



International Education on Space

Application in China

中国的空间应用国际教育

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- 1. Background**
- 2. International Education on Space Science and Technologies**
- 3. Preliminary proposal for GNSS education**
- 4. Summary**



1. Background

Since 1992, Chinese government promote the multi-lateral cooperation in Asia-pacific area.

In September 2001, China proposed “establishing Asia-pacific space science & technology education center in China” and get the approve by the 6th Asia-pacific Space cooperation general assembly.



- In 2002, Office for Outer Space Affairs approve China establish the Space Science and Technology Education Center in Asia Pacific region.
- In 23, Nov. 2002, president of BeiHang University SHEN Shituan proposed to establish the Asia Pacific Space Science and Technology Education Center in BeiHang.

- In April 2004, the director of UNOOSA, Sergio Camacho write to Chinese National Space Agency to express support for establishing regional center for space science & technology application education, which should provide 9 months courses and capabilities for the short term training.
- In Dec. 2004, BeiHang University was approved to establish Master of Space Technology Application (MASAT) by Ministry of Education of China.

In Sep. 2006, Mr. Sergio Camacho, Director of Office for Outer Space Affairs visited Beihang University and its International School.



In December 2008, Asia-Pacific Space Cooperation Organization (APSCO) was established in Beijing.

In 16-17, Sep. 2010, APSCO held the 3rd meeting in Beijing.



2. International Education on Space Science and Technology

- Introduction
- Postgraduate class
- Short-term training
- Discipline configuration on GNSS
- R&D on GNSS
- Infrastructure and other

Introduction

1993

The first batch Int'l Students for master degree were enrolled in BUAA

1994

Chinese- Language Training Center was established

1999

Accept Int'l Students funded by China Scholarship Council

2004

International School was established

2007

BUAA International Students Scholarship was established

2008

Admit students on behalf of China Scholarship Council

Since 1993, more than 5,000 students from over 50 countries have been enrolled in BUAA, including more than 600 doctoral and master candidates. Over 300 have been awarded master or doctoral degrees.



- Bachelor (CHN)
- Bachelor (ENG)
- 4 years

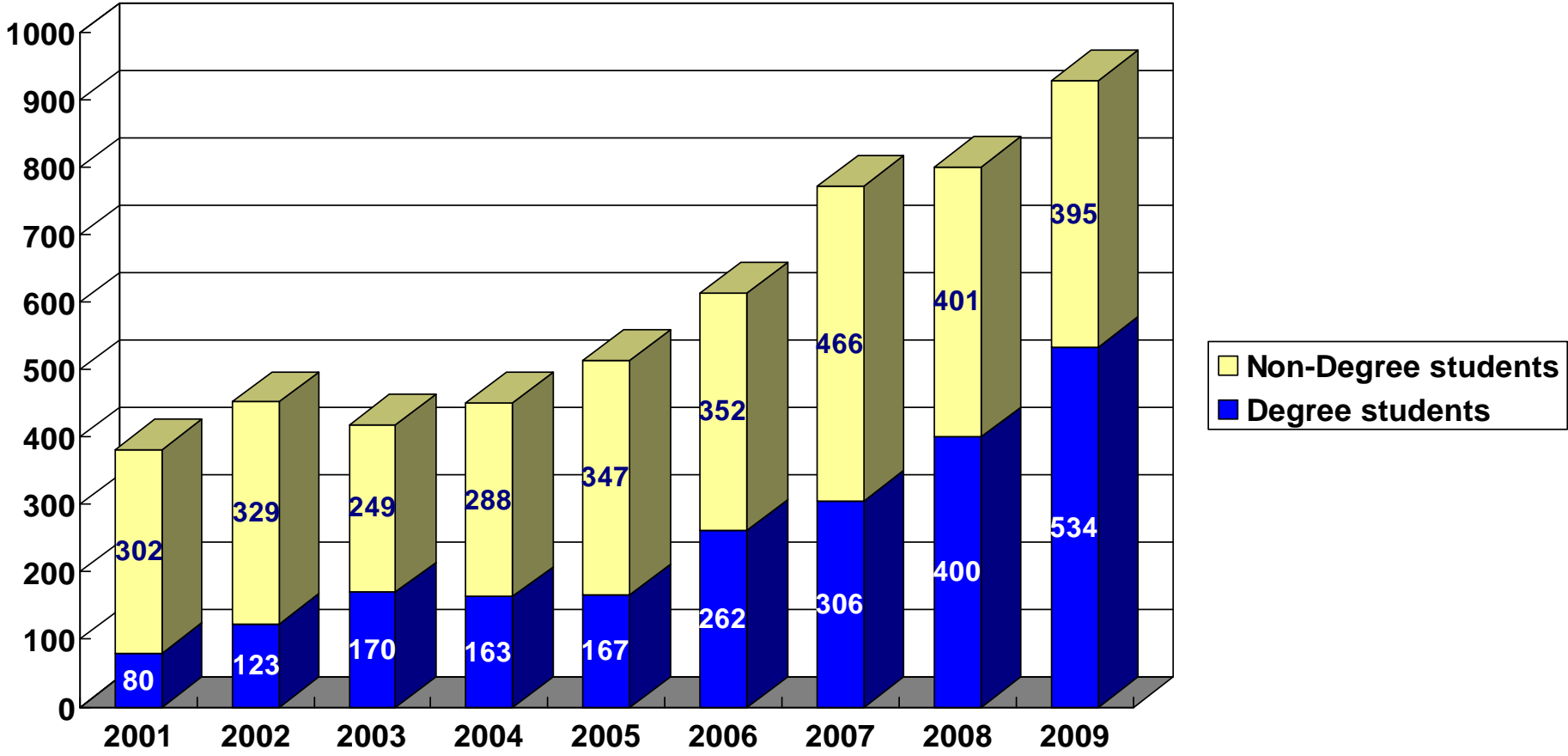
- Master's Degree
- 2-3 years

International Education

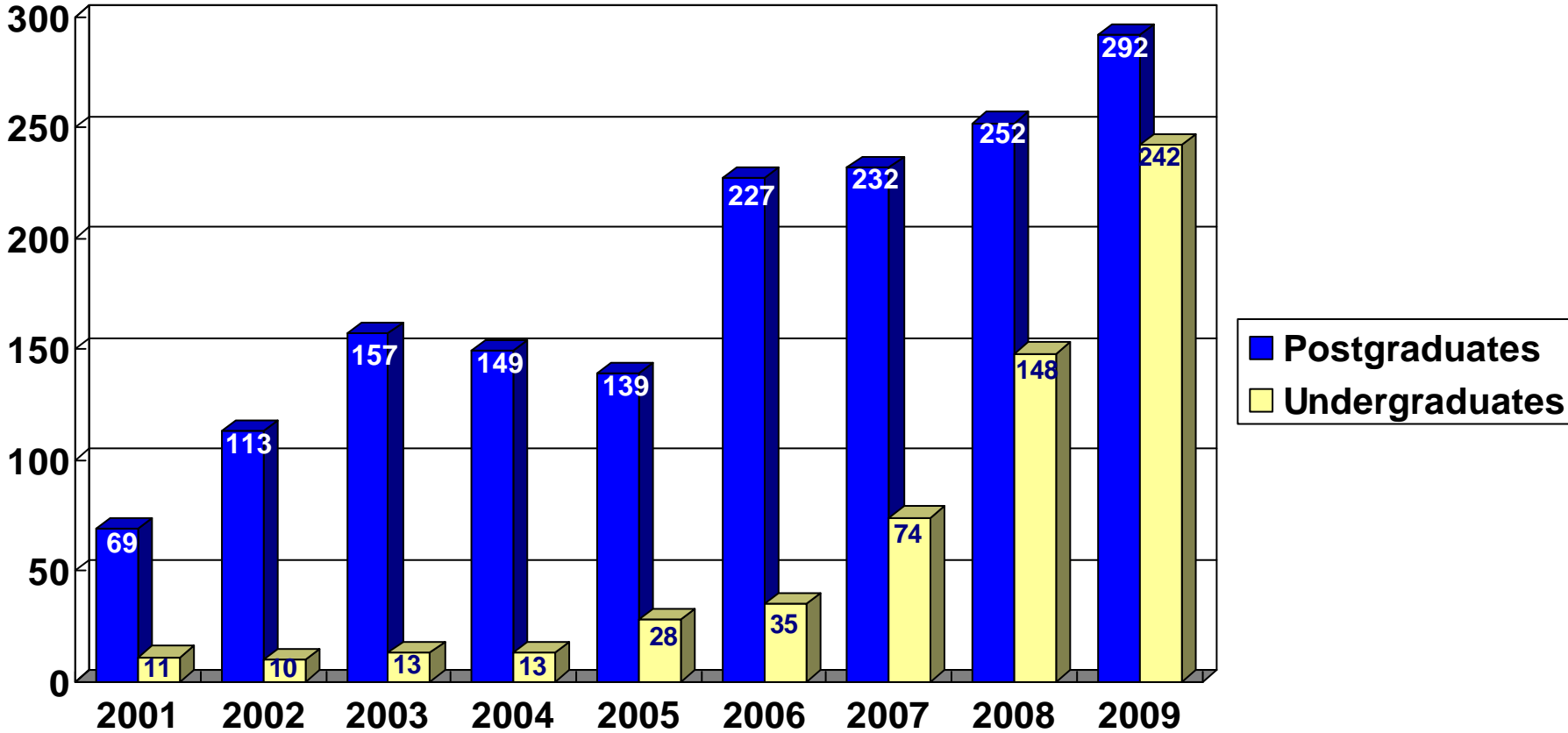
- Chinese Language Training
- Professional Training
- Summer Session

- Doctoral Degree
- 3-4 Years

Int'l Students number from 2001 to 2009



Students for different students between 2001 and 2009



Postgraduate class

- In July 2006, First postgraduate class was started. 14 students are from 7 countries such as Mongolia, Thailand, Indonesia, Iran, Pakistan, Bangladesh and Peru. All have finished the courses and most of them got the degree.



Ms. Alice Lee, Vice Director of Office for Outer Space Affairs attend the opening ceremony the MASTA2006

- In September 2008, 11 students are from Mongolia, Thailand, Indonesia and Pakistan. They have finished 9 months courses study in June 2009 and now entered into phase 2.
- In 26, Sep. 2010, 3rd class was open. 11 students from 5 countries, i.e. Pakistan, Peru, Indonesia, Thailand and Mongolia were enrolled.



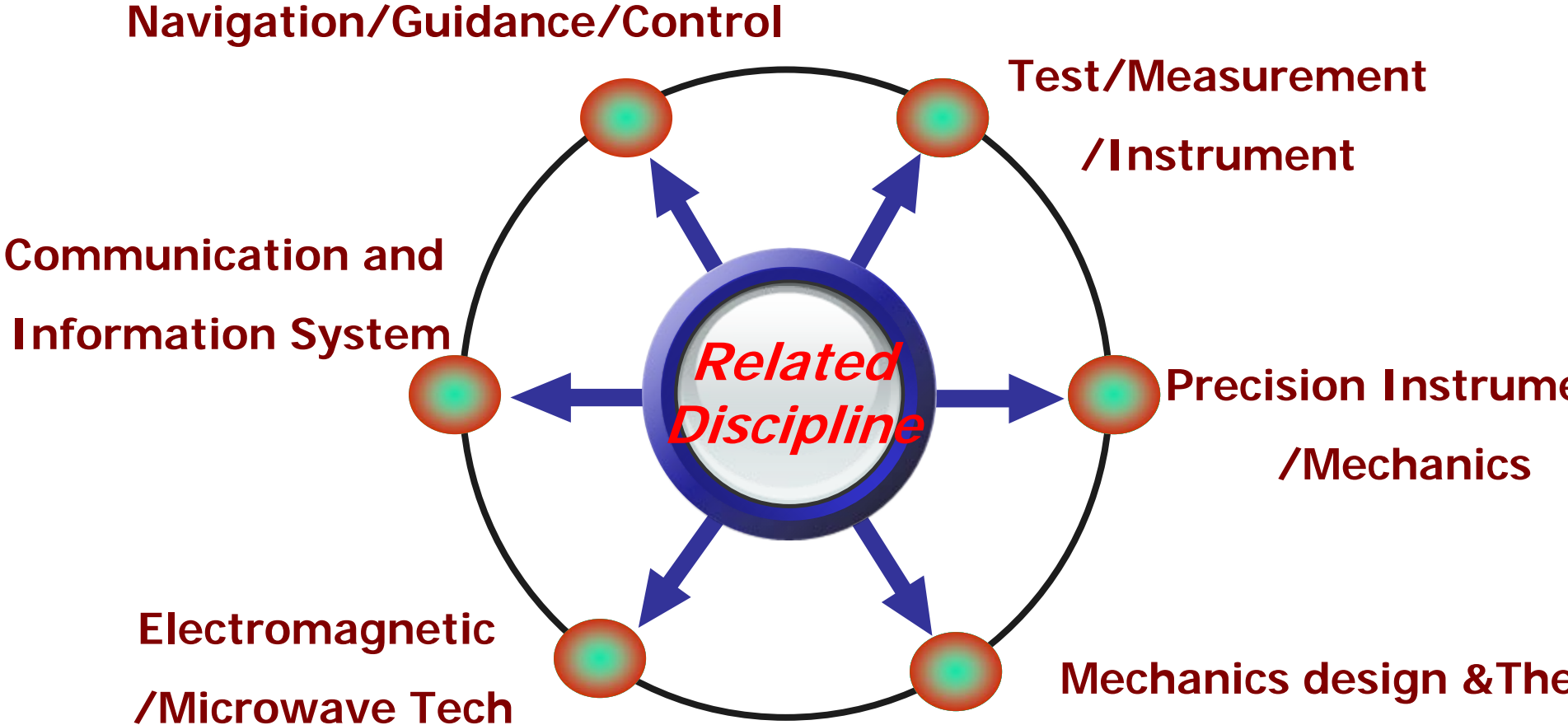
Short-Term Training

- From 2000 to 2010, Chinese held 5 short term training classes and 1 International Space University training program.

Time	Students	Countries	Period	Place
2000, July	22	11	2 weeks	China
2002, July	31	18	2weeks	China
2003, Nov.	29	17	4weeks	China
2007, June	117	25	2months	China
2009, May	42	7	2weeks	China
2010, June	15	7	2weeks	China

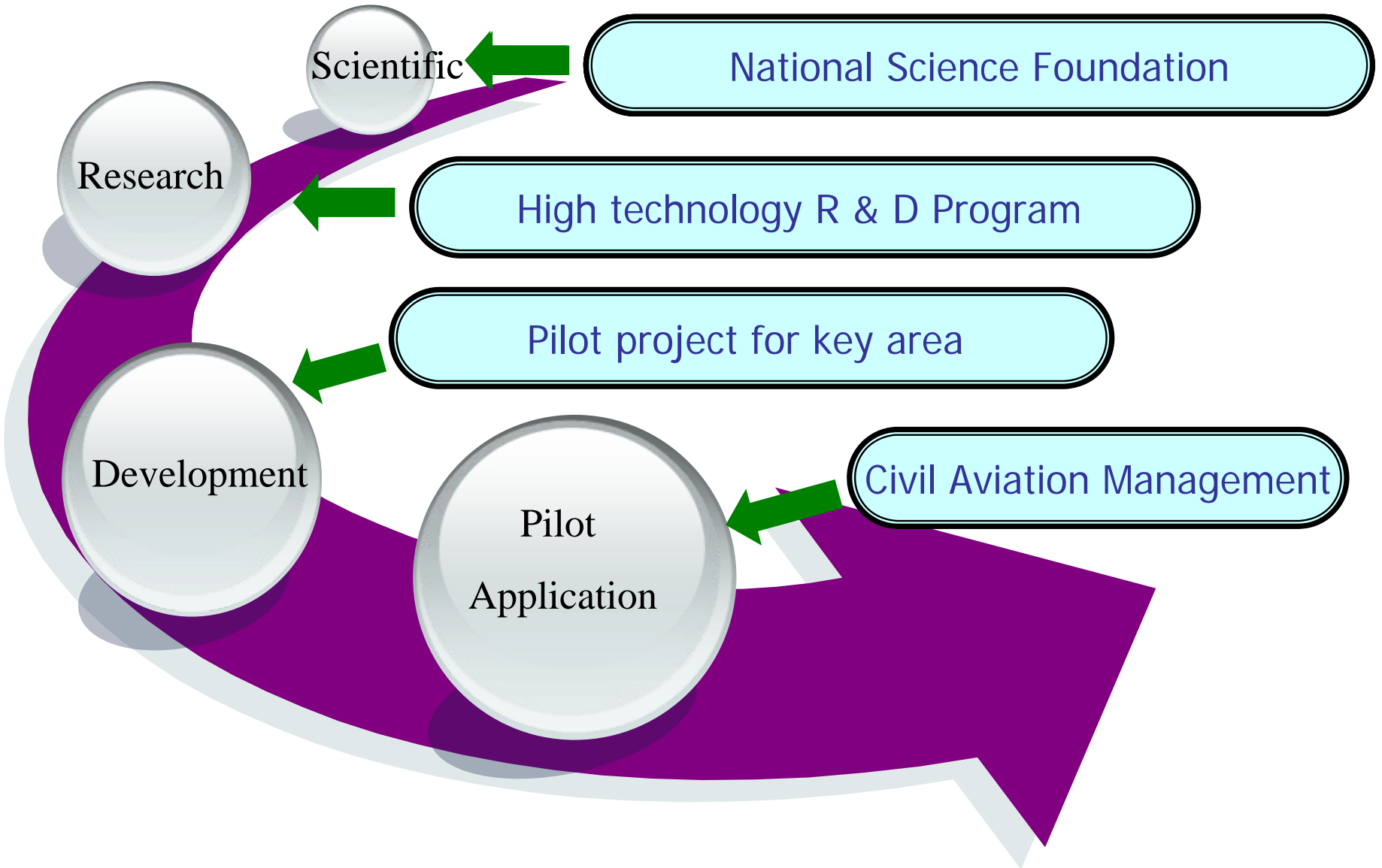


Discipline Configuration on GNSS

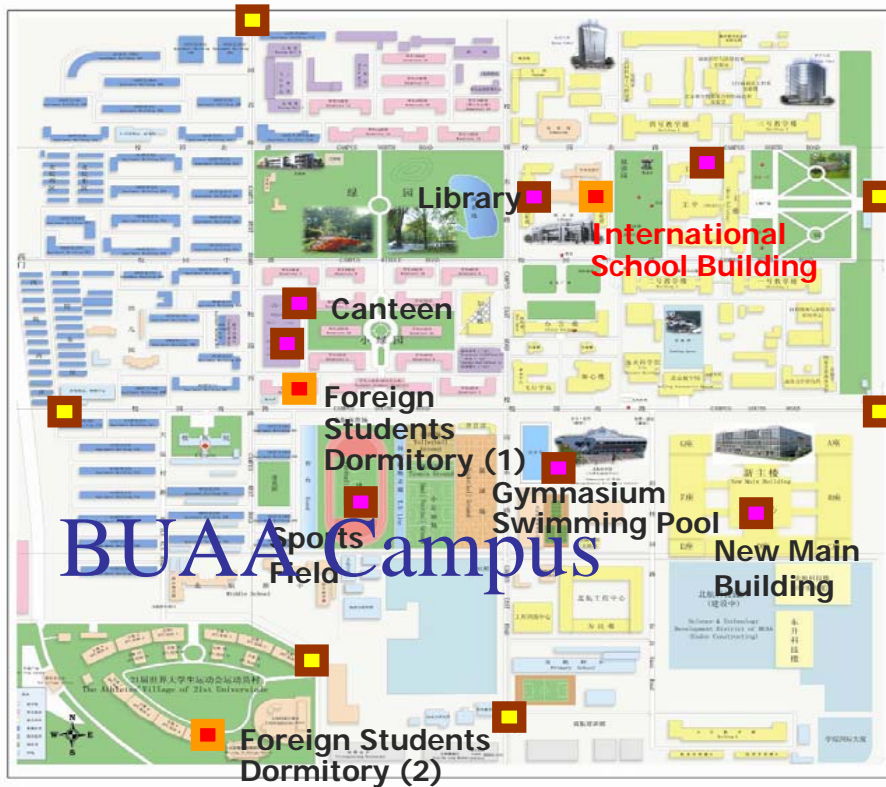


All of These are national level key Disciplines

R&D on GNSS



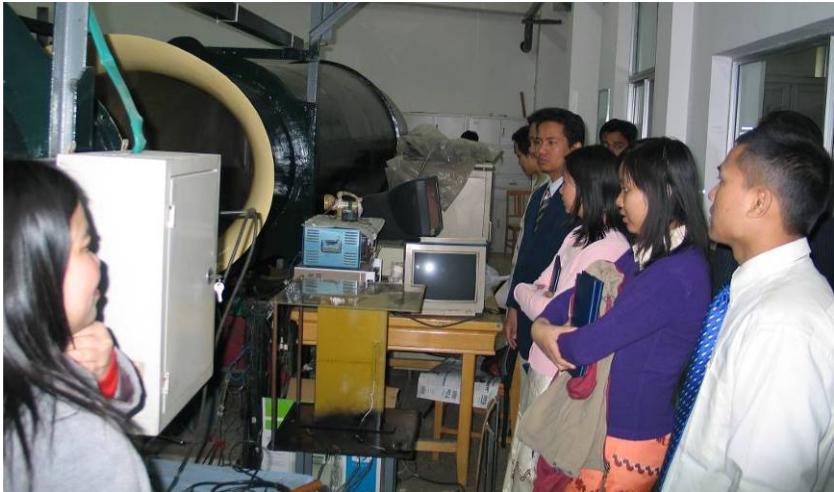
Facilities and accommodation



Classroom & Apartment for Int'l Students



Professional Labs



Life in Class and spare time



Academic & Social Activities



3. Preliminary proposal for GNSS education

Proposed Program

- Master Degree on GNSS (Courses+ Thesis)
- Senior management training program on GNSS
- Senior professional training program on GNSS
- Basic classes on GNSS (2-4 weeks)
- Training Program on GNSS(2-4 weeks)
- Distance learning classes on GNSS

Teaching Staff

- Teaching staff can be chosen by international recruitment or designation of APSCO Member States and Host institutions.
- According to teaching needs, APSCO- Education & Training Center will invite the professors, researchers and professionals on GNSS at domestic and abroad universities, research institutions and related enterprises as part-time lecturers.

Three funding channels proposed

- **Fund of APSCO**

According to the training and work plans of APSCO- Education & Training Center, APSCO provides an annual budget support.

- **Community Fund**

Establish the fund of education and training. Collect the social funds from enterprises, government, non-governmental organizations and other channels.

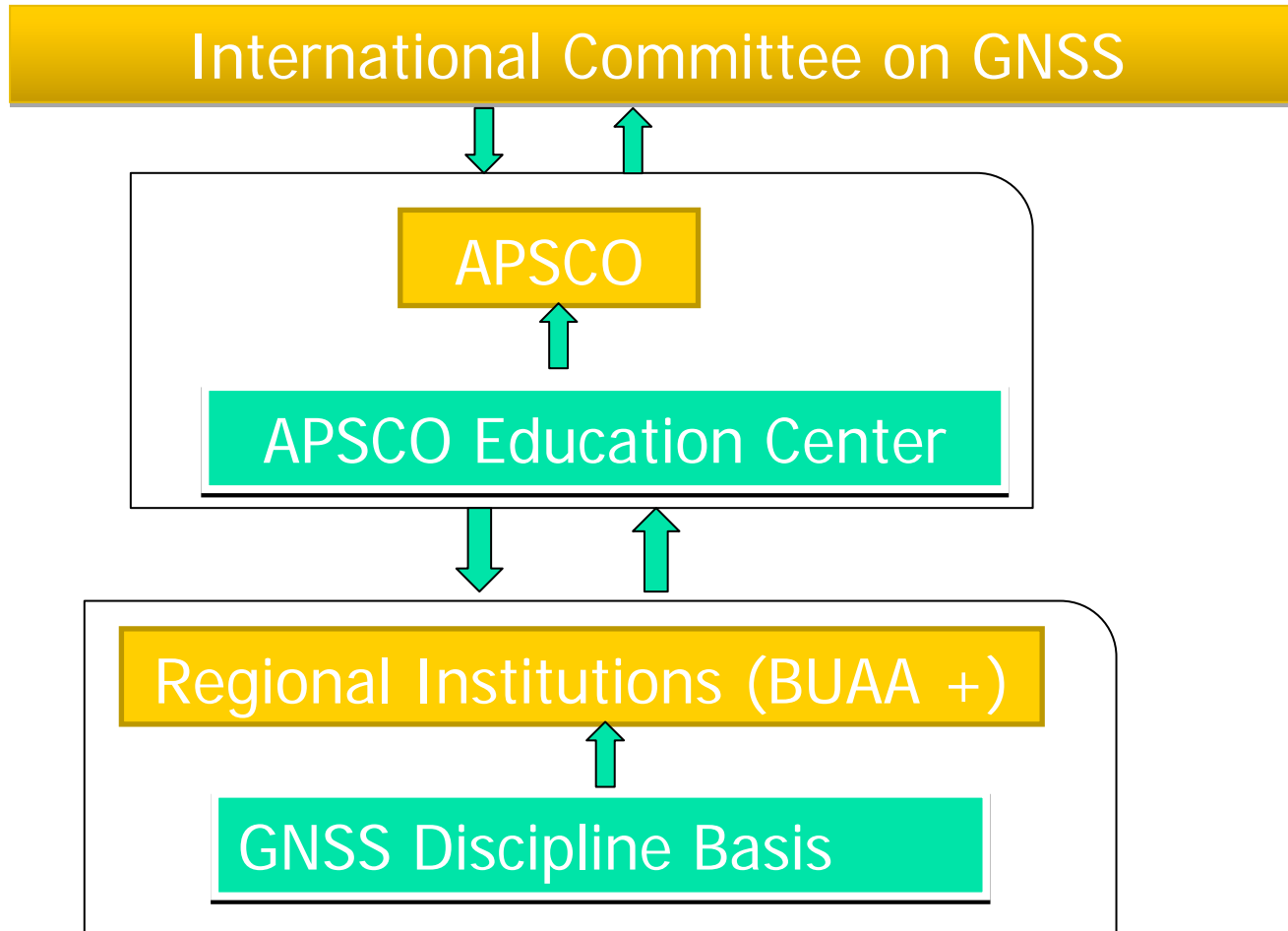
- **Fund of supporting units**

Host institutions offer the appropriate support in educational facilities and logistics and provide a certain amount of funding as the teaching expenditure.

4. Summary

- China is interested in become the ICG information center on GNSS.
- China has done some fundamental work on space technology education.
- China has good infrastructure for GNSS education

- **Integrate the APSCO education center into ICG information dissemination system.**



**Thanks for
your attention!**