This project has received funding from the European Union's Horizon 2020 Research and Innovation programme under Grant Agreement No 730871.

WP2: Training, Communication and Outreach for Accelerator Science: Report to the virtual Open Session

22 April 2020

Philip Burrows (Oxford University)

WP2 tasks

2.2	Internal and external project communications and outreach activities
2.3	Monitor provision for training in Europe and within a global context
2.4	Produce an introductory e-learning course on accelerator science

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2.2 Communication and Outreach

Daniela Antonio (CERN)

Summary of activities in Year 3

Internal communication

- Set up **ARIES Bulletin** (June 2019, March 2020)
- ARIES 3rd Annual Meeting **Poster**

Dissemination of ARIES results

- Dissemination of the Editorial Series on Accelerator Science and Technology (monographs)

Communication and Outreach

- 8 ARIES articles published in **Accelerating News**
- ARIES PIXE-RFQ and PoC project @ **CERN Open Days 2019**
- ARIES @ CERN institutional reports
- ARIES **social media** representation in partner channels
- 2nd ARIES Accelerator Communication and Outreach **Workshop**

Highlights

8 articles published in Year 3

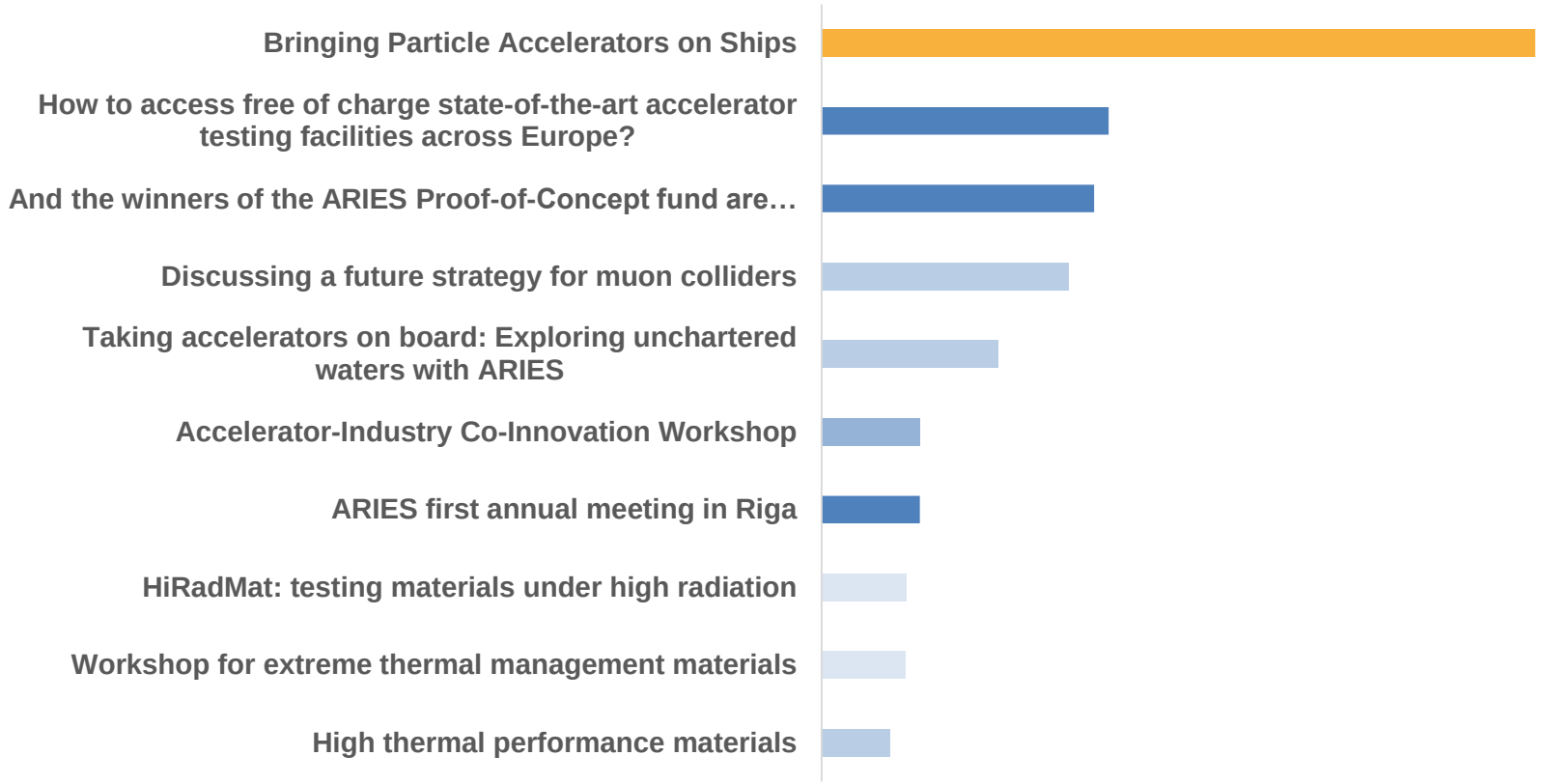
1’425 Accelerating News subscribers

27’104 unique ARIES website visitors

1’515’604 total ARIES website views

2nd ARIES ACO Workshop

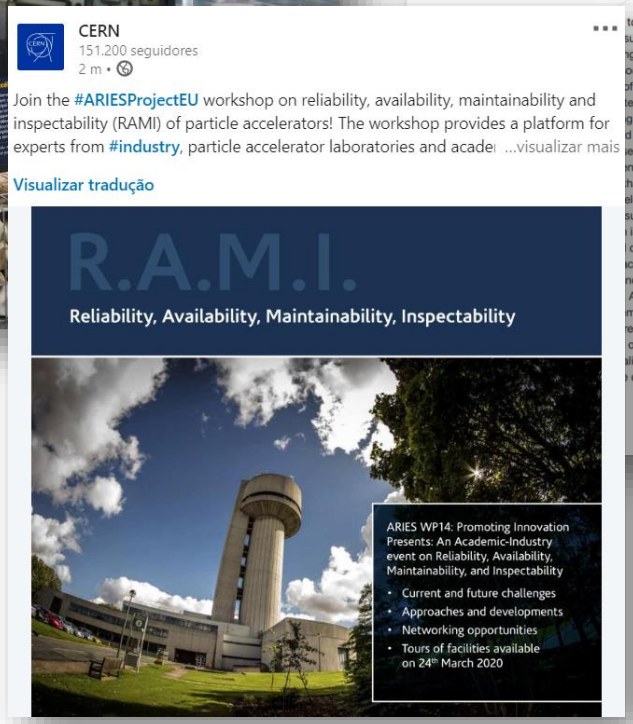
Newsletter: ARIES @ Accelerating News



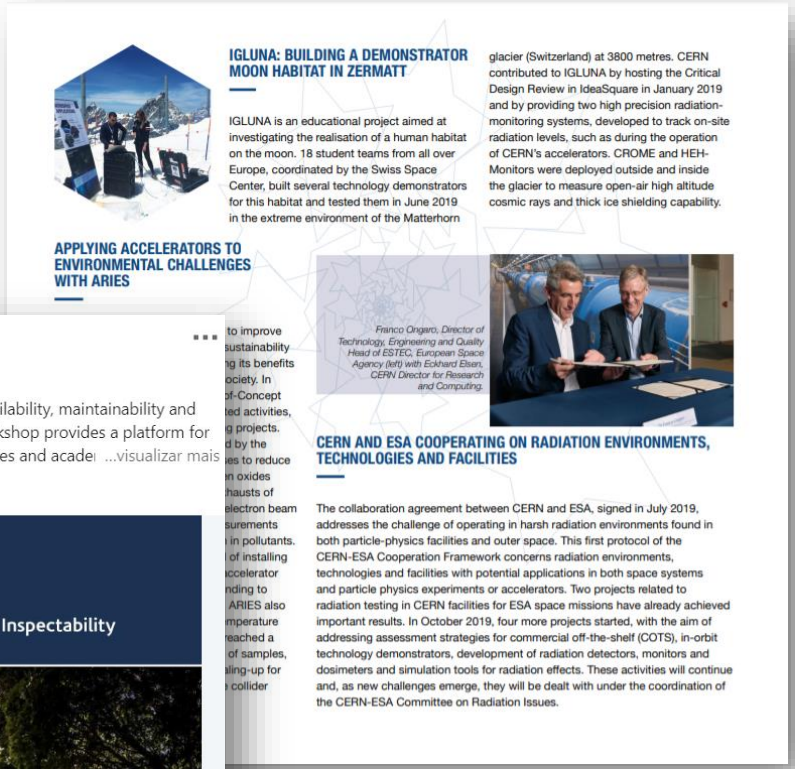
TOP10 ARIES articles published through Accelerating News.

ARIES @ CERN Communication Channels

^ CERN Open Days 2019



CERN Social Media >



^ CERN Institutional Reports

SAVE THE DATE!

27-28 FEBRUARY 2020

2nd Accelerator Communication and Outreach Workshop

Image: CERN

- **Location:** CERN
- **Date:** 27-28 February 2020
- **Objectives:**
  - Report on ARIES communication activities and contribution to deliverable 2.2
  - Report on strategy: gaps, goals and actions
  - Include 2 contributions to communication recommendations and strategy

This project has received funding from the European Union's Horizon 2020 Research and Innovation programme under Grant Agreement No 730871.

2.3 Training coordination

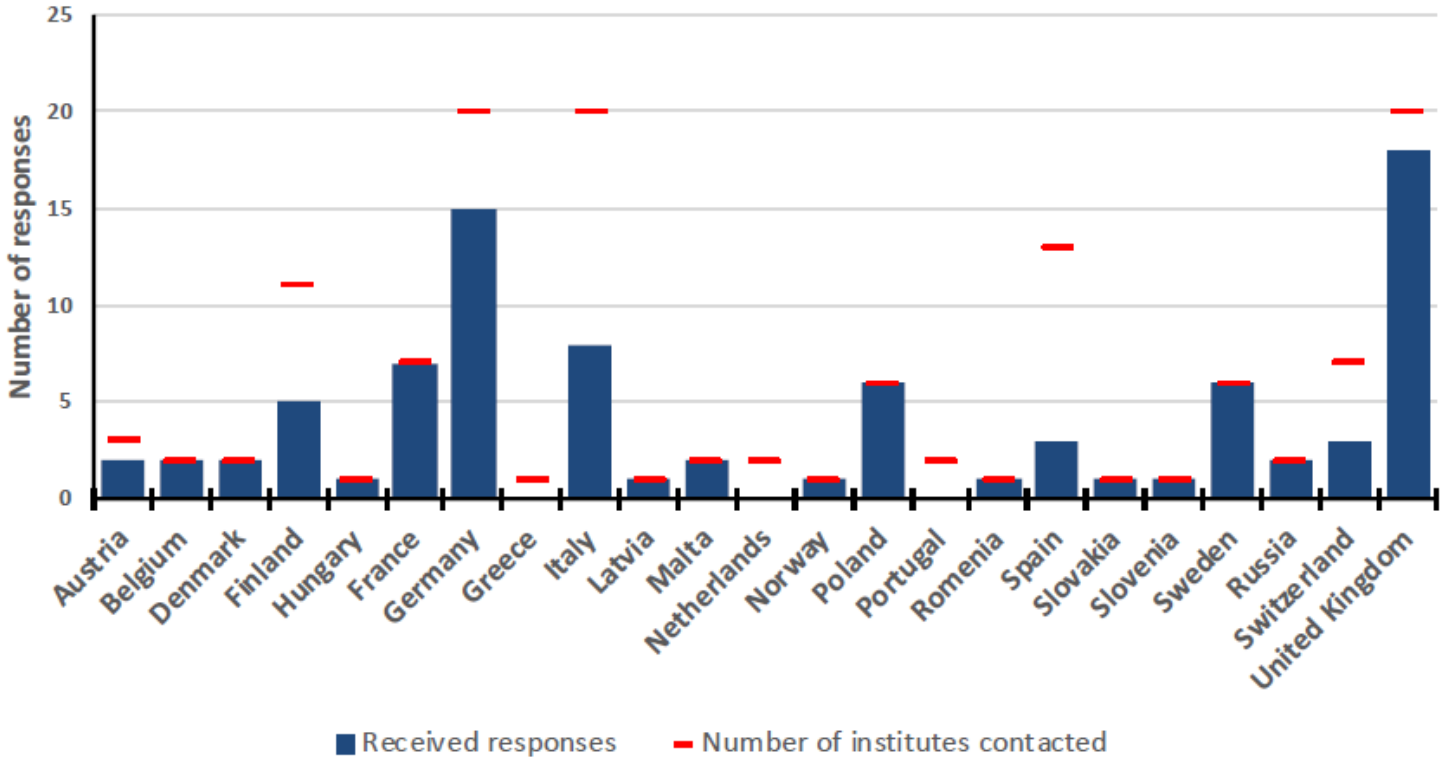
Ruthambara Yogi (ESS)

Survey of education and training

Information regarding survey

- Survey was launched in Nov 2019 using survey monkey tool
- Typical time to fill the survey was 15 minutes.
- Repeated follow up was done with the National contacts. Most of the national contacts have done a very good follow up with their colleagues.
- For some countries, the institutes were directly contacted as the negligible responses were received
- Finally the Survey data by beginning of April 2020 is used for the analysis

Survey responses



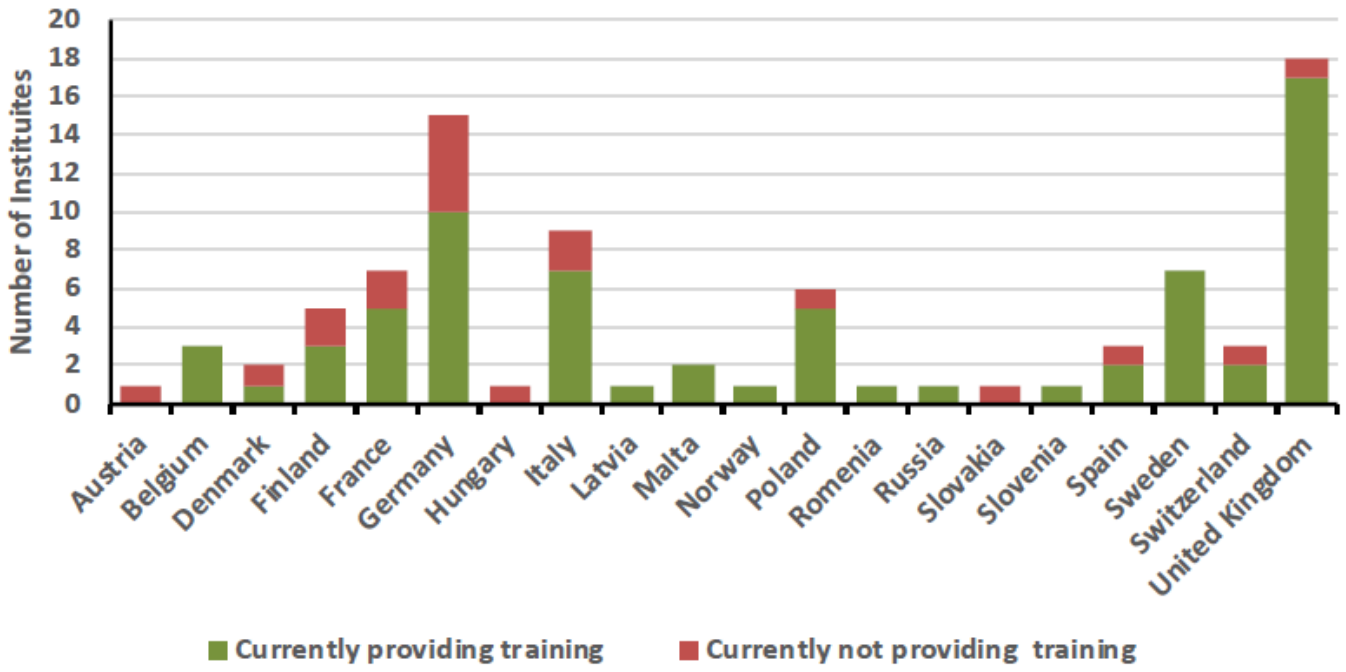
Survey was sent to:
more than 140 institutes in 23 Countries

Received complete responses from
90 institutes from 21 countries

TIARA survey: Input from 88 institutes from 13 countries

Institute training by country

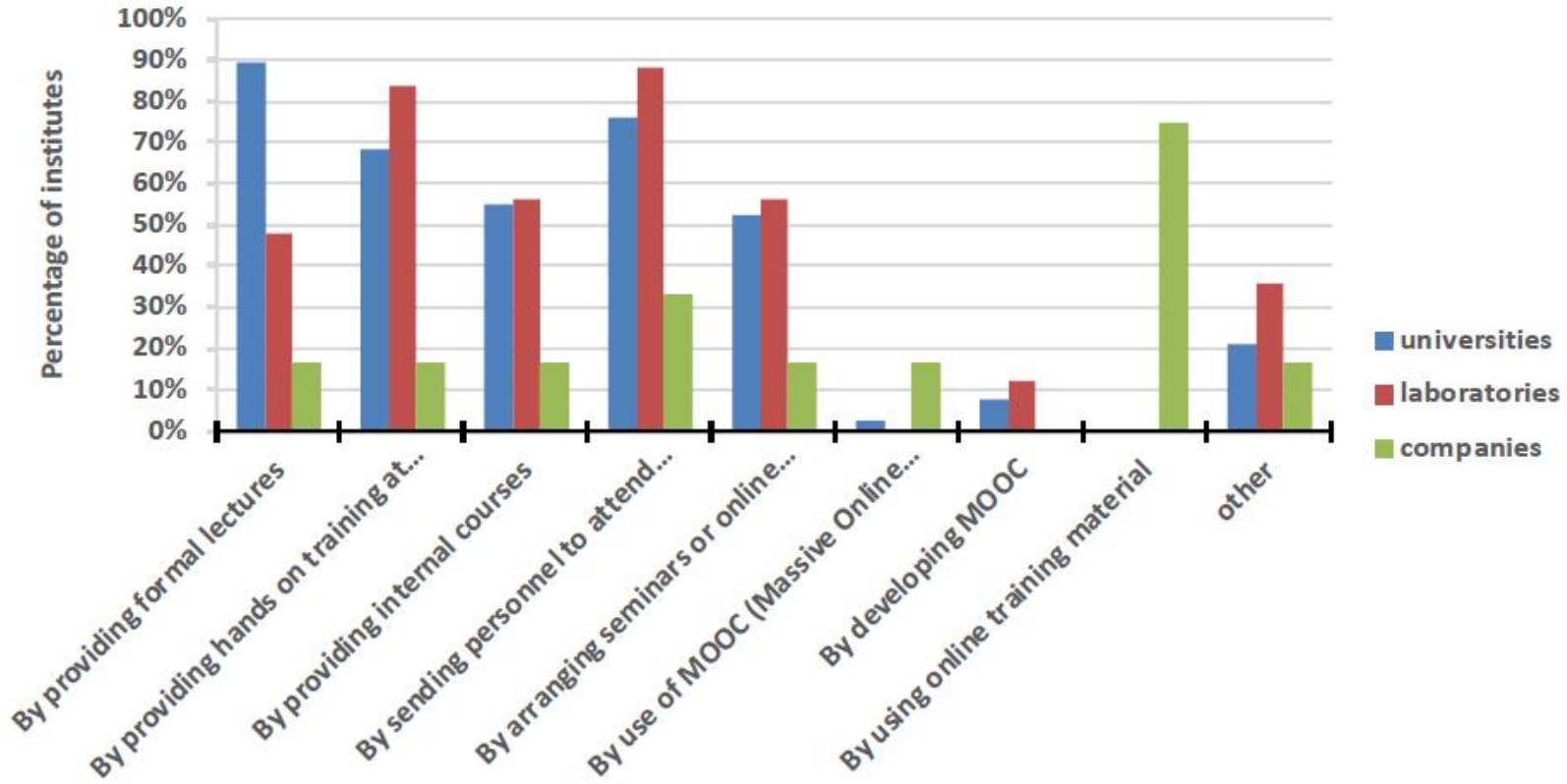
Statistics for year 2019



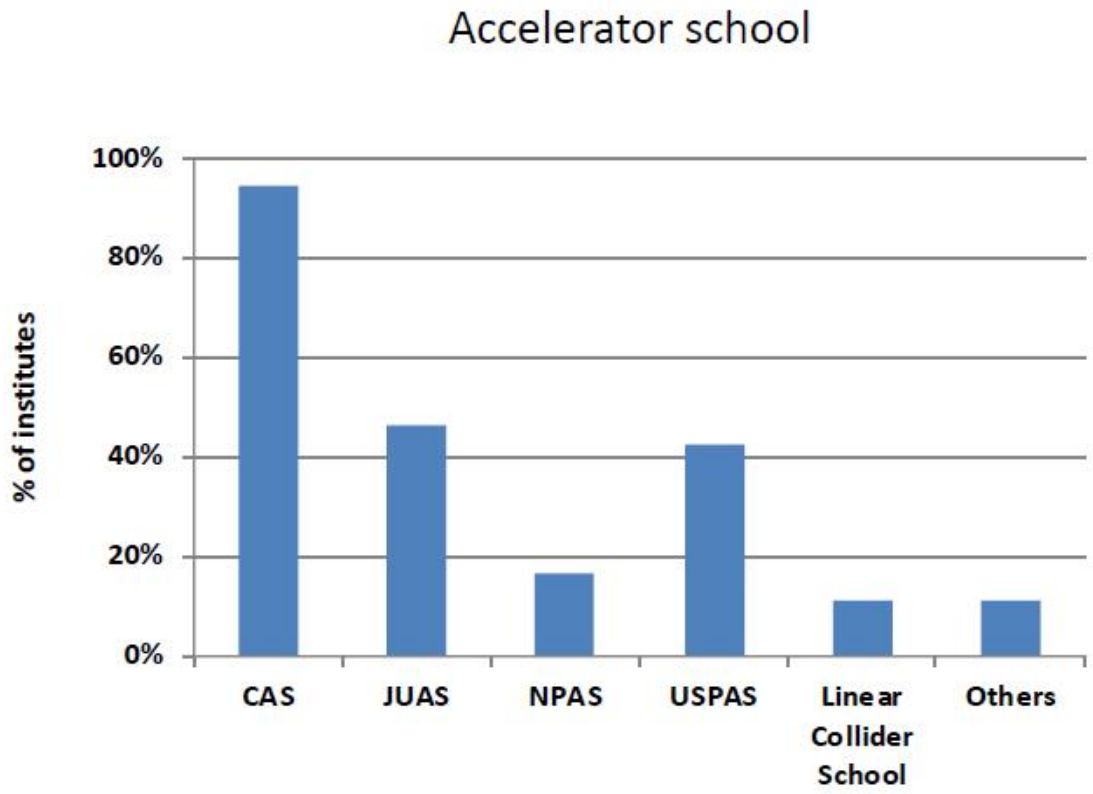
Total 88% of the institutes provide training on some aspect in accelerator science.

TIARA survey: 85% institutes provide training on some aspect in accelerator science.

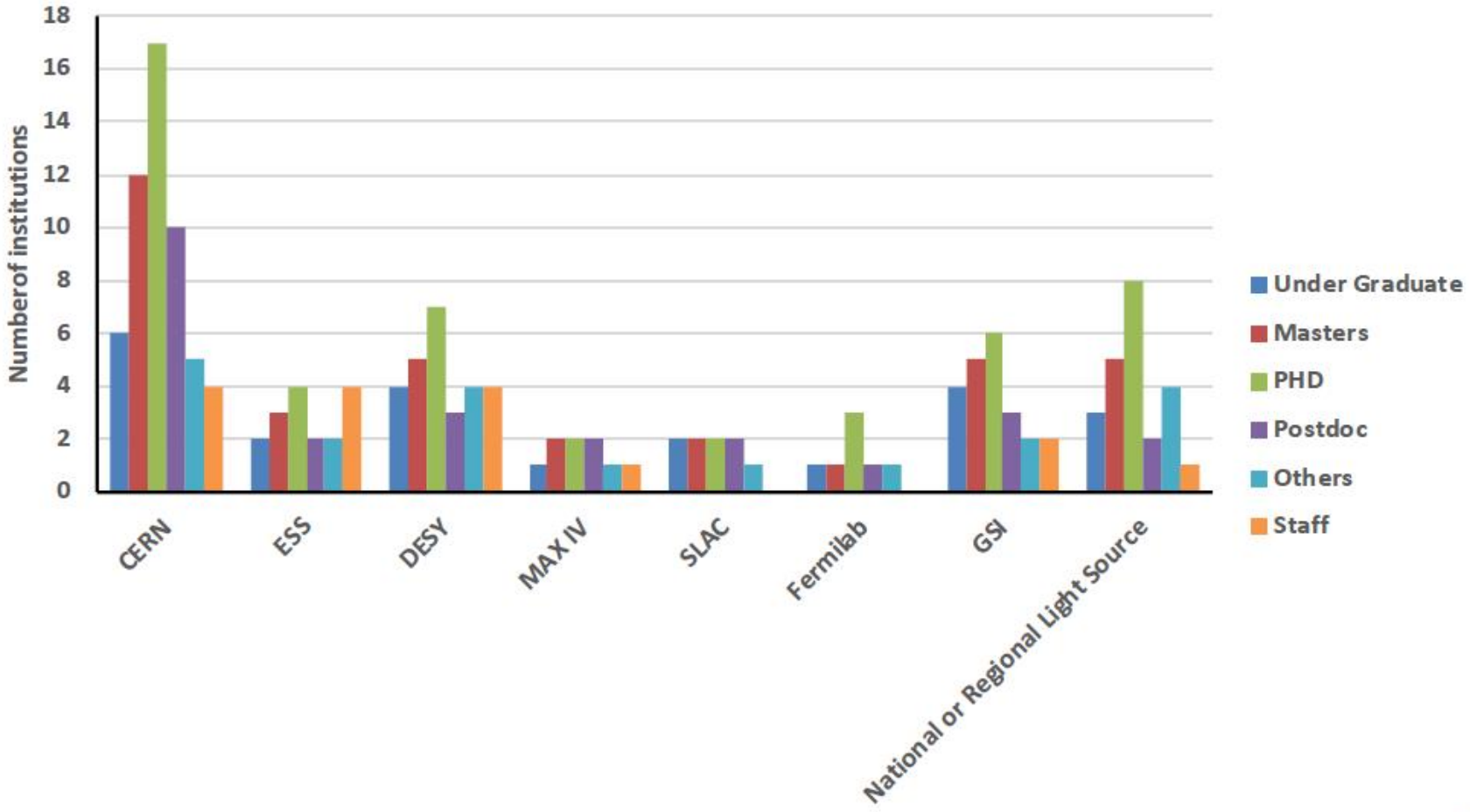
Type of training



Accelerator schools



Use of facilities for training



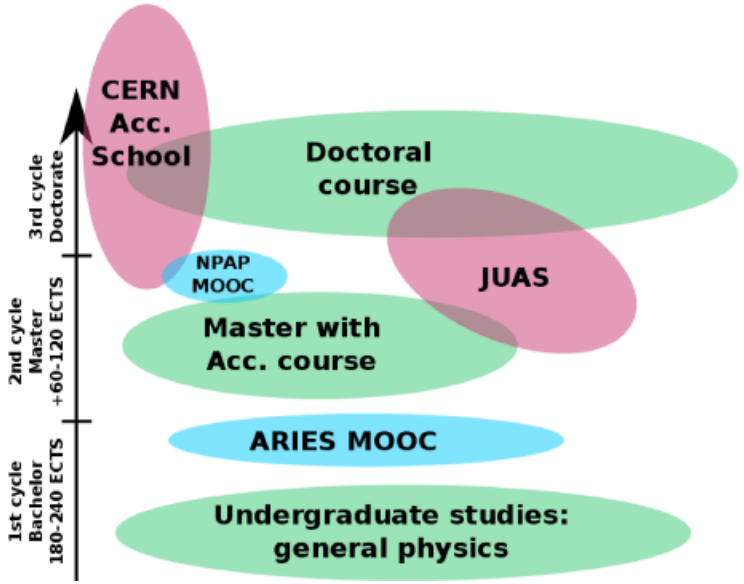
This project has received funding from the European Union's Horizon 2020 Research and Innovation programme under Grant Agreement No 730871.

2.4 MOOC status report

Nicolas Delerue (CNRS & Université Paris-Saclay)

Reminder

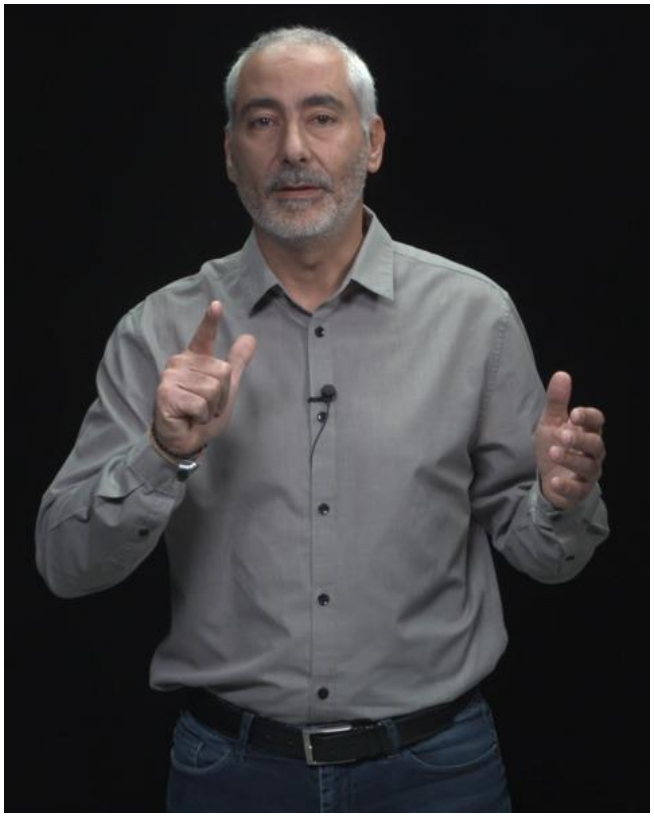
- This Massive Open Online Course aims at raising awareness on Accelerator Science and Technology among University students.
- Complementary to JUAS, CAS and University courses.
- It is organised in 2 modules:
  - an introductory module
    4 topics of 1 hours each
  - an advanced module
    6 topics of 1 hours each



Progress

- Pedagogical engineering done by University Paris-Sud (now University Paris-Saclay).
- Recording was done for 2 topics (Electromagnetism and Relativity).
- These topics are ready in test mode (ARIES deliverable 2.4).
- Final review meeting was cancelled due to the lockdown in France and had to be done by email.
- The two other topics (introduction and applications) are progressing and the recording should take place before the end of the year.

Screenshots from the Relativity module



http://particle-accelerators.eu/?page_id=108

Milestones & Deliverables for WP2

Tasks				
2.2	Internal and external project communications and outreach activities			
2.3	Monitor provision for training in Europe and within a global context			
2.4	Produce an introductory e-learning course on accelerator science			
Milestones				
MS10	Project website launched	2.2	M6	Oct 2017
MS11	Meeting to agree MOOC platform and academic structure and content of e-learning course	2.4	M12	May 2018
MS12	Workshop on training activities in Europe in a global context	2.3	M24	April 2019
Deliverables				
D2.1	E-learning course	2.4	M36	**April 2020**
D2.2	Final report on coordination of communication/outreach activities	2.2	M37	**May 2020**
D2.3	Final report on coordination of training activities	2.3	M39	**July 2020**

Milestones & Deliverables for WP2

On track

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2.2	Internal and external project communication and outreach activities			
2.3	Monitor provision for training in Europe and within a global context			
2.4	Produce an introductory e-learning course on accelerator science			
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D2.3	Final report on coordination of training activities	2.3	M39	**July 2020**

Milestones & Deliverables for WP2

Tasks				
2.2	Internal and external project communication and outreach activities			
2.3	Monitoring/revision for training in Europe and [illegible] in a global context			
2.4	Produce an introductory e-learning course on accelerator science			
Milestones				
MS10	Project website launched	2.2	M6	Oct 2017
MS11	Meeting to agree work plan for and academic structure and content of e-learning course	2.4	M12	May 2018
MS12	Workshop on training activities in Europe in a global context	2.3	M24	April 2019
Deliverables				
D2.1	E-learning course	2.4	M36	**April 2020**
D2.2	Final report on coordination of communication/outreach activities	2.2	M37	**May 2020**
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On track

Completed

Milestones & Deliverables for WP2

Tasks

2.2	Internal and external project communication and outreach activities	
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Milestones

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D2.3	Final report on dissemination/training activities	2.3	M39	**July 2020**

On track

Completed

In progress

News from WP5

School on High Gradient Wakefield Accelerators: http://cas.web.cern.ch/schools/sesimbra-2019

High Gradient Wakefield Accelerators, 11-22 March 2019, Sesimbra, Portugal

Main | Overview | Lectures | 1 minute slides

RELATED LINKS

Indico page

Photo album

Hotel Do Mar

DOWNLOADABLE

Programme *(with links to lectures)*

Poster

CONTACTS

Participants contact info

Lecturers contact info

News from WP5

Simon van der Meer Early Career Award in Novel Accelerators

(sponsored by the European Network for Novel Accelerators through the EU project ARIES)

The Simon van der Meer Award is being established in 2019 to recognize outstanding early career contributions (theoretical, experimental, computational or technical) in novel accelerator science. It is sponsored by the European Network for Novel Accelerators (EuroNNAc) which is part of the EU project ARIES. EuroNNAc is coordinated by DESY, CERN, Ecole Polytechnique, University of Oxford, INFN Frascati and CEA.

The Simon van der Meer Award will be awarded every two years at the European Advanced Accelerator Concepts workshop (EAAC). Eligible candidates must be within 12 years of the completion of their first university degree or equivalent, excluding career breaks (e.g. maternity or paternity leave, adoption). There is no restriction as to nationality. The research recognized could be either a single piece of work, or the sum of contributions. The award recognizes one individual researcher and consists of a stipend of € 3000 and a certificate citing the contributions of the recipient.

The announcement of the Award Winner will be made at the EAAC19 workshop on Elba.

Mr. Spencer Gessner (CERN) has been awarded.

Extra material

University of Liverpool activities

Particle Colliders - Accelerating Innovation, 22 March 2019 - https://indi.to/AccInnovate
Accelerators for Science and Society, 28 June 2019 - https://indi.to/AccSciSoc

https://www.cockcroft.ac.uk/archives/6116, CI summary
https://youtu.be/Z8CoXfnHp98, video from local TV
New educational resouce: Teaching Times, The Science of Star Wars: Creative Physics Learning In a Galaxy That Isn't Far Far Away, March 29th 2020
CERN Courier, Outreach feels the force, CERN Courier, Vol 60, Nr 1, Jan/Feb 2020
Metro, Star Wars: From The Force to R2D2, does the science hold up?, December 19th 2019
IOP PAB Group Newsletter, How Star Wars Fantasy is Shaping Science Fact, December 2019
Frankfurter Rundschau, Star Wars und die Wirklichkeit, January 15th 2020
Welt, Science-Fiction in der Realität, January 6th 2020
BBC Mundo, Star Wars: ¿cuánto es ciencia y cuánto es ficción en la exitosa saga?, December 23rd 2019
EconoTimes, Star Wars: From The Force to R2D2, does the science hold up?, December 22nd 2019
Generation Star Wars, Star Wars and The Rise of Accelerator Science, December 16th 2019
CORDIS, News, The Force is strong with EU-funded research, December 15th 2017