ESPI Report 60
Engaging with stakeholders in preparation for UNISPACE+50

ESPI 10th Autumn Conference
Space for Sustainable Development

United Nations COPUOS STSC
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Outline

Pathways to Sustainable Development

Space & Sustainable Development

ESPI Stakeholders Engagement

ESPI 10th Autumn Conference

Key Recommendations
Pathways to Sustainable Development

Who are the stakeholders?
Space & Sustainable Development
Stakeholders

**Sustainable Development** is "development which meets the needs of current generations without compromising the ability of future generations to meet their own needs"
ESPI Stakeholders Engagement (1)

- European Union consultations, Brussels (Sept 2015)
  - ESA Jam Session on Migration, Paris
- EU DG-ECHO Partners conference, Brussels
  - United Nations High Level Forum, Vienna
  - ESPI Accomp Group on Sust Development
  - GEO Roundtable, Geneva
  - FSD consultation on drones, Geneva
- ESPI dialogue platform with NGOs
  - United Nations COPUOS 2016, Vienna
ESPI Stakeholders Engagement (2)

• 10th ESPI Autumn Conference “Space for Sustainable Development”, Vienna
• International Conference on Sustainable Development, Columbia University, New York
• United Nations / International Astronautical Federation Workshop on Space Technology for Socio-Economic Benefits, Mexico
• International Astronautical Congress 2016, Mexico
• 1st International Space Forum at Ministerial level – ISF 2016, Trento, Italy
• United Nations/United Arab Emirates High Level Forum on Space as a Driver for Socio-Economic Sustainable Development, Dubai
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NASA
ISRO

NGOs

UNOOSA

Academia

ESA

World Bank

ESPI

New Space Actors

Satellite Operators

African Union

European Union
ESPI dialogue with NGOs

• Focus on the actual needs of developing countries
  -> new service design models
• When are space-based solutions best and most cost effective?
  -> creation of helpdesk
• Potential of space for managing the environment and the local effects of climate change, for telemedicine and epidemiology, for facilitation of telecommunication, education and logistics management
  -> local actors involvement
• Challenge is how use the existing infrastructure and its functionalities and data in innovative ways and, through this, contribute to the achievement of the SDGs across a broad spectrum of individual goals
  -> new holistic programs
Key Recommendation 1: Space actors

- Adopt an end-to-end approach
- Comprehensive exploratory work on identifying user needs
- Avoid an inadvertent perpetuation of inequality and prevent ‘technology push’ scenarios.

inter-sectorial

inter-institutional (e.g. state and NGOs)

international cooperation and information sharing
Key Recommendation 2: Capacity Building

- Increasing the availability of space resources, including up-to-date archive on earth observation images incorporating the capacity for near-real time map building.
- IGOs, NGOs, and states should improve their technology awareness to strengthen capacity building, improve infrastructures as well as reduce environmental impacts.
- Formalized cross-sectorial dialogue platform.
Key Recommendation 3: Way Forward

- Best practices in the field
- Common requirements serving the SDGs for the next generation of space infrastructure.
- Space Policy and Strategy to create a well-coordinated and integrated programme
- Address user needs and improving access to space services
Conclusions

- Dialogue with most relevant stakeholders, including both Development actors and Space ones (incl. political, economic and social dimensions)
- African Union Space Policy and Strategy released in 2016
- UN Agenda 2030: the role of UNOOSA & Space Agencies in Sustainable Development
- New entrants in Space, Non Governmental Organizations
- Space services, as enablers, have a very substantial role to play in implementing the SDGs: existing applications, identifying gaps in leveraging of technologies, delineating limitations and challenges in governance, cooperation and technical implementation.
- UNISPACE+50 process is an opportunity to further demonstrate the broad societal benefits of space as a source of innovation, inspiration, interconnectedness, and investment, and to strengthen unified efforts at all levels and among all relevant stakeholders in addressing the overarching long-term development concerns of society.