

ACCELERATIng Europe's Leading Research Infrastructures

Work Package 4 - Enlargement and International Cooperation

Task 4.2 – Outreach to New Communities

D4.3 - Report on Schools

Project Deliverable Information Sheet

ACCELERATE Project	Project Reference No. 731112	
	Project Title: ACCELERATIng Europe's Leading Research Infrastructures	
	Project Website: www.accelerate2020.eu	
	Deliverable No:	
	Deliverable Type:	
	Dissemination Level	Contractual Delivery Date
	Public	31.05.2021
	Actual Delivery Date	
EC project Officer: Christos Chatzimichail		

Document Control Sheet

Document	Title: D.3 Report on schools	
	Version:	
	Available at: www.accelerate2020.eu	
	Files:	
Authorship	Written by: Salma Baghdadi	
	Contributors:	
	Reviewed by:	
	Approved: Steering Committee	

INTRODUCTION

One of the main objectives of task 4.2 'Outreach to New Communities' is to attract new users from the Eastern borderline of the EU and raise awareness about the possibility of using different advanced techniques of analysis in research focused on different fields. This supports in reducing the barriers that prevent competent researchers of this target geographical area from performing excellent science.

To this aim, a set of events had been organized to support creating bridges in scientific research and collaborations, by introducing the Western Balkan communities of researchers to large-scale Research Infrastructures. By bringing together researchers from different countries, the events were also an opportunity for constructive dialogue across national and cultural borders and differences, speaking the language of science as a universal tool.

This task is divided into two types of events supporting in the implementation of the outreach towards the research community from target countries:

- The organization of outreach events targeting early-stage and experienced researchers, informing them about CERIC, its partner facilities, the open access offer, and proposal writing.
- The organization of satellite sessions and/or schools targeting early-stage researchers. This type of events will last longer than the above mentioned one, where participants will get more acquainted with some of CERIC's instruments and their application.

This report will throughout tackle the second type of the activity, while the first type is highlighted in Deliverable 4.6 'Outreach Events Report'.

CERIC collaborated with two well-known European schools to organize the outreach activity for targeted researchers and get acquainted with the CERIC techniques and instruments:

- **NESY**, which is a division of the Austrian Physical Society (ÖPG), representing the research groups focused on science using neutron and synchrotron radiation. CERIC organized a satellite session in 2017 in the frame of the NESY Winterschool event, which is one of the yearly scientific activities within NESY. Following the success of the first edition, a second Satellite session was organized in 2019 in the frame of Task 4.2.
- **HERCULES** Specialized Course. CERIC organized an 8-days long thorough training in 2021, in collaboration with the CEI (Central European Initiative), CALIPSOplus and ESUO.

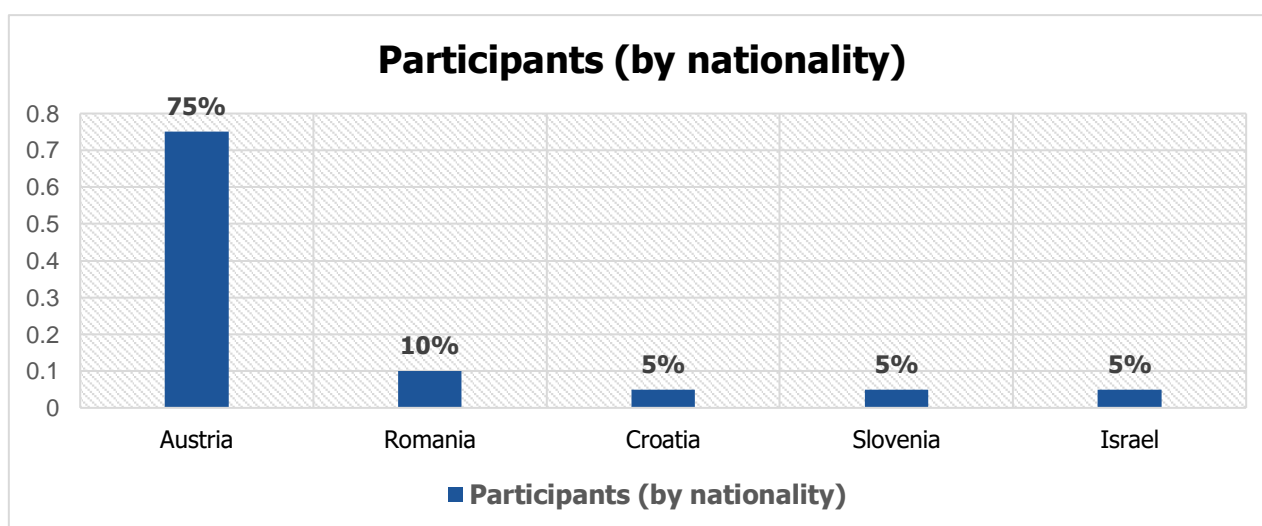
1. CERIC SATELLITE EVENT AT THE NESY – 04 March 2019

Following the success of the first edition in 2017, CERIC was invited to hold the satellite event at the NESY Winter School and Symposium on Neutron and Synchrotron Radiation. Researchers from

CERIC's Croatian, Romanian and Slovenian Partner Facilities presented methods for materials characterisation and analysis that are complementary to synchrotron and neutron radiation. The workshop was intended for graduate students and early-stage researchers in Austria and neighbouring countries to expand their scientific knowledge in materials science. The participants were introduced to some techniques available within the consortium, including NMR spectroscopy (Nuclear Magnetic Resonance) at the National Institute of Chemistry in Ljubljana, and ion beam techniques at Ruđer Bošković Institute in Zagreb.

The agenda of the session is available [here](#).

1.1 Participants' Overview



Among the participating organizations are:

Austria	Technical University of Vienna
	University of Leoben
	Technical University of Graz
Romania	National Institute of Material Physics
Croatia	Ruder Boskovic Institute

2. HERCULES Specialized Course 2021 – 31 May to 09 June

The HERCULES Specialized Course 2021 (HSC) by CERIC-ERIC brought together more than 33 participants from 14 different countries in Central and Eastern Europe. The event was held online from 31 May to 09 June 2021.

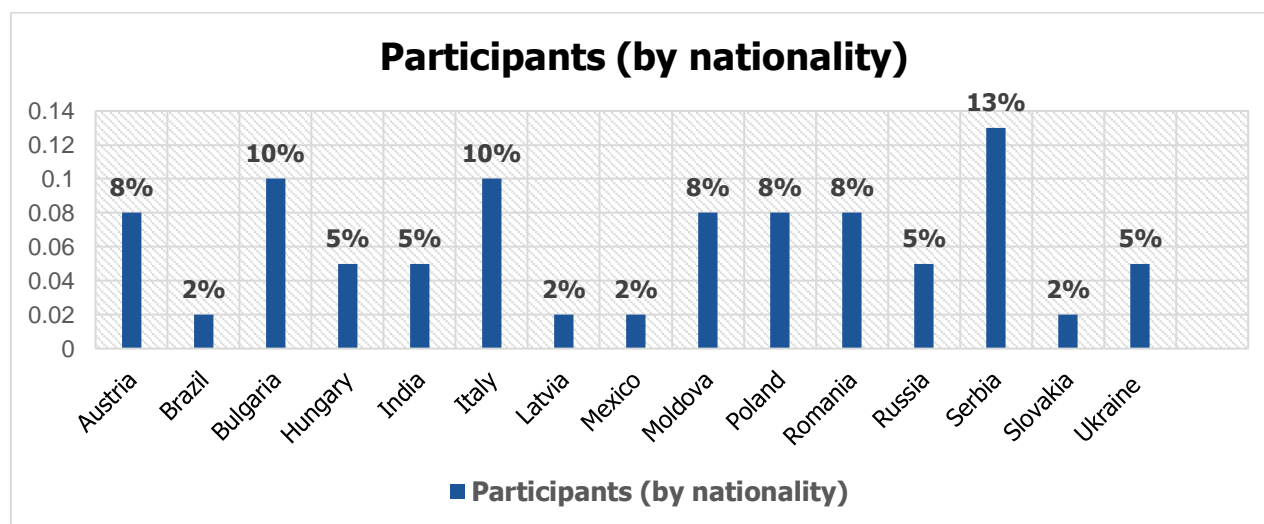
The 8 days long on-line training brought together researchers from universities/institutes from Austria, Brazil, Bulgaria, Denmark, Hungary, Italy, Latvia, Moldova, Slovakia, Poland, Romania,

Russia, Serbia and Ukraine, to introduce them to the different techniques offered by CERIC Partner Facilities along with their applications.

The program (available [here](#)) incorporated introductory sessions to each facility, practical exercises on various beamlines and instruments, and a poster session.

2.1 Participants' Overview

Below is an overview on participants' profile, by nationality, institute/university, and career stage.

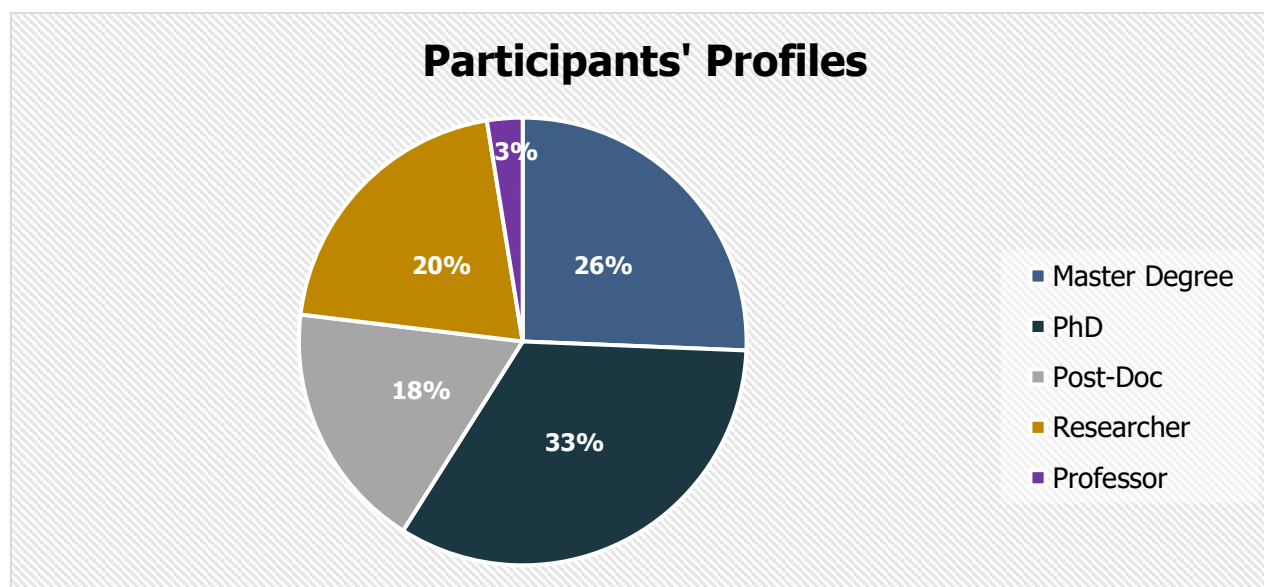


Participants' institutes:

Austria	Technical University Graz
Brazil	Universidade Federal da Paraiba
Bulgaria	Technical University of Sofia: University of Chemical Technology and Metallurgy
	Institute of Electronics-BAS, Sofia
Denmark	Copenhagen University (KU)
Hungary	Eötvös Loránd Research Network Centre for Energy Research
Italy	Elettra Synchrotron
	University of Trieste
	University of Siena
Slovakia	Comenius University in Bratislava, Slovakia
Latvia	Institute of Solide State Physics, University of Latvia

Moldova	Institute of Genetics, Physiology and Plant protection
Poland	Aquaporin A/S
	AGH University of Science and Technology
	University of Silesia in Katowice
Romania	National Institute of Materials Physics
Russia	Immanuel Kant Baltic Federal University
Serbia	Institute of physics, University of Belgrade
	VINČA" Institute of Nuclear Sciences
	Faculty of Sciences, University of Novi Sad
	BioSense Institute
Ukraine	Joint Institute for Nuclear Research
	Institute of Magnetism of the NAS of Ukraine and MES of Ukraine

Participants' career stages:



To be better prepared for the event and get the most out of the experience, an information booklet was distributed among participants, incorporating: an overview of the HERCULES Course and CERIC-ERIC, the program, links access the sessions, structure of the practical sessions (by groups), software needed for the practical exercises, a description of each CERIC partner facility, and the contact information of the organizing team.

The booklet is available [here](#).



During the conclusion session of the event, a brief feedback discussion had been held with participants to collect their opinion about the event in general. Following that, an anonymous detailed feedback form had been distributed to collect more specific input and better understand participants' experience from the event.

More than 95% of the respondents confirm that the theoretical and practical sessions were clear and important for their research careers, and would like to take part in similar future events organized by CERIC. Overall, 100% of the respondents found the event very interesting and useful for their research careers.