



SPACE GENERATION ADVISORY COUNCIL

In Support of the United Nations
Programme on Space Applications

The Space Generation Advisory Council and Capacity Building: From UNISPACE+50 Toward the Space 2030 Agenda

United Nations / Germany High Level Forum: The way forward after UNISPACE+50 and on Space2030
Session 5: Capacity-Building for the 21st Century

November 13-16 2018, Bonn, Germany

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SGAC Origins

SGAC is a global *non-governmental, non-profit* organisation and network which aims to represent *university students and young space professionals* ages **18-35** to the United Nations, space agencies, industry, and academia.

Conceived at the Third United Nations Conference on the Exploration and Peaceful Uses of Outer Space (UNISPACE III) in Vienna in 1999:

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*To create, within the framework of the Committee on the Peaceful Uses of Outer Space, a consultative mechanism to **facilitate the continued participation of young people from all over the world**, especially young people from developing countries and young women, in cooperative space-related activities...*

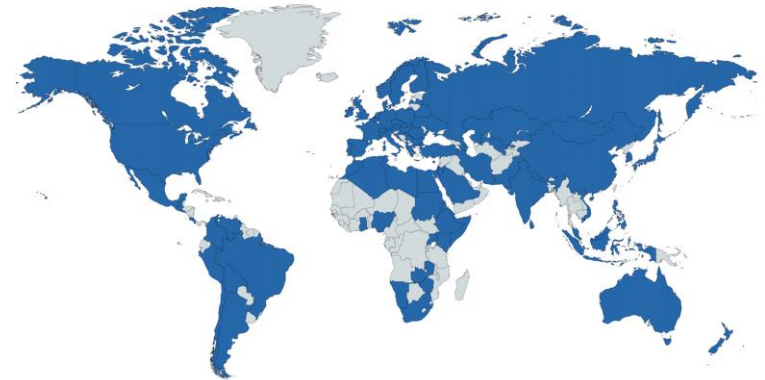
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SGAC Network - Metrics

15,000+ Members
and Alumni
6 Regions
150 Countries



Create a **global network** of university students and young professionals in the space sector and give the next generation of space sector leadership opportunities and a **voice** in the space industry



Demonstrate the importance of **diversity** and how further involving the **next generation** of space professionals and students can strengthen the global space community in line with **capacity building** measures



Connect our members to peers and senior space professionals from space agencies, government, industry and academia



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SGAC: Capacity Building

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All the efforts and activities used to prepare next generations for future needs, in terms of know-how, new technologies and skills.

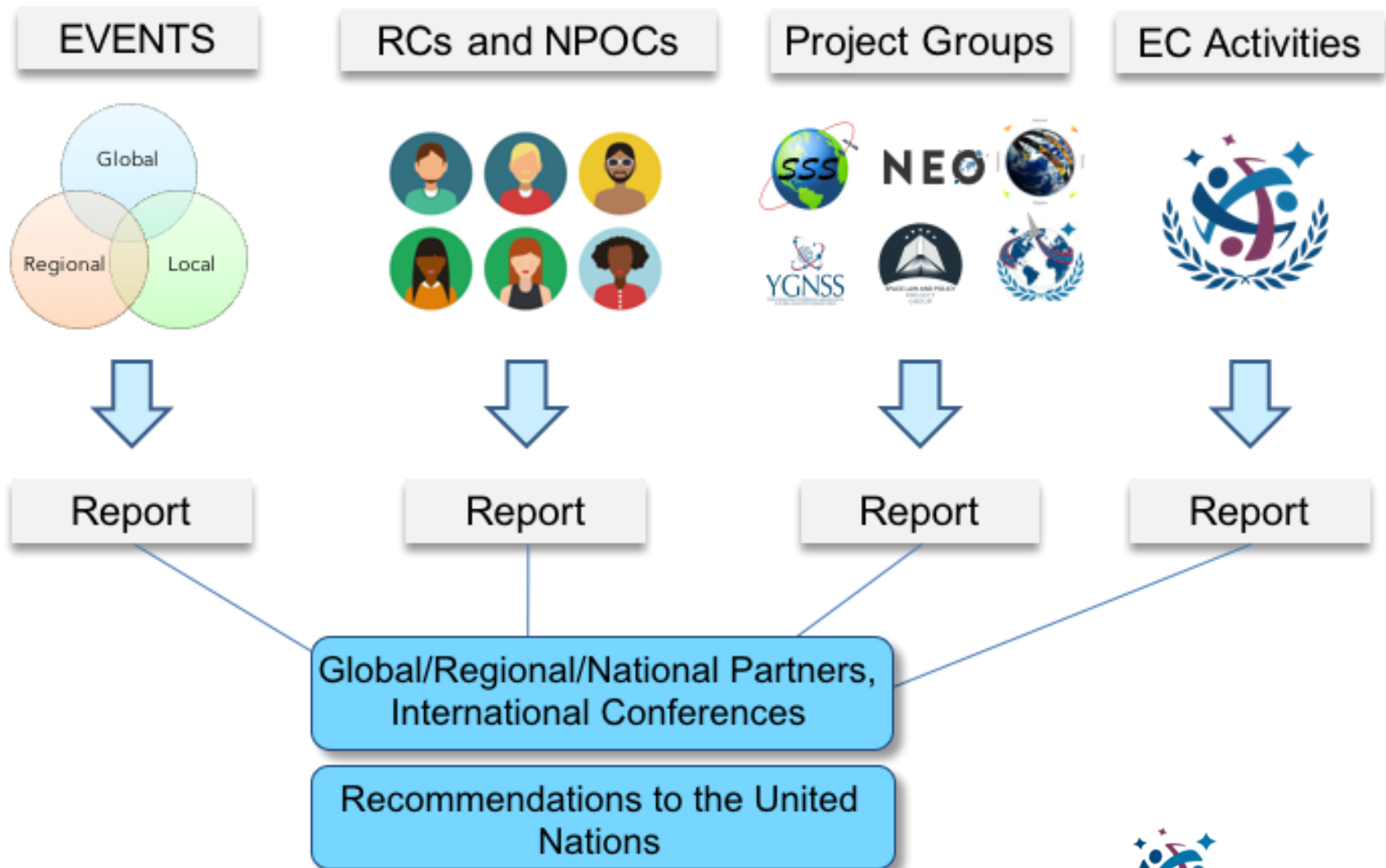
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Capacity building as an ability to engage with people of different ages and backgrounds, inspire and educate them, and provide them with the tools, experiences and opportunities so that they can thrive in the space sector and become the leaders of tomorrow. At an institutional level, create and promote training and research programs, offer scholarships to young people, foster international cooperation, etc.

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SGAC: Capacity Building



Why is it important to involve the next generation in the development and implementation of the Space2030 Agenda?



Recommendations From Space Generation Forum 2.0

The 3 Overarching Recommendations:

1. The Space Generation Advisory Council recommends that **SGAC** be invited to **participate** in the development of the **"Space 2030" agenda** and implementation plan as defined in document A/AC.105/L.313 and represent the voice of the next generation.
2. SGAC encourages Member States to **include young professionals** in their delegations at the Committee and its Subcommittees and highlight the importance of **engaging the next generation to reach the Sustainable Development Goals**.
3. SGAC should be invited to **actively participate** in action teams, working groups, and other forums in leading roles that will deliver on the "Space 2030" Agenda.



Recommendations: <https://bit.ly/2Nwj0HX>

How SGAC Provided Input Toward the UNISPACE+50 Implementation Plan?



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SGAC and the High Level Forums

High Level Forum 2016 (Dubai, UAE):

Key recommendations for consideration:

Space: Source of Socio-Economic Benefits	Space: National Space Agenda	Space: Leading Technology Development
<ul style="list-style-type: none">• Liaise with non-space organisations• Cross-sectoral cooperation and diversification• Return on space investments need to be appropriately communicated	<ul style="list-style-type: none">• Building capacity across space markets and placing space on national political agendas• Increasing knowledge and information sharing between nations at all levels of experience• Encouraging the sharing of best practices	<ul style="list-style-type: none">• Establishment of multidisciplinary bodies to pursue technology transfer and develop spin-off technologies• Organising global forums and workshops on technology transfer and spin-offs

SGAC and the High Level Forums

High Level Forum 2017 (Dubai, UAE):

Key recommendations for consideration:

Public outreach

- Raising awareness amongst governmental and commercial actors, and the general public alike, of the benefits and opportunities that space brings.

Cross-sectoral cooperation

- Encouraging the diversification of the space community

Encouraging capability development and capacity building:

- Implementing a platform for increased knowledge- and information-sharing of space technology and policy between different nations at all levels of experience
- Continuing to generate output through Capacity Building events
- Encouraging the sharing of best practices

Encouraging the engagement of the young generation:

- Multiplying the opportunities for the future generation of space leaders



The Space Generation Advisory Council and UNISPACE+50



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Space Generation Forum 2.0

AIMS:

- Bring together SGAC **generations** to celebrate SGAC's creation at UNISPACE III
- **Discuss** how SGAC's activities should continue to evolve
- Create a **capacity building** event
- Showcase SGAC's **roots and connection** to the United Nations
- Create **outcomes** based on the **4 thematic pillars** of UNISPACE+50
- Present **outcomes** in the form of a **conference room paper** at the sixty-first session of COPUOS



Working Groups:

1. Space for Women
2. Space and the Sustainable Development Goals
3. Space for Society
4. Capacity Building in the Space Sector
5. Building Partnerships & Investment in Space with Industry & the Private Sector
6. Safety and Reliability for Space and Earth
7. Space for Global Health



How did SGAC contribute?

Space for Youth Panel

General Exchange of Views

Technical Presentation on SGWs

Presentation of the recommendations



SGAC and the SDGs



Check out our poster in the Poster Session: “The Space Generation Advisory Council and the Sustainable Development Goals”

How Can SGAC Contribute to the Space2030 Agenda?

Help lead the effort toward the mapping of the Capacity-Building initiative under the umbrella of the Space 2030 Agenda (Graz Symposium 2018)

Take the SGAC Recommendations from UNISPACE+50 and find what can be applied to the Space2030 Agenda

Make SGAC a model for other Youth Groups and initiative for the Youth and the SDGs

Support defining the structure and content of the Space2030 Agenda

Final Thoughts

Why is it important to include the next generation?

- We are the space leaders of tomorrow
- We bring a different perspective
- We have a strong network with the industry, academia, space agencies, and government
- We bring a cross-sectoral perspective

Recommendation:

Encouraging UNOOSA, COPUOS and its member states to have permanent observers and YPs involved in processes at the international level

THANK YOU

Email: info@spacegeneration.org

SGAC: BEYOND A NETWORK



SGAC Photo Gallery



Space Generation Advisory Council



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