



**Task 12.1 - A Strategy for Implementing  
Novel Societal Applications of  
Accelerators  
Kick-off Meeting**

# Agenda

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## Draft Agenda 18th May 2021

- (0) Introductions - All
- (1) Introduction - Rob
- (2) Plans for each subtask for the next year and the rest of the project:
  - 12.1.2 - Novel forms of radiotherapy - Angeles
  - 12.1.3 - Environmental applications - Toms and Andrzej
  - 12.1.4 - Accelerator imaging - Graeme
  - 12.1.5 - Radioisotopes - Conchi
  - 12.1.6 - Barriers to the adoption of accelerators - Andrzej and Andrea
- (3) Next meeting
- (4) AOB

# Sub-Tasks

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- Sub-task 1. Coordination and Communication  
(Rob Edgecock - HUD)
- Sub-task 2. Novel forms of radiotherapy  
(Angeles Faus-Golfe - CNRS)
- Sub-task 3. Environmental applications of electron beams  
(Toms Torims – RTU  
Andrzej Chmielewski - INCT)
- Sub-task 4. Accelerator imaging  
(Graeme Burt - ULANCS)
- Sub-task 5. Accelerator production of radioisotopes for imaging and therapy  
(Conchi Oliver - CIEMAT)
- Sub-task 6. Barriers to accelerator adoption by industry  
(Andrzej Chmielewski – INCT  
Andrea Sagatova – STU)

# Objectives

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- Study some new and important societal applications of accelerators with the aim of developing roadmaps for their innovation: novel forms of radiotherapy for cancer treatment, reduction of environmental pollution, new imaging techniques, improved methods for radioisotope production.
- Develop a strategy to deliver these roadmaps.
- Study the barriers which discourage the use of accelerators in industry.

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- Develop a **strategy** to deliver these roadmaps.
- Study the barriers which discourage the use of accelerators in industry.

# How do we do this?

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- A bit different to what we've done before, but not too much
- It's up to you, but.....
- Identify/study what we want to achieve
- See and document what needs to be done to get there
  - > Roadmap
- Determine how to get this done
  - > Strategy
- Can be done via workshops and/or actual work

# Deliverable and Milestones

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D12.1	Strategy for Implementing Novel Societal Applications of Accelerators	HUD	R	M28
MS57	Projects identification for development funding	12.1	M10	Abstract of proposals
MS58	Completion of strategy documents for each application area	12.1	M40	Report

# Reminders

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- Website: <https://ifast-project.eu/>
- Sharepoint to share internal documents and information and to follow-up milestones and deliverables:  
<https://espace.cern.ch/project-IFAST-Intranet>
- Zenodo to publish notes, reports, presentations and other documents for an external audience:  
<https://zenodo.org/communities/ifast/?page=1&size=20>
- Don't forget in your publications and presentations the acknowledgement to EU support:



This project has received funding from the European Union's Horizon 2020 Research and Innovation programme under GA No 101004730.



# Meetings

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- This: every 2 months?
- **24 to 26 November 2021:** large meeting in Lisbon “From ARIES to I.FAST to the new Horizon Europe: the strategic role of EU programmes for European particle accelerator research”. It will include: a) the final ARIES meeting; b) one day dedicated to I.FAST with a 1<sup>st</sup> in-person meeting of enlarged steering committee, and c) a special session on future EC programmes and accelerator initiatives.
- **May/June 2022:** 1<sup>st</sup> I.FAST Annual Meeting, possibly at the CERN Globe: presentations and reports on the first year of activity.