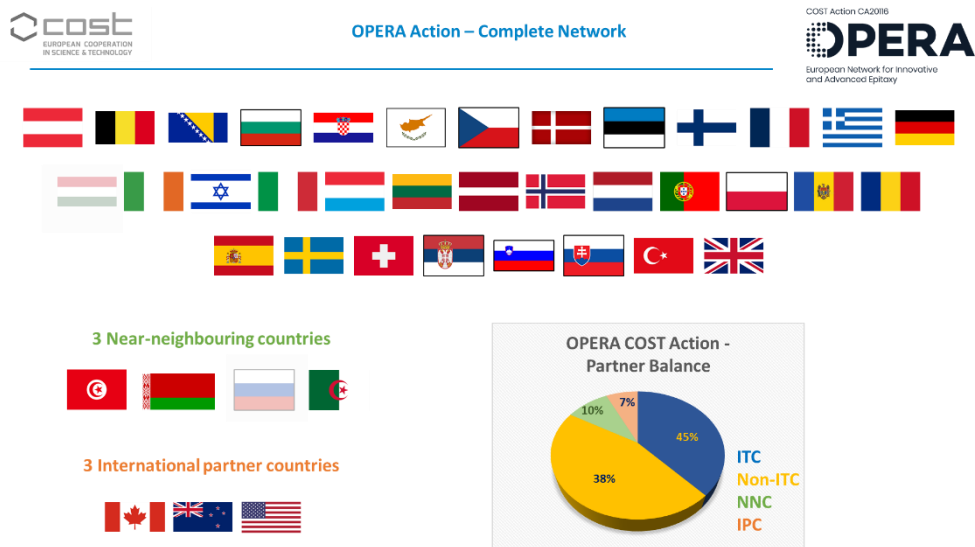
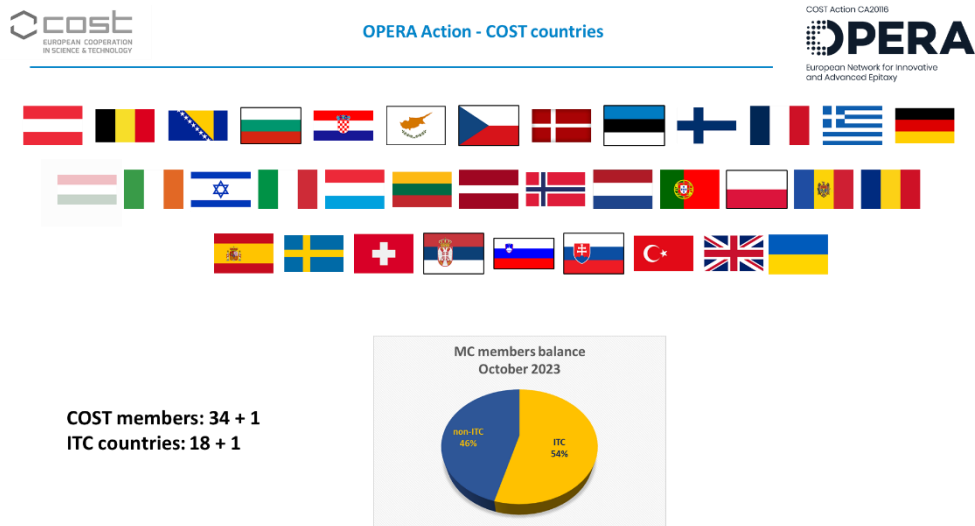


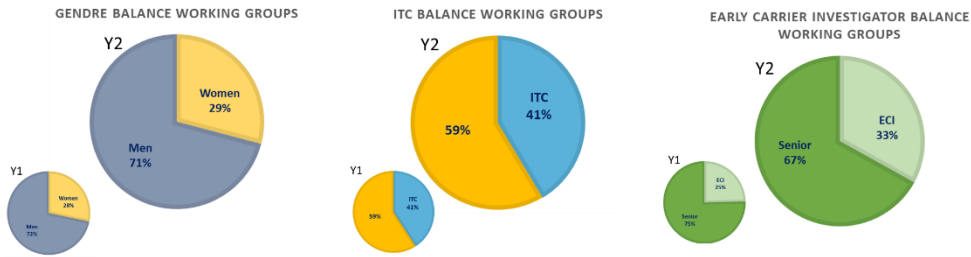
## Year 2: Sept 2022 – Sept 2023 / COST Policies implementation

### 1. Relevance, uniqueness and inclusiveness of OPERA COST Action

- ❖ OPERA transversal organization gathering 34 (+1) COST countries including 18 (+1) Inclusiveness Target Countries (ITCs) representing 54% of the COST Partner countries, as well as 3 (+1) COST Near Neighbor Countries and 3 COST International Partner Countries
- ❖ Participation of 29% of women, 41% of ITC members and 33% of young researchers



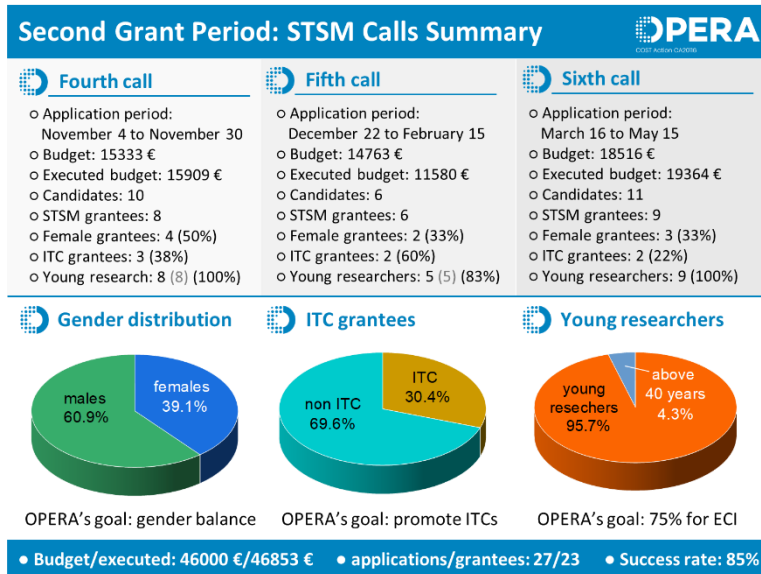
**Working Group Applications: 251 applicants**



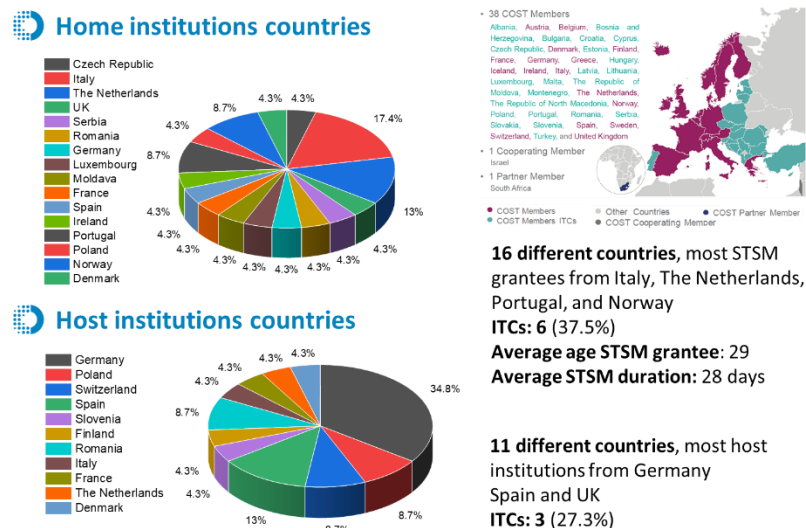
- **WorkGroup 1: Fundamental research – New Materials: 186**
- **WorkGroup 2: Applications-oriented material developments: 166**
- **WorkGroup 3: Industry-oriented materials development and technological transfers: 44**

**2. Relevance, uniqueness and inclusiveness of STSM**

- ❖ STSM-OPERA budget = 46 853 €
- ❖ Participation of 39,1% of women, 30,4% of ITC members and 75% of young researchers



**First Grant Period: STSM Calls Summary**



### 3. Relevance, uniqueness and inclusiveness of Workshops

#### Workshop 1: WG1 / Fundamental Research – New Materials

- ❖ Participation of 41% of women, 47% of ITC members and 30% of young researchers
- ❖ Funded participants: Women = 53%; ITC = 100%; YRI = 67%



OPERA Action – Workshop Madrid  
WorkGroup 1



OPERA Action – Workshop Madrid  
WorkGroup 1



#### Figures



- ~ 65 contributions received
  - 39 oral contributions with 3 invited talks
  - 15 posters



- 66 participants
  - Originating from 16 countries
  - 47% from ITC
- 41% of Women
- 30% of Young Researchers

→ A large diversity of materials and techniques

## Workshop 2: WG2 / Applied-Oriented Material Developments

- ❖ Participation of 34% of women, 70% of ITC members and 30% of young researchers
- ❖ Funded participants: Women = 54%; ITC = 79%; YRI = 47%



OPERA Action – Workshop Bucharest  
WorkGroup 2



National Institute of Materials Physics

NIMP SCIENTIFIC RESEARCH

COST Action CA2016

**OPERA**  
European Network for Innovative and Advanced Epitaxy

12 – 14 September 2023  
Bucharest-Magurele, Romania

Workshop "Application-oriented material development"

Funded by the European Union

Scientific committee  
Local Organization Team

NIMP SCIENTIFIC RESEARCH



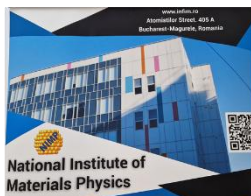
OPERA Action – Workshop Bucharest  
WorkGroup 2



### Figures



- ~ 39 contributions received
  - 27 oral contributions with 9 invited talks
  - 11 posters



- 44 participants in presence and several online
- Originating from 19 countries  
70% from ITC
- 34% of Women  
30% of Young Researchers

→ A large diversity of materials and techniques

## Workshop 3: WG3 / From Epitaxial Materials towards Technological Transfer: Academic/Industrial meeting

- ❖ Participation of 27% of women, 50% of ITC members and 30% of young researchers
- ❖ Funded participants: Women = 50%; ITC = 88%; YRI = 69%



OPERA Action – Workshop Paris-Saclay  
WorkGroup 3




OPERA Action – Workshop Paris-Saclay  
WorkGroup 3



### Figures



- ~ 40 contributions received
  - 27 oral contributions with 15 invited talks
  - 10 posters



- 61 participants
  - Originating from 16 countries
  - 50% from ITC
- 27% of Women
- 30% of Young Researchers

→ A large variety of materials and techniques

## 4. Relevance, uniqueness and inclusiveness of Training School

- ❖ Participation of 44% of women, 44% of ITC members and 39% of young researchers
- ❖ Funded participants: Women = 47%; ITC = 86%; YRI = 100%

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

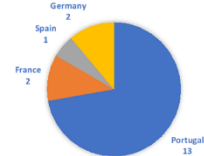
University of Aveiro, CICECO

Portugal

13 – 17 June 2023

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

COUNTRY OF ORIGIN OF TRAINERS



TRAINERS GENDER BALANCE



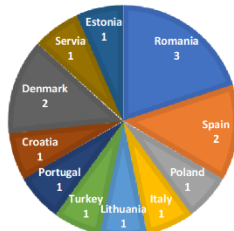
COST Action CA20116



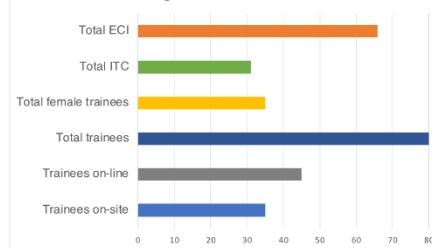
European Network for Innovative and Advanced Epitaxy

## Statistics

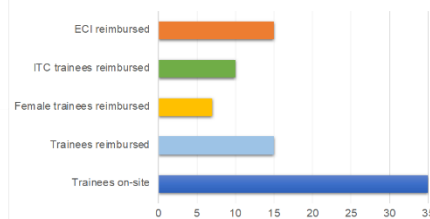
FUNDED TRAINEES PER COUNTRY



Training School 2023 statistics



Reimbursement statistics



## 5. Popularization

- ❖ Preparation of first action towards popularization
- ❖ OPERA dedicated webpage has been created

## 6. Budget Y2

AGA-CA20116-2-FR

Report Date: 2023-11-13 10:51:23 Period of reporting from 01/11/2022 to 31/10/2023

### FINAL FINANCIAL REPORT

Networking Expenditure Totals	Grant budget (a)	Expenditure			Delta (g=d-a)
		Actuals (b)	Accruals (c)	Total (d=b+c)	
	EUR	EUR	EUR	EUR	EUR
Meetings	85 335.00	70 961.75	0.00	70 961.75	-14 373.25
Training Schools	23 650.00	23 294.90	0.00	23 294.90	-355.10
Short-Term Scientific Mission	46 500.00	44 598.00	0.00	44 598.00	-1 902.00
Virtual Mobility	0.00	0.00	0.00	0.00	0.00
ITC Conference	4 400.00	300.00	0.00	300.00	-4 100.00
Dissemination Conference	2 500.00	0.00	0.00	0.00	-2 500.00
Dissemination and Communication Products	7 000.00	3 723.66	0.00	3 723.66	-3 276.34
OERSA	1 000.00	141.74	0.00	141.74	-858.26
Virtual Networking Support	0.00	0.00	0.00	0.00	0.00
<b>Total Networking expenditure</b>	<b>170 385.00</b>	<b>143 020.05</b>	<b>0.00</b>	<b>143 020.05</b>	<b>-27 364.95</b>

Eligible Networking Expenditure Totals	Grant budget (a)	Expenditure			Delta (g=d-a)
		Actuals (b)	Accruals (c)	Total (d=b+c)	
	EUR	EUR	EUR	EUR	EUR
Eligible Networking expenditure	170 385.00	143 020.05	0.00	143 020.05	-27 364.95
FSAC (max 15%)	<b>25 557.75</b>	<b>21 453.01</b>	<b>0.00</b>	<b>21 453.01</b>	<b>-4 104.74</b>
<b>Total eligible expenditure</b>	<b>195 942.75</b>	<b>164 473.06</b>	<b>0.00</b>	<b>164 473.06</b>	<b>-31 469.69</b>