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14 - 18 OCTOBER 2024 MILAN - ITALY

RESPONSIBLE
SPACE FOR
SUSTAINABILITY

SUPPORTED BY:



HIGHLIGHTS

IAC2024.ORG

INTRODUCTORY REMARKS

What an incredible journey we have had in Milan! The 75th International Astronautical Congress was not just a gathering — it was a unifying moment that brought our global community together in ways that left us all inspired and energized. We saw such a rich mix of perspectives, from Heads of Space Agencies and astronauts to industry leaders, government representatives, researchers, students, and young professionals. Each one of you brought fresh ideas and passion to Milan, making our theme, “*Responsible Space for Sustainability*,” come alive.

With a strong support from our host, AIDAA, and co-hosts, ASI and Leonardo, IAC 2024 represented a powerful symbol of the remarkable achievements that are possible when we join forces for a common goal. Over 11,200 delegates from 120 countries gathered, sparking new ideas and conversations to build a sustainable future for space. Our technical programme broke records, and the exhibition, with more than 530 exhibitors, was a world-class showcase of technology and vision and last but not least the inaugural IAF Global Space Leaders Summit brought together 60 heads of space agencies in the largest meeting of space leaders, starting vital conversations on our shared path forward.

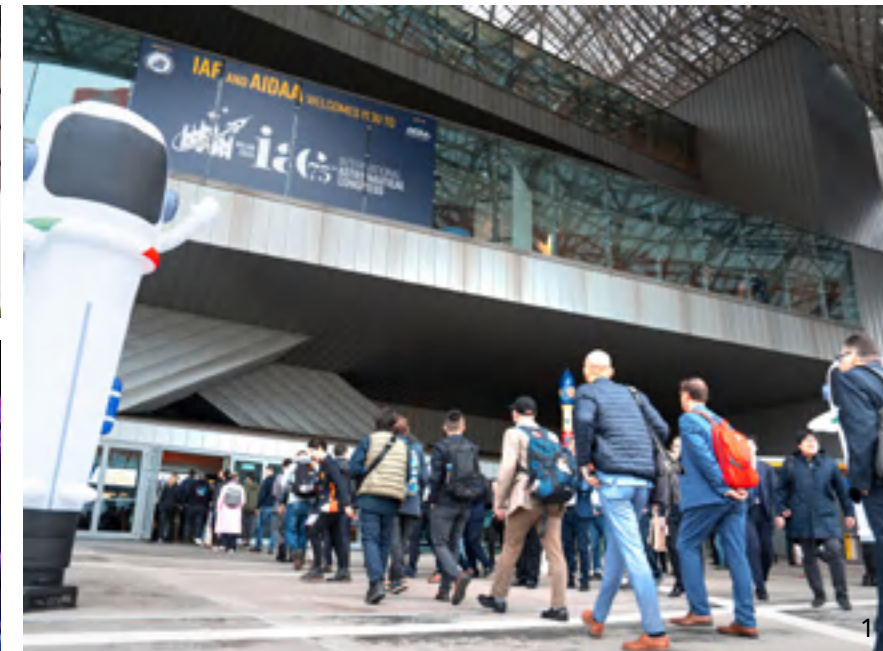
We are deeply grateful to all of you—our members, sponsors, authors, volunteers, and partners — who made this IAC unforgettable. Your dedication is the heartbeat of this congress, and without you, none of this would be possible.

And now, as IAC continues its journey around the globe, we are heading to Sydney for IAC 2025! It’s going to be a fantastic opportunity to reconnect, discover, and make new memories in a beautiful new setting. Let’s bring the same energy and commitment to Australia as we work together to drive the future of space forward.

Enjoy these highlights, and I can not wait to see you next year in Sydney!

Clay MOWRY

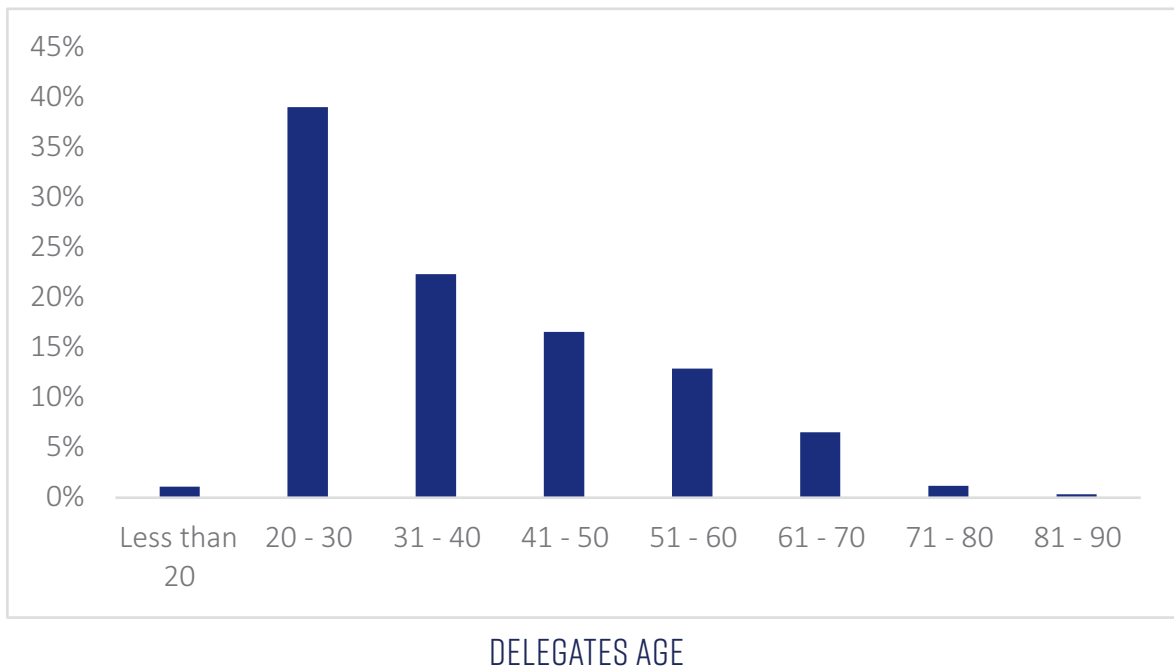
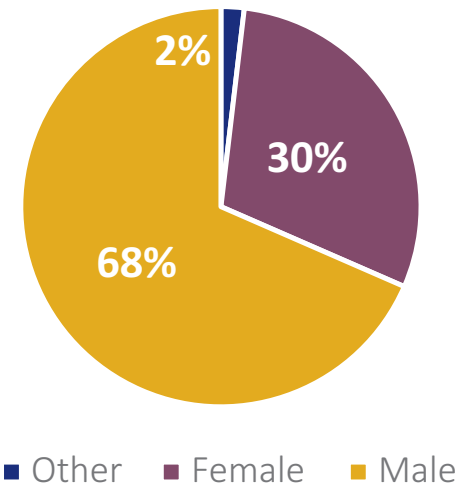
President,
International Astronautical Federation (IAF)



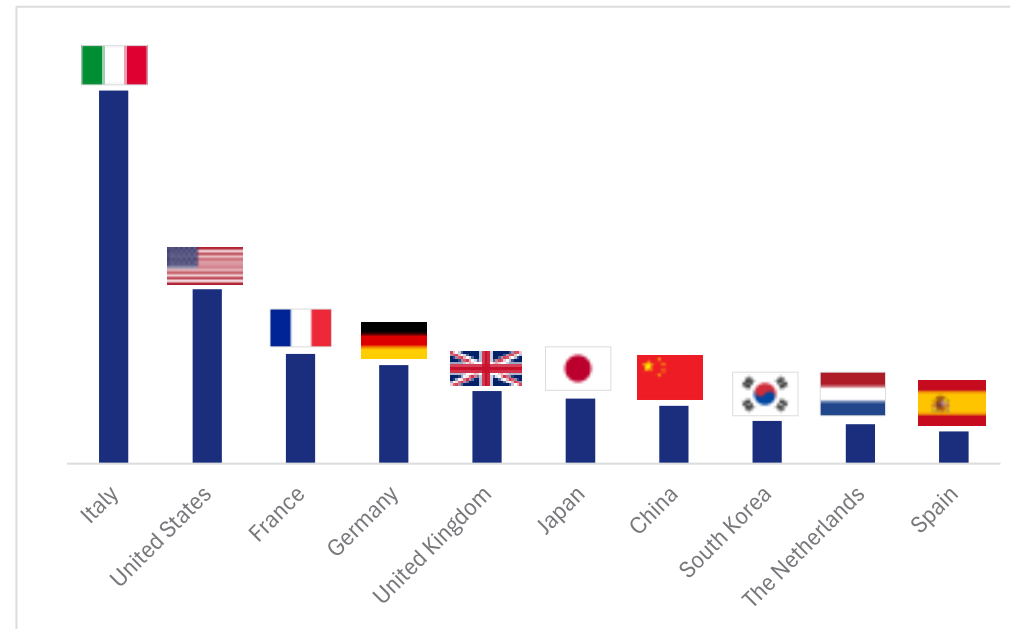
STATISTICS

REGISTRATION

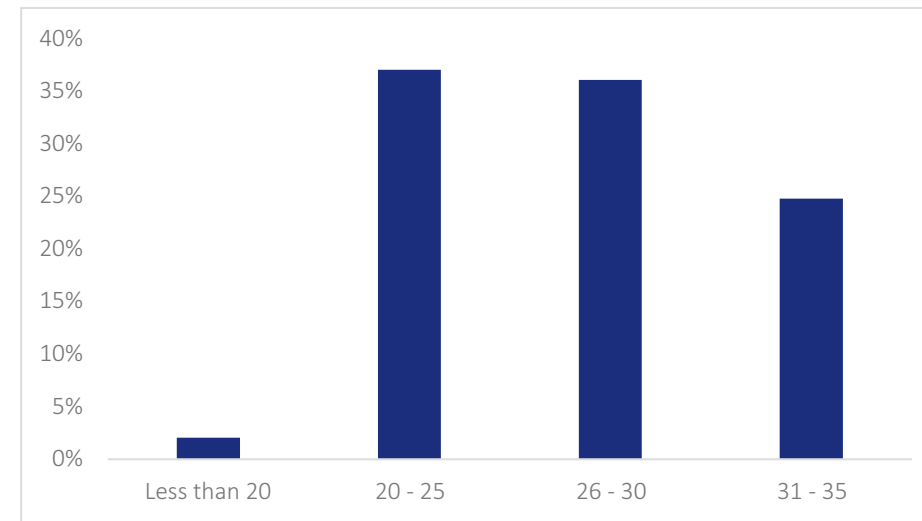
GENDER DISTRIBUTION



REGISTRATION TOP 10 COUNTRIES



NEXT GENERATION BY AGE



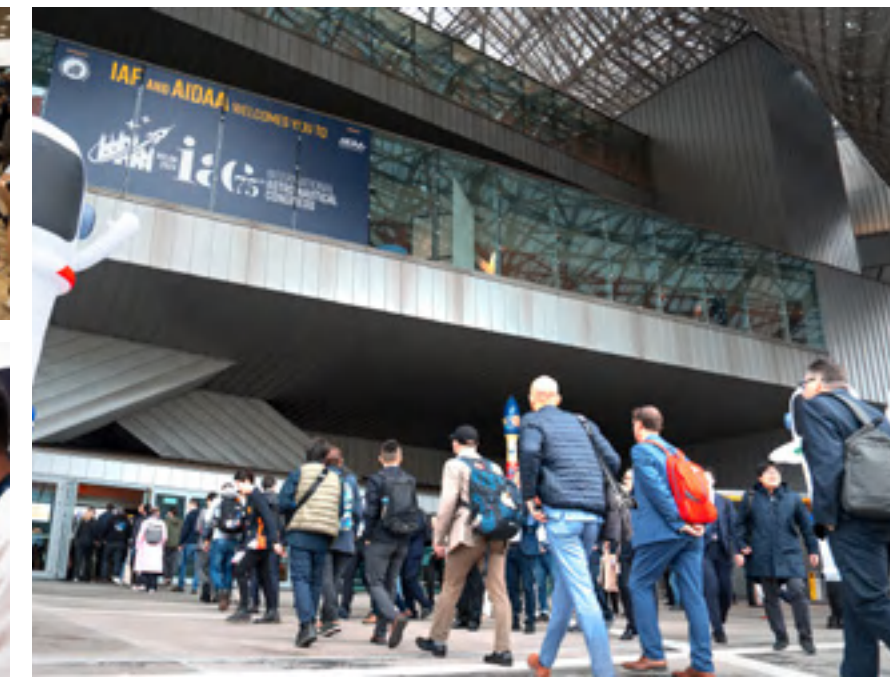
MONDAY

AGENCY DAY



THE ARRIVAL

The opening day of the 75th International Astronautical Congress set an exciting record as the largest IAC in history, bringing together over 11,200 delegates from 120 countries. This unprecedented turnout made it one of the most diverse gatherings in the global space community.



MONDAY



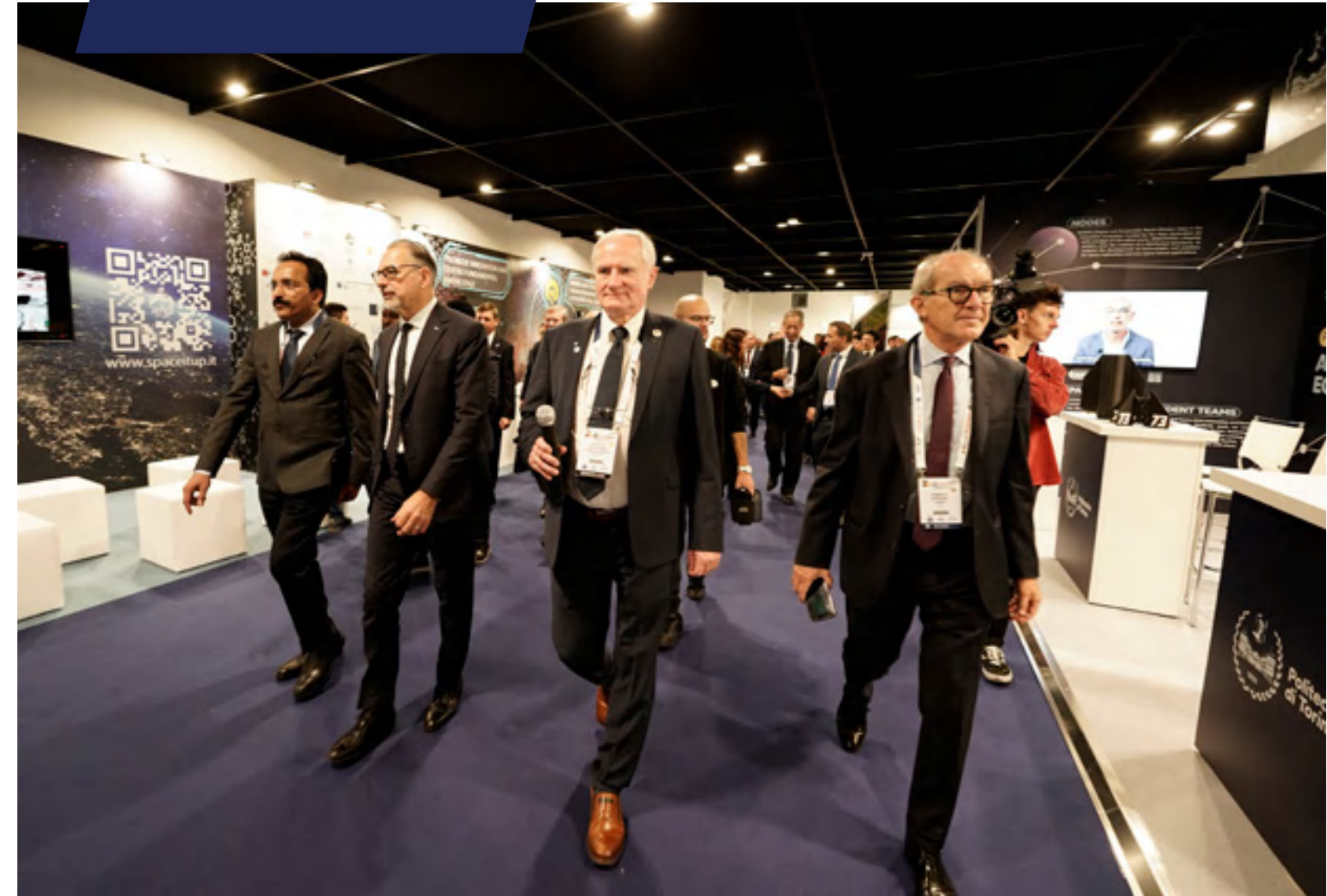


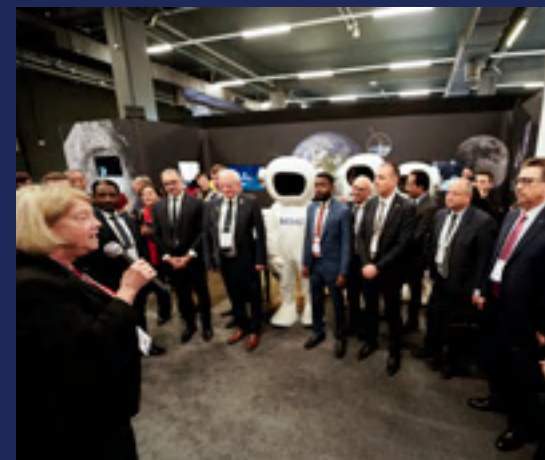
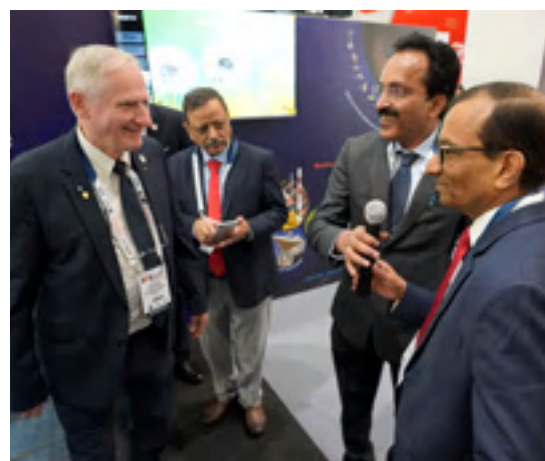
THE EXHIBITION OPENING



The astonishing IAC 2024 Exhibition featured a record number of more than 530 exhibitors! It was filled with captivating displays, interactive booths, and groundbreaking technologies, including the magnificent display of the samples from the far side of the Moon brought by China's Chang'e 6 mission as well as samples from the asteroid Bennu brought back by NASA's OSIRIX-REx Mission.

VIP EXHIBITION TOUR





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MONDAY



Six heads of agencies convened in the first panel of IAC 2024 to foster dialogue on pressing space issues and encourage collaboration among stakeholders from diverse backgrounds.





MONDAY



This plenary event highlighted the need for responsible practices in sustainable space exploration, focusing on Moon to Mars initiatives and collaborative efforts.





PRESS CONFERENCE

ARTEMIS ACCORDS MULTILATERAL PRESS BRIEFING



MONDAY



IAF GLOBAL NETWORKING FORUM



MONDAY



SPECIAL SESSIONS



MONDAY

TECHNICAL SESSIONS



MONDAY



WELCOME RECEPTION



MONDAY



TUESDAY

INDUSTRY DAY

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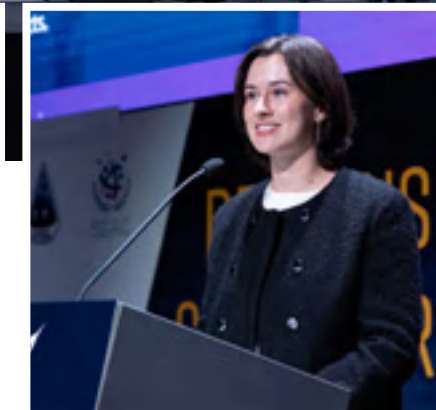


TUESDAY





This plenary event explored the future of space exploration through the lens of non-space sectors, highlighting innovative collaborations that aimed to unlock the Moon's potential.



IAF GLOBAL SPACE LEADERS SUMMIT



A key highlight of this year's IAC was the inaugural IAF Global Space Leaders Summit, uniting 60 heads of space agencies for a historic and the largest-ever gathering of leaders from established and emerging space nations to discuss cooperation, governance, and sustainability.

TUESDAY







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TUESDAY



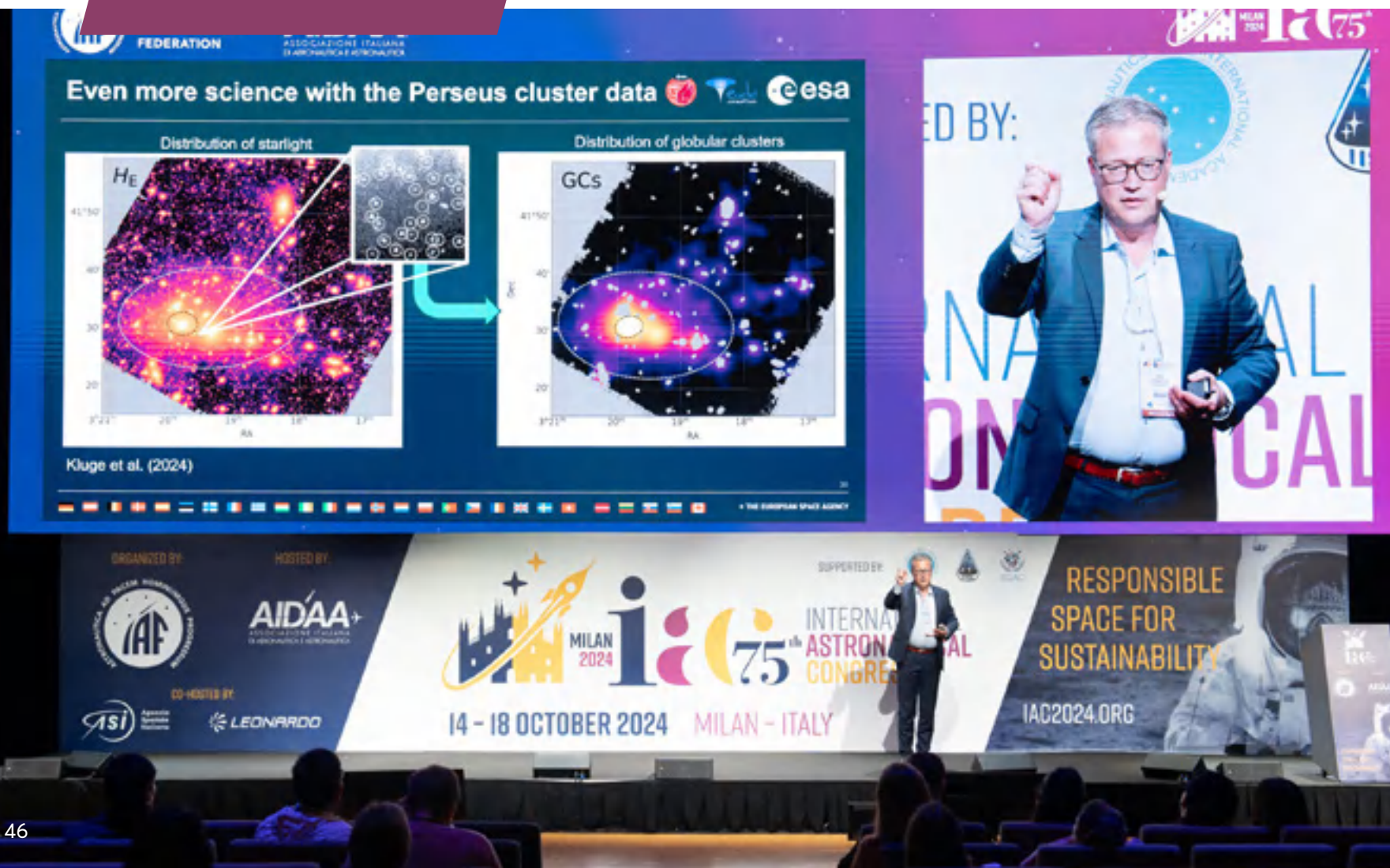
The recipients of this year's IAF Excellence in Industry Awards are United Launch Alliance in the large industry category, and ispace in the SME category.





This plenary examined advancements in in-situ resource utilization (ISRU) and how international co-operation could enable the production of essential materials on the Moon and Mars.





The highlight lecture summarized the Euclid mission, focusing on its dark Universe survey to study dark energy and dark matter, and outlined the development challenges and international collaboration for data processing.





The late breaking news highlighted the successful Chang'E-6 mission, which collected 1,935.3 kg of lunar samples from the Moon's far side, marking a historic achievement in lunar exploration and advancing international cooperation in space research.



The late breaking news revealed the Euclid mission's first-year observations, aimed at uncovering dark matter and dark energy, along with a preview of its capabilities and upcoming scientific results.

IAF GLOBAL NETWORKING FORUM



TUESDAY

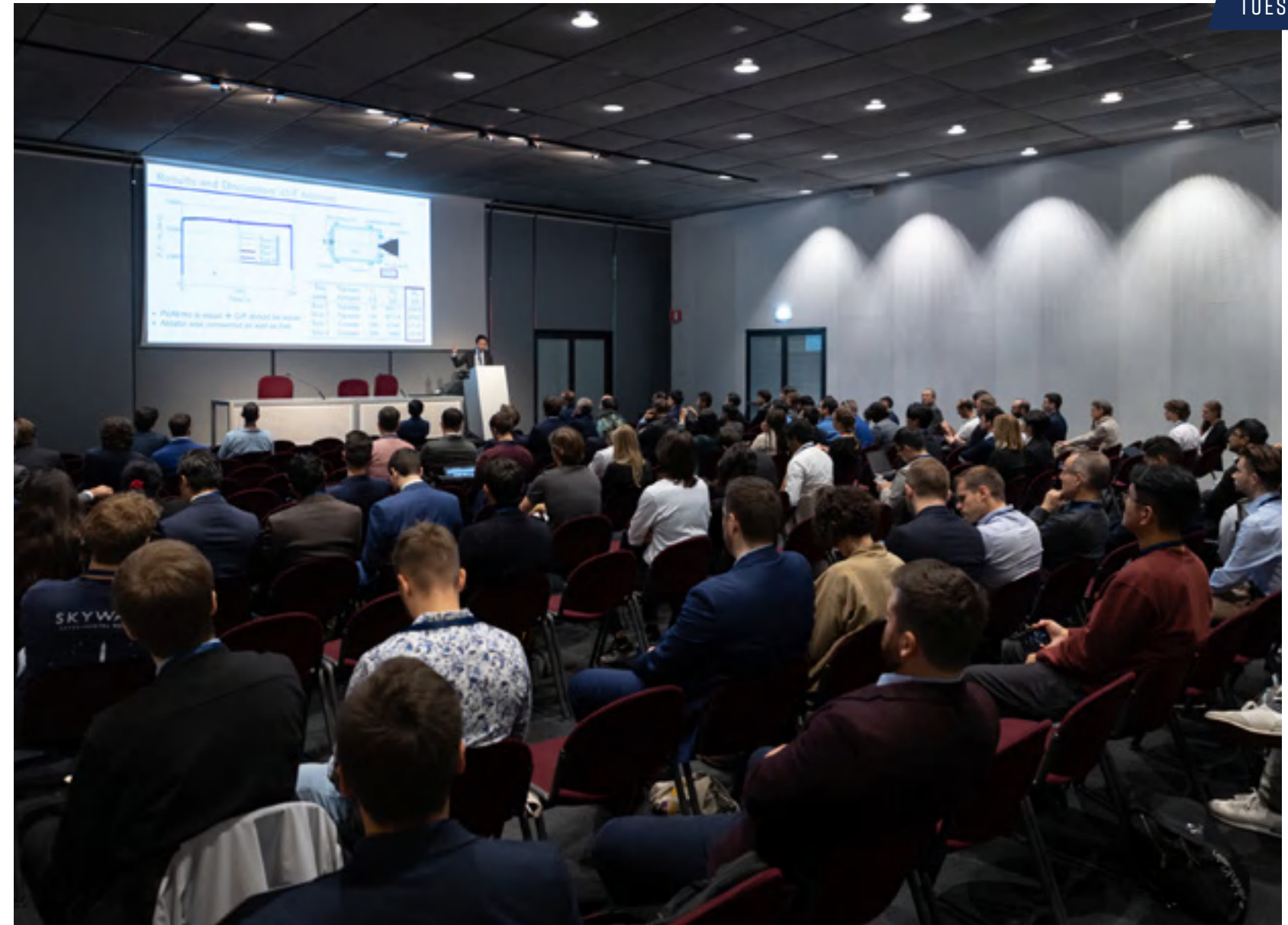
SPECIAL SESSIONS



TUESDAY

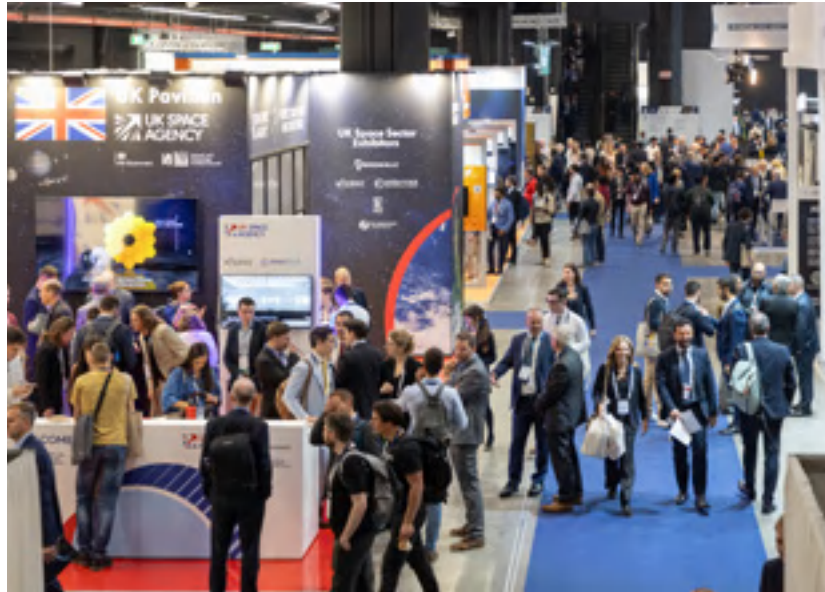


TECHNICAL SESSIONS



TUESDAY

EXHIBITION



WEDNESDAY

DIVERSITY DAY



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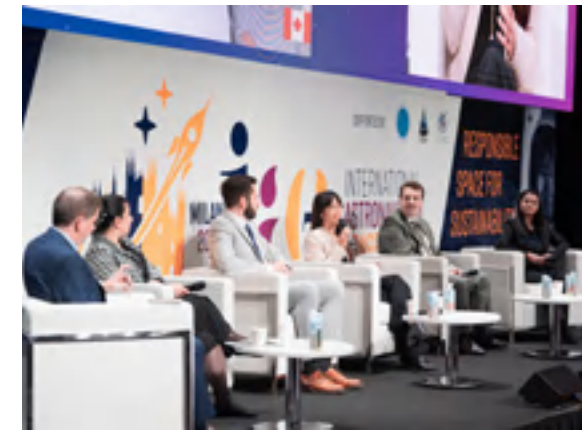


WEDNESDAY





The 5th Plenary highlighted emerging leaders using big data, advanced algorithms, and autonomous robotics to improve space operations and tackle challenges like data integrity and space debris tracking.



WEDNESDAY





Axiom Space and Prada revealed the next-generation spacesuit for the Artemis III lunar mission during a press conference, showcasing the Axiom Extravehicular Mobility Unit (AxEMU) and its advanced technologies.





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WEDNESDAY





The plenary highlighted the essential role of space observation in addressing climate change, emphasizing satellite technology's impact on local adaptation and mitigation strategies.

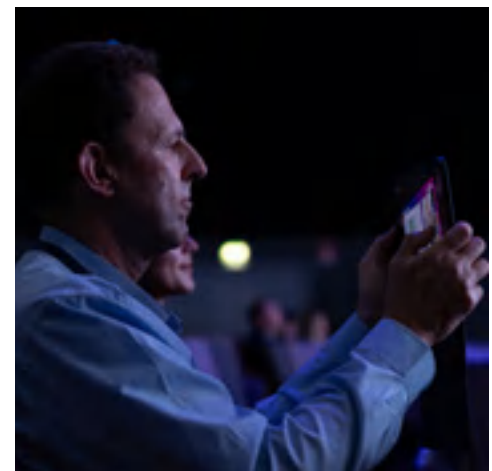
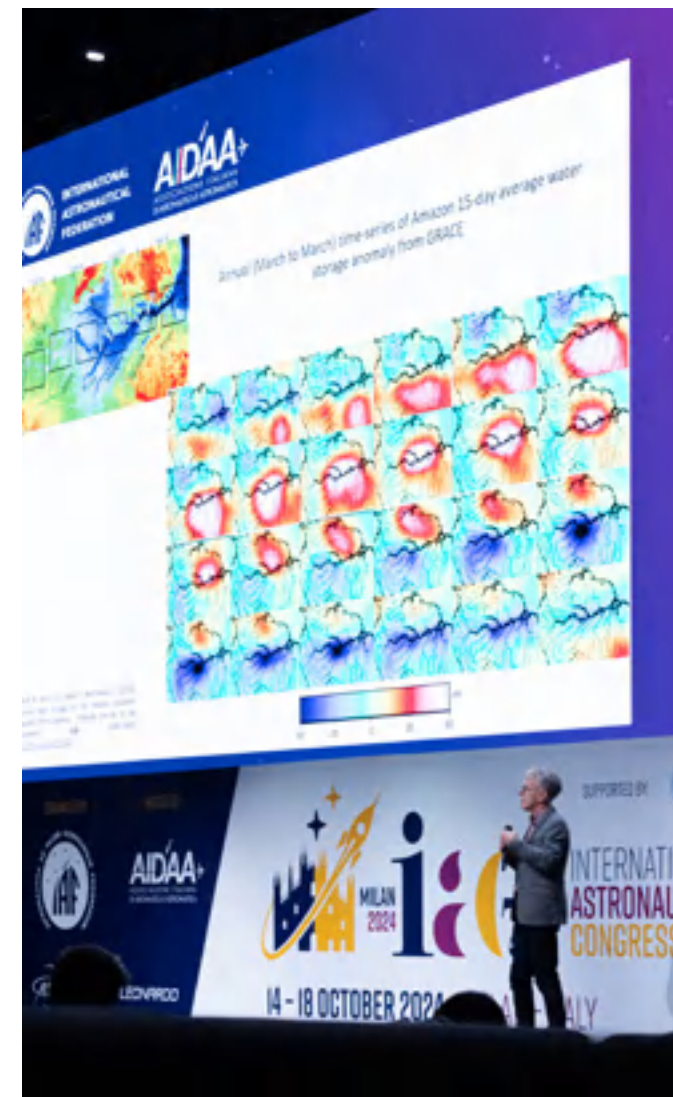


The highlight lecture addressed the escalating freshwater crisis, emphasizing how satellite data is crucial for assessing and mitigating the impacts of extreme flooding and droughts globally.

Emilia Romagna floods, May 2023



6 months rainfall in 2 days
17 deaths
~50,000 people displaced
~400 landslides
>40 settlements flooded
~US\$10bn in damages
F1 Grand Prix cancelled



IAF GLOBAL NETWORKING FORUM



WEDNESDAY



SPECIAL SESSIONS



WEDNESDAY



TECHNICAL SESSIONS



THURSDAY

SCIENCE AND
ACADEMIC DAY

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THURSDAY





The plenary discussed China's progress and future plans for human spaceflight, highlighting the Tiangong Space Station's capabilities and inviting global collaboration in microgravity research and experiments.

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THURSDAY





PRESS CONFERENCE

PROMOTING EARTH'S SUSTAINABILITY:
INSIGHTS FROM SPACE BY
INTERNATIONAL ASTRONAUTS

THURSDAY





The session showcased India's Chandrayaan-3 mission, which achieved a historic soft landing near the Moon's South Pole and revealed significant geological data, with plans for a crewed lunar mission by 2040.

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THURSDAY

SPECIAL SESSIONS

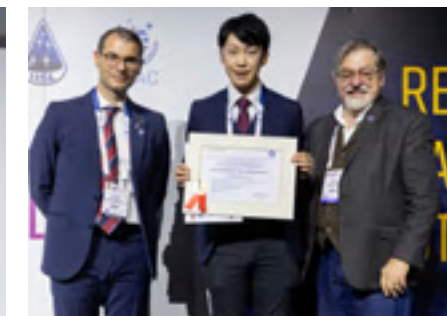


THURSDAY



INTERACTIVE PRESENTATIONS

IP AWARD CEREMONY AND INTERACTIVE PRESENTATIONS SESSION



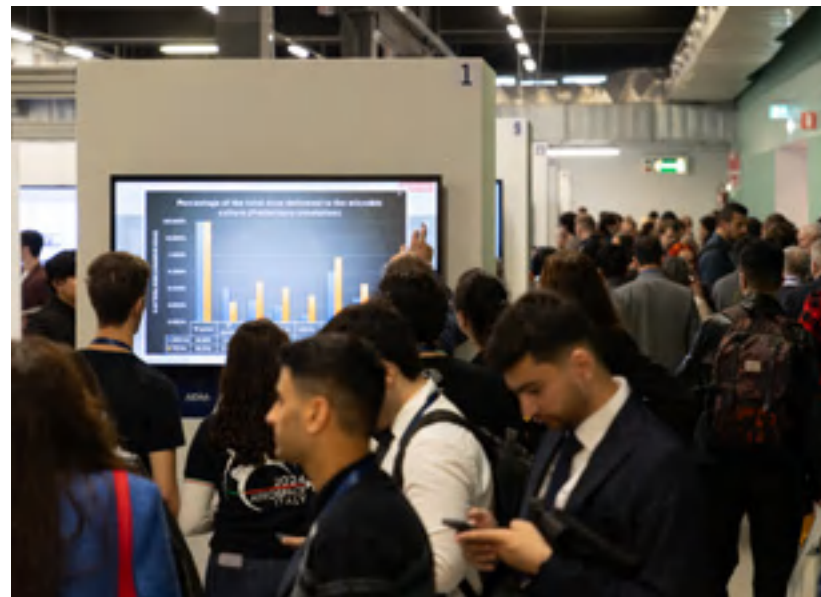
THURSDAY

Connecting @ll Space People

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IAC2024



FRIDAY

PUBLIC DAY



The lecture announced the successful inaugural flight of Ariane 6 on July 9, 2024, marking a significant achievement in European engineering after a decade without new rocket launches.



IAF GLOBAL NETWORKING FORUM

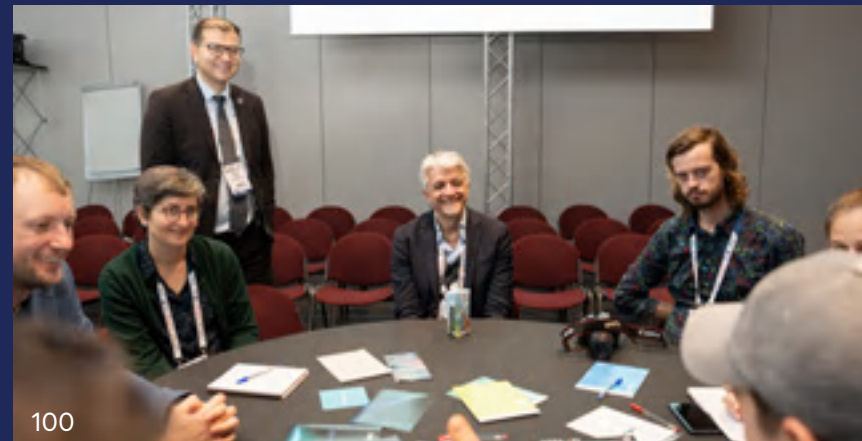


FRIDAY

SPECIAL SESSIONS

SpS

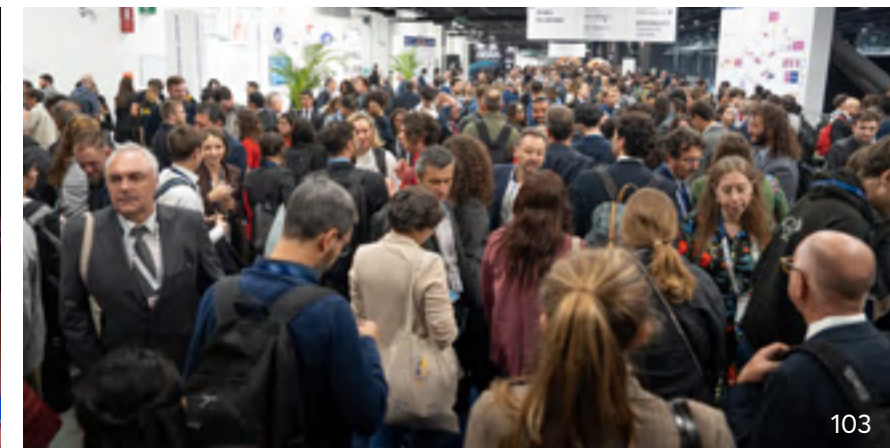
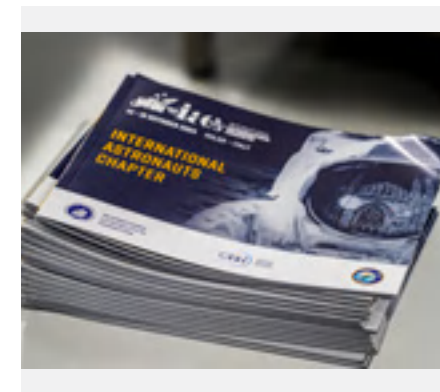
FRIDAY



PUBLIC DAY



FRIDAY



Four new Vice-Presidents have been elected to the IAF Bureau:

- **Amal ALBINALI**, Kingdom of Bahrain National Space Science Agency (NSSA), has been appointed as IAF **VP for Education and Workforce Development**

- **Samaddin ASADOV**, Space Agency of the Republic of Azerbaijan (Azercosmos), has been appointed as IAF **VP for Science and Academic Relations**
- **Enrico PALERMO**, Australian Space Agency, has been appointed as IAF **VP for Space Agency Relations**
- **David SPENCER**, American Astronautical Society (AAS), has been appointed as IAF **VP for IAF Global Networking Forum**







GALA DINNER

FRIDAY







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