



SPACE GENERATION
ADVISORY COUNCIL

Space Generation Fusion Forum 2012

IN SUPPORT OF THE UNITED NATIONS PROGRAMME ON SPACE APPLICATIONS

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Basic Facts about SGAC

- Is a non-profit organisation and professional network for university students and young professionals in the international space sector
- Has had permanent observer status in COPUOS since 2001
- Is a member of the UN Economic and Social Council since 2003
- Is headquartered in Vienna, Austria and is hosted by the European Space Policy Institute
- SGAC has a volunteer network of ~4,000 members in >90 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



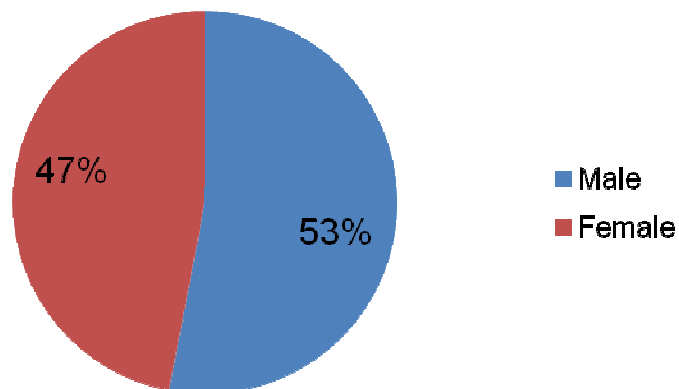
Event Background

- **April 15-16, 2012 in Colorado Springs, USA**
- **Key partners**
 - Space Foundation
 - American Institute of Aeronautics & Astronautics
 - FAA's Center of Excellence for Commercial Space Transportation
 - NASA
- **Objective**
 - To organise a two-day SGAC event in conjunction with the Space Foundation's National Space Symposium highlighting international thinking
- **Goals**
 - Provide a solid intellectual exchange / networking programme mix
 - Produce at least one report to be presented at the AIAA Space 2012
 - Host <50 high-quality participants
 - Introduce firsthand international perspectives via a Global Grants Programme

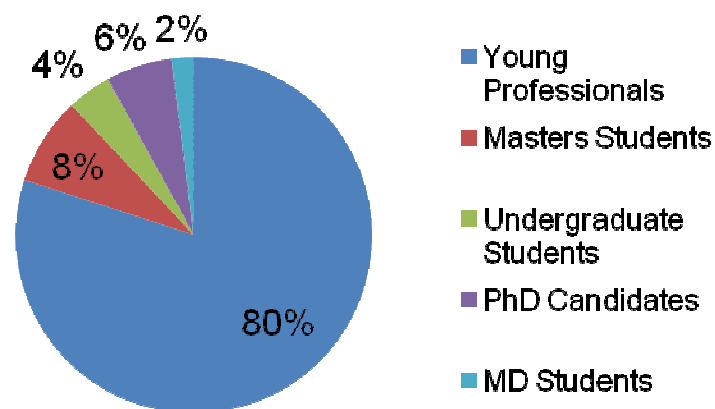


Fusion Forum Statistics

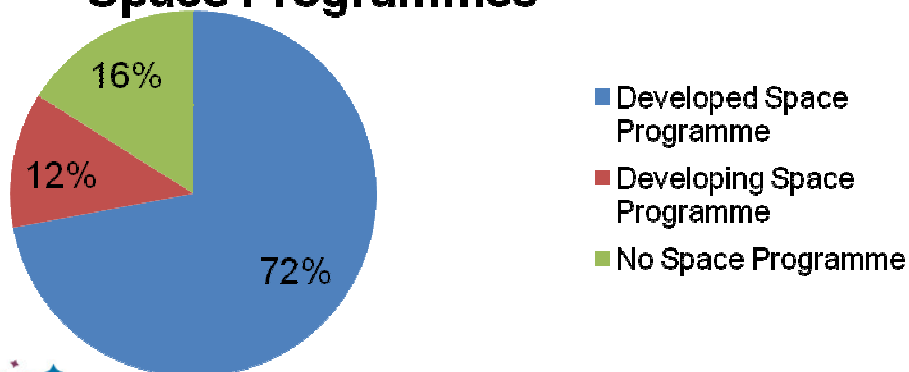
Delegate Gender



Delegate Professional Status



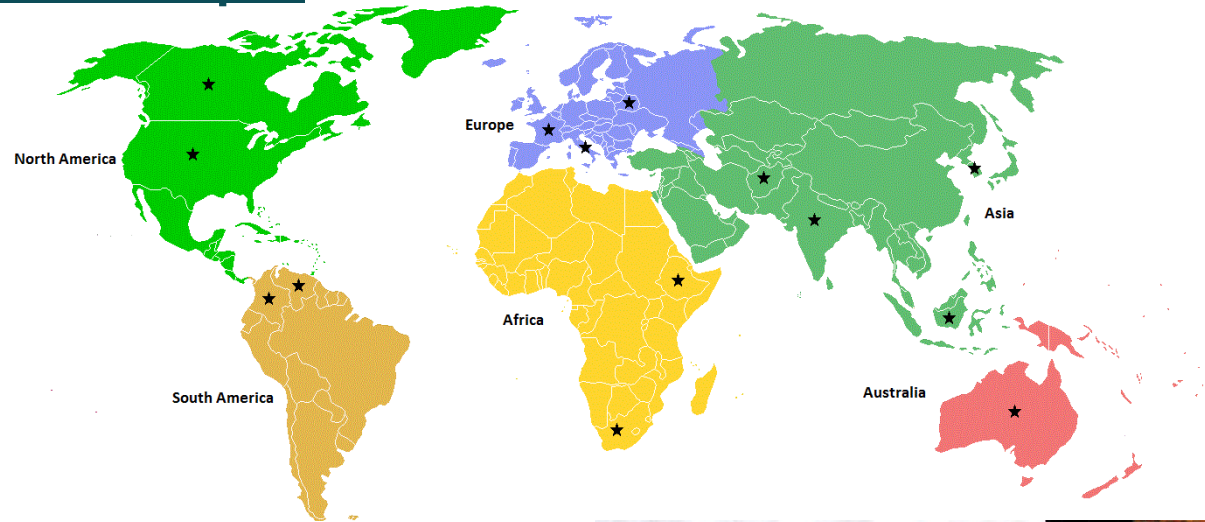
% of Delegates Representing Differing Space Programmes



•Delegates: 49
•Countries: 16
•Average age: 28



Scholarships



- 12 Global Grants & 2 Washington Space Business Roundtable Awards
- Awardees represented 14 countries
- Over \$20,000 in scholarships awarded

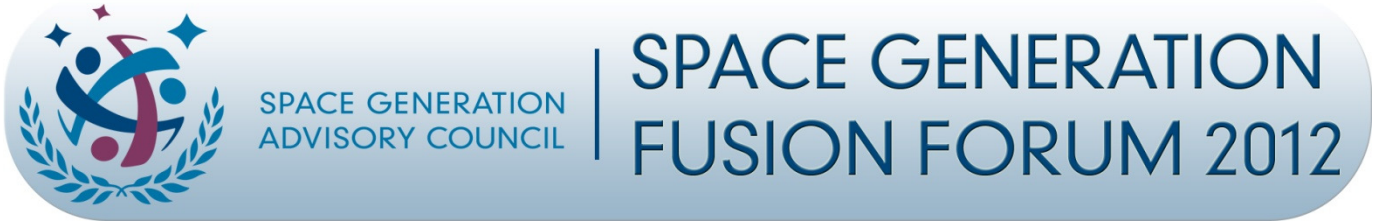


Fusion Forum Structure

- 2 keynote speakers
- 3 topics addressed by space sector leaders
- 3 interactive panels with delegate panelists & space sector leaders as moderators
- 1 panel during the National Space Symposium with initial conclusions



The Event in Brief



Panel 1: International Cooperation: From Space Situational Awareness to Exploration



Moderator: Dr. Chummer Farina,
Vice President of the Canadian
Space Agency



Panelists from:

- Australia
- Belarus
- Canada
- South Africa
- South Korea
- USA



Panel 1: International Cooperation: From Space Situational Awareness to Exploration

- International Code of Conduct
- Specific challenges surrounding civil collaborations
- Impact emerging space countries have on future collaborations
- Issues stemming from being reliant upon a limited list of launching countries



Panel 2: Developing Regions and Space Applications



Moderator: Dr. Enrique Pacheco, Deputy Director for Space Science & Technology Affairs, Mexican Space Agency (AEM)



Panelists from:

- Colombia/Italy
- Ethiopia
- India
- Indonesia
- USA
- Venezuela

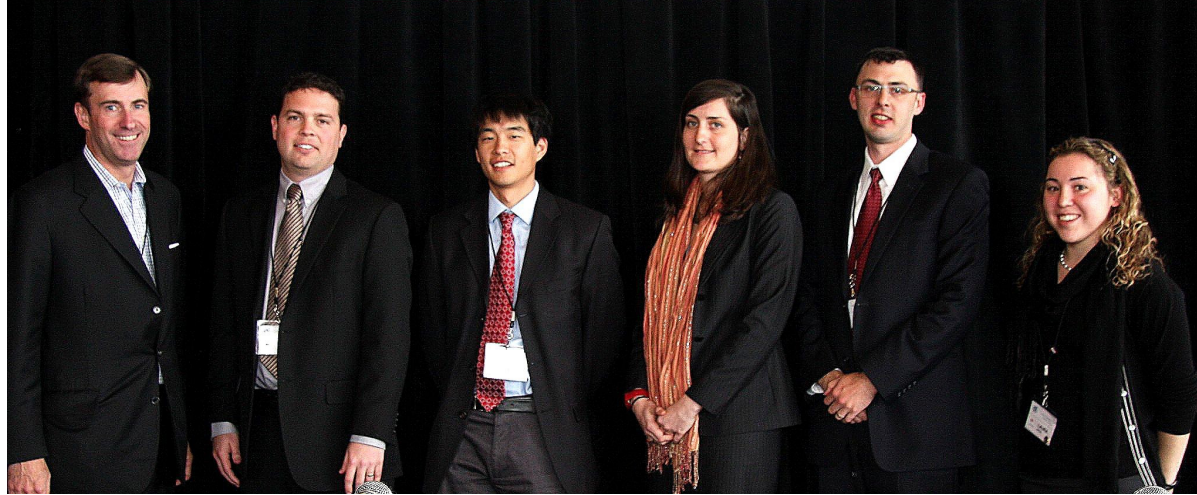


Panel 2: Developing Regions and Space Applications

- Need for space among developing countries
- Uses of space in developing countries
- Differences between the motivations of developed vs. developing countries in having a space programme
- How established space countries can most effectively support emerging space countries
- What emerging space countries have to offer developed spacefaring countries



Panel 3: The New Role of Commercial in Spaceflight



Moderator: Mr. Clay Mowry,
President of Arianespace, Inc.



Panelists from:

- Canada
- France
- USA



Panel 3: The New Role of Commercial in Spaceflight

- Definition of commercial spaceflight and the novelty of the current approaches
- Global opportunities and challenges of commercial spaceflight
- Ideal commercial launch sites
- Sovereign markets
- Risk standards for spaceflight participants



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