



**United Nations Expert Meeting on
the International Space Station
Humanitarian Benefits**

**11-12 June 2012
Vienna International Centre, Austria**

**Organised by:
United Nations Office for Outer Space Affairs**

**Co-organised by:
Canadian Space Agency (CSA), European Space Agency (ESA),
Japan Aerospace Exploration Agency (JAXA),
National Aeronautics and Space Administration (NASA),
Russian Federal Space Agency (ROSCOSMOS)**

Programme

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United Nations Expert Meeting on the
International Space Station Humanitarian Benefits
Vienna International Centre, Vienna, Austria, 11-12 June 2012

Programme Committee (in alphabetical order):

- Ms. Nicole Buckley (Canadian Space Agency (CSA))
- Ms. Ingrid Dietlein (UNOOSA)
- Mr. Takao Doi (UNOOSA)
- Mr. Karl-Heinz Gindl (Canadian Space Agency (CSA))
- Mr. Shigeki Kamigaichi (Japan Aerospace Exploration Agency (JAXA))
- Mr. Aimin Niu (UNOOSA)
- Ms. Julie Robinson (National Aeronautics and Space Administration (NASA))
- Mr. Boris Zagreev (Russian Federal Space Agency (Roscosmos))
- Mr. Martin Zell (European Space Agency (ESA))

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United Nations Office at Vienna
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Room M7, 11-12 June 2012

Monday, 11 June 2012

0800 – 0900	Registration	
0900 – 0915	Opening (Welcome/Introduction)	<i>OOSA/All</i>
0915 – 1015	Session I: Overview of International Space Station Activities	
	<i>Chairperson: Mr. Takao Doi</i>	
0915 – 0930	Gaining Knowledge and Solving Problems: CSA's Use of the ISS	<i>Mr. Karl-Heinz Gindl (CSA)</i>
0930 – 0945	ESA's ISS Utilisation Programme	<i>Mr. Martin Zell (ESA)</i>
0945 – 1000	JAXA's ISS/Kibo Programme and its Utilization Activities	<i>Mr. Shigeki Kamigaichi (JAXA)</i>
1000 – 1015	Overview of ISS Benefits and Introduction of NASA Projects	<i>Ms. Julie Robinson (NASA)</i>
<i>1015 – 1100</i>	<i>Break</i>	
1100 – 1230	Session II: Extending ISS Benefits to the World	
	<i>Chairperson: Mr. Luc St. Pierre</i>	
1100 – 1115	Introduction of Model for Extending ISS Benefits	<i>Ms. Julie Robinson (NASA)</i>
1115 – 1130	Activities of the United Nations Office for Outer Space Affairs	<i>Mr. Takao Doi (UNOOSA)</i>
1130 – 1145	WMO Space Programme Highlights	<i>Mr. Jérôme Lafeuille (WMO)</i>
1145 – 1200	Overview of UNEP, its Mandate and Major Functions	<i>Mr. Ronald G. Witt (UNEP)</i>
1200 – 1215	The World Health Organization: Innovation and Empowerment through Information and Communication Technologies	<i>Mr. Najeeb Mohammed Al Shorbaji (WHO)</i>
1215 – 1230	UNESCO and its Space Partners Using Space Technologies for Natural and Cultural Heritage	<i>Mr. Mario Hernandez (UNESCO)</i>
<i>1230 – 1400</i>	<i>Lunch</i>	

1400 – 1445	Session III: ISS Benefits to Earth Observation and Disaster Response	
	<i>Chairperson: Mr. Lorant Czarán</i>	
1400 – 1415	ISS: New Capabilities for Disaster Response and Humanitarian Aid	<i>Mr. William L. Stefanov (NASA)</i>
1415 – 1430	Earth Observation from ISS - Japan's Contribution	<i>Mr. Shigeki Kamigaichi (JAXA)</i>
1430 – 1445	ESA's Observation Activities from ISS	<i>Mr. Martin Zell (ESA)</i>
<i>1445 – 1530</i>	<i>Break</i>	
1530 – 1800	Session IV: Extending Earth Observation & Disaster Response Benefits Globally	
	<i>Chairperson: Mr. Hans Haubold</i>	
1530 – 1545	Concept: An ISS-based Radiometric Calibration Reference for Earth Observation Missions for Climate Change Monitoring and Operational Applications	<i>Mr. Jérôme Lafeuille (WMO)</i>
1545 – 1600	UNEP Activities in Earth Observation, Early Warning and Disaster Risk Reduction (DRR)	<i>Mr. Ronald G. Witt (UNEP)</i>
1600 – 1615	Concept: Utilization of International Space Station- Collected Imagery, Photography Archives and Other Data for Sustainable Development	<i>Mr. Luc St. Pierre (UNOOSA)</i>
1615 – 1630	Concept: Utilization of International Space Station Assets for the Full Cycle of Disaster Management	<i>Mr. Lorant Czarán (UNOOSA)</i>
1630 – 1645	Concept: Evaluation of the Effectiveness of ISS Based Information in Monitoring Flood	<i>Ms. Shaheen Khan (SPARRO, Bangladesh/UNOOSA)</i>
1645 – 1700	Concept: Satellite Information Useful for the Albanian Development	<i>Mr. Petrit Zorba (UPT-IGJEUM, Albania/UNOOSA)</i>
1700 – 1800	Discussion	<i>All</i>
1800	End of Day-1	

Tuesday, 12 June 2012

0800 – 0900	Registration	
0900 – 0915	Announcement	<i>UNOOSA</i>
0915 – 1015	Session V: ISS Benefits to Human Health	
	<i>Chairperson: Mr. Alexander Horsch</i>	
0915 – 0930	Spinning Life Science Research into Health Services	<i>Mr. Karl-Heinz Gindl (CSA)</i>
0930 – 0945	ESA's Human Research Activities on ISS	<i>Mr. Martin Zell (ESA)</i>
0945 – 1000	JAXA's Human Research on ISS for Benefits on Earth	<i>Ms. Chiaki Mukai (JAXA)</i>
1000 – 1015	Astronauts and Aborigines: Space Age Medical Care for the Underserved Planet	<i>Ms. Alberta Spreafico (NASA)</i>
<i>1015 – 1045</i>	<i>Break</i>	
1045 – 1230	Session VI: Extending Health Benefits Globally	
	<i>Chairperson: Mr. Martin Zell</i>	
1045 – 1100	Satellite Communications for Health: Opportunities and Challenges	<i>Mr. Najeeb Mohammed Al Shorbaji (WHO)</i>
1100 – 1115	Concept: Space-proven Telemedicine Devices and Services for Underserved Populations	<i>Mr. Alexander Horsch (University of Munich, Germany/UNOOSA)</i>
1115 – 1130	Concept: Using portable Ultrasound to Enhance Diagnostics in Vulnerable Populations Based on ISS Experiences	<i>Mr. Alexander Horsch (University of Munich, Germany/UNOOSA)</i>
1130 – 1230	Discussion	<i>All</i>
<i>1230 – 1400</i>	<i>Lunch</i>	
1400 – 1500	Session VII: ISS as a Platform for Education	
	<i>Chairperson: Mr. Mario Hernandez</i>	
1400 – 1415	Past Achievements and Future Prospects	<i>Mr. Karl-Heinz Gindl (CSA)</i>
1415 – 1430	ESA's Educational Activities on ISS	<i>Mr. Martin Zell (ESA)</i>
1430 – 1445	JAXA's Educational Activities on ISS	<i>Mr. Shigeki Kamigaichi (JAXA)</i>
1445 – 1500	Butterflies, Spiders and Plants in Space: Students Experiments on the International Space Station	<i>Ms. Nancy P. Moreno (NASA)</i>
<i>1500 – 1530</i>	<i>Break</i>	

1530 – 1730	Session VIII: Extending Educational Activities Globally	
	<i>Chairperson: Ms. Julie Robinson</i>	
1530 – 1545	UNESCO's Concept on the Use of the ISS for the UN	<i>Mr. Yann Gavillot/Mr. Mario Hernandez (UNESCO)</i>
1545 – 1600	Concept: Educational Material Distribution	<i>Ms. Mika Ochiai/Ms. Ingrid Dietlein (UNOOSA)</i>
1600 – 1615	Concept: Microgravity Experiments for Education	<i>Mr. Takao Doi/Mr. Aimin Niu (UNOOSA)</i>
1615 – 1630	Concept: Activities of the Ghana Space Science and Technology Centre	<i>Ms. Nana Ama Browne Klutse (GSSTC, Ghana/UNOOSA)</i>
1630 – 1730	Discussion	<i>All</i>
<i>1730 – 1800</i>	<i>Break</i>	
1800 – 1830	Outlook	
	<i>Chairpersons: Mr. Takao Doi & Mr. Hans Haubold</i>	
1830	Closing of Expert Meeting	
1930	Social Event	