



***1<sup>st</sup> Italian  
MVA  
Space Summer  
School***

Report



# Italian MVA Space Summer School

## "Towards the Humans return to the Moon"

A multidisciplinary Summer School focused on the "Beginning the New Lunar Journey for Humanity".

**Main topics:** Sciences, Engineering, Economy, Health, Arts and Literature

Rome, IT [or online]  
24-25 July  
8:30 am - 7:30 pm



School Organization Responsible:  
Alessandro Bartoloni

Scientific Organizing Committee:  
Alessandro Bartoloni  
Paolo Caratelli  
Ilaria Pia Fiore  
Giovanni Giordano  
Marco Peroni  
Mattia Pianorsi  
Remo Rapetti  
Giuseppe Reibaldi  
Gennaro Russo

The first Italian MVA **Space Summer School: "Towards the Humans return to the Moon"**

Italian members of **Moon Village Association (MVA)** and institutional partners, to celebrate the **International Moon Day 2023**, have organized the Space Summer School to be held July 24 and 25 at La Sapienza University in Rome (Italy).

The school will pursue the goals of **IMD2023**, focused on "**Beginning the New Lunar Journey for Humanity**", and promote the expertise and research interests of Italian associates and the MVA's institutional partner to network between students and stakeholders. The topics addressed will have as their main focus the future activities of Lunar Space Exploration, but will reflect MVA's characteristic of considering the topic from the perspective of more than one discipline (**Science, Engineering, Economics, Health, Art and Literature**), implementing a multi- and cross-disciplinary teaching approach.

**Note.** The school will be in **English** and is aimed at those who want to get an overview of the main topics related to Lunar Exploration. A **certificate of attendance** will be awarded at the end of the Summer School.

# ***Day-1 Program 1/2***

**08:30 - 09:00 Registration**

**09:00 - 09:10 MVA Space Summer School Presentation**

Alessandro Bartoloni (MVA)

**09:10 - 09:15 The International Moon Day 2023 (video)**

Nasr A. Al-Sahhaf (MVA)

**09:15 - 09:30 The Moon Village Association**

Giuseppe Reibaldi (President MVA)

**09:30 - 10:30 Living on the Moon: Settlements Ideas**

Paolo Caratelli (Abu Dhabi University & MVA)

Ilaria Fiore (SEDS Italia & MVA)

**10:30 - 11:00 Lagrange Points: Kickstarting a Cis-Lunar Economy for the 21st Century**

Paolo Mangili (Houston University & MVA)

**11:00 - 11:30 Break**

**11:30 - 12:30 The Cislunar City: The Way to the Moon**

Gennaro Russo (Center for Near Space of IIF)

**12:30 - 13:30 Lunch Break**

**13:30 - 14:30 Students Associations Corner**

Easha Tahzeen, Giovanni Romano (Polispace)

Alessia Gloder , Selene Cannelli (SGAC)

# ***Day-1 Program 2/2***

**13:30 - 14:30 Are we communicating space correctly ?**

Emma Gatti (SpaceWatch.Global)

**14:30 - 15:15 Sustainable Moon Exploration: Good Practices for a Resilient Lunar Journey**

Malak Trabelsi Loeb (Vernwell Group)

**15:15 - 16:00 Space Anthropology**

Jane Davies (University College of London)

**16:00 - 16:30 Break**

**16:30 - 16:55 Unlocking the Moon's potential**

Laura Todd (VP of Space Exploration Future Programmes at Airbus Defence and Space)

**16:55 – 17:25 In slippers on the Moon**

Marco Peroni (Peroni Ingegneria & MVA)

**17:25 – 17:50 Space Radiation: The Moon Case**

Alessandro Bartoloni (INFN Roma & CERN)

**17:50 - 18:10 Landing the future : Lunar Landing Pads and Inflatable Lunar Landers**

Prève Chobert (ESA-EAC & SEDS France)

**18:10 – 18:35 The moon as a stepping-stone to a multi-planetary humanity**

Vittorio Netti (Houston University)

**18:35 - 18:40 Wrap-Up**

Alessandro Bartoloni (MVA)

# ***Day-2 Program 1/2***

**08:30 - 09:30 Registration**

**09:30 - 10:00 From the Big-Bang to the Moon**

Giovanni De Maria (Sapienza)

**10:00 - 11:00 Lunar Economy**

Mattia Pianorsi (SEE Lab -SDA Bocconi)

Walter Cugno (Thales Alenia Space)

**11:00 - 11:30 Break**

**11:30 - 12:30 Moon Exploration**

Simone Pirrotta (Italian Space Agency)

**12:30 - 13:30 Lunch Break**

# ***Day-2 Program 2/2***

**13:30 - 13:50 Robotic Lunar Habitat Construction using Solar Sintering Rover**

Brendan Mance (WARR space robotics & TU Munich )

**13:50 - 14:40 Advancements in Lunar Exploration**

Giovanni Giordano (NewRoboticArm)

**14:40 - 15:30 The Sociology of Lunar Settlements**

Riccardo Campa (Jagellonian University of Krakow )

**15:30 - 16:00 Break**

**16:00 - 16:30 Culture on the Moon and Preservation of Human Heritage**

Remo Rapetti (MVA)

**16:30 - 17:00 Why go to the Moon ?**

Arthur Woods (ArsAstronautica & MVA)

**17:00 - 18:00 Lunar Governance**

Giuliana Rotola (Sant'Anna School of Advanced Studies)

Aj Link (Center for Air and Space Law)

**18:00 - 18:15 Summary and Conclusion**

Alessandro Bartoloni (MVA)

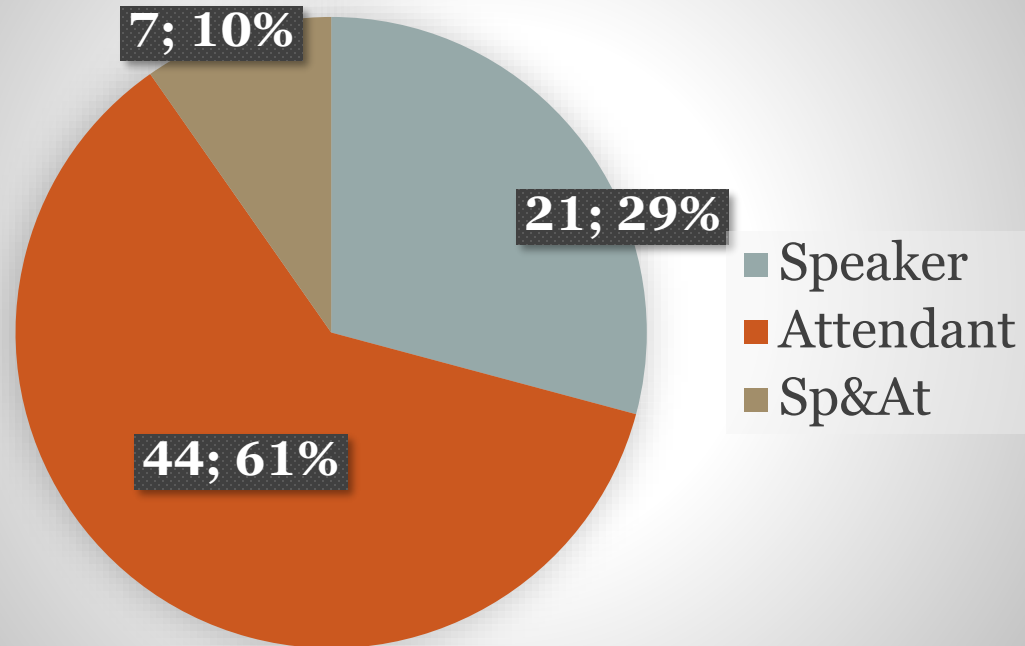
Giuseppe Reibaldi (President of MVA)

# ***PARTICIPATION***

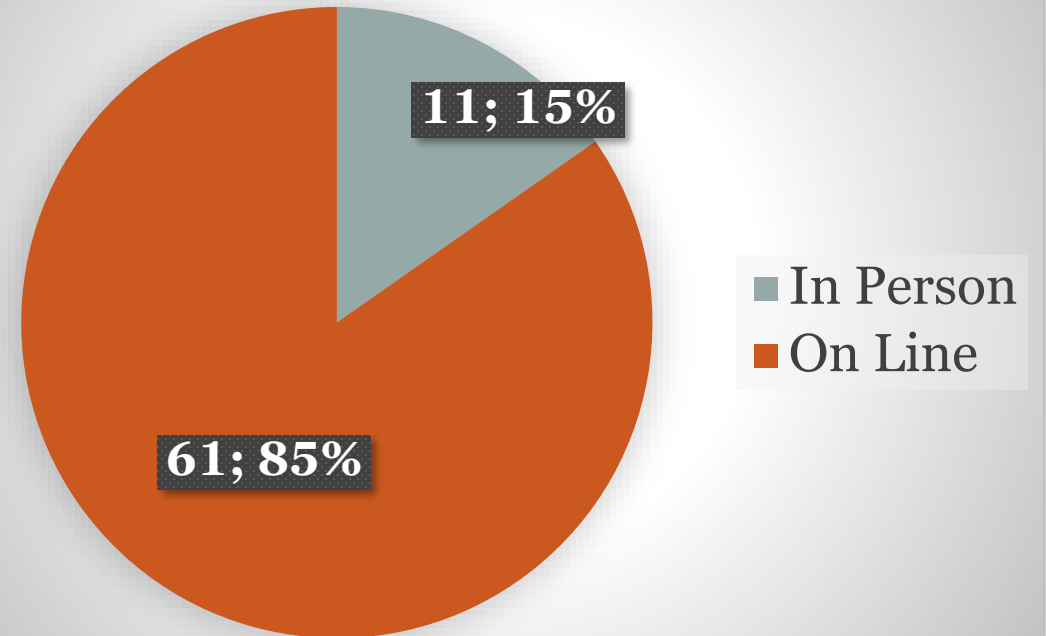


# Participation (72 registered)

## People by type of attendance



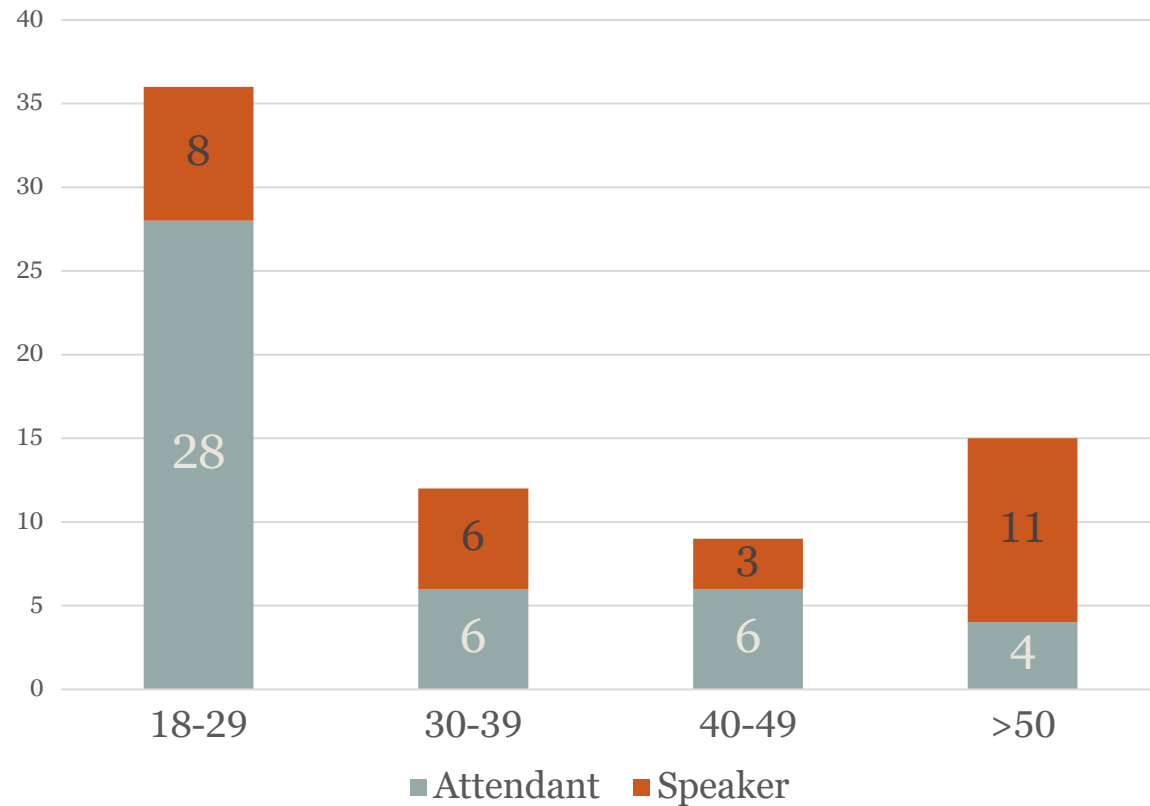
## People by connection



Maximum participation 55 people (in person + on-line)  
Minimum participation 25 people (in person + on-line)



Age Participants (Speakers+Attendants)

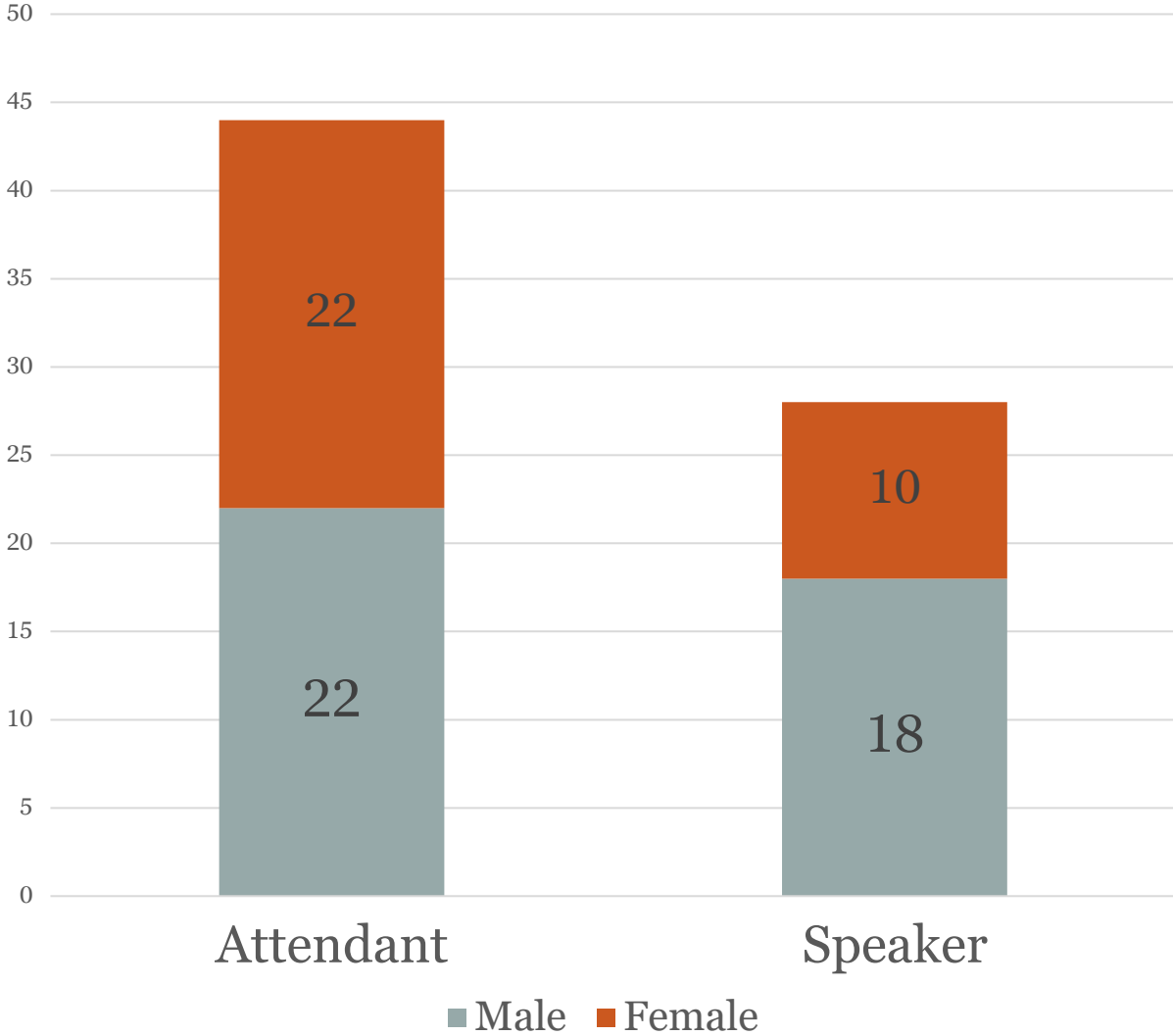


***An excellent  
equilibrium***

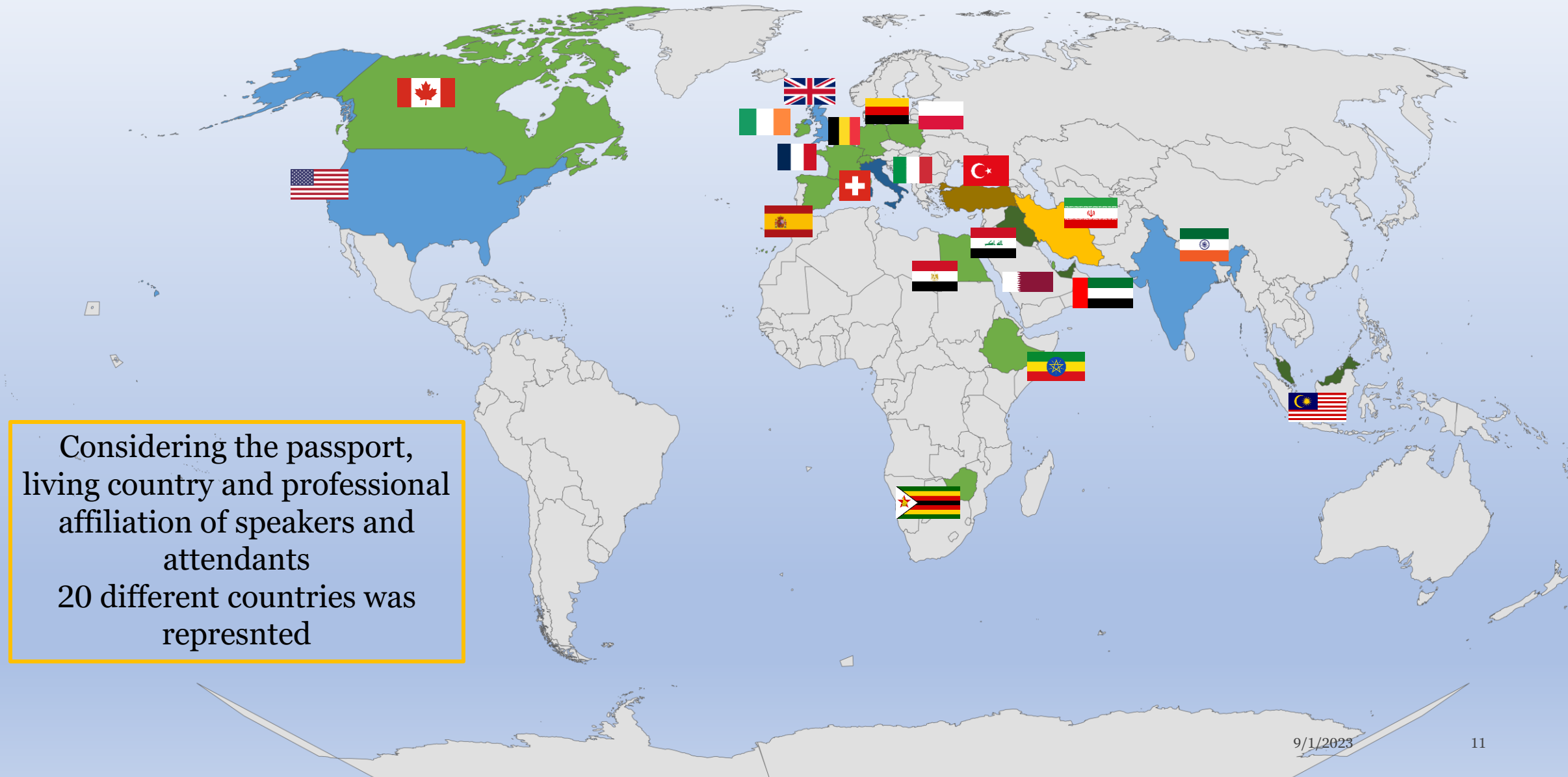
***50% of participants <  
30 years old***

***speakers of all ages:  
1/3 < 30  
1/3 30-49  
1/3 >50***

# *Participants by Sex*

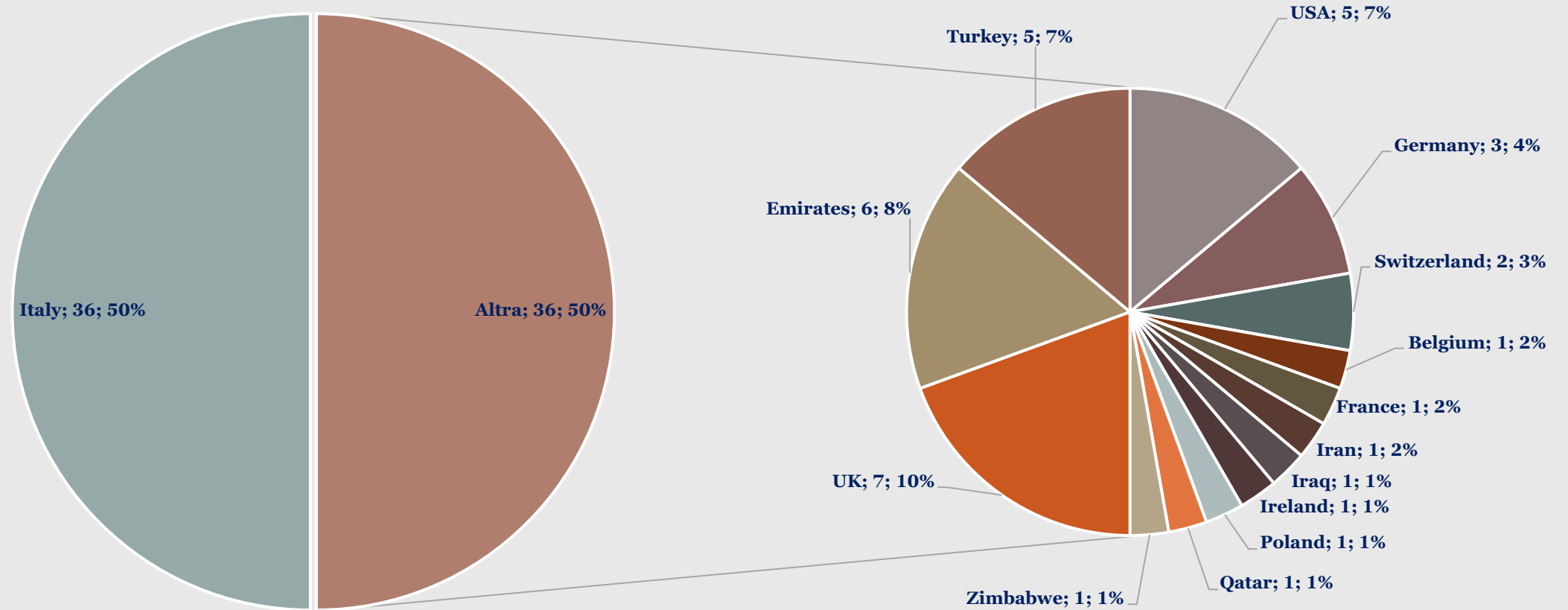


# Participations by Countries



Considering the passport, living country and professional affiliation of speakers and attendants 20 different countries was represented

# Participants by Living Country



# Participants by Affiliations

