



APSCO

ASIA-PACIFIC SPACE COOPERATION ORGANIZATION

United Nations International Conference on Space-based Technologies for Disaster Management – “Disaster risk identification, assessment and monitoring”

Oct. 23-25, 2013

Beijing China



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APSCO's Role

Congratulations !

- This UN International Conference is helpful at improving decision making processes at National level through utilizing the space based information.
- As an international, inter-governmental organization for cooperation in space, APSCO runs different activities for improving social and economic situation in the region by utilizing space resources, which is granted naturally for all nations in the region.
- Since disaster management is one of fore-most important issues for many of our Member States, we put it in our agenda as one of high priority issue.
- Introduction and program information of APSCO will be presented at this Conference respectively.



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Introduction of APSCO

- ***Background***
- ***Organizational Structure***
- ***Cooperative Activities***
- ***International Exchanges***



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Background





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The Initial Stage

- a) In November of 1992, the *Asia-Pacific Workshop on Multilateral Cooperation in Space Technology and Applications* was held in Beijing, which marked the multilateral cooperation in space among Asia Pacific countries started.
- b) **China, Pakistan and Thailand** proposed the institutionalization of the mechanism which was agreed by the participants from 16 Asia-Pacific Countries.
- c) On October 28th of 2005, *the Signing Ceremony of APSCO Convention* was held in the Great Hall of the People, Beijing. 8 countries in Asia-Pacific Region signed the Convention, which included **Bangladesh, China, Indonesia, Iran, Mongolia, Pakistan, Peru and Thailand.**

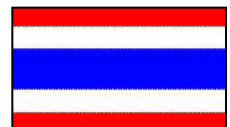
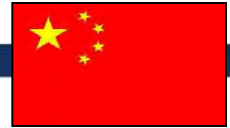
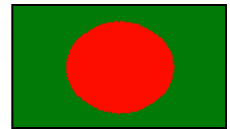




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The Initial Stage

d) On June 1st of 2006, the representative of the Government of Turkey signed the APSCO Convention in Beijing. Up to that time, APSCO has totally 9 Signatory Countries.





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The Establishment of APSCO

- On December 16th of 2008, the Inauguration Ceremony of APSCO was held in Beijing, China. Since then, the APSCO has formally established.





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Legal Status of APSCO

- APSCO formally applied as a *Permanent Observer* to the Committee on the United Nations Peaceful Uses of Outer Space (UN-COPUOS) during the 52nd Session of Committee meeting in Vienna on 12 June 2009.
- The status of permanent observer to the UN-COPUOS was granted by the 64th Session of UN General Assembly.





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Legal Status of APSCO

- APSCO was certificated by the UN as a Multilateral International Organization in 2009.
- The Host Country Agreement was signed between APSCO and Chinese Government on 15 July 2009 in Beijing, China, by Dr. Zhang Wei, Secretary-General of APSCO and Mr. Li Yizhong, Minister of Ministry of Industry and Information Technology of China.





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The Headquarters Building of APSCO

- In November of 2009, APSCO moved into its new Headquarters Office Building which is located in Beijing and donated by the Chinese Government.
- Since then, APSCO has entered into formal operation.



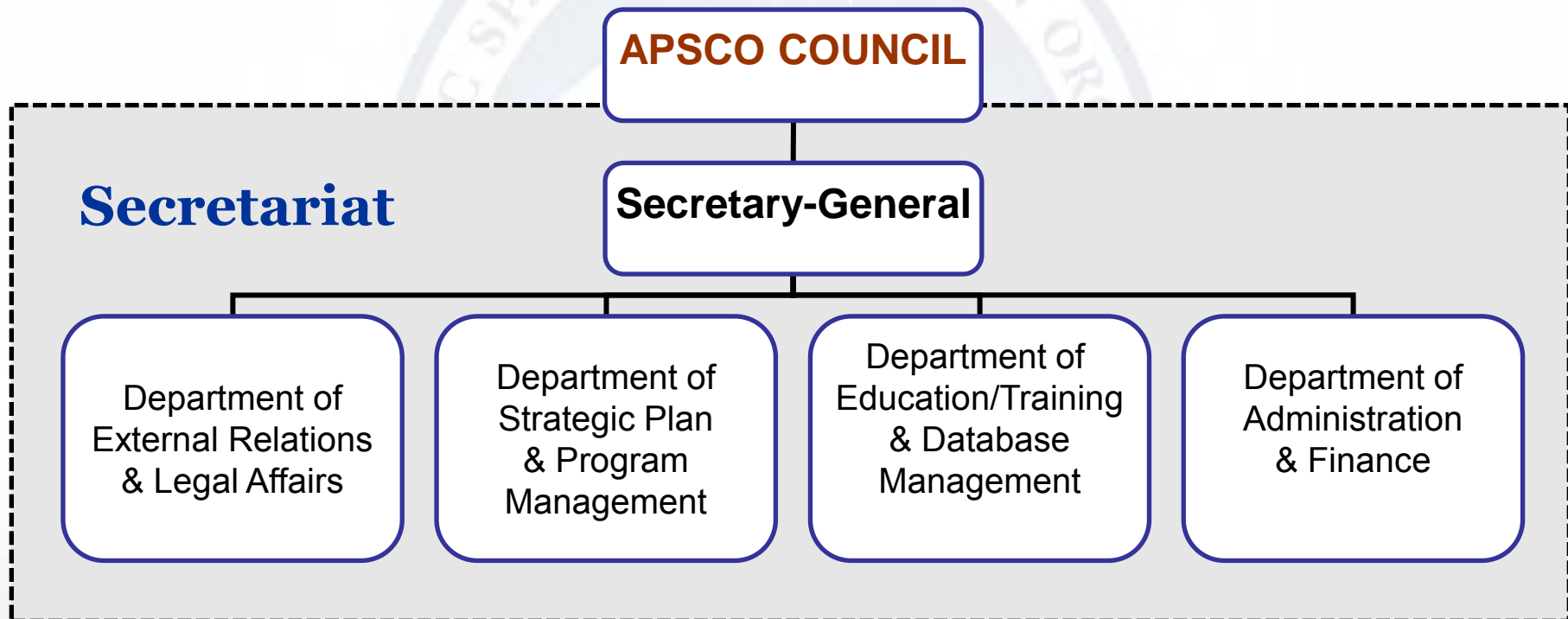


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Organizational Structure



- According to the APSCO Convention, the Council, headed by the Chairman of the Council, is the highest decision-making body. The Secretariat, headed by the Secretary-General, is the executive organ of the Organization. Currently, the Secretariat has four Departments as follows:





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Current Structure of APSCO

The current Chair-board of APSCO Council

Chairman of the Council: Mr. MA Xing Rui (China)

Deputy Minister of Industry and Information Technology (MIIT)
Administrator of China National Space Administration (CNSA)



TWO Vice Chairmen of the Council:

Iranian Space Agency, Iran

Information Technology, Post and
Telecommunication Authority, Mongolia



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Current Structure of APSCO

The Secretariat



Secretary-General:

Dr. Zhang Wei (China)



Director-General
of ER/LA
Mr. Ahmad
Talebzadeh (Iran)



Director-General
of SP/PM
Dr. Maqbool
Ahmed Chaudhry
(Pakistan)



Director-General
of F/A
Ms. Liu Xiaohong
(China)



Director-General
of ET/DB
Mr. Tsoodol
NyamkhUU
(Mongolia)



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Important Events of APSCO

- There are 7 council meetings have been held since 2009 when the Organization was start to operate.

The 1st Council Meeting

December 17th -18th, Beijing, 2008

The 2nd Council Meeting

December 17th -18th, Beijing, 2009

The 3rd Council Meeting

September 16th -17th, Beijing, 2010

The 4rd Council Meeting

January 26th -27th, Pattaya, 2011

The 5th Council Meeting

September 7th -8th, Beijing, 2011

The 6th Council Meeting

July 17rd -18th, Teheran, 2012

The 7th Council Meeting

July 4th -5th, Beijing, 2013





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Cooperative Activities



Cooperative activities in APSCO

Areas	Project	Current Status
Space Technology	APSCO Applied High Resolution Satellite Project (APRS)	Preparation for Implementation
	APSCO Geo-Telecommunication Satellite and its Application	Feasibility Study
	Electromagnetic Satellite Payload for Earthquake Prediction	Feasibility Study
Space Science	Development of Asia-Pacific Ground-Based Optical Space Objects Observation System (APOSOS)	Implementation Phase
	Research on Atmospheric Effects on – Ka Band Rain Attenuation Modeling and – Ionospheric Modeling through Study of Radio Wave Propagation and Solar Activity	Preparation for Implementation
	Research on Determining Precursor Ionospheric Signatures of Earthquakes by Ground Based Ionospheric Sounding	Preparation for Implementation
Space Application	Data Sharing Service Platform and Its Application Pilot Project	Implementation Phase
	Applications of Compatible Navigation Terminal System	Implementation Phase
Training	Establishment of the Education and Training Center of APSCO	Implementation Phase
	APSCO Small Student Satellites joint development among Universities of MS	Feasibility Study



Degree Education Program

2010-2013 (Master)

Sl .	Year	Specialization	Participants	Organizer and Sponsors
1				
2	MASTA 2012	Global Navigation Satellite System (GNSS)	15 from MS	APSCO & BUAA & CSC
3	MASTA 2011	Satellite Communications (SATCOM)	13 from MS and 1 from Laos	APSCO & BUAA & CSC
4	MASTA 2010	Remote Sensing and Geo-information System (RS & GIS)	12 from MS	APSCO & BUAA & CSC



2013 (Master & PhD)

Sl .	Year	Specialization	Participants	Remarks
1	MASTA 2013	Remote Sensing and Geo-information System (RS & GIS)	10 from MS	Bangladesh-4, Indonesia-1, Iran-4, Mongolia-4, Pakistan-4, Peru-3, Thailand-4 and Srilanka-1
2	MASTA 2013	Global Navigation Satellite System (GNSS)	10 from MS	
3	DOCSTA 2013	Space Technology and Applications	5 from MS	





Short Training Program

Sl.	Name	Duration & Location	Participants	Organizers
1	APSCO Training Course on "Small/Micro Satellite Development"	10-20 September 2013 in Ulaanbaatar, Mongolia.	APSCO MS	APSCO & ITPTA
2	APSCO Training Course on "Flood and Drought Monitoring through using Space Technology"	23-31 October , 2013, Beijing, China.	APSCO MS	APSCO & UN-SPIDER
3	Basic Operation Training of APSCO Education and Training Centre/Network	3 days Beijing, China	APSCO MS	APSCO





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International Symposium

• Symposium

Besides training and education programme, APSCO Secretariat organized International Symposium with different space related topics yearly and drew great interests from the globe.

- **First** International Symposium on Space Cooperation for the Asia-Pacific Region July, 2009, Thailand
- **Second** International Symposium on Food Security and Monitoring of Agriculture through Satellite Technology September, 2010, Pakistan
- **Third** International Symposium on the earthquake monitoring and early warning by using space technology and its applications. September, 2011, Beijing
- **Fourth** International Symposium on Communication satellite Technology and Applications. November, 2012, Indonesia
- **Fifth** International APSCO Fifth International Symposium on Satellite Remote Sensing (RS) and Geographic Information System (GIS) Development in the Asia-Pacific Region, Oct.2013, Ankara, Turkey.





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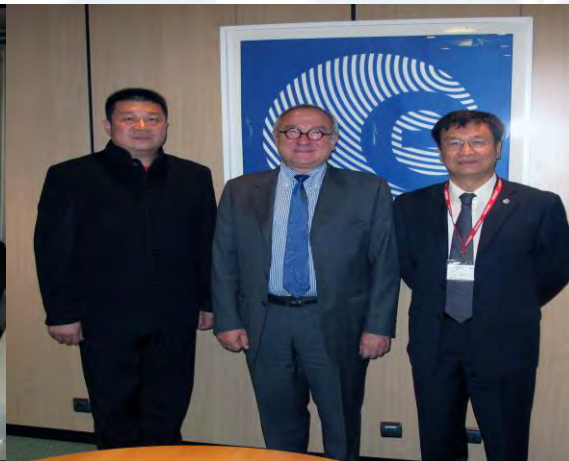
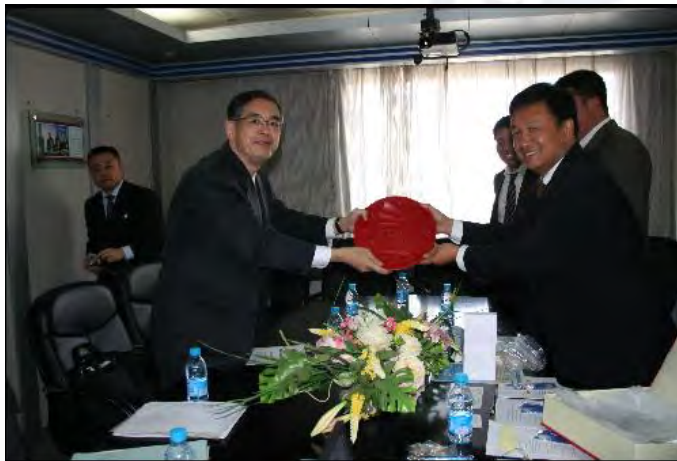
International Exchanges



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International Exchanges

- APSCO received a delegation from Japan Aerospace Exploration Agency (JAXA)
- APSCO delegation visited the ESA Headquarter.
- APSCO Officials met with NASA representatives in IAC meeting.





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Exchanges Among APSCO Member States

- In June 2013, APSCO delegation headed by the Secretary General Dr. Zhang Wei visited TUBITAK, Turkey.
- In March, 2011, APSCO delegation visited headed by the Secretary General Dr. Zhang Wei visited CONIDA, Peru.





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Membership Expansion

- In July 2010, APSCO met with delegation from The Federal Space Agency of Russia.
- In October 2010, APSCO visited National Space Agency of Ukraine (NSAU).
- In June, 2011, APSCO delegation visited National Space Agency of Kazakhstan
- In October, 2011, APSCO delegation visited Space Agency of South Africa (SANSA)
- In Nov. 2012, APSCO delegation visited Space Agency of Mexico
- In Dec. 2012, APSCO and MIIT delegation visited Sri Lanka

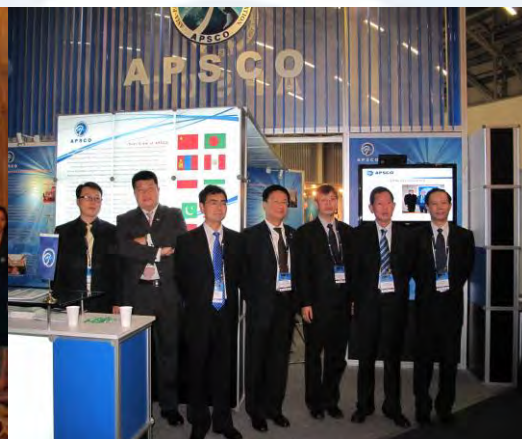




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Activities with International Community

- In November 2010, APSCO officers attended the workshop on Space Law “Activities of States in Outer Space in Light of New Developments” in Thailand.
- In October, 2011, APSCO exhibited the in IAC meeting in South Africa.
- In Feb, 2012, APSCO official participate in Scientific and Technical Subcommittee of the United Nations Committee on the Peaceful Uses of Outer Space (UNCOPUOS)





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New Year Reception of APSCO

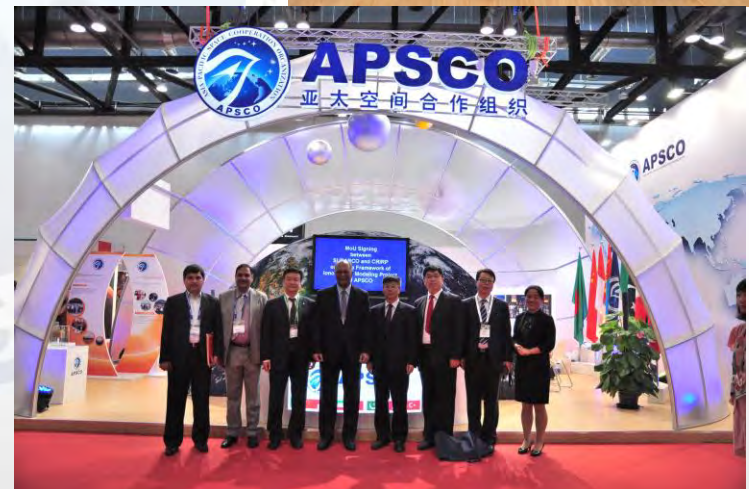




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APSCO Pavilion at the 64th IAC

the 64th International Astronautical Congress was held in Beijing, during September 23-27, 2013. APSCO Pavilion received delegates worldwide.





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Potential Membership & Possibility of Cooperation

- APSCO Secretariat is actively to promote the space cooperation with other countries in Asia-Pacific region for the purpose of peaceful uses of outer space since the Organization was established.
- Currently, some countries shows their interests in cooperative projects with APSCO; Malaysia and Tajikistan are the observers of APSCO.
- APSCO warmly welcome any interested countries becoming the Member States of APSCO.





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*I wish this Conference
a complete success !
Wish all participants happy in Beijing!*

**THANK YOU
FOR YOUR ATTENTION !**