

Empowering Women's Climate Change Resilience in Morocco Through Research and Technological Innovation: A Multidisciplinary Approach

December 4, 2025

Marrakesh, Morocco

Funded by





Introduction

1

Background: Climate change disproportionately impacts women, particularly in developing regions like Morocco.

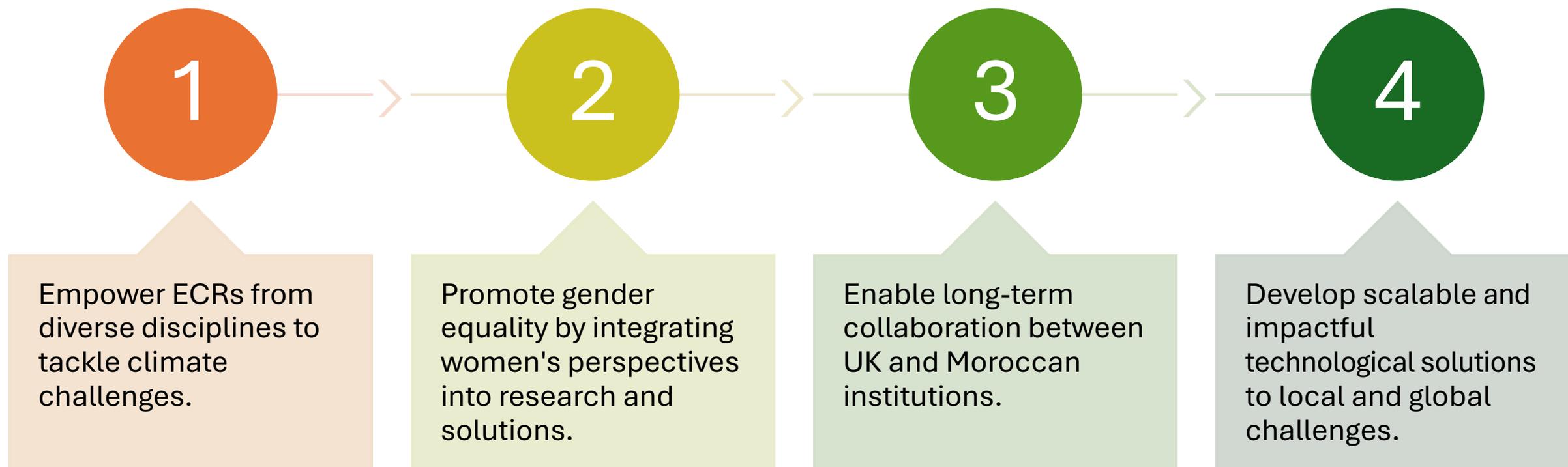
2

Vision: Empowering women to be leaders in climate resilience through interdisciplinary approaches, mainly through the integration of technology.

3

Alignment: British Council's focus on equitable and inclusive higher education partnerships.

Project Objectives



Impact





Cardiff
Metropolitan
University

Prifysgol
Metropolitan
Caerdydd



Introductions



Lead Applicants:

Dr Issam Damaj, Cardiff Metropolitan University, UK

Dr Loubna Mekouar, University Mohammed VI Polytechnic, Morocco



Mentors & External Experts:

Prof Elizabeth Redmond and Dr Fiona Carroll, Cardiff Metropolitan University, UK

Prof Dalila Loudyi and Prof Rachida El Morabet, Hassan II University, Morocco

Dr Mehmet Aydin and Dr Mazhar Mali, University of the West of England, Bristol, UK



Emphasis:

Interdisciplinary expertise across STEM, social sciences, and environmental fields.



Dr Issam Damaj, UK Lead
Cardiff Met, UK



Dr Loubna Mekouar, MA Lead
UM6P, MA



Dr Mehmet Aydin, R&D Expert
UWE Bristol, UK



Dr Mazhar Malik, Judge
UWE Bristol, UK



Dr Fiona Carroll, Mentor
Cardiff Met, UK



Prof Elizabeth Redmond, Mentor
Cardiff Met, UK



Prof Dalila Loudyi, Mentor
UH2C, MA



Prof Rachida El Morabet, Mentor
UH2C, MA

Associate Partners



UK Partners:

Environment Platform Wales

Menter Môn



Moroccan Partners:

Association Democratique des
Femmes du Maroc

Moroccan Coalition for Climate
Justice



Roles:

Networking, stakeholder
engagement, and scaling project
outcomes.

Key Activities

Workshops:

- Virtual with in-person follow-ups in Morocco and the UK, with hybrid options for inclusivity.

Stakeholder Engagement:

- Meet with NGOs, local communities, and policymakers.
- Incorporate feedback to refine solutions.

Collaborative Research:

- Mentor-guided interdisciplinary projects.
- Focus on tangible, scalable outcomes.

Challenge Prizes

Purpose:

- Incentivize innovative solutions aligned with project goals.

Prize details:

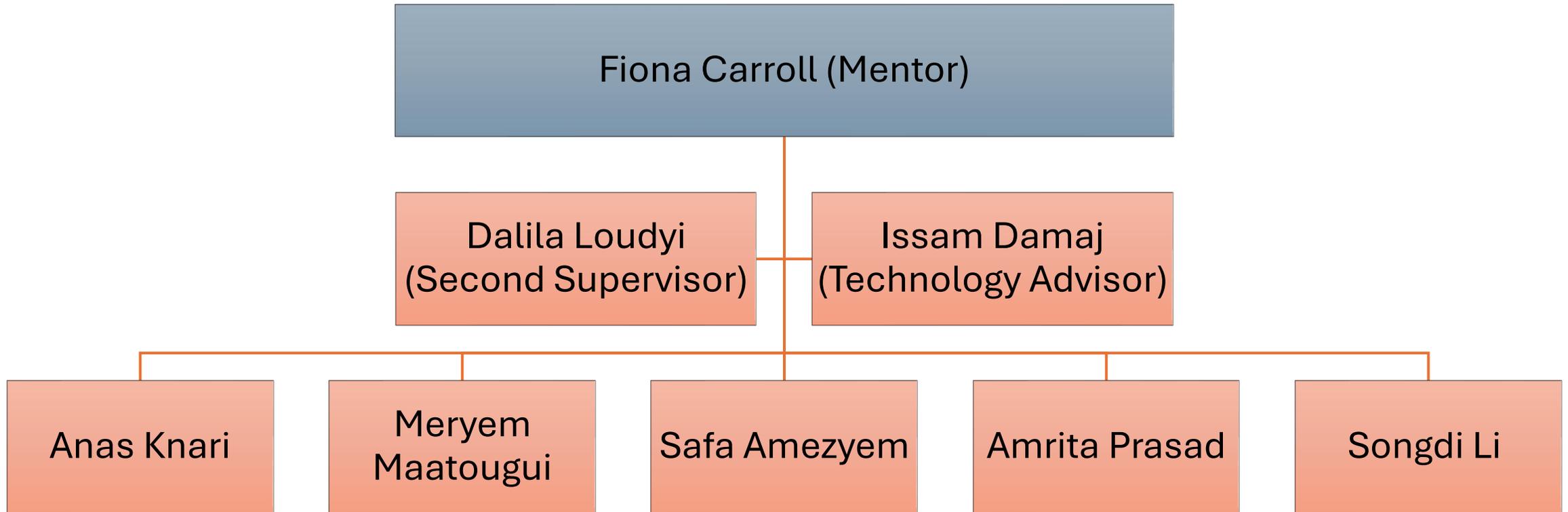
- Four prizes, £2,500 each.
- Focus: Feasibility, innovation, interdisciplinarity, and community impact.

Criteria:

- Address ODA objectives.
- Advance climate resilience and gender equality.

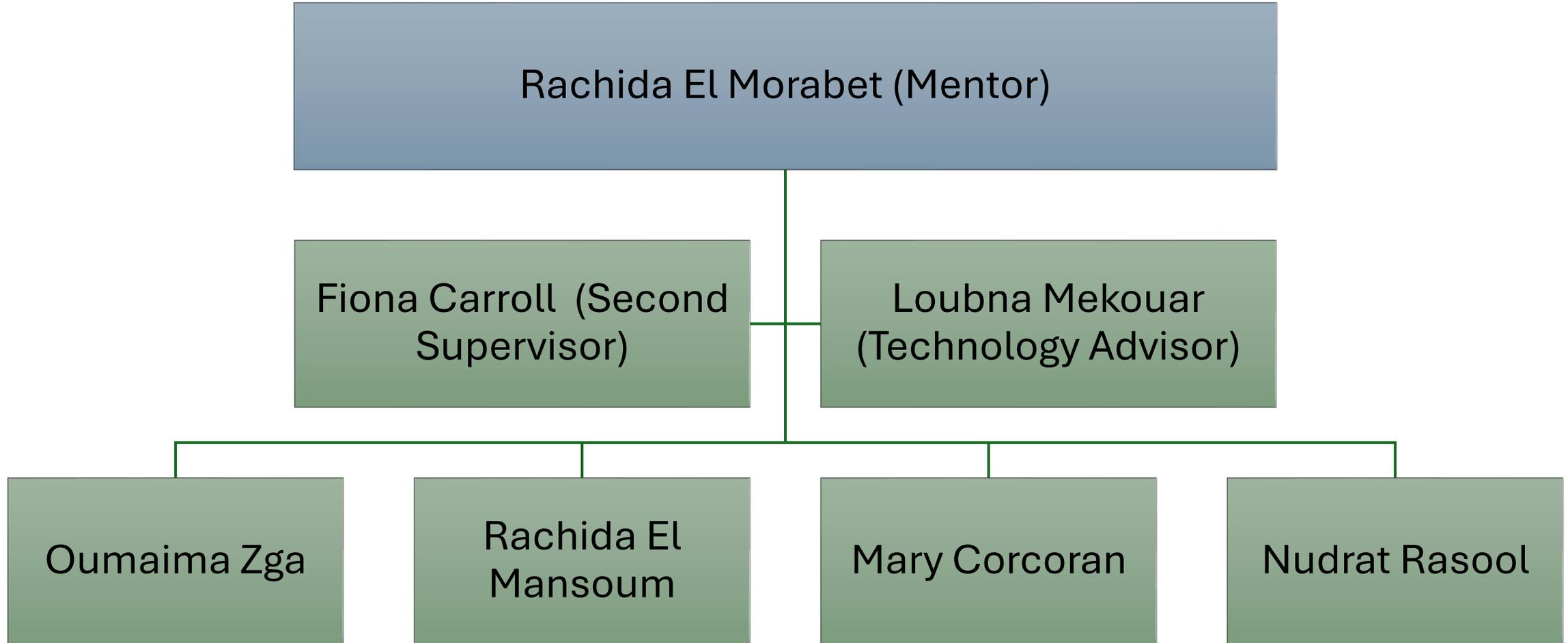
Challenge 1

Agriculture Community-based Mentor System for Women Farmers



Challenge 2

Inclusive Governance and Artificial Intelligence: Ensuring Climate Adaptation that Meets Women's Needs



Challenge 3.7: Home Refrigeration and Food-Waste Reduction in Rural Moroccan Households: A Technological Approach to Safe Food-Storage

Elizabeth Redmond (Mentor)

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graph TD; ER[Elizabeth Redmond (Mentor)] --- RM[Rachida El Morabet (Second Supervisor)]; ER --- ID[Issam Damaj (Technology Advisor)]; RM --- AB[Abdelhak Bouayad]; RM --- FZ[Fatima-Zahra Chbadi]; RM --- SM[Sanar Muhyaddin]; RM --- PS[Pradeep Shrestha]; RM --- RK[Rana Kebbi]; ID --- AB; ID --- FZ; ID --- SM; ID --- PS; ID --- RK;
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Rachida El Morabet
(Second Supervisor)

Issam Damaj
(Technology Advisor)

Abdelhak
Bouayad

Fatima-Zahra
Chbadi

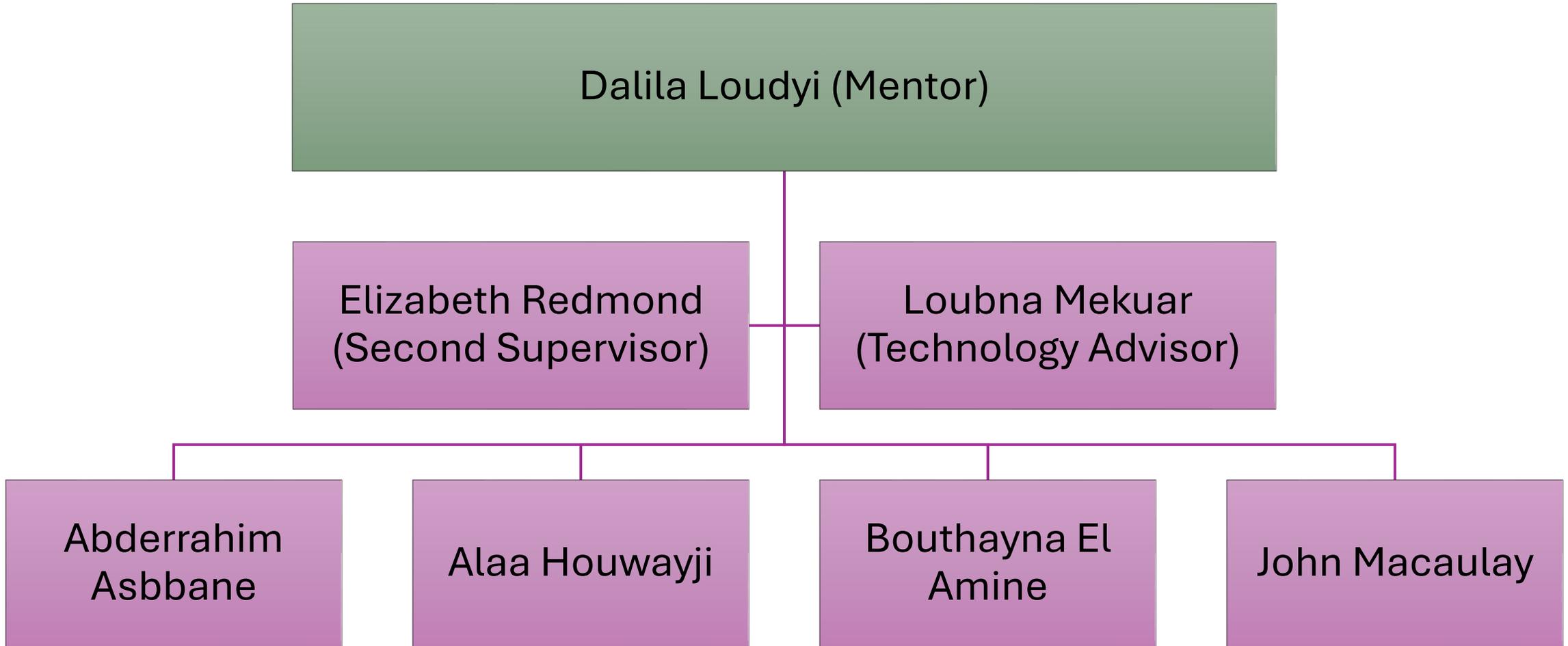
Sanar
Muhyaddin

Pradeep
Shrestha

Rana Kebbi

Challenge 4:

Women of the Argan Biosphere: Climate Resilience, Empowerment, and Innovation in a Changing Ecosystem





Challenge Prize Winners: Project Titles

Project 1: Climate-Smart Agriculture Community-based Mentor System for Women Farmers

Project 2: Inclusive Governance and Artificial Intelligence: Ensuring Climate Adaptation that Meets Women's Needs

Project 3.7: Home Refrigeration and Food-Waste Reduction in Rural Moroccan Households: A Technological Approach to Safe Food-Storage

Project 4: Women of the Argan Biosphere: Climate Resilience, Empowerment, and Innovation in a Changing Ecosystem

Kick-Off Meeting (Pictures)

March 13th, 2025

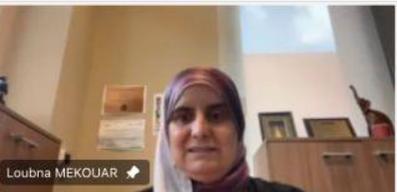




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Empowering Women's Climate Change Resilience in Morocco Through Research and Technological Innovation: A Multidisciplinary Approach

Kick Off Meeting



Loubna MEKOUAR



Damaj, Issam (Unverified)

Participant list:

- L
- CT
- FC
- ER
- LOUDIYI (Ext...
- Tryfona, C...
- Carroll, Fi...
- Redmond, ...
- Kebbi, Ra...



Loubna MEKOUAR



Redmond, Elizabeth



Aziza TANGI



VICTOR ONGOMA



Carroll, Fiona



Rajan, Ginu



Boorer, Rosie



Hewage, Chaminda



LOUDIYI



Tryfona, Catherine



Steve Baker



Mehmet Aydin



Sanaa Moussalim



Tryfona, Catherine



Youssef IRAQI



Khattak, Shadan Khan



Carroll, Fiona



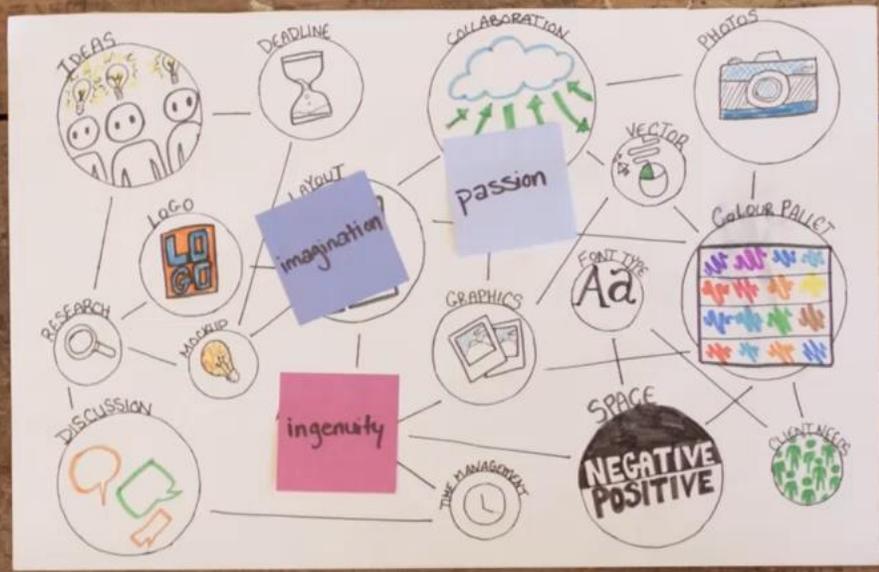
Ahmed Abdelbasset

RO2FIVE Food & Drink Research Unit
Cwmwlfa Dwylliant Bwyd
Prifysgol Metropolitan Caerdydd

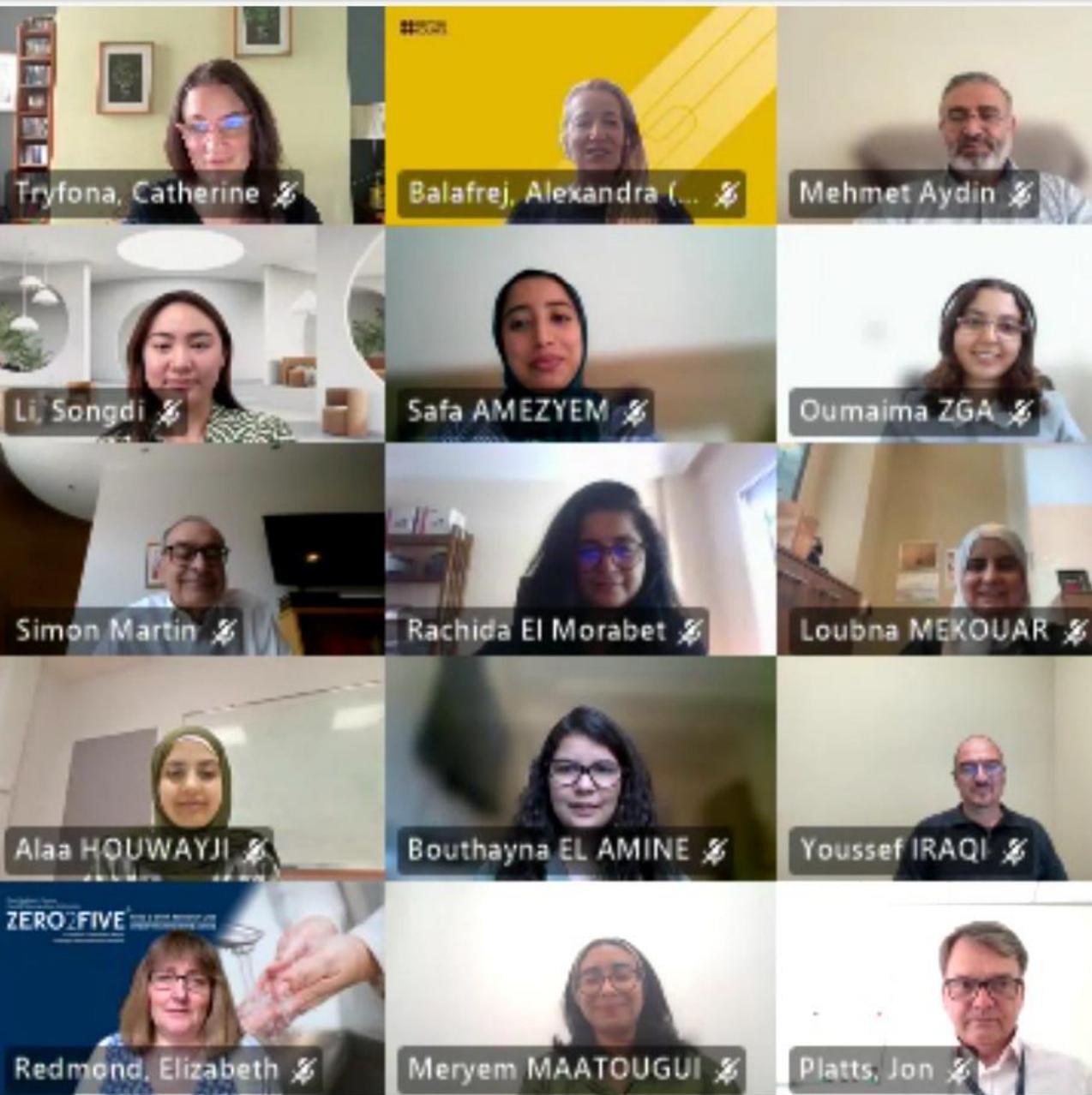
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Redmond, Elizabeth

Challenge Prize Workshops (Pictures)



May 27th – June 11th, 2025



Empowering Women's Climate Resilience in Morocco Through Research and Technological Innovation: A Multidisciplinary Approach

Workshop Day 1
May 27, 2025



Cardiff Metropolitan University

Raise React View Rooms Apps More Camera

LOUDIYI

Damaj, Issam

ALAMI SOUFIANE

Mazha...

Carroll, Fiona

Fatima Zahra CHBADI

Alaa HOUWAYJI

Anas KNARI

Elizabeth

Bouthayna EL AMINE

Abdelhak BOUAYAD

Oumaima ZGA

21

A grid of smaller video feeds for various participants. The top right corner shows a control bar with icons for Raise, React, View, Rooms, Apps, More, Camera, and Microphone. The participants are arranged in a grid, with some names visible below their feeds. The background of the top right grid is blue with the Cardiff Metropolitan University logo.



Kebbi, Rana



Sanar Muhyaddin



Bouthayna EL AMINE



Macaulay, John



LOUDIYI



...nd, Elizabeth



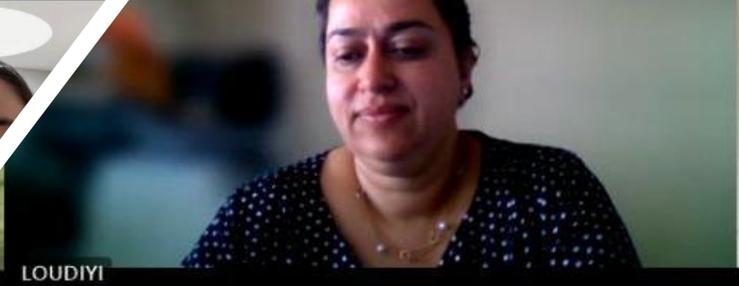
Nudrat Rasool



Mazha...



Carroll, Fi



LOUDIYI



Youssef IRAQI



Alaa HOUWAYJI



Anas KNARI



Bouthayna EL AMINE



Abdelhak BOUAYAD



abderrahim.asbbane

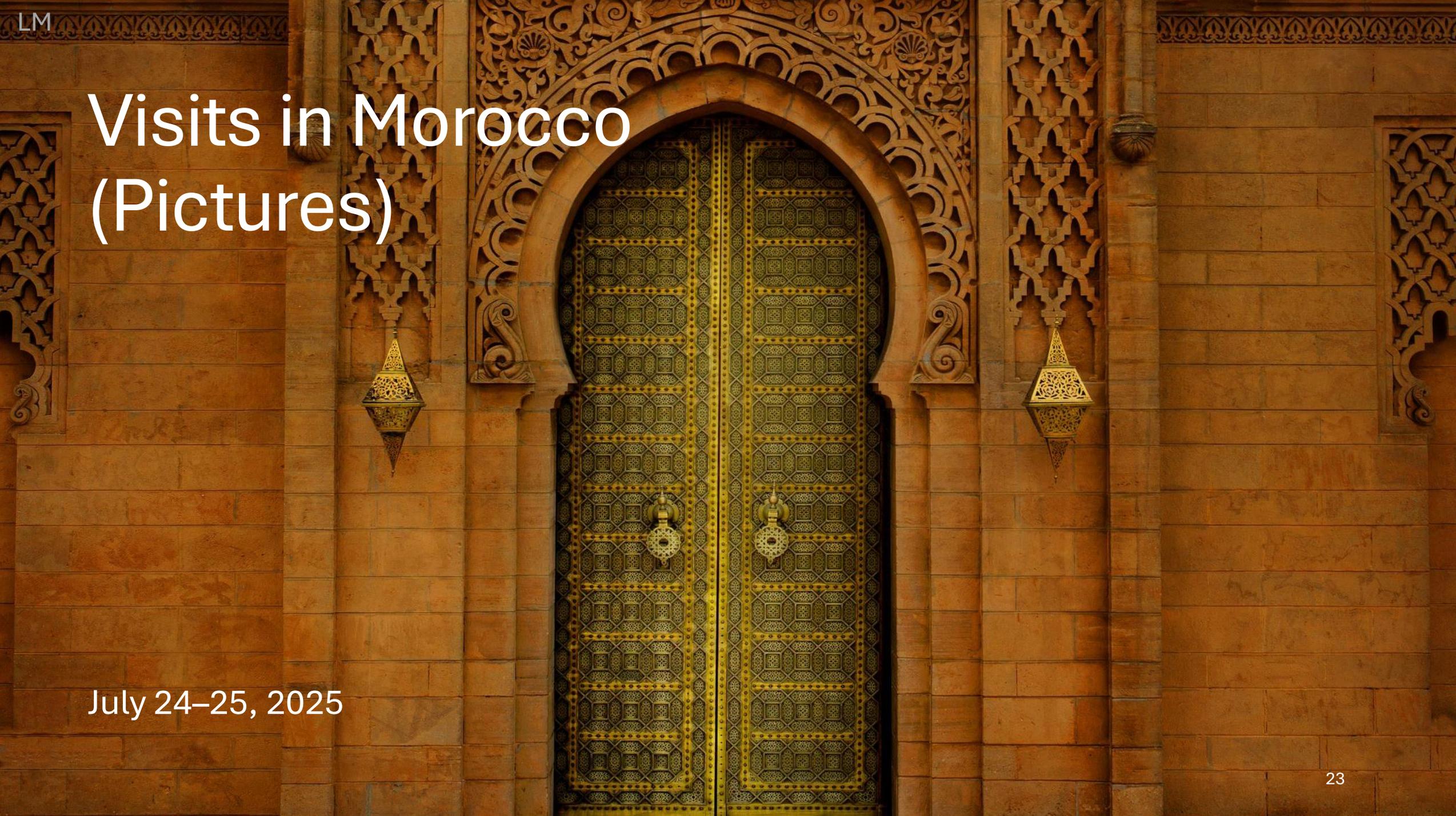


Mehmet Aydin



Visits in Morocco (Pictures)

July 24–25, 2025





Empowering Women's Climate Resilience in Morocco Through Digital Innovation: A Mutual Approach

Morocco Visit
July 24-25, 2025



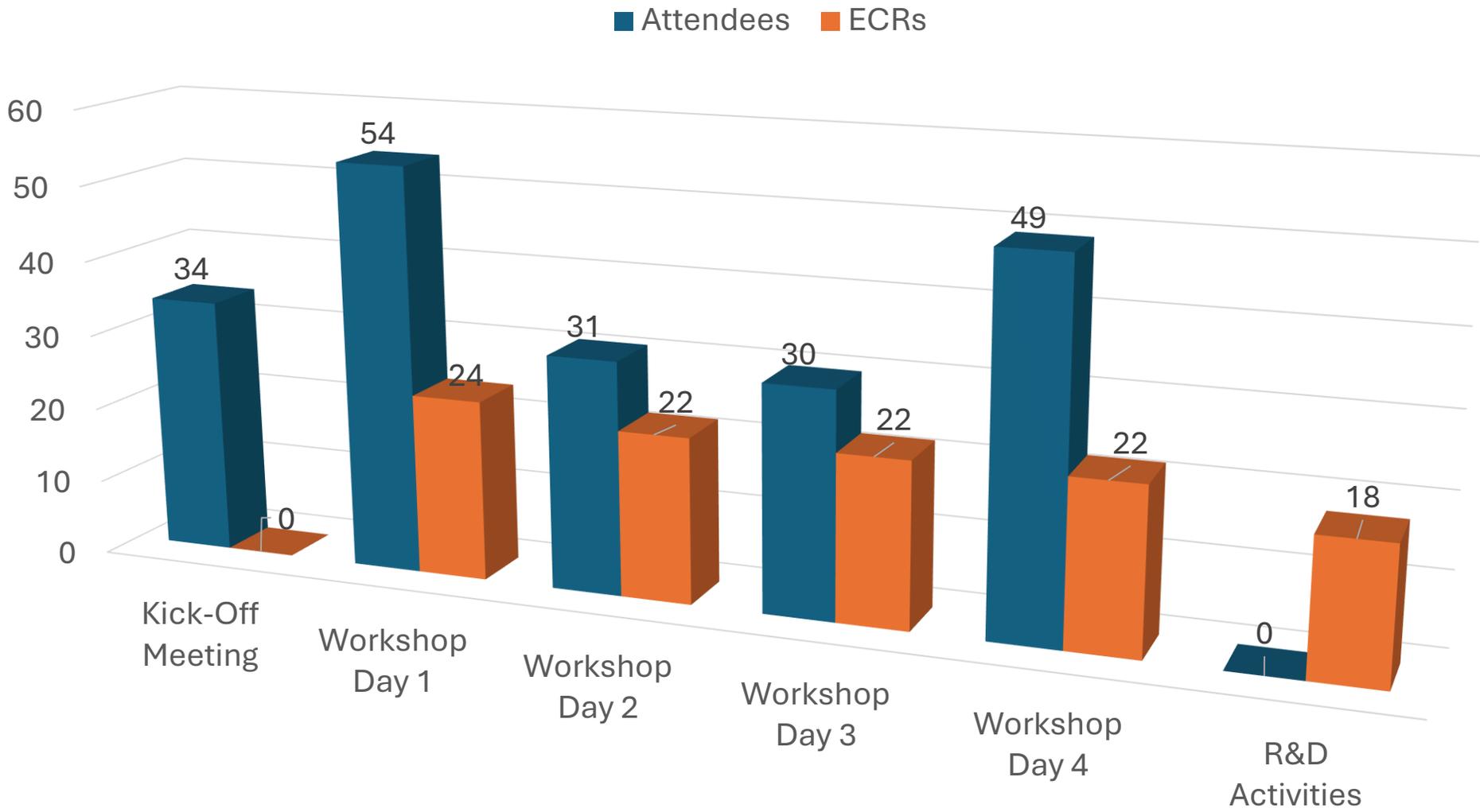
Visits in the UK (Pictures)

August & October 2025



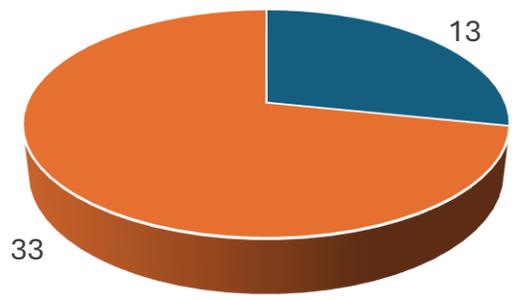


Number of Participants



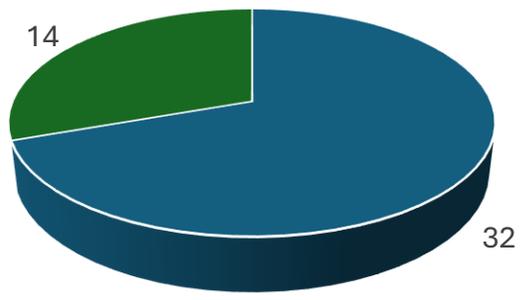
ECR Profiles: 46 Initial Applicants

Total ECRs

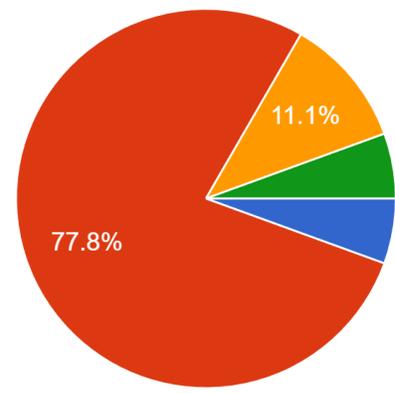


■ United Kingdom ■ Morocco

Women (Applicants)

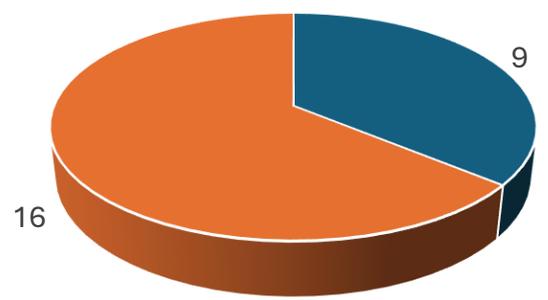


■ Women (Applicants) ■



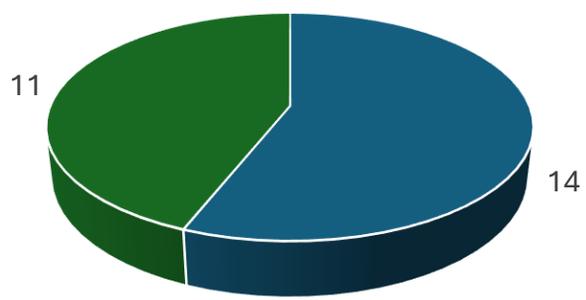
● Under 25
● 25-34
● 35-44
● 45-54
● 55 or older
● Prefer not to say

Accepted ECRs: 25



■ United Kingdom ■ Morocco

Women (Selected)

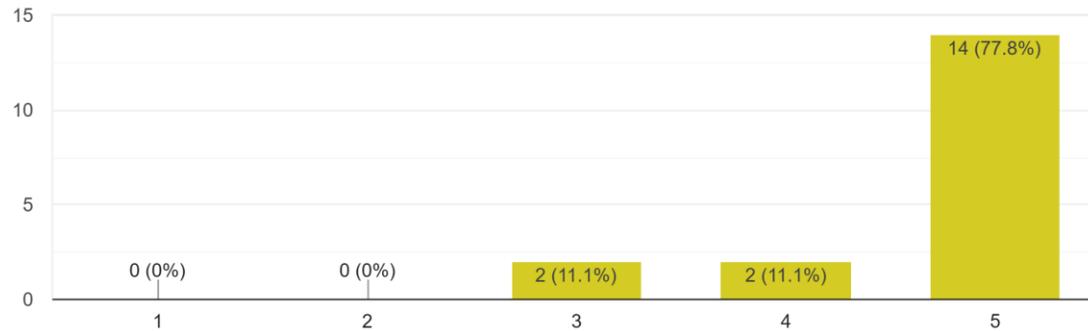


■ Women (Selected) ■

Participant Satisfaction (ECRs)

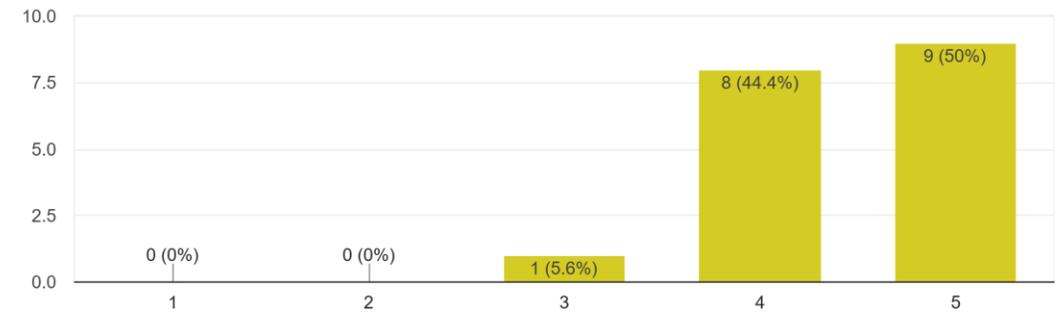
The challenge topics addressed critical aspects of women's resilience to climate change.

18 responses



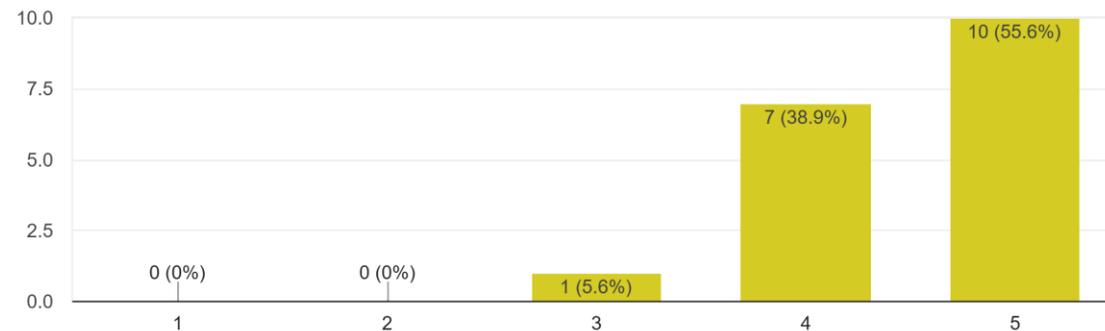
The Research Development sessions on Day 2 and 3 were effective in facilitating our project development.

18 responses



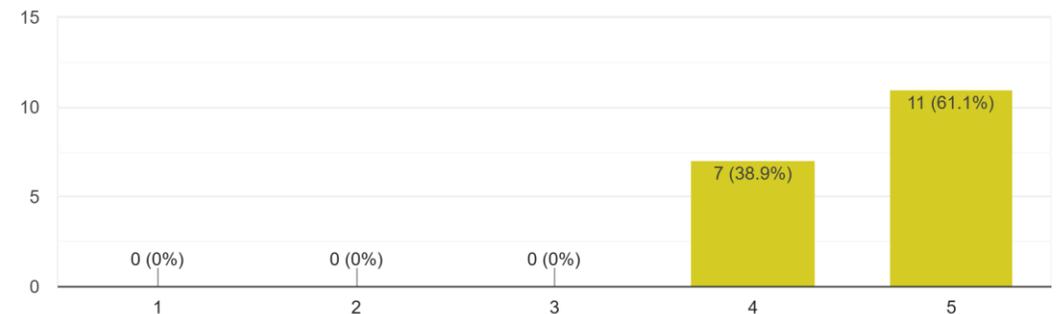
Workshop Day 1 talks (Orientation & Expert Talks) were informative and engaging.

18 responses



The challenge effectively promoted interdisciplinary research approaches.

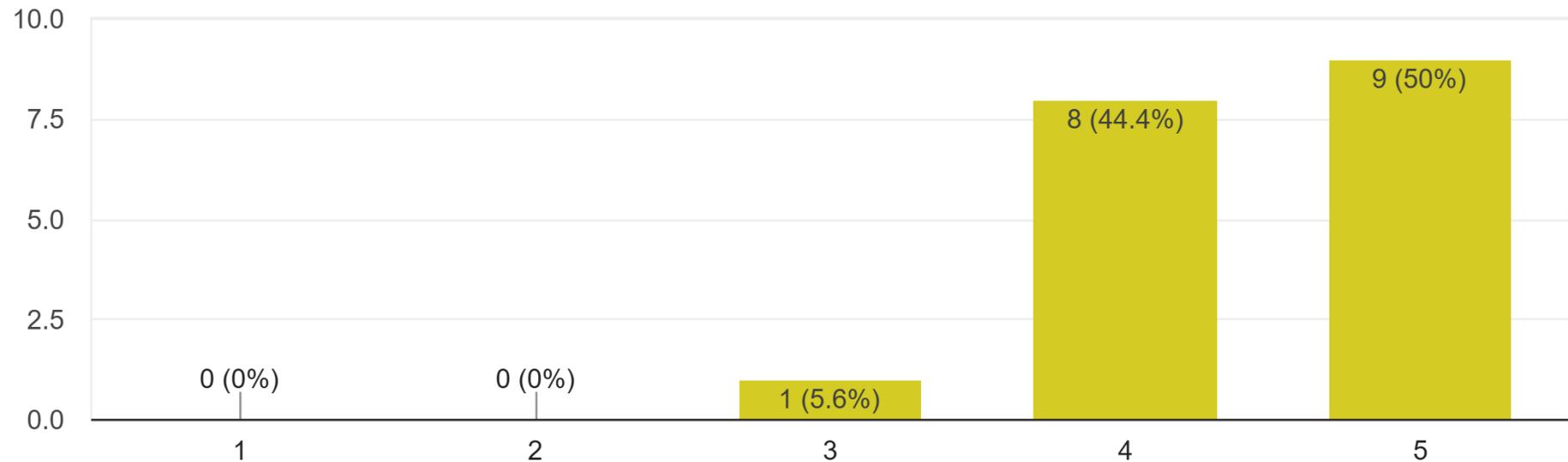
18 responses



Participant Satisfaction (ECRs)

Overall, how satisfied are you with your experience in the ECR Challenge project?

18 responses



Outcomes

Trained researchers equipped with interdisciplinary skills.

Community-driven solutions addressing gender and climate challenges.

Strengthened UK-Morocco academic partnerships.

Contributions to policy and academic discourse.

Strengthening Impact Through Collaboration



Associate Partners' Role:

Provide expertise and resources to enhance project outcomes.

Support in outreach, engagement, and knowledge dissemination.

Facilitate connections with key stakeholders and communities.



Community Engagement:

Ensuring solutions are tailored to local needs.

Creating opportunities for knowledge exchange and co-development.

Building sustainable relationships for long-term impact.

Timeline



Ways to Engage in the Project



Early Career Researchers (ECRs):

Participate in workshops and research development sessions.

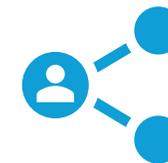
Compete for Challenge Prizes and gain mentorship.



Mentors & Experts:

Guide ECRs in developing impactful, interdisciplinary projects.

Contribute expertise to research and innovation efforts.



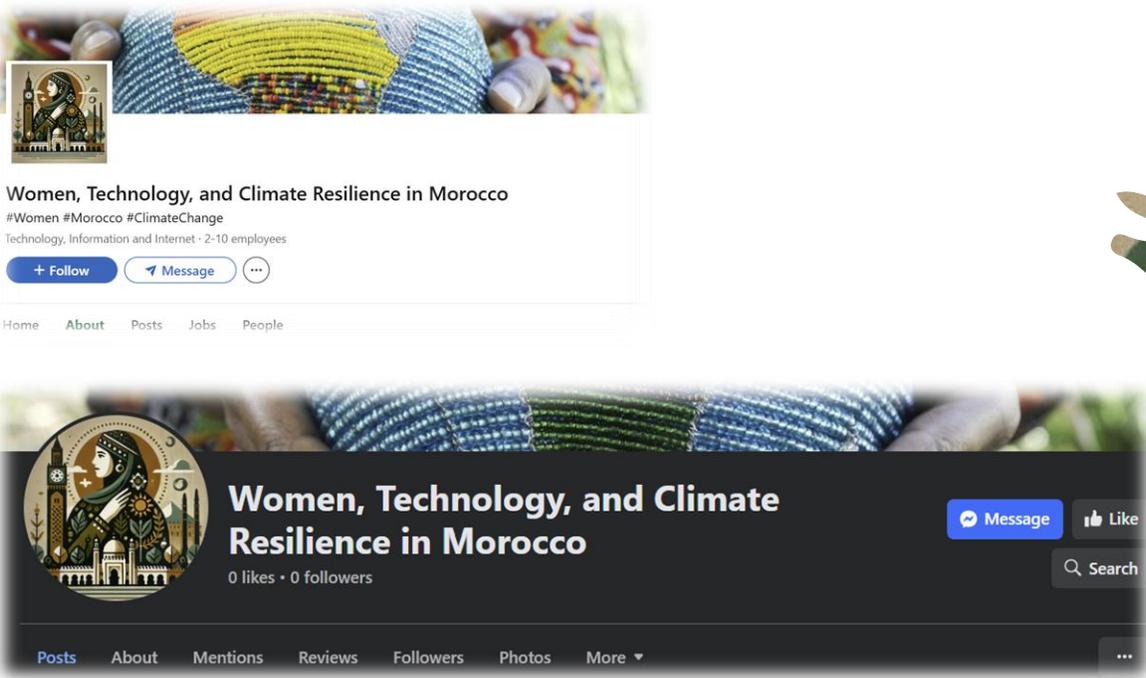
Associate Partners & Stakeholders:

Provide insights and facilitate real-world applications.

Support project dissemination and scaling efforts.

Project Internet Profile

- www.climatemorocco.org (Under Construction)
- [LinkedIn Page](#)
- [Facebook Page](#)



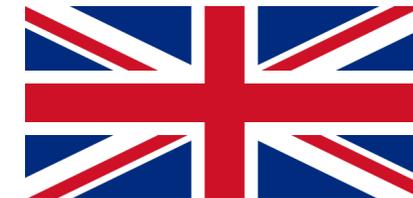


Cardiff
Metropolitan
University

Prifysgol
Metropolitan
Caerdydd

UM6P

University
Mohammed VI
Polytechnic



Climate-Smart Cities, Urban Edges, and Beyond: A UK–Morocco Research Partnership for Digital Resilience

Build interdisciplinary
research capacity on
urban climate
resilience in the UK
and Morocco

Develop and test
inclusive digital tools
for climate-smart
planning in urban and
peri-urban areas

Facilitate cross-
institutional
collaboration and
knowledge exchange

Strengthen
stakeholder
engagement through
co-produced research

Funded by



Research Environments Grant 2025–26, under the
Going Global Partnerships programme.



Thank You!