

Update of SGAC's YGNSS Project

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**THE SPACE GENERATION
ADVISORY COUNCIL
IN SUPPORT OF THE UN PROGRAMME ON
SPACE APPLICATIONS**



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Basic Facts

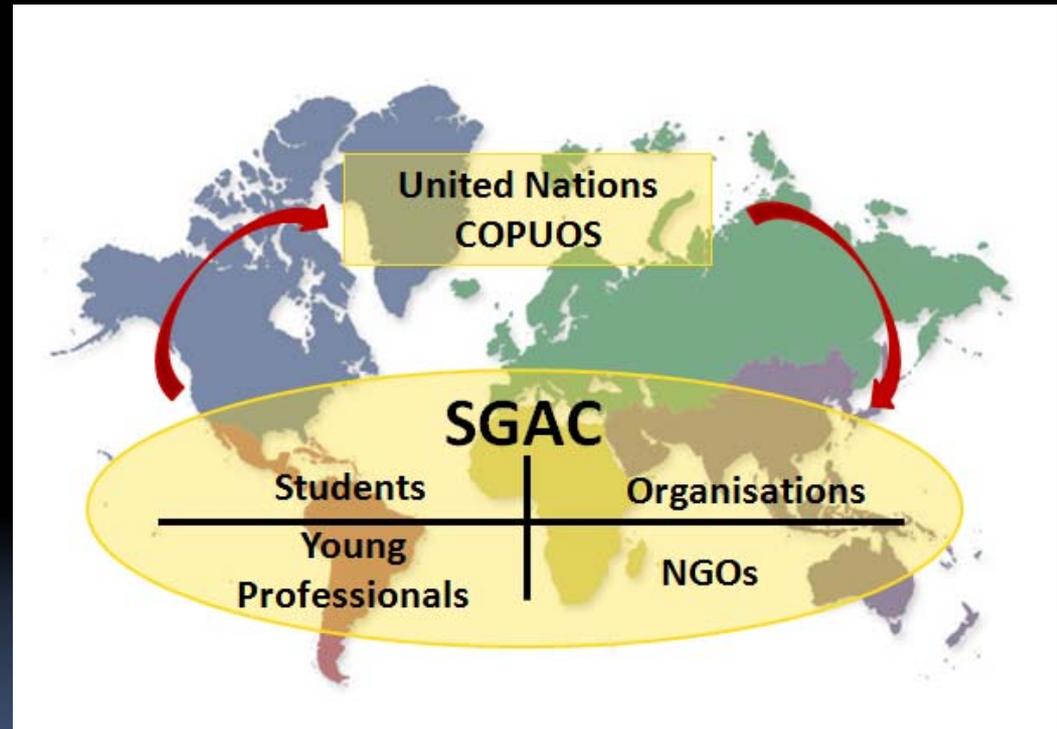


- **Conceived at UNISPACE III, Vienna 19 to 30 July 1999**
- **Permanent Observer status in the UNCOPOUS since 2001, ECOSOSC status since 2003**
- **SGAC headquarters based in Vienna, Austria**
- **Hosted by the European Space Policy Institute**
- **Over 90 countries are represented**
- **SGAC has a volunteer network of ~ 4,000 members**

SGAC Purpose



- A global volunteer base of advanced students and young professionals
- Connects them to each other and to top space professionals and organizations
- Gives the youth a voice in global space policy





YGNSS Project Team

Initiated in April 2008

- Project accepted for the Space Generation Congress 2008, Glasgow, Scotland
- 17 Delegates from different countries

Why be involved?

- We are the future “users” of GNSS and the “beneficiaries” of GNSS cooperation
- Responsibility to secure the benefits to the current and future society

Aims and Objectives



Aim

- Bring the maximum benefits of GNSS to the future society
- A role in the international development in GNSS

Objective

- Promote cooperation on GNSS and GNSS application
- Promote GNSS education & outreach
- Support ICG, in particular Working Group C
- Reflect the perspectives of youth on GNSS policies

Past YGNSS Activities



- Space Generation Congress: 2008, 2009, 2010
- International Astronautical Congress
- International Committee on GNSS (ICG 3, ICG4)
- International Opinion Poll
- February 2009 UNCOPUOS S&T Subcommittee (Vienna, Austria)
- 2009, 2010 ISU Symposium (Strasbourg, France)
- 16th Asia Pacific Regional Space Agency Forum (Bangkok, Thailand)
- 2010 Galileo Application Days (Brussels, Belgium)
- YGNSS Brochure

2009 SGC Agency Session



- 3 Days, ~50-60 Delegates, 10 in Agency Session
- Agency Session sponsored by NASA
- Researched how GNSS applications can be utilized for socioeconomic benefits in developing countries
 - Developed Case Study: India
 - Discussed benefits of GNSS applications in India's highly populated road infrastructure
 - Output: Power Point Presentation and Report

2009 Agency Outputs



- Summarized challenges in an urban transportation area in India
- Highlighted the benefits of GNSS technology in a way to which the public can relate
- Focused on the use of GNSS for helping developing countries advance more quickly
- Identified the need for discussions between technical experts and policies to support efforts

2010 SGC Agency Session



- 3 days, ~100 Delegates, 15-20 in Agency session
- Agency session sponsored by NASA
- Focused on the use of GNSS in pre-, during, and post disaster management response
- Final report of findings will be out in a few months



On-going Projects



- Continue to develop a comprehensive wiki-portal for education
- GNSS Model – interactive model that visually shows the interoperability and compatibility of GNSS systems and its benefits to users
- Supporting GNSS educational curriculum initiatives

Future Projects



- Discussions with the Disaster Management SGAC project on co-authoring a paper on how GNSS is used in disaster management
- Follow-on international opinion poll in regards to the youth's knowledge on GNSS and futuristic applications
- Plan geocaching events

We Are Here to Do Outreach and Education!



- Support of space agencies (i.e. NASA, ESA)
- Link to give GNSS education and opportunities to students and young professionals
- Looking to find more collaborative activities

Thank You For Your Time!



Questions, Comments,
Further Collaborative Ideas:

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