



**Human Capacity-Building in Space Science and Technology for  
Sustainable Social and Economic Development**

October 31, 2017, Samara, Russia

# **Capacity-Building Network in Support of the Programme of Space Applications**

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# Overview



Programme on Space Applications



Agenda 2030 & UNISPACE+50



Capacity Building Network



Draft Terms of Reference



Proposed Actions and Concluding Remarks



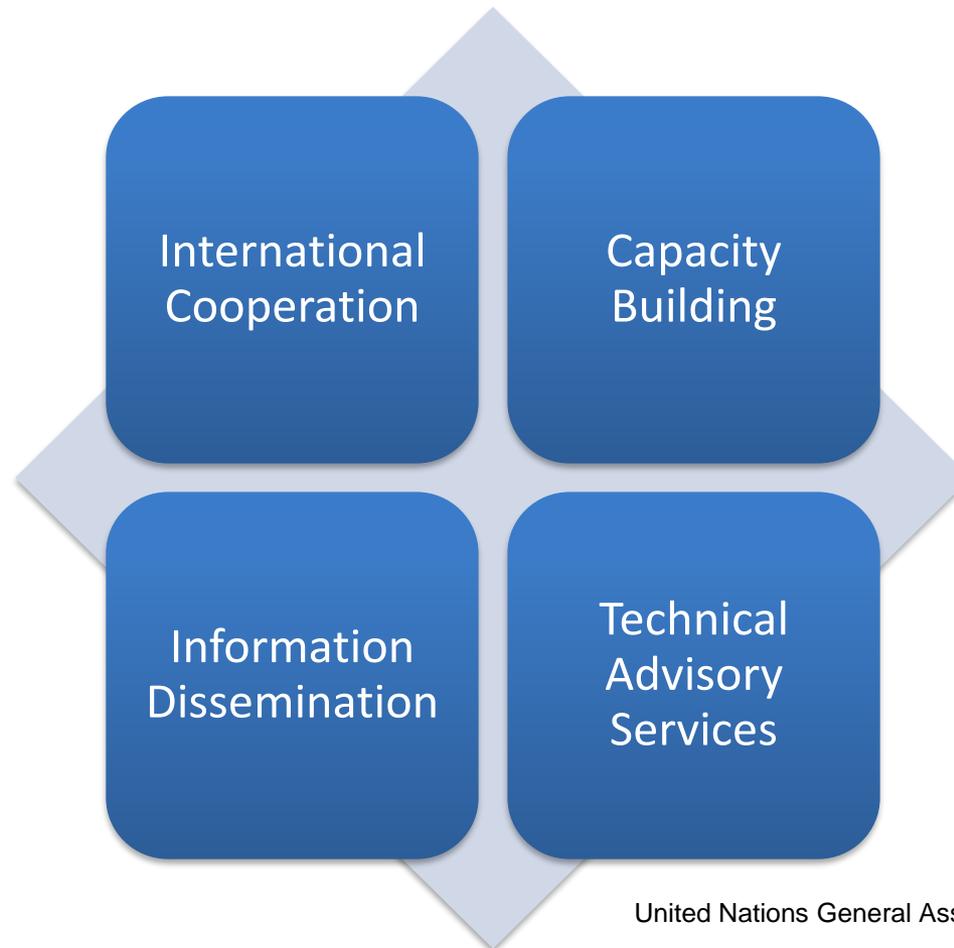
# Programme on Space Applications



- Supports capacity building in space science, technology and its applications
- Established in response to recommendations of the first UNISPACE conference in 1968
- Operational from 1971 and implemented by UNOOSA
- Strengthened mandates as a result of the discussions at the UNISPACE conferences held in 1982 and 1999



# Programme Mandate





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# Transforming our world: 2030 Agenda for Sustainable Development





## 2030 Agenda: SDGs



All countries and stakeholders are acting in **collaborative partnership** to **implement the 2030 Agenda for Sustainable Development.**



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„Sustainable development is the greatest challenge that humankind has ever faced“  
(Jeffrey Sachs)



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## Thematic Priorities

- 1. Global partnership in space exploration and innovation***
- 2. Legal regime of outer space and global space governance: current and future perspectives***
- 3. Enhanced information exchange on space objects and events***
- 4. International framework for space weather services***
- 5. Strengthened space cooperation for global health***
- 6. International cooperation towards low-emission and resilient societies***
- 7. Capacity-building for the 21<sup>st</sup> Century***



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## Background

- The [Programme on Space Applications](#) is supporting capacity building in space science, technology and applications within the framework of the 2030 Agenda for Sustainable Development.
- The Programme is organizing a series of annual activities (workshops, conferences, fellowship programmes) and working with the Regional Centres for Space Science and Technology Education.
- The Programme is also engaging with a growing number of entities external to the United Nations that are supporting capacity building in space activities.



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## Proposal

- UNOOSA to develop, in close cooperation with stakeholders, the Terms of Reference of the proposed capacity building network.
- A preliminary name for such a network could be “Capacity-Building Network in support of the United Nations Programme on Space Applications” or “CBN”.



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# Example: RCE network, not space oriented

Global RCE Network  
Education for Sustainable Development



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ABOUT

NEWS

EVENTS

RCEs Worldwide

COMMUNITY

PUBLICATIONS



## European RCE Meeting 2017

8-9 September 2017, Dortmund,  
Germany

### NEWS

2017-06-12

Decolonising Sustainable Development

### EVENTS

2017-09-12

Youth Leadership Program: Community  
Resilience for Promoting SDGs in a  
Changing Climate

### PUBLICATIONS

2017

RCE Mentoring Package by RCE Greater  
Portland

<http://www.rcenetwork.org/portal/>



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## CBN Draft Terms of Reference

- a) Any entity (university, institution, NGO, ...), governmental or non-governmental, can apply to UNOOSA to become a member of the CBN.
- b) A condition for Membership is a commitment by the entity to implement a capacity building activity (fellowship programme, training course, event, ...) that supports the Programme mandate. The activities of the entity shall not be in conflict with the aims and purpose of the United Nations.
- c) The 2030 Agenda for Sustainable Development and the Space Capacity Index/Space for Development Profile shall be guiding frameworks for the expected contributions of the CBN members.



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## CBN Draft Terms of Reference

- d) Each entity will report on the implementation and outcome of its activity. Reporting will be in a format that will allow UNOOSA to include the outcome in the reporting on the implementation of the biennium strategic framework, as part of the United Nations results-based management approach. The reporting will also be linked to the proposed Space for Development Profile, when it has become operational.
- e) Membership is always limited to a defined time period and automatically ends, when the entity is no longer engaged in a relevant activity.
- f) Each member of the CBN is entitled to advertise the fact that it is a member of the “Capacity Building Network in support of the United Nations Programme on Space Applications”, acknowledged by the United Nations Office for Outer Space Affairs. This affiliation should be considered a desirable goal and should be seen as a “badge of honour”, attracting relevant capacity building entities.



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## Draft Terms of Reference

- g) UNOOSA will propose a logo and logo-text that each member of the CBN will be entitled to use in promoting the capacity building activities. A dedicated webpage, listing and promoting the work of CBN entities shall be set up at [www.unoosa.org](http://www.unoosa.org).
- h) UNOOSA will hold an annual or bi-annual event (conference) of Members of the CBN, at which the work of the CBN will be reviewed. This will also be an opportunity to advertise and promote the work of the CBN members. The event will be the Programme's primary world-wide space capacity building event at which world-wide annual space capacity building activities will be reviewed. For this purpose, the event will also feature parts open to the public. The event will also put a spot-light on the capacity building work of UNOOSA.



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## Draft Terms of Reference

- i) UNOOSA will guide the preparation of a (possibly glossy) annual report on the achievements of the CBN.
- j) The CBN can be kick-started with a “Call for proposals”, attracting entities that may wish to become CBN members (a number of potential members already exists) and with a founding conference/event.
- k) UNOOSA will provide no direct financial support to any of the CBN members. It is expected that the work of the CBN members will support the Programme.



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## CBN and Regional Centres

- The proposed CBN shall not replace the existing Regional Centres for Space Science and Technology Education, affiliated to the United Nations. However, its purpose is nevertheless to establish a mechanism that may require the Regional Centres to re-consider how they operate and how much they contribute to the Programme.
- The proposal for an “Alliance of Regional Centres” by Beihang University is compatible with the present proposal and one possibility for the Alliance (or the individual Regional Centres) would be to become members of the CBN. Like any other CBN entity this entails, that the Regional Centre makes a commitment to support capacity building activities.



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## Proposed Next Actions

1. Discuss the present proposal within UNOOSA and reach agreement on the way forward.
2. Present the proposal to the meeting of the Directors of the Regional Centres, to be held 13 and 14 June 2017.
3. Present the proposal at UN/Austria Symposium “Access to Space: Holistic Capacity-Building for the 21<sup>st</sup> Century”
4. Refine the proposal and present and discuss it at the [United Nations/Russian Federation Workshop on Human Capacity Building](#), to be held in Samara, Russian Federation, 30 October to 2 November 2017.
5. Prepare a document for COPUOS on the proposal, linked to UNISPACE+50 thematic priority 7 “Capacity Building for the 21st Century”.
6. Obtain COPUOS support for the proposal, e.g. at STSC 2018.
7. Approve the proposal at UNISPACE+50, under thematic priority 7 “Capacity Building for the 21st Century”.
8. Founding conference/event, following UNISPACE+50.
9. Implementation of the CBN by UNOOSA and CBN members.



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## Results from Graz

- UNOOSA believes that the creation of the CBN will have measurable positive impact on Member States' capacity to use space, science, technology and its applications in support of economic, social and environmental sustainable development.
- It will also contribute to achieving the goal of implementing the 2030 Agenda for Sustainable Development.
- UNOOSA will consult with stakeholders on this proposed approach, with the aim to arrive with a final proposal for approval at UNISPACE+50 in in June 2018.



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## UN/Austria Symposium results

- The proposed work on the ‘Capacity-building Network’ was welcomed as good global initiative to bring together various stakeholders from the field.
- It was noted that the proposed Capacity Building Network (CBN) could provide research opportunities and hands-on training programmes, including exchange of students programmes and in working environments.
- Space technology supports our common goals to address global challenges, and new and innovative ways of capacity-building will be essential to facilitate the implementation of the agreed 2030 agendas on Sustainable Development, Climate Change and Disaster Risk Reduction.



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## References

- A/AC.105/2017/CRP.5, UNISPACE+50: Scope and organization, status of preparations, 8 June 2017
- A/AC.105/2017/CRP.20, Strengthening the means for the Office for Outer Space Affairs to cooperate with industry and private sector entities in the space arena for the benefit of developing countries, 9 June 2017
- United Nations University, Global RCE Network, [www.rcenetwork.org/portal](http://www.rcenetwork.org/portal)
- United Nations University, ProSPER.Net, Promotion of Sustainability in Postgraduate Education and Research, [propsernet.ias.unu.edu](http://propsernet.ias.unu.edu)

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