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# **Update of BeiDou International Education and Training Activities**

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Beidou International Exchange and Training Center

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# Outline

- **Overview**

- **Education and Training Activities**

- Summer school on BeiDou/GNSS Frontier Technology 2013
- MASTA & DOCSTA 2013
- BeiDou Workshop for ASEAN
- BeiDou Education Cooperation with Pakistan
- Evaluation Mission of UNOOSA to Beihang

- **Capacity Building**

- Beidou Exhibition Hall and GNSS Smart Classroom

## Background

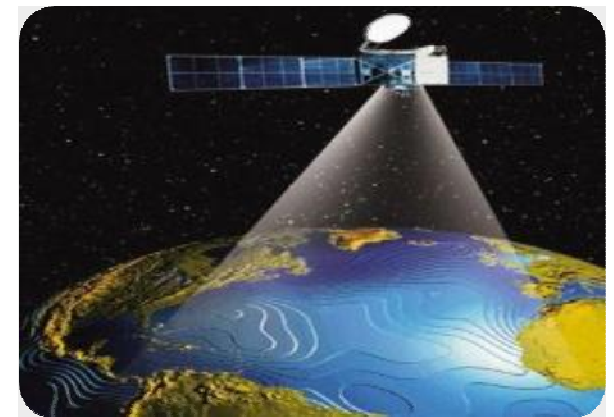
- Great development and wide use of space technology
- Growing demands on space education from developing countries.
- China's contribution to the UN programme on space applications



Weather Forecast



Disaster Management



Satellite Navigation



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## Overview

Beihang University, the first aerospace university in China, has been engaged in space international education since 2000 with the support of China National Space Administration (**CNSA**).

<b>Schools</b>	28
<b>State Key Laboratories</b>	7
<b>Undergraduate Programs</b>	57
<b>Master's Programs</b>	144
<b>Doctoral Programs</b>	49
<b>Students</b>	25,825
<b>Undergraduates</b>	13,704
<b>Graduates</b>	12,121
<b>Faculty &amp; Staff</b>	3,799



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### At Beihang

2004 Beihang Space Applications Education center was established

2012 BeiDou International Exchange and Training Center was established

2013 APSCO Education and Training Center (China) was established

### In ICG

The establishment of the **International Centre for GNSS Science Technology and Education** at **Beihang University**, China was proposed in the United Nations International Meeting on the Applications of GNSS on 12-16 December 2011 in Vienna.

**International Centre for GNSS Science Technology and Education** at **Beihang University** can be regarded as ICG information Centre was proposed in ICG 7 on 5-9 December 2012 in Beijing.

**BeiDou Education has become the important part of Beihang Space education at Beihang**



## Summer school 2013

The second session of Summer School has been launched successfully in August, 2013



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## MASTA & DOCSTA 2013

The opening ceremony was held in September 13, 2013

- Participants: 30
- Nationality: 8
- Major/Direction:
  - RS&GIS: 10
  - GNSS: 13
  - DOCSTA: 7
- Scholarships: 24

DOCSTA ( Doctoral Degree on Space Technology Applications)  
Program is new started in 2013



## BeiDou Workshop for ASEAN

2013 ASEAN PLUS Three Training Program BeiDou Workshop was hosted by Beihang in September 6, 2013.

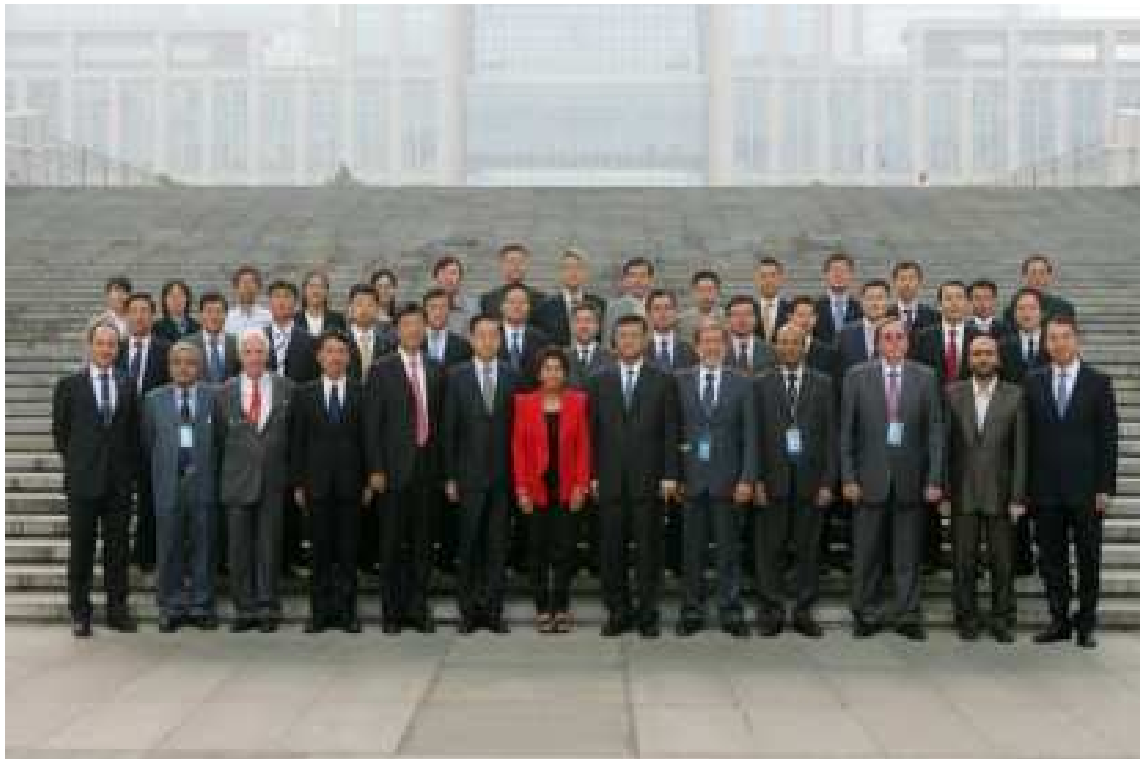


# Education Cooperation with Pakistan

- SUPARCO delegation visited Beihang in July, 2013.
- Both sides agreed to promote cooperation, information exchange and communication, as well as the implementation of specific projects.

## Evaluation Mission of UNOOSA to Beihang

It was held in September 28-30, 2013.



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## Evaluation Mission of UNOOSA to Beihang

Regional Centres for Space Science and Technology  
Education, Affiliated to the United Nations

### Report of the Evaluation Mission to Beihang University

(Final Report, 30 September 2013)



28-30 September 2013  
Office for Outer Space Affairs  
United Nations Office at Vienna

The following experts have been nominated by member States of the Committee to take part in the mission to evaluate Beihang University in response to note verbale OOSA/2013/4, CU 2013/83:

1. Mr. Tahaye ABADI, Iran (Islamic Republic of), Supervisor of Specialized Education Affairs Division at the Iranian Space Agency
2. Mr. Dmitry BISIHALO, Russian Federation, Professor, Institute of Astronomy, Russian Academy of Sciences
3. Mr. Vassilios CASSAPOGLOU, Greece, Legal Expert (Space and Telecoms), Ministry of Foreign Affairs
4. Mr. Vinay Kumar DADHWAL, India, Director, National Remote Sensing Centre (NSRC), ISRO Department of Space
5. Mr. Muhammad Riaz SUDDLE, Pakistan, Member Space Electronics Wing, SUPARCO
6. Mr. Masanobu TSUJI, Japan, Manager for International Cooperation Promotion, International Relations and Research Department, JAXA

The following representatives of the Office for Outer Space Affairs facilitated and led the evaluation mission:

1. Mr. Werner BALOGH, OOSA, Programme Officer
2. Mr. Sergio CAMACHO, OOSA, Expert on Mission

13 Evaluation Parameters with 33  
observation points are all satisfactory



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### Evaluation Mission of UNOOSA to Beihang

Next step work of the New Centre

- sign agreement with interested countries to join the new centre
- Sign MOU/ agreement with the Chinese government
- Sign affiliated agreement with UNOOSA



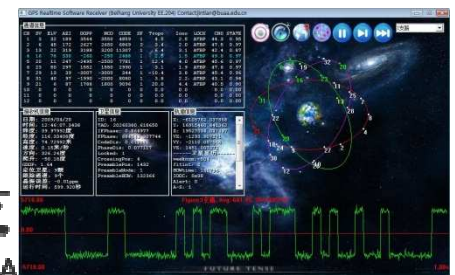
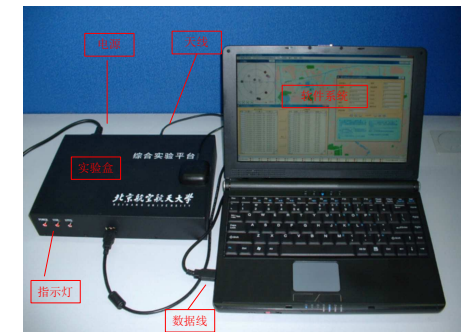
## BeiDou Exhibition Hall

Located in Beihang Aerospace Museum and now it opens to the public to let more people know what is Navigation and its benefits



## GNSS smart classroom

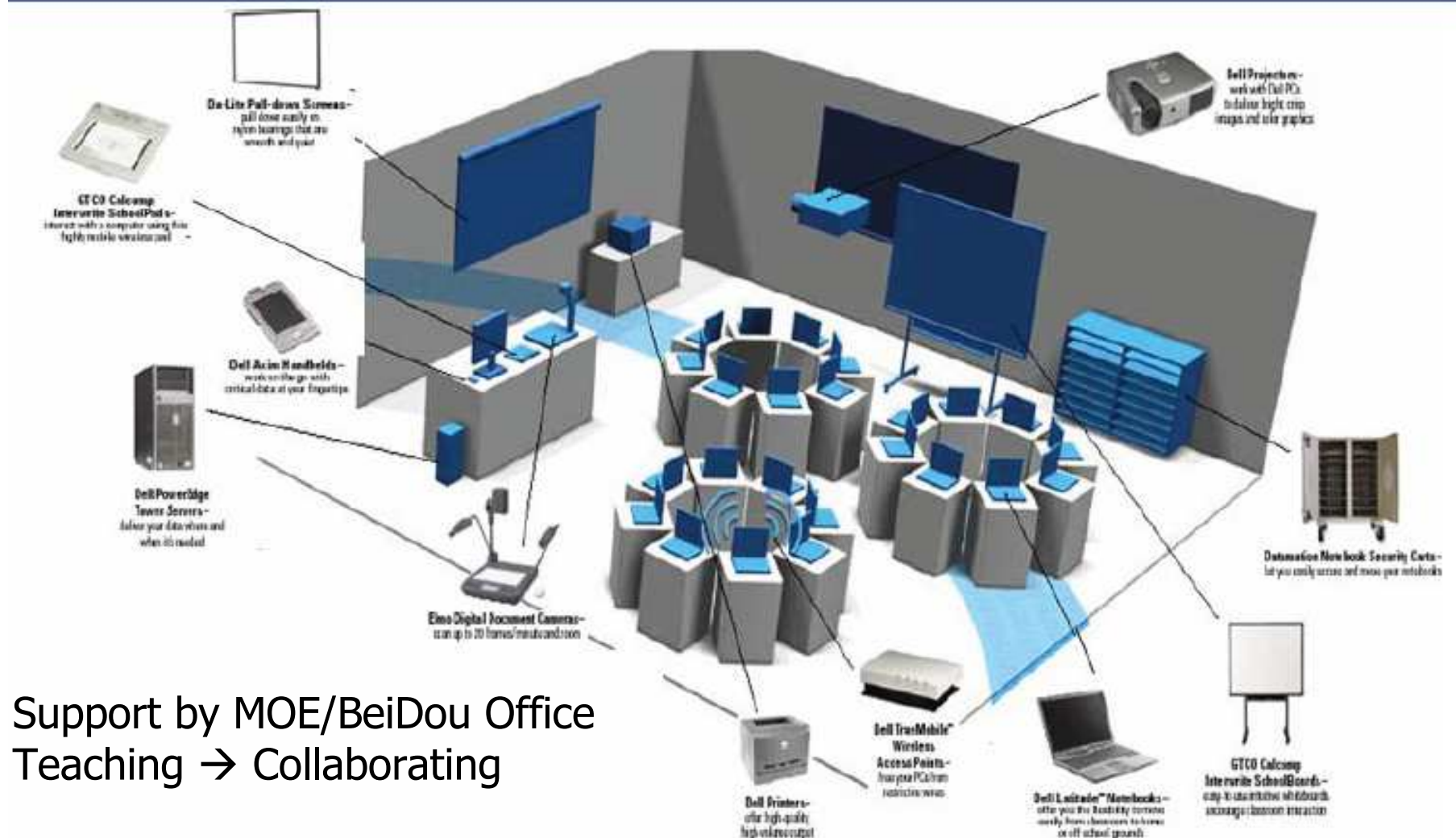
- Small-class-based of teaching
- Collaborating and Discussion
- Record/Replay
- Teacher Screen Broadcast
- Student Screen Monitor





# Capacity Building

## Concept Map of “Smart” classroom



# Conclusions

- Continuously push forward to the establishment of the New UN affiliated Regional Centre for Space Science Technology Education
- International Centre for GNSS Science Technology Education and ICG information centre as well is one important part of the New Centre
- Let's work together to promote the GNSS education and Applications and benefit more people



**Thanks  
for Your Attention!**



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