



IAC 2019 HIGHLIGHTS

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Space: The Power of the Past, the Promise of the Future

WELCOME MESSAGE

The 70th International Astronautical Congress was held in Washington, D.C., United States, 21 - 25 October 2019, and hosted by the American Institute of Aeronautics (AIAA). Besides marking the 70th anniversary of the IAC this was also the exciting occasion to celebrate the 50th Apollo 11 anniversary!

More than 6.600 delegates from 80 different countries attended the congress to take part in the world's premier space event, which will be remembered for many incredible moments! The Vice President of the United States, Mike Pence, welcomed the IAC 2019 delegates to Washington, D.C. and announced USA plans to land the first woman and the next man to the lunar surface by 2024. In recognition and celebration of the impressive legacy of the Apollo mission, the IAF World Space Award was handed out to the Apollo 11 Crew members. Buzz Aldrin, the grandson of Michael Collins, and the son of Commander Neil Armstrong, attended the ceremony in person to receive the prestigious award. On Industry Day, Blue Origin founder, Jeff Bezos was awarded the first IAF Excellence in Industry Award for Blue Origin's amazing accomplishment with the New Shepard launcher.

The programme was filled with a variety of events and meetings during the whole week. The Plenary Programme included many interesting panels and Highlight lectures, the Technical Programme received a record number of abstracts with more than 4.330 submissions and authors from all over the world came to present their research. The IAF Global Networking Forum (IAF GNF) offered a record of 52 IAF GNF Sessions in several streams. The Exhibition this year with more than 270 exhibitors was also very impressive and one of the largest ever seen at an IAC!

I hope you will enjoy this booklet capturing the main highlights and memories of IAC 2019 in Washington, D.C.! I know you are already looking forward to the next IAC, which will be held in Dubai, United Arab Emirates, 12 – 16 October 2020. This will be the very first time that the International Astronautical Congress opens its doors to an Arabic country, and I already anticipate that this will be yet another fantastic IAC!

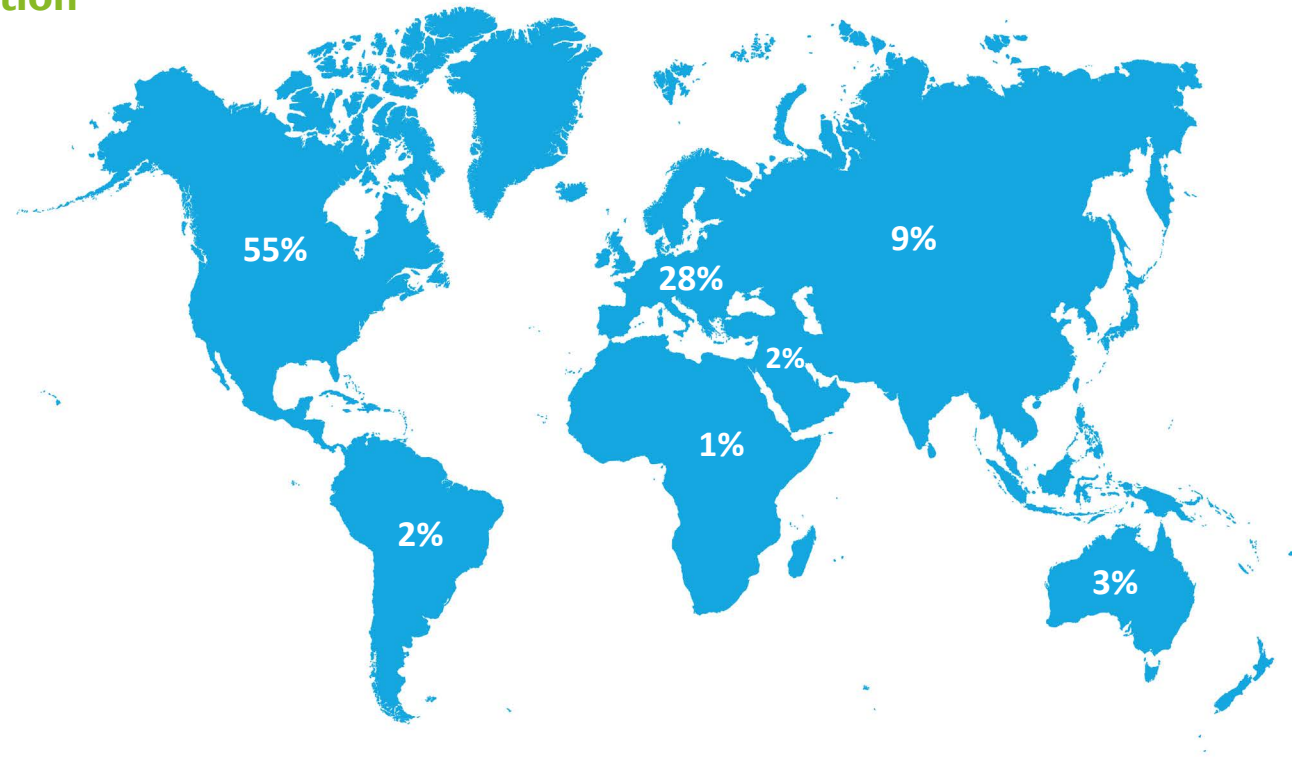


Pascale Ehrenfreund
President
International Astronautical Federation

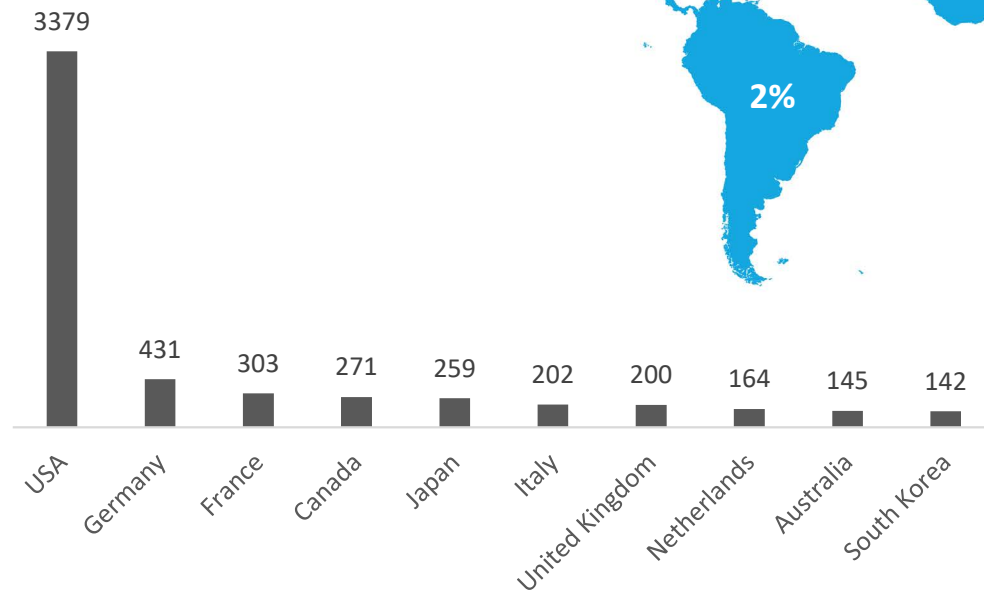


IAC 2019 IN NUMBERS

Global Distribution of Delegates

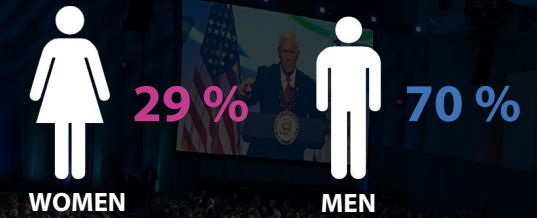


Top 10 Countries

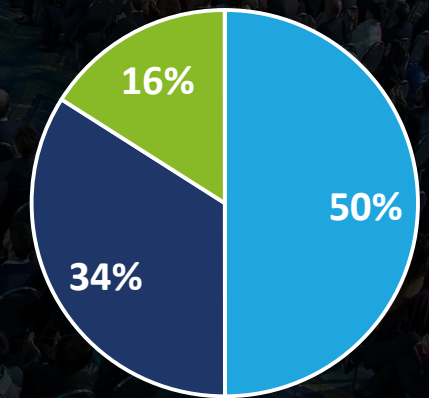


+ 6.600 Delegates

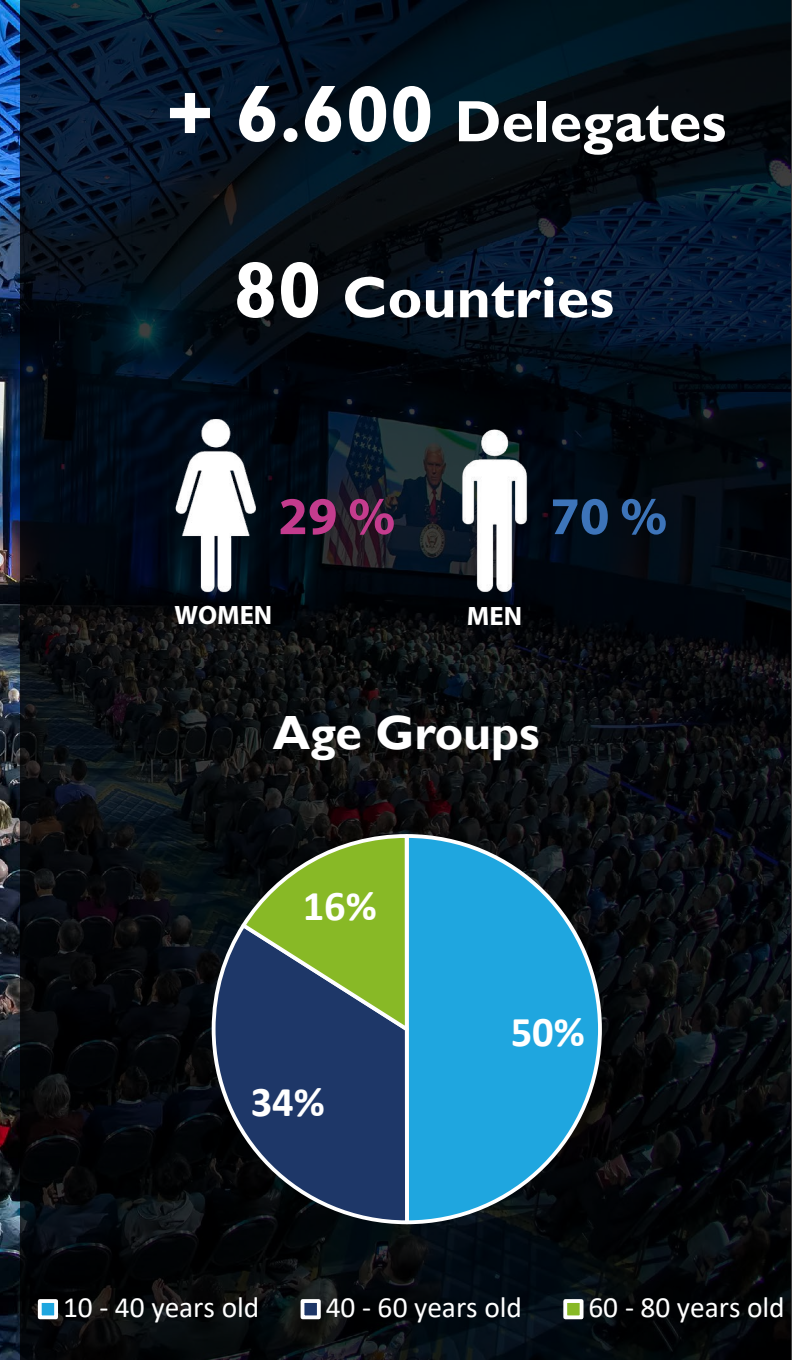
80 Countries



Age Groups



10 - 40 years old 40 - 60 years old 60 - 80 years old





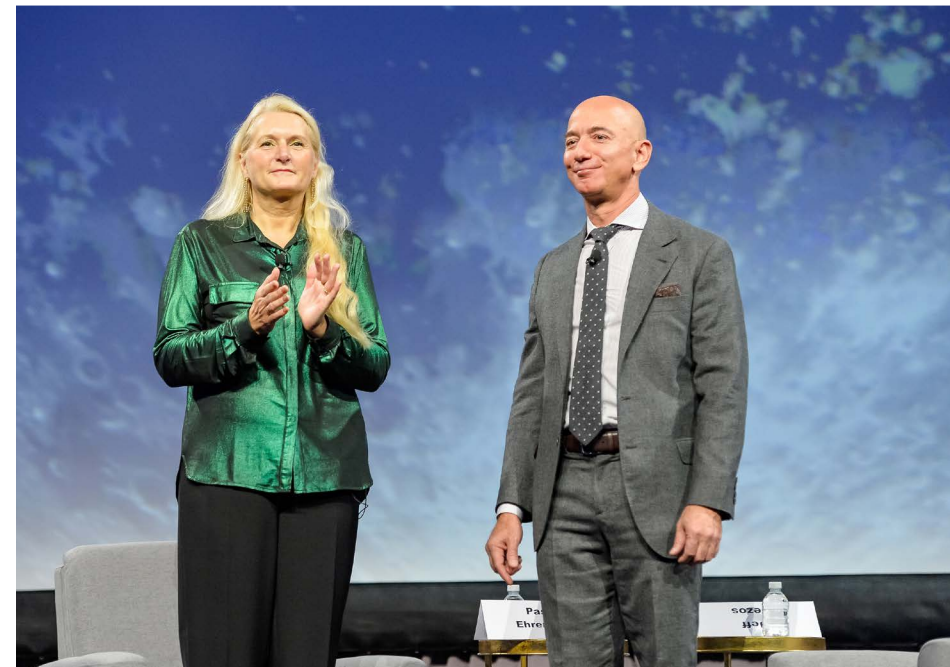
PUBLIC PROGRAMME



OPENING CEREMONY

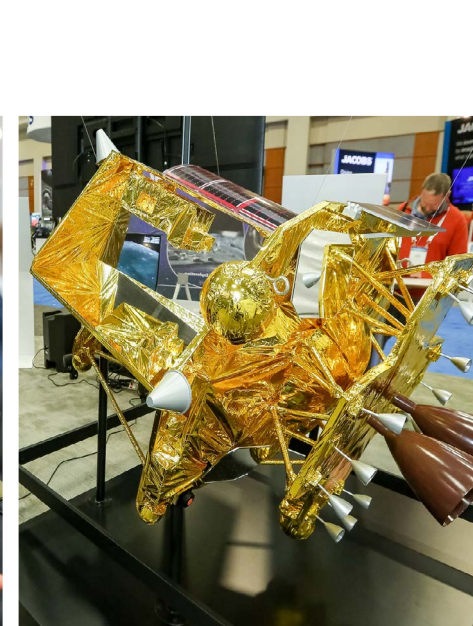
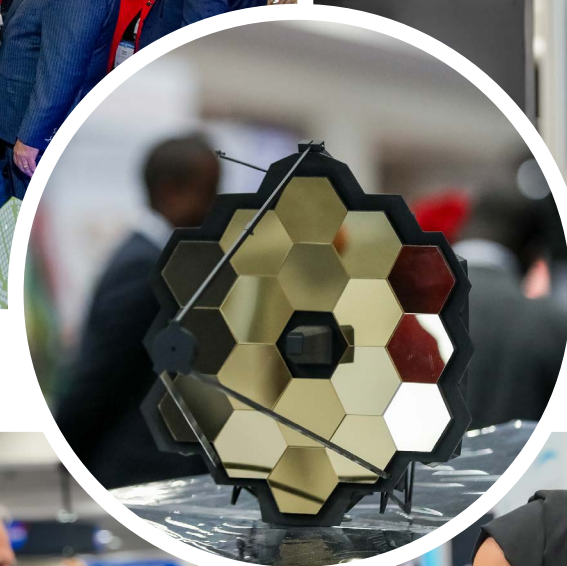
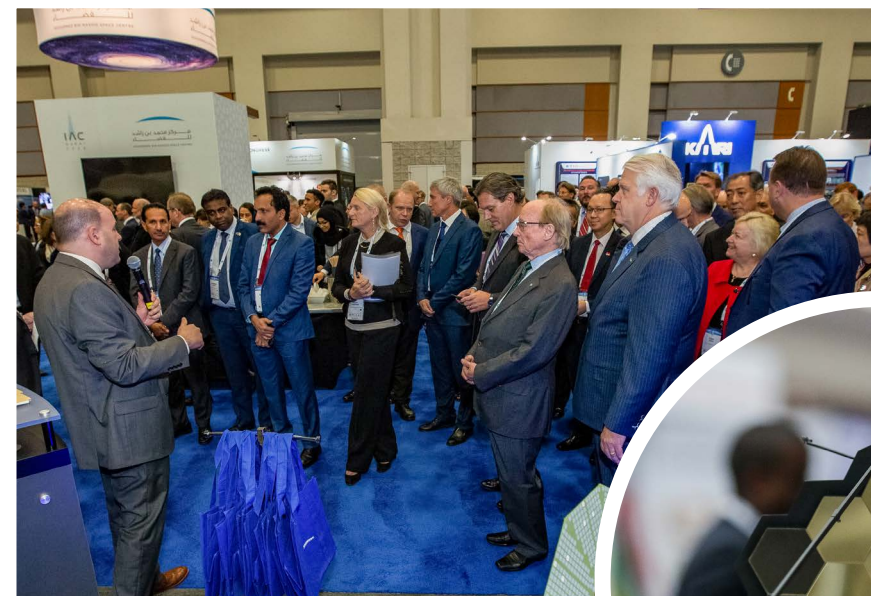


CLOSING CEREMONY





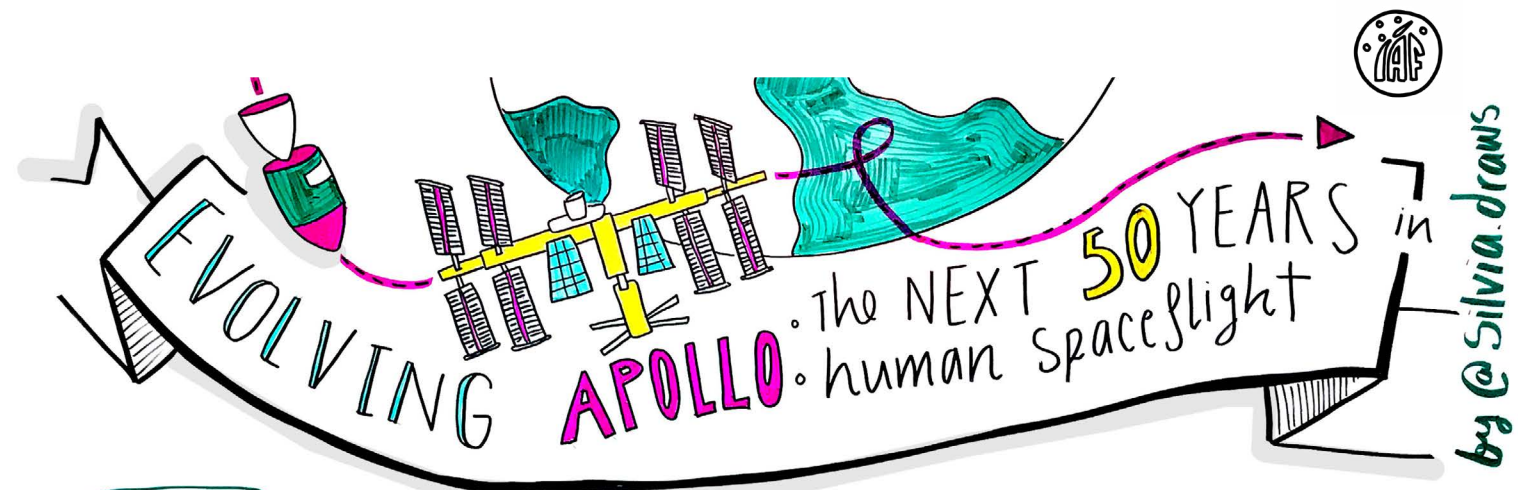
EXHIBITION



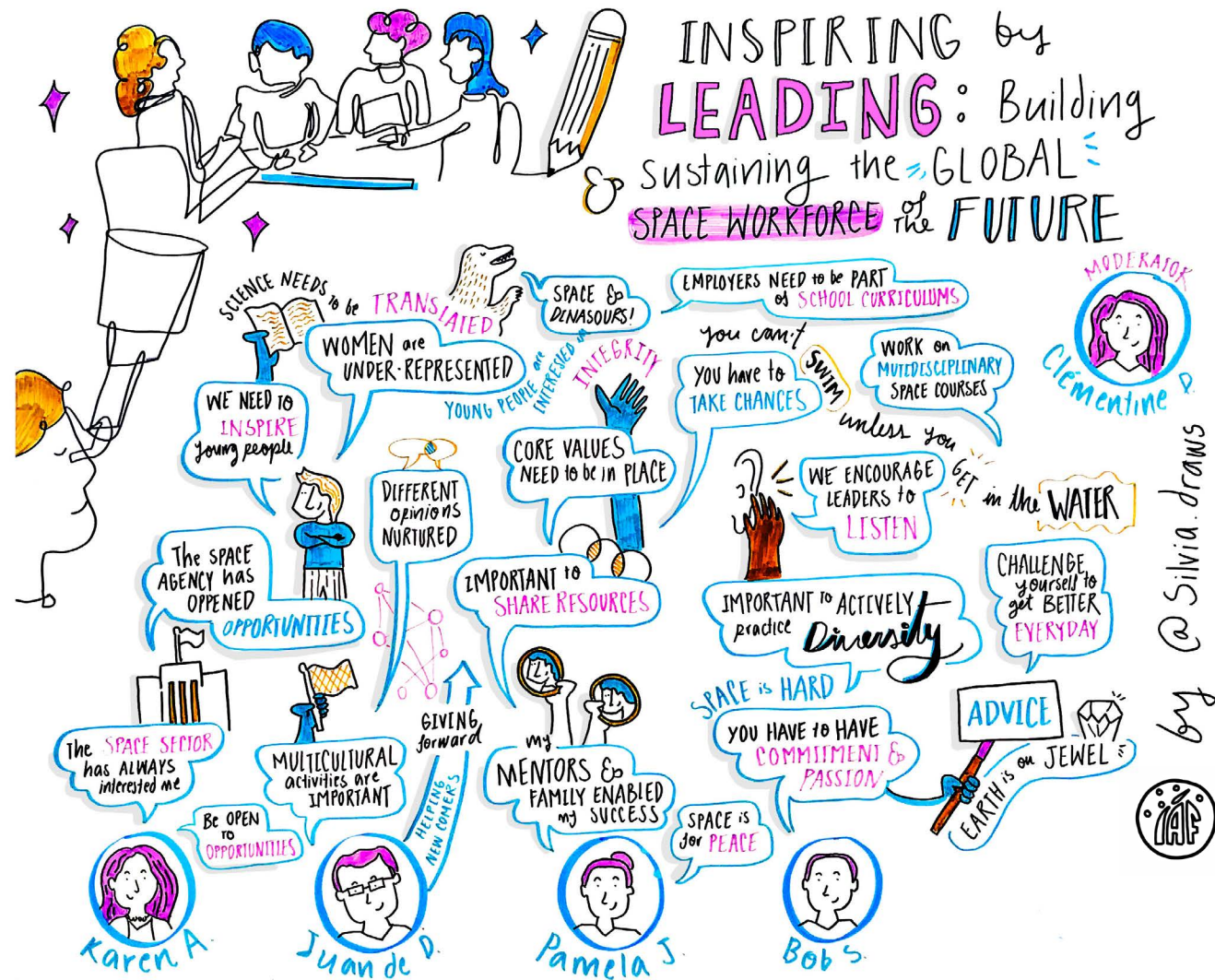


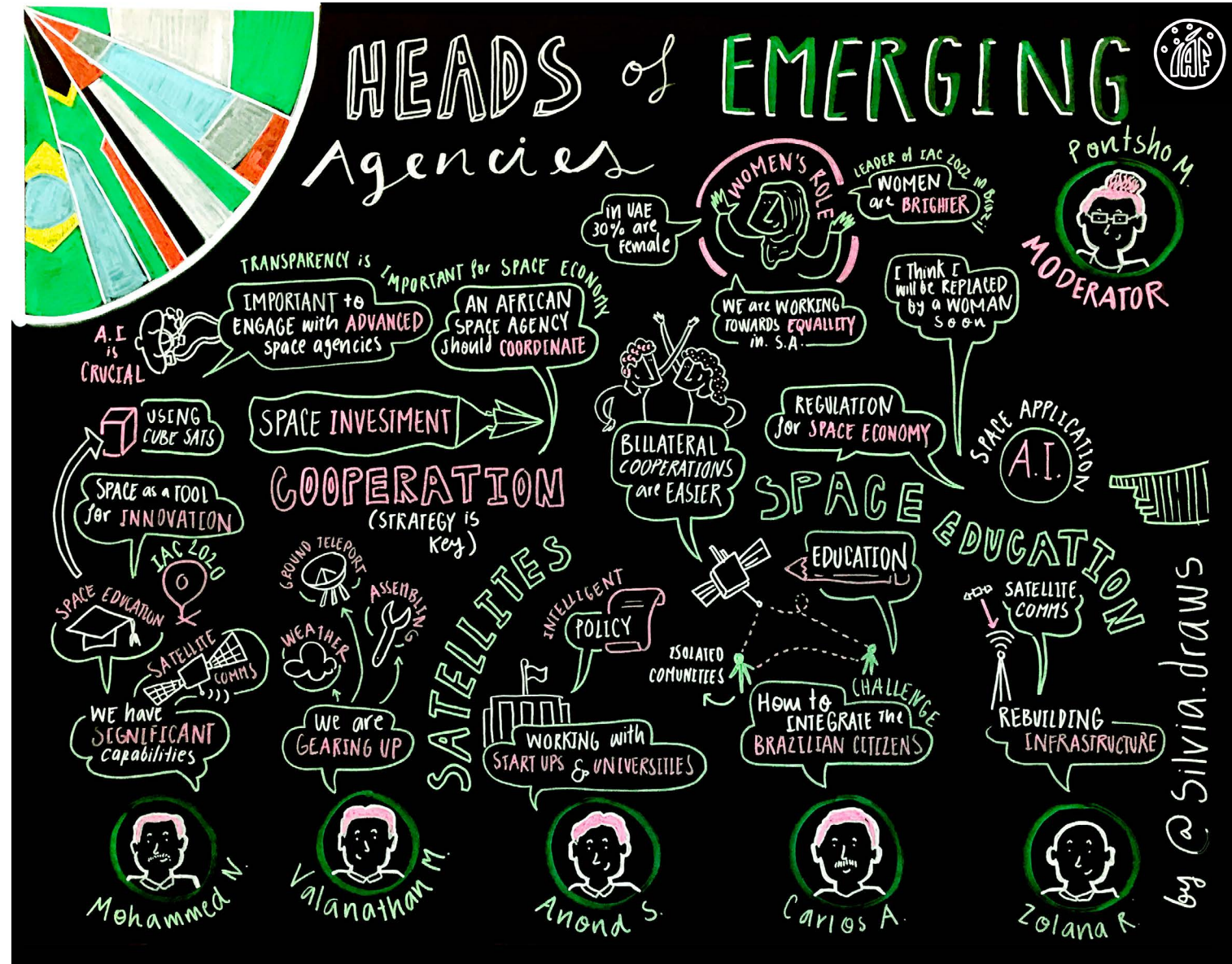
PLENARY PROGRAMME





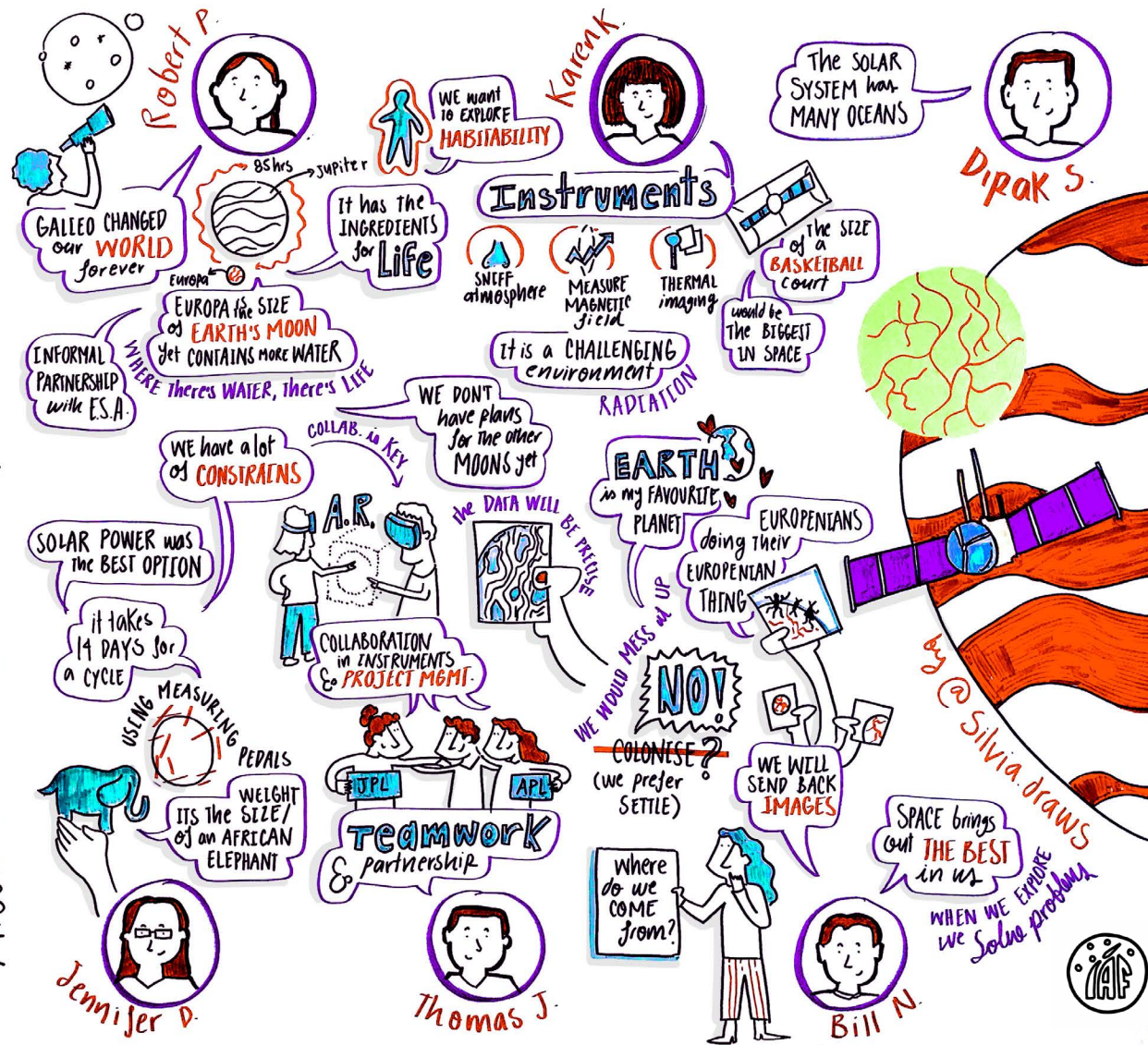






EUROPA CLIPPER: Making a

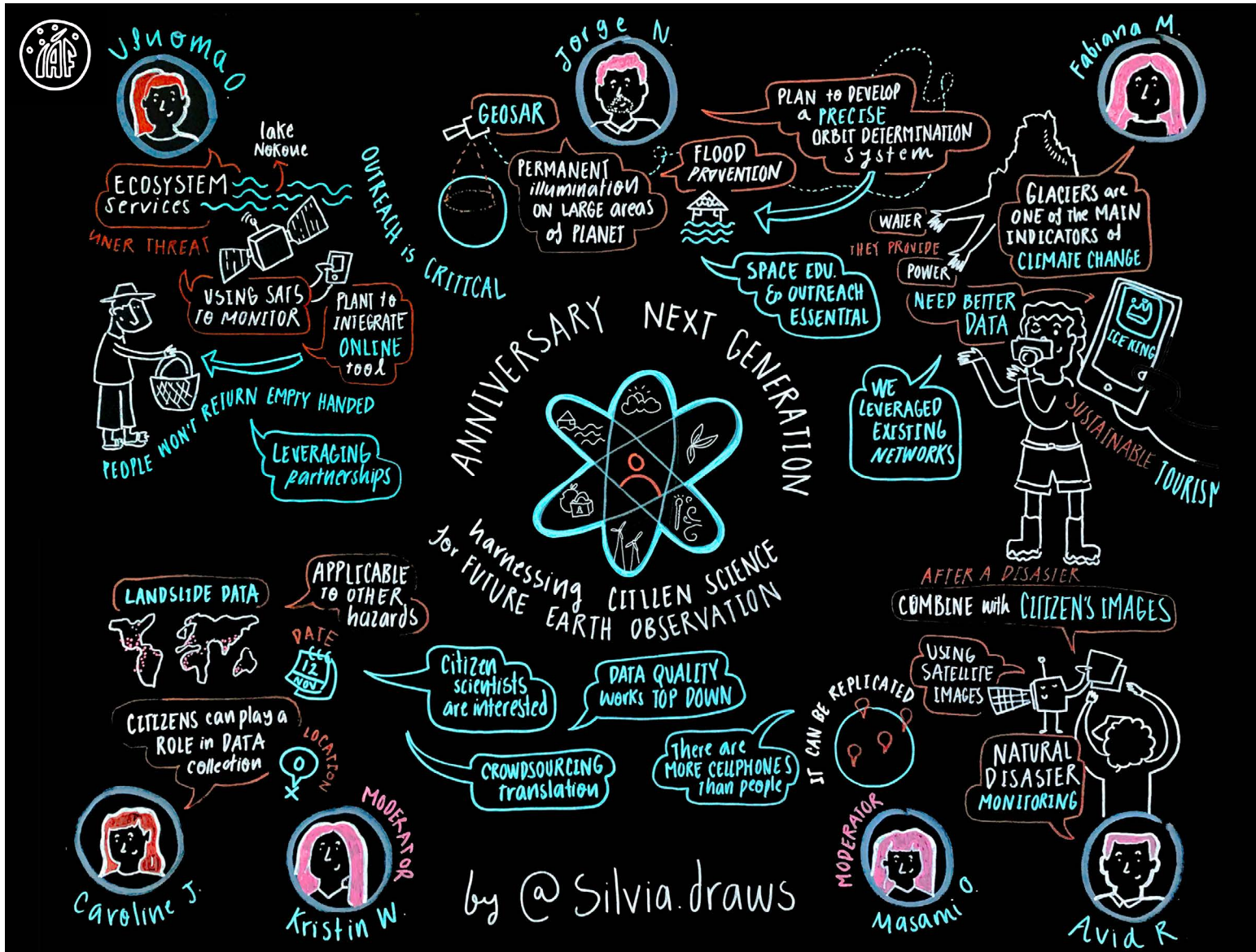
Mission to understand our place in the universe



PLENARY 6



PE



PLENARY 7



PE



HLL

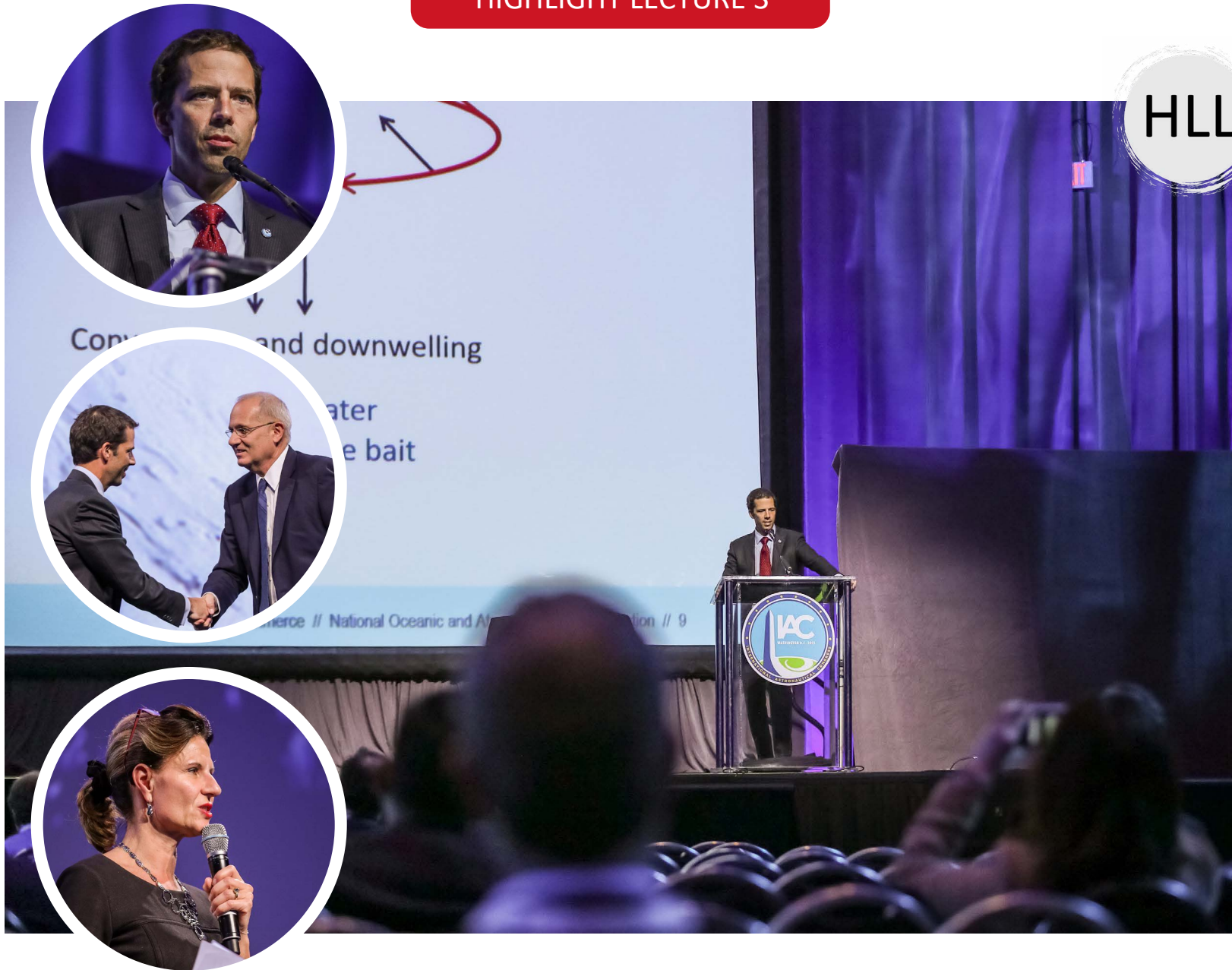


@silvia.draws

HLL

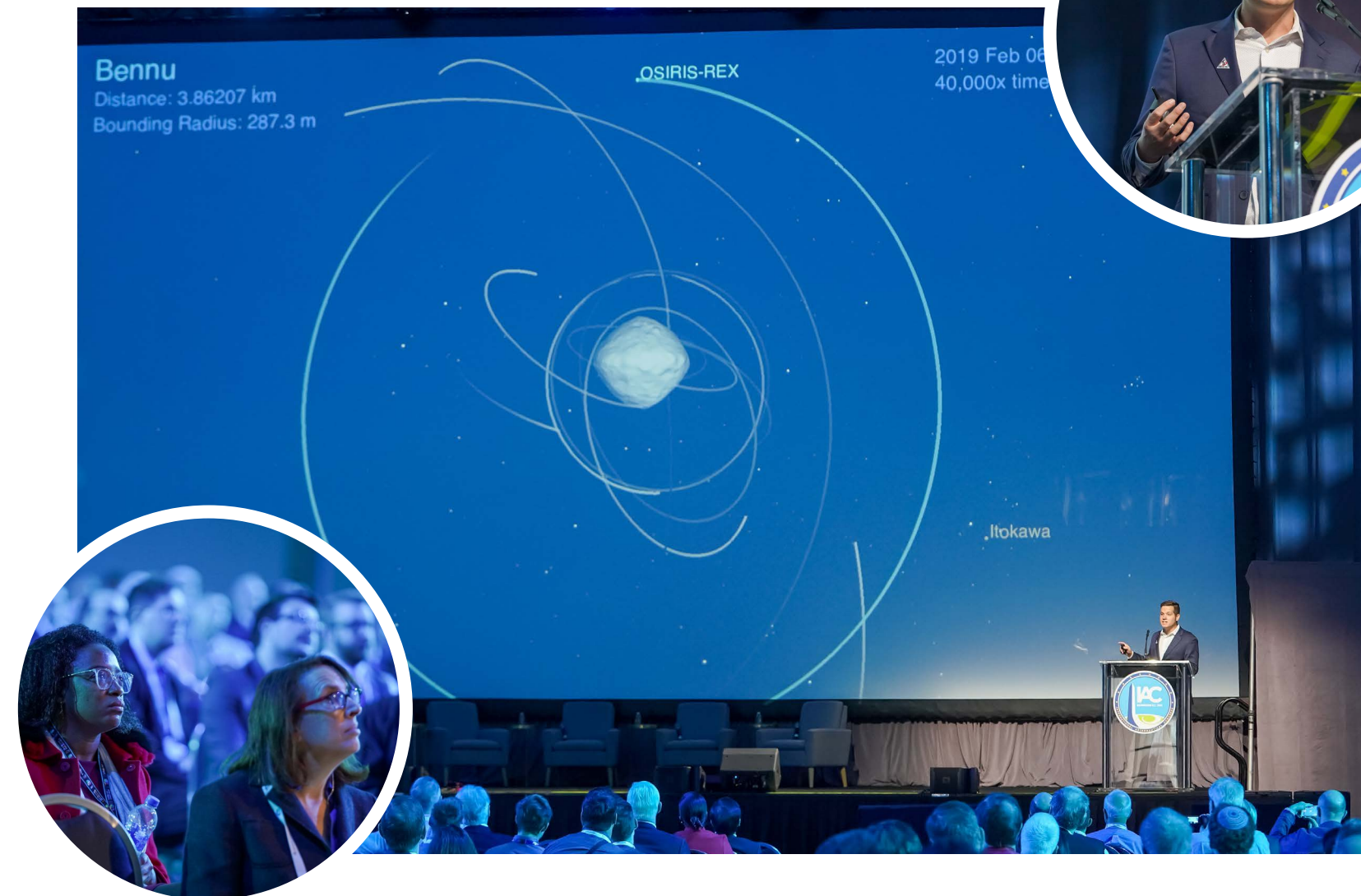
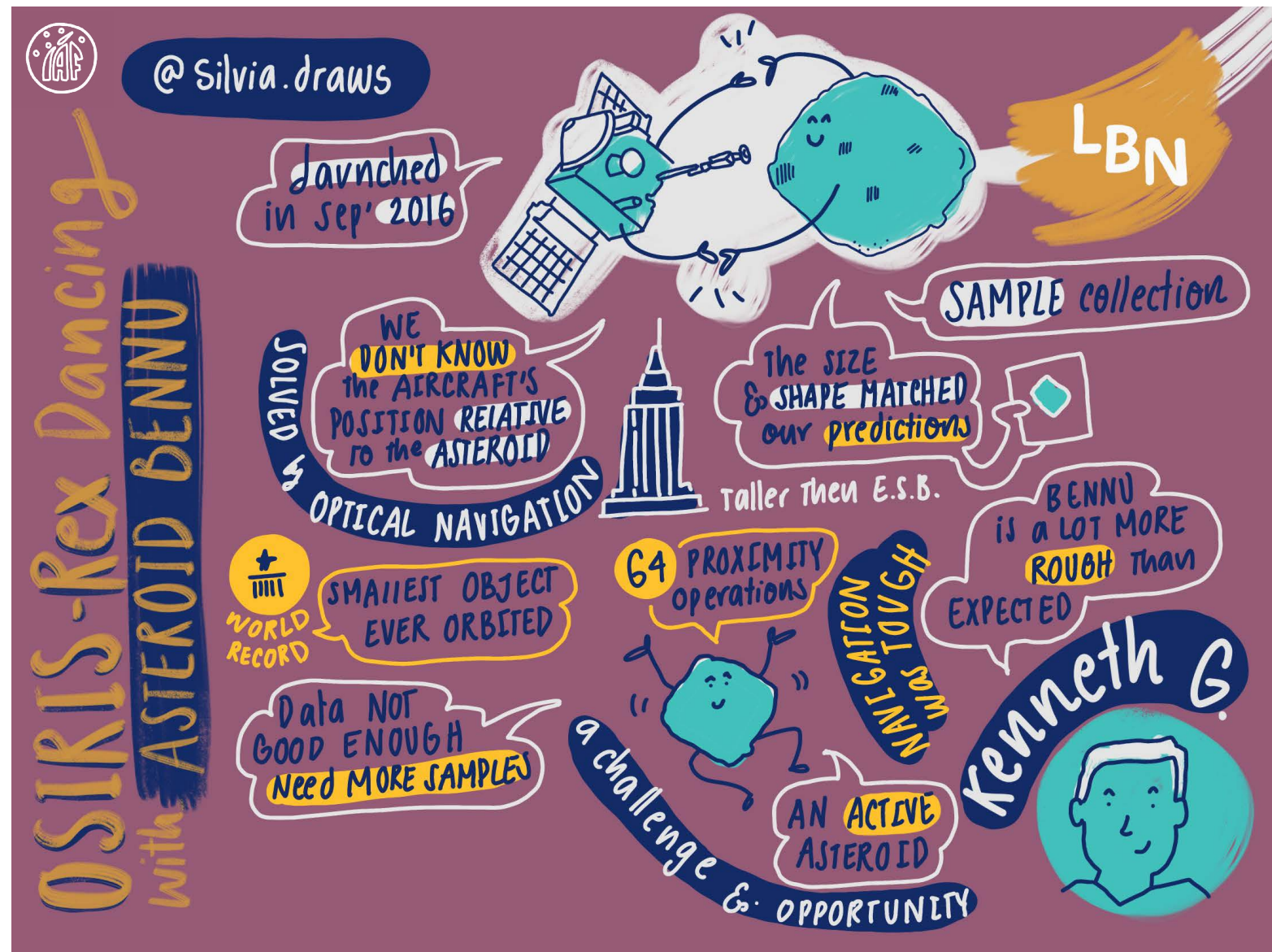


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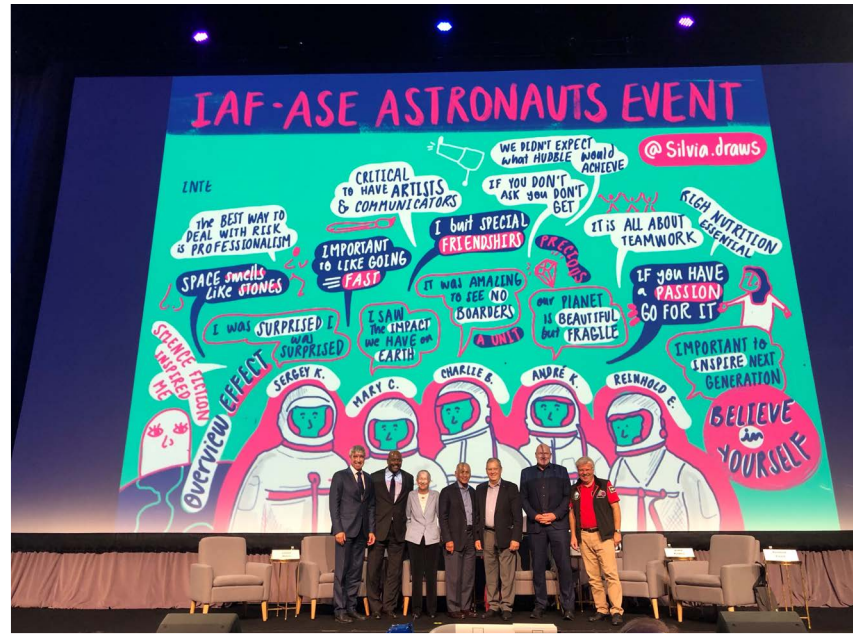
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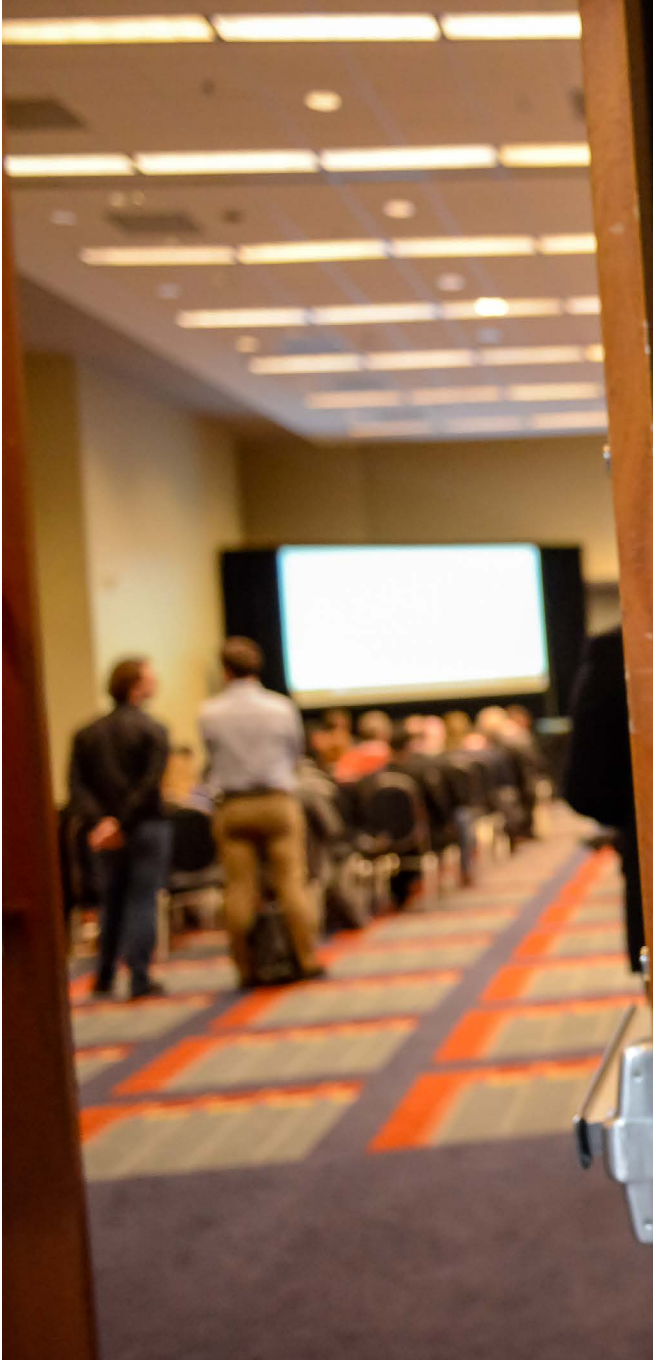
















SPACE: THE POWER OF THE PAST, THE PROMISE OF THE FUTURE

THURSDAY, 24 OCTOBER 2019
09:45 - 12:45
Room: 152B




C2.6. Space Environmental Effects and Spacecraft Protection

Dr. Chao Li, Space Science Data Science Application Research Center, PRC; Dr. Anshu Choudhary, Technische Universität Braunschweig, Germany; Dr. J. J. Rodriguez, ESA; Dr. J. J. Rodriguez, ESA

Topic	Time	Speaker
AC/SC2.6.1: Space Environmental Effects and Spacecraft Protection	09:45 - 10:00	Dr. Chao Li
AC/SC2.6.2: Space Environmental Effects and Spacecraft Protection	10:00 - 10:15	Dr. Anshu Choudhary
AC/SC2.6.3: Space Environmental Effects and Spacecraft Protection	10:15 - 10:30	Dr. J. J. Rodriguez
AC/SC2.6.4: Space Environmental Effects and Spacecraft Protection	10:30 - 10:45	Dr. J. J. Rodriguez
AC/SC2.6.5: Space Environmental Effects and Spacecraft Protection	10:45 - 11:00	Dr. J. J. Rodriguez
AC/SC2.6.6: Space Environmental Effects and Spacecraft Protection	11:00 - 11:15	Dr. J. J. Rodriguez
AC/SC2.6.7: Space Environmental Effects and Spacecraft Protection	11:15 - 11:30	Dr. J. J. Rodriguez
AC/SC2.6.8: Space Environmental Effects and Spacecraft Protection	11:30 - 11:45	Dr. J. J. Rodriguez
AC/SC2.6.9: Space Environmental Effects and Spacecraft Protection	11:45 - 12:00	Dr. J. J. Rodriguez
AC/SC2.6.10: Space Environmental Effects and Spacecraft Protection	12:00 - 12:15	Dr. J. J. Rodriguez
AC/SC2.6.11: Space Environmental Effects and Spacecraft Protection	12:15 - 12:30	Dr. J. J. Rodriguez
AC/SC2.6.12: Space Environmental Effects and Spacecraft Protection	12:30 - 12:45	Dr. J. J. Rodriguez

TP TS

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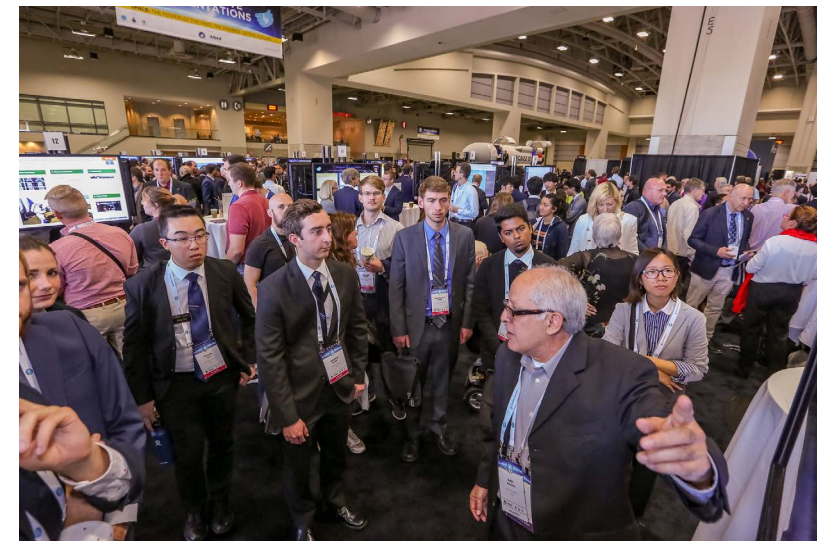
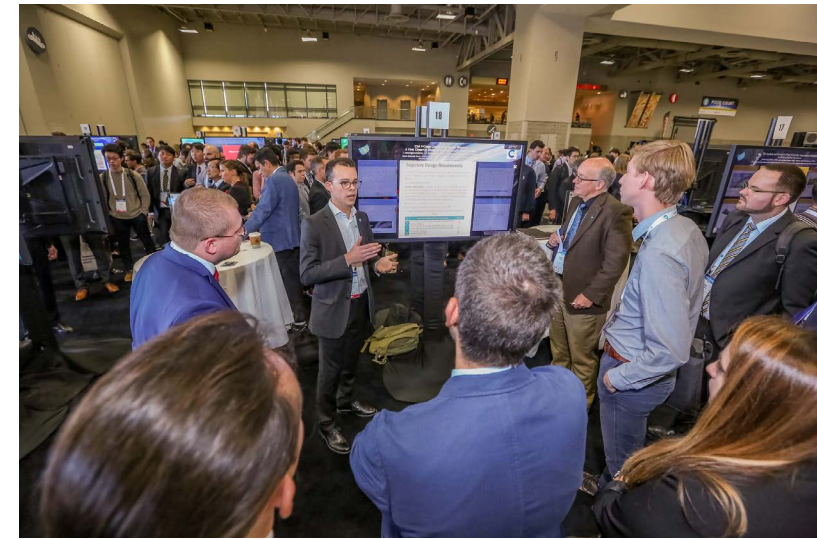


TECHNICAL PROGRAMME

TECHNICAL SESSIONS



TS



SPECIAL SESSIONS





ASSOCIATED EVENTS



INTERNATIONAL PLATFORM FOR DIVERSITY AND EQUALITY IN ASTRONAUTICS

3G GEOGRAPHY • GENERATION • GENDER





IAC HOSTS SUMMIT

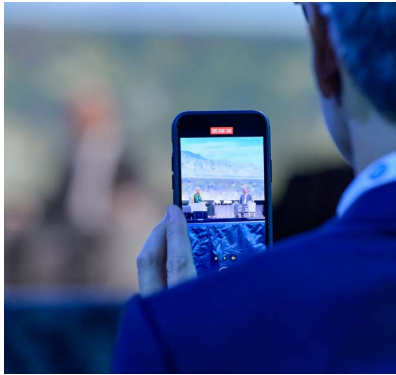
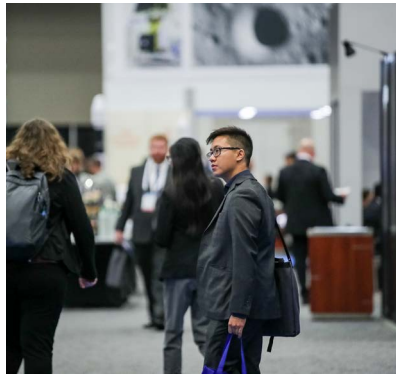
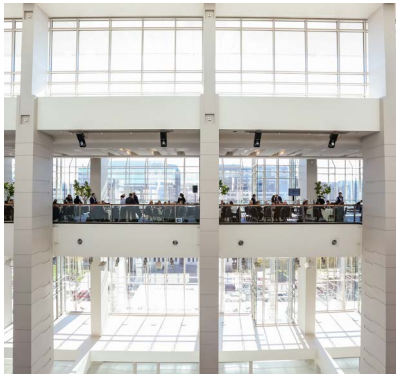


IAF PUBLIC SPEAKING AND PRESENTATION SKILLS LAB



PRESS CONFERENCES







The International Astronautical Federation (IAF) would like to thank its whole community. Your support and commitment have made the 70th celebration of the International Astronautical Congress truly successful and memorable. We hope you will join us again in the next chapter of the world's premier global space event!

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