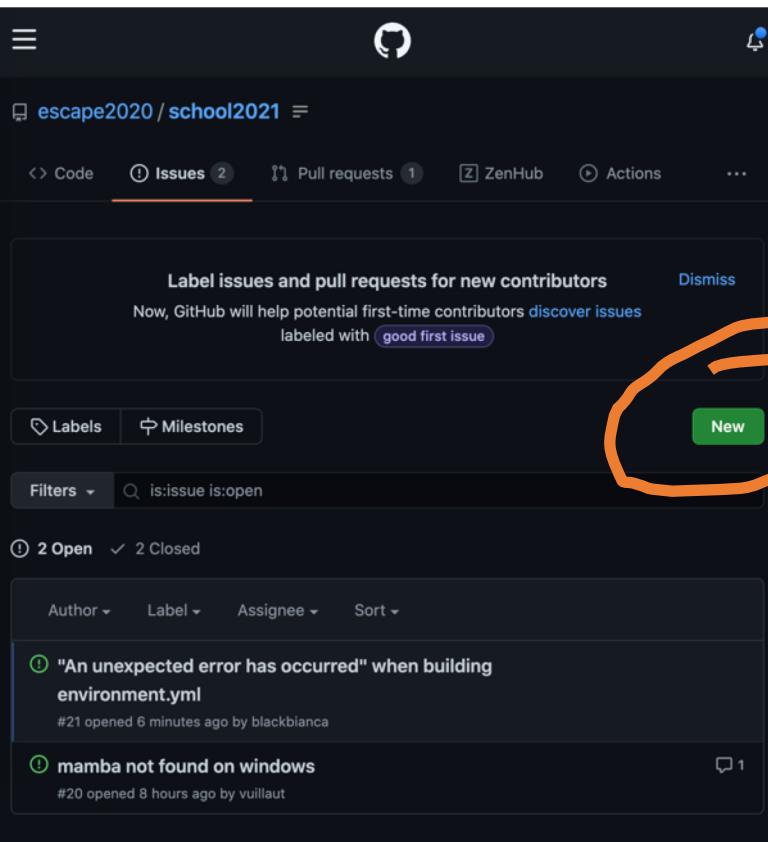
<https://indico.in2p3.fr/event/20306/>



- <https://github.com/escape2020/school2021>
- Installation instructions
- Material for the lectures
- Will be updated during the school
- Learn how to use it during the git lecture, Tuesday June 08



<https://github.com/escape2020/school2021/issues>



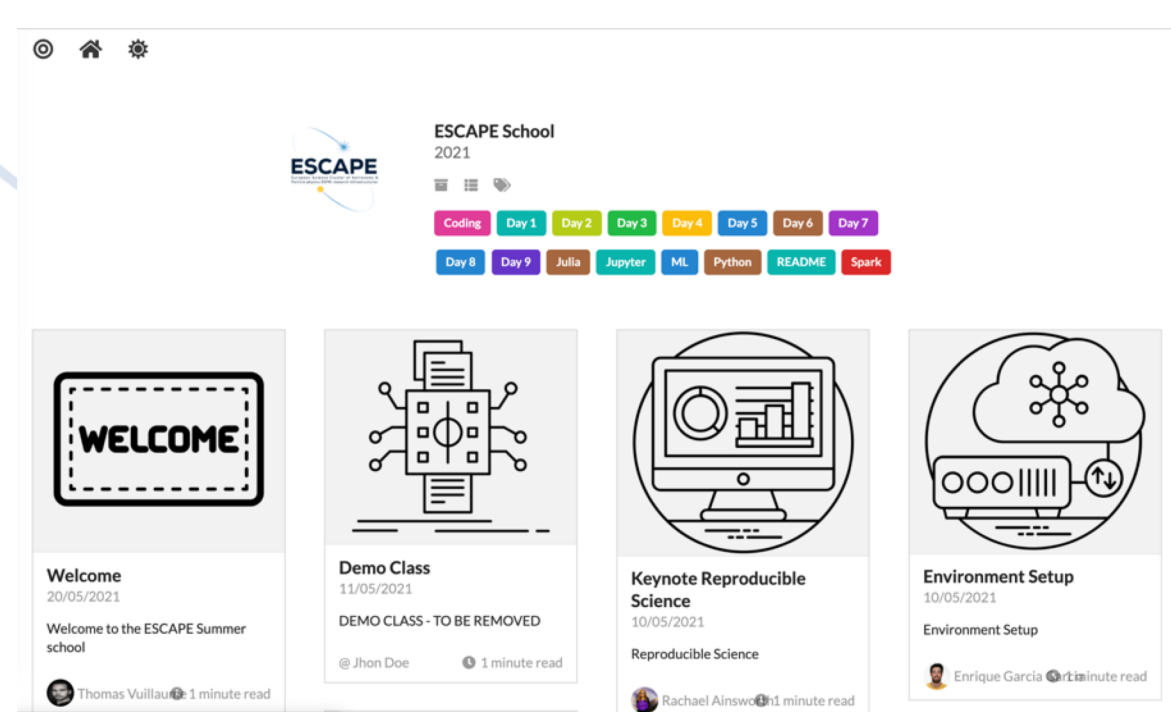
Having technical issues ?

- Check if a similar issue has not been solved already in the closed issues
- If not, open a new one
- Describe your problem as clearly as possible, add logs and information about your system, steps to reproduce the issue
- Watch for answers 🙌



# Lectures portal

- One page per lecture with all the information summarized
  - path to material
  - slides
  - recorded lecture
- Open and accessible during and after the school



<https://escape2020.github.io/school2021/>



# YouTube channel

- Lectures are broadcasted live on youtube, recorded and freely accessible afterwards

- **YouTube live:**

[https://www.youtube.com/channel/UC05braEQdP2rCSUamHm9l\\_Q/live](https://www.youtube.com/channel/UC05braEQdP2rCSUamHm9l_Q/live)

- **YouTube playlist:**

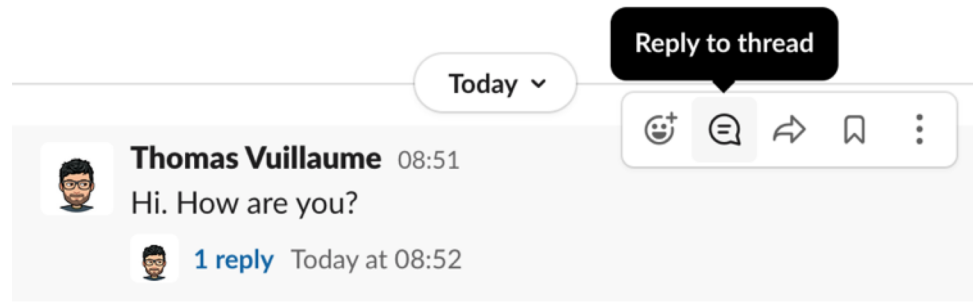
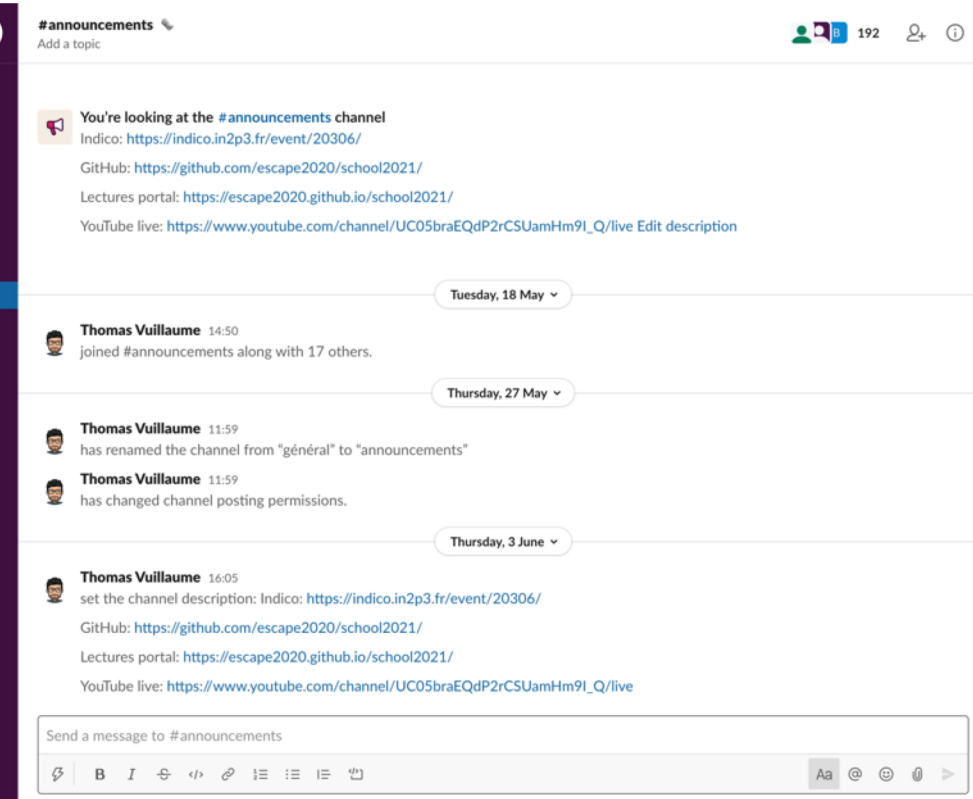
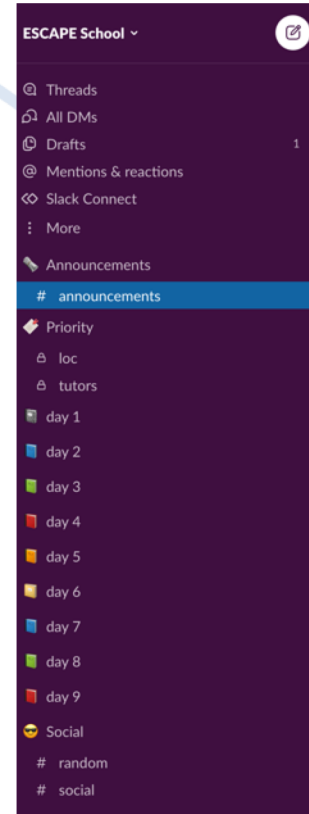
[https://youtube.com/playlist?list=PL5l3baTu76qPbYZIRK0Yhr4P\\_wsl-84Hn](https://youtube.com/playlist?list=PL5l3baTu76qPbYZIRK0Yhr4P_wsl-84Hn)





<https://escape-data-school.slack.com/>

- By invitation only
- Main communication tool during the school
  - Watch for announcements!
- Ask questions during live lectures on the dedicated channel (dxx-name)
  - E.g. for this presentation: #d01-mon07-school-organisation
- Direct message other participants and tutors
- Open new channels with fellow participants on specific topics (related to the school or not)
- Use threads to keep conversation organised



# GatherTown

- Virtual world
- Coffee breaks, small group sessions, video exchanges, screen sharing
- In browser or app
- Limited to 200 participants simultaneously. Don't stay connected if you are not using it, the map will be refreshed every morning
- Demo next



<https://gather.town/app/Rww2ZWwsxiA2Uz3/ESCAPE%20school>

On all communication channels, be considerate and respect each other.



# School program

- Coding environment, jupyter notebooks
- Version control, continuous development and integration
- Scientific Python libraries and workflows
- Profiling, debugging and optimising
- Machine learning

See the complete agenda at <https://indico.in2p3.fr/event/20306/timetable/>



Have fun!

