



# Online welcome meeting

## 3<sup>th</sup> July 2023

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# The I.FAST project

- I.FAST = Innovation Fostering in Accelerator Science and Technology
- <https://ifast-project.eu/home>
- 49 partners (research organizations, industry,...) including: CERN, CNRS (France), University of Oxford and other UK Universities, INFN (Italy), DESY, GSI (Germany), ESI,...
- Gathering top researchers in the field of particle accelerators
- Looking at innovative applications of accelerator technology

# I.FAST Challenge Based Innovation



- The aim of the challenge:
- Use accelerator technology to address a given problem:  
“Accelerators for the environment”
- Can you suggest innovative use of accelerator technology to address the challenge?

# The process



- To help you better understand accelerators and environmental challenges, there will be seminars on both topics.
- There is also some material at <http://www.ifast-cbi.particle-accelerators.eu/material-about-particle-accelerators/>
- Feel free to contact the seminar speakers for additional details about their speech.

# The program



- The program is at <https://indico.cern.ch/event/1276985/timetable/?view=nicecompact>
- In addition to the seminars there is:
  - Plenty of time for collaborative work
  - A visit of CERN
  - A visit of Annecy
  - Two “conferences”

# Seminars

- There will be 4 online seminars organised before the challenge (all at 17:00 Geneva time):
  - Thursday 6<sup>th</sup> July, Lenny Rivkin (PSI)  
Particle accelerators (general view)
  - Tuesday 11<sup>th</sup> July, David Cohen (ANSTO)  
Megavolt Accelerator Systems for Environmental Monitoring
  - Thursday 13<sup>th</sup> July, Federico Carminati (CERN)  
Transmutex, reinventing nuclear power
  - Monday 17<sup>th</sup> July, Wim Mondelaers,  
Small particle accelerators and their applications in medicine and research
- The program of the online seminars is at <https://indico.cern.ch/category/16384/>
- The program of the seminars during the I.FAST CBI. See <https://indico.cern.ch/event/1276985/contributions/>
- *Please mute your microphone during the seminars.*
- Feel free to ask questions at the end. Even if the question seems trivial, it is not a problem to ask it!

# Collaborative spirit



- Although this is a challenge, it is important to keep a collaborative spirit between teams.
- In the accelerator world, everyone tries the best for his/her facility but we also go to other facilities to help at critical times.
- If you have information that may be relevant to another team. We encourage you to pass it to them.

# Who are you? / Teams

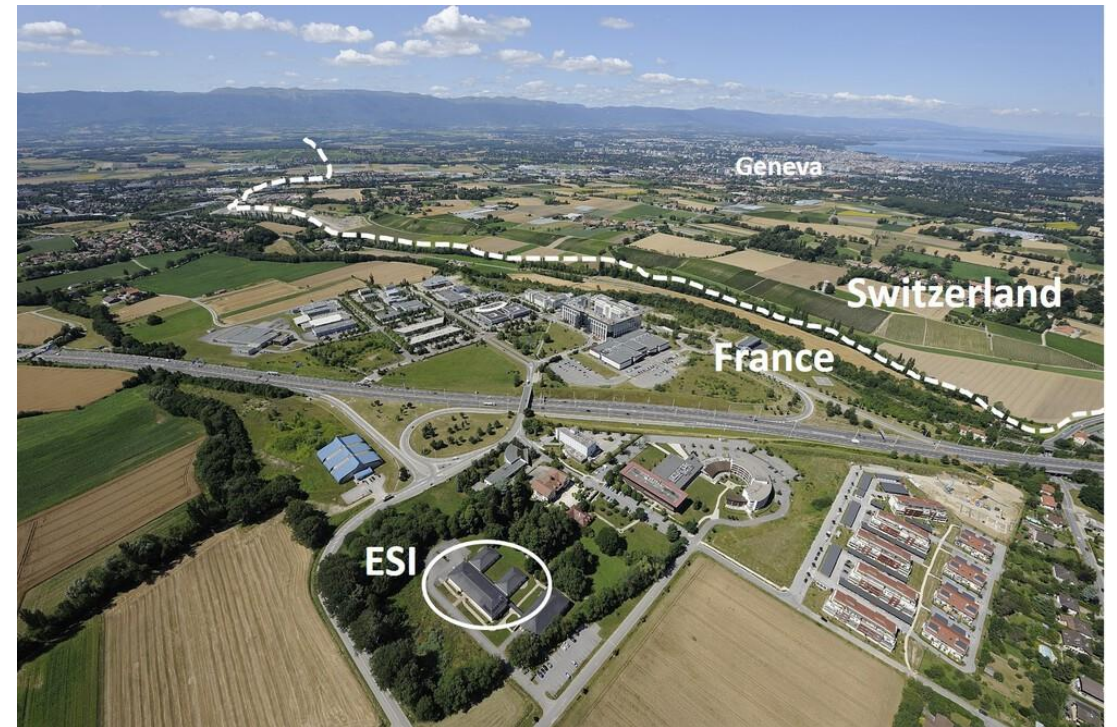


- You should have received an email with your team number
- Each team is made up of one physicist, one engineer, two accelerator « experts » (physicists or engineers who have already studied or worked with accelerators), one environmental scientist and one student from communication or sociology.
- You will have a dedicated meeting this week to meet your team.



# Hosting

- The challenge will take place at the European Scientific Institute (ESI) in Archamps near Geneva:  
<https://www.esi-archamps.eu/>
- ESI has strong experience in hosting scientific schools
- The ESI team is taking care of the logistics, accommodation and travel arrangements for the participants.
- Presentation after this one.



# Outlook

- Looking forward to the I.FAST CBI 2023!
- See you in Archamps on July 25<sup>th</sup>!

# iFAST



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