Update of SGAC’s YGNSS Project

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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

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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

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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

- 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

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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

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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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