



COST Action CA20116



European Network for Innovative
and Advanced Epitaxy



Dr Paula Ferreira



Dr Paula Vilarinho



Dr Maxim Ivanov

International Hybrid Training school – Characterization techniques for epitaxial materials

University of Aveiro, CICECO

Portugal

13 – 17 June 2023

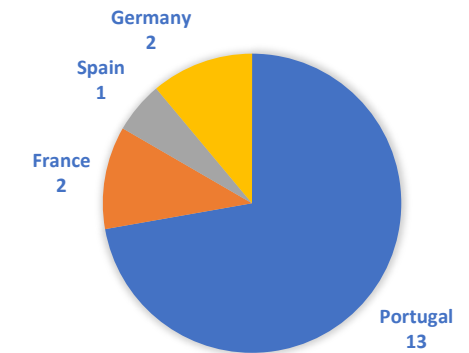
Organizers: Paula Ferreira, Maxim Ivanov, Paula M. Vilarinho

International Hybrid Training School
Characterization Techniques for Epitaxial Materials
University of Aveiro, Portugal - 13th to 17th June 2023

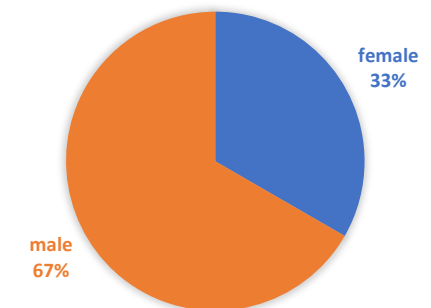
11 theoretical lectures
2 tutorials
3 Visits to laboratories
3 technical sessions

	13 th June	14 th June	15 th June	16 th June	17 th June	
9h00		Diffraction techniques José António Paixão	Optical characterization Charles Comet	Assessing nanoscale (opto)electronic properties through advanced SPM Sascha Sadewasser	Piezoresponse force microscopy in epitaxial materials Vladimir Shvartsman	
9h30						
10h00		refreshment & poster session	refreshment & poster session	refreshment & poster session	refreshment	
10h30						
11h00		X-ray Metrology of Epitaxial Group-III- Nitrides for Device Fabrication Lutz Kirste	Characterization of functional oxides thin films & heterostructures using Raman Joaquim Agostinho	Scanning tunneling microscopy and related spectroscopies in epitaxy materials Lucia Vitali	Practical analysis of combined AFM and microRaman Maxim Ivanov & Timur Nikitin	
11h30						
12h00		Lunch	Lunch	Lunch	Lunch	
12h30						
13h00						
13h30		Welcome	Hands on case studies using diffraction techniques José António Paixão & Lutz Kirste	Characterization tools on epitaxial growth control Armando Lourenço & Ricardo Silva	Scanning probe microscopy of epitaxy of metal complex oxides Alexander Tselev	Advanced SPM Technical session II
14h00						
14h30		TEM for thin films and 2D Materials Paulo J Ferreira	refreshment & poster session	refreshment & poster session	refreshment & poster session	
15h00						
15h30	refreshment & poster session		Visit to the laboratories	Visit to the laboratories	Visit to the laboratories + Advanced SPM Technical session I	refreshment
16h00						
16h30	The impact of materials growth in device performance and scalability Susana Cardoso de	Visit to the laboratories	Visit to the laboratories	Visit to the laboratories + Advanced SPM Technical session I	Advanced SPM Technical session II	
17h00						
17h30						
18h00	2 minutes PITCH	2 minutes PITCH				
18h30						

COUNTRY OF ORIGIN OF TRAINERS

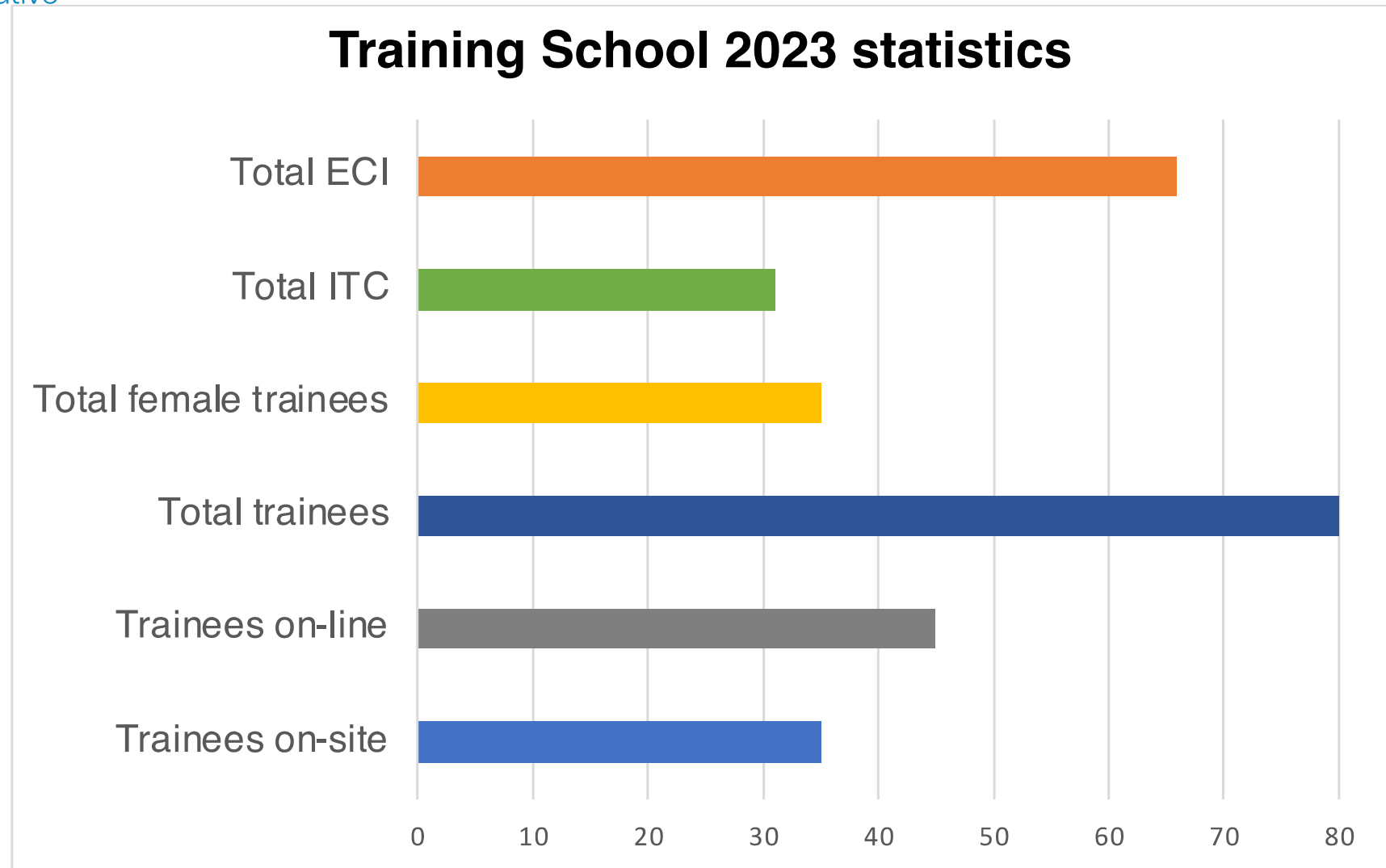


TRAINERS GENDER BALANCE





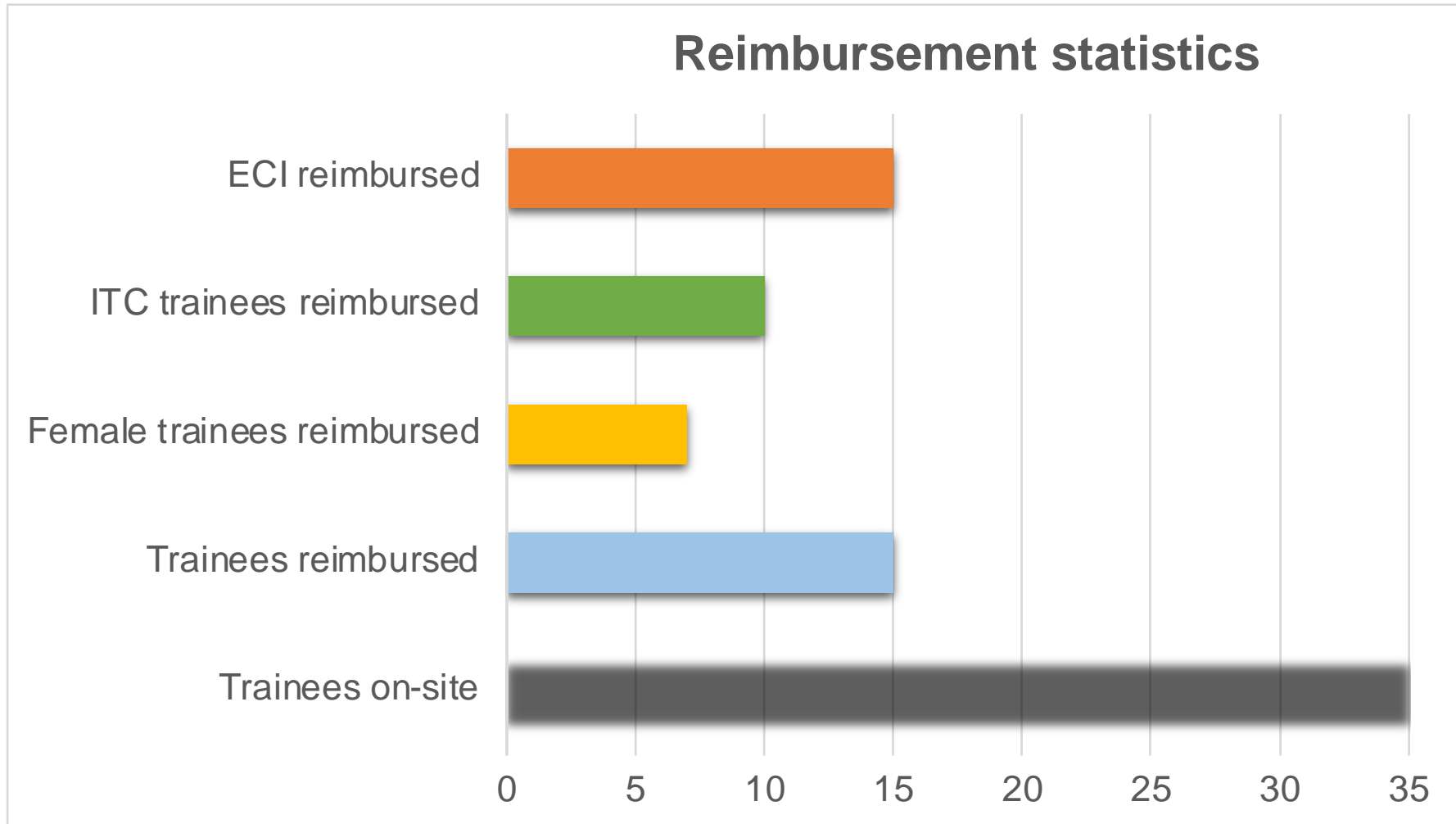
Total participant statistics





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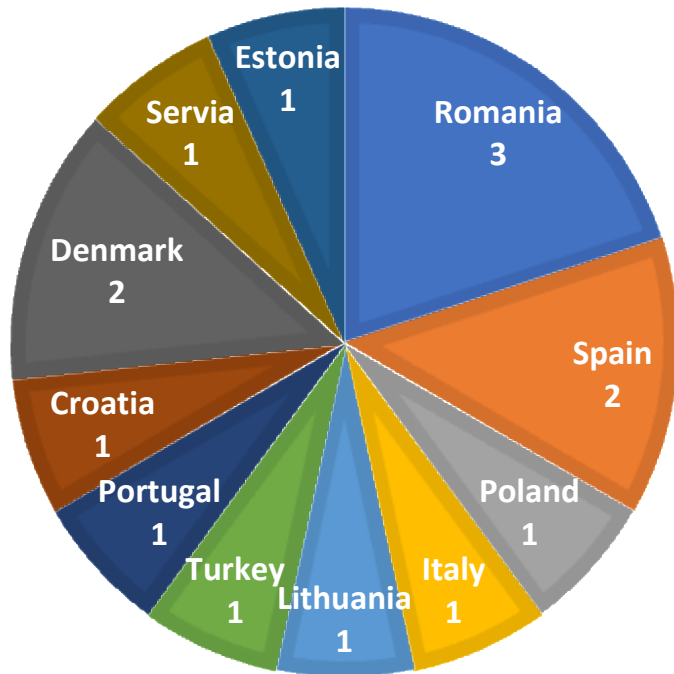
Participant reimbursement statistics



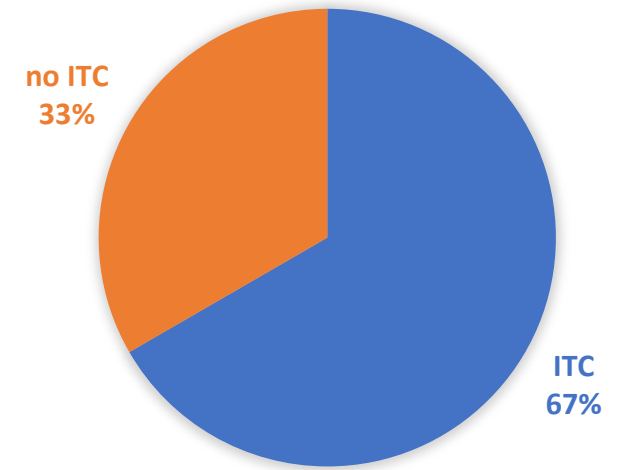


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FUNDED TRAINEES PER COUNTRY



FUNDED ITC TRAINEES



GENDER BALANCE

