



SPACE GENERATION
ADVISORY COUNCIL

Space Generation Fusion Forum 2013

IN SUPPORT OF THE UNITED NATIONS PROGRAMME ON SPACE APPLICATIONS



Space Generation Advisory Council

SGAC is a non-profit organisation that represents 18-35 year olds in international space policy at the United Nations, at agencies, in industry, and in academia

- Founded as a result of the 1999 UNISPACE III conference
- SGAC has had permanent observer status in the UN COPUOS since 2001 and has been a member of the UN Economic and Social Council since 2003
- SGAC has a volunteer network of **more than 4,000** members in over 100 countries



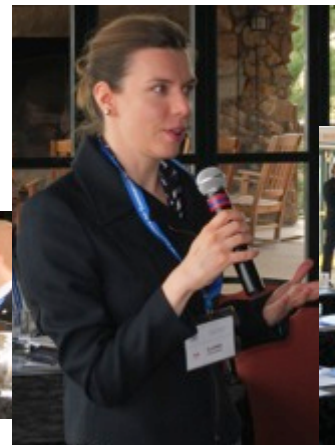
SGAC Purpose

- Creates a global volunteer base of university students and young professionals in the space sector with passion for making a difference in the space sector and commitment to action
- Connects them to each other and to top space professionals and organisations
 - Gives the next generation of space sector leaders a voice in global space policy



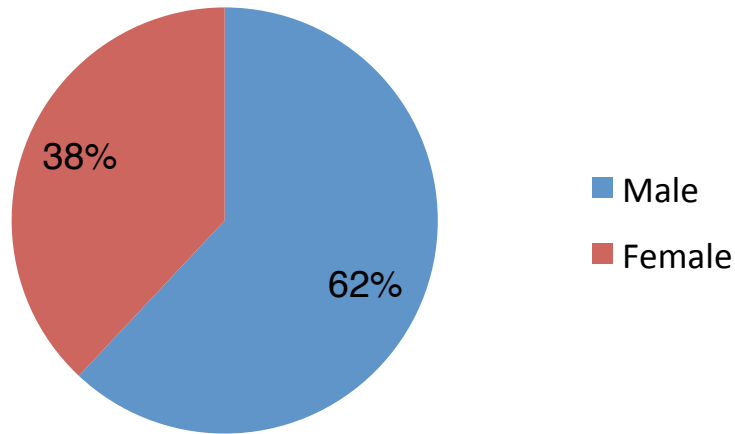
Event Background

- **April 7-8, 2013 in Colorado Springs, USA**
- keynote speakers
- 4 topics addressed by space sector leaders
- 4 interactive panels with delegate panelists & space sector leaders as moderators
- 1 panel during the National Space Symposium with initial conclusions

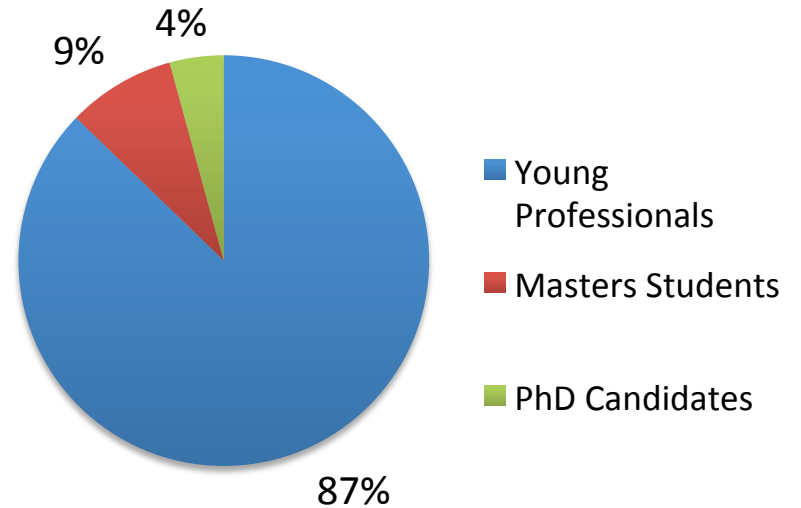


Fusion Forum Statistics

Delegate Gender



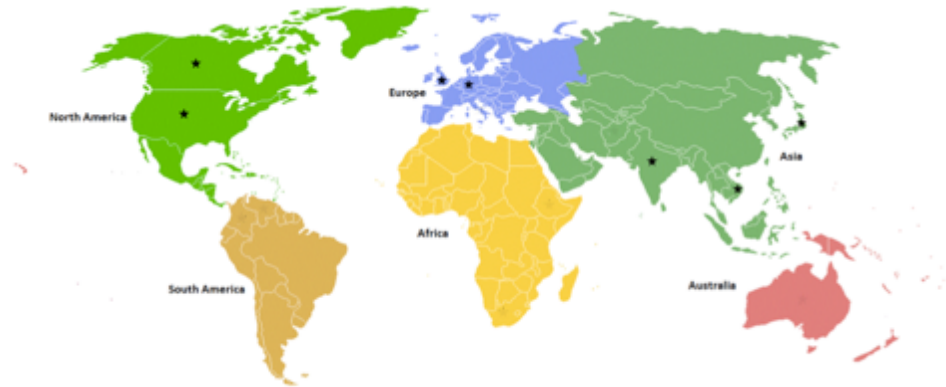
Delegate Professional Status



•Delegates: 47
•Countries: 15
•Average age: 28



Scholarships



- **6 Global Grants & 2 Washington Space Business Roundtable Awards**
- **Awardees represented 7 countries**
- **Over \$10,000 in scholarships awarded**



Panel 1: Long Term Sustainability of Space



Panelists from:

- India
- Germany
- USA

Moderator:

- Victoria Samson (Secure World Foundation)

TOPICS

- Space Debris
 - Legal implications of Space Debris
 - Ownership, obligations and rights
- Collision avoidance and national security
- Radio frequency interference
- Emerging Space Nations – involve them in the sustainability debate early on



Panel 2: Operational Data Exchange and Sharing of Space Assets



Panelists from:

- Greece
- Australia
- Indonesia
- Canada

Moderator:

- Richard Dalbello (Intelsat)

TOPICS

- Sharing of data to avoid collisions
- Frameworks for broad international civil and commercial collaboration
- Open Source Approaches
- Data assurance, integrity and security
- Etc.



Panel 3: Innovative Space Exploration Strategies

Panelists from:

- USA
- Germany
- Canada
- UK

Moderator:

- AC Charania (Virgin Galactic)



TOPICS

- Space Sector's emerging credibility gap
- Public support to exploration
- Institutional, policy-related and cultural factors that hinder innovative space exploration
- Relations between industry and government
- Human Life Science and health – main barrier for human exploration
- ISS as a unique platform to prepare for future exploration



Panel 4: Regional Space Programmes: Benefits and Risks



Panelists from:

- USA
- Canada
- Japan
- Germany

Moderator:

- Norimitsu Kamimori (JAXA)

TOPICS

- Benefits of regional space programmes
 - Sharing costs, increase influences, technology transfer, etc
- Risks of regional space programmes
 - Risk for outflow of technology, loss of autonomous development, etc
- European Regional Programme - Success
- Asia Pacific Regional Programme – APRSAF and APSCO



Space Generation Fusion Forum REPORT

It will be freely available at:

www.spacegeneration.org



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Thank You

