



**International
Academy of
Astronautics**

INTERNATIONAL ACADEMY OF ASTRONAUTICS

UN COPUOS

Vienna

15 Feb 2011

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Yuzhnoye Design Office (Ukraine)

Space Summit

17 Nov 2010

Washington DC



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**Heads of Space Agencies Summit
Washington DC, 17 Nov 2010**

Head of Space Agencies Summit

Washington DC, 17 Nov 2010

**On the occasion of the 50th Anniversary
of IAA**



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Heads of Space Agencies Summit Washington DC, 17 Nov 2010

The goal of the 2010 IAA Summit was to reach a broad consensus on international cooperation and coordination at the highest level and consider new concrete initiatives of cooperation in the four areas identified by the IAA Board of Trustees

- Planetary Robotic Exploration**
- Human Spaceflight**
- Disaster Management**
- Climate Change**



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SUMMIT DECLARATION





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Human Spaceflight

- **Continue to support the work of the International Space Exploration Coordination Group;**
- **Acknowledge the need of maintaining human space exploration;**
- **Recognize the importance of the International Space Station;**
- **Support the development of a common interoperability policy for LEO and beyond;**
- **Welcome the development of enabling technologies required to achieve exploration goals;**
- **Stress the importance of coordinating research on human factors in preparation for space missions beyond LEO;**
- **Acknowledge the need to define an integrated public engagement plan to support a sustainable Human Exploration Program;**
- **Invite new and emerging space faring nations to cooperate.**



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Planetary Robotic Exploration

- **Expand efforts to work together to achieve the next leap in understanding of our Solar System and to pave the way for human exploration;**
- **Focus scientific exploration goals to be mutually supportive, while recognizing the competitive aspect of scientific exploration;**
- **Strive to make available opportunities for international collaboration;**

- **Explore fruitful collaborations in which two or more agencies share significant joint responsibility for missions with multiple flight elements;**

- **Seek ways to apply robotic explorers to further pave the way for expanded human exploration through attainment of critical knowledge of relevant destinations and/or validation of technologies required for human exploration.**



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Climate Change

- **Reinforce the programmatic coordination of the Earth Science programs worldwide, in the frame of institutions such as the Group on Earth Observations (GEO) and the Committee on Earth Observation Satellites (CEOS);**
- **Support the development of technologies, derived sensors, and scientific modeling, to achieve a mapping of Green House Gases (GHG) sources and sinks/drains for international commitments monitoring;**
- **Foster the delivery of reliable, objective and verifiable remote sensing data from space systems for the inventory and monitoring of forests, in support to the decision taken at Copenhagen COP 15;**
- **Define interoperability standards to enable the use of space systems for integrated applications aiming at reducing the carbon footprint of systems;**
- **Foster space technology efforts and demonstration projects.**



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Disaster Management

- **Strengthen the existing network of Earth Observation (EO) satellites;**
- **Promote the International Charter on Space and Major Disasters;**
- **Improve EO based techniques for disaster response;**
- **Facilitate communications' networks through international cooperation in the Data Relay Satellite System (DRSS);**
- **Support that Apply GEO Data Sharing Principles;**
- **Encourage collaborative research efforts and knowledge integration for developing early warning systems/models;**
- **Increase the ability at local level to exploit satellite-based technologies for disaster management, enhance efforts for capacity building;**
- **Strengthen national/regional/international level networking of stakeholders.**



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Summit Gala Dinner Washington DC, 17 Nov 2010

