

Introduction to the UN regional Centre at Beihang University, China

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- 1 Background
- 2 Major Work in 2015
- 3 Programs in 2016
- 4 Way Forward

Established in Nov.17, 2014 in Beijing







Ten Contracting Parties



Regional Centre for Space Science and Technology Education

in Asia and the Pacific (China) (Affiliated to the United Nations)

联合国附属空间科技教育亚太区域中心(中国)





















- The Establishment of RCSSTEAP: November 17, 2014
- Mission: Promoting the peaceful use of space technologies for the benefit of all humankind.
- Vision: Openness, Innovation, Inclusiveness
- Principle: Down to the Earth while Aiming High

2013.2

Application
Making a proposal at the 50th
session of Scientific and Technical
Subcommittee of UN COPUOS

2013.9

Passing Evaluation Mission by UNOOSA Expert Group (experts from Greece, India, Iran, Japan, Mexico, Pakistan)

2014.6

Attending the Director Meeting of UN-Regional Centres as an observer

2014.9

Organizing International Space Education Forum at the 65th International Astronautical Congress (IAC), Toronto

2014.11

The Inauguration Ceremony
The 1* Meeting of the Governing
Board

2013.6

Approved by the Subcommittee of COPUOS at the 56th session of COPUOS

2014.3

Approved by the State Council of China

2014.7

Organizing a training course for Morocco (CRASTE-LF)

2014.10

Signing agreements with contracting parties

Peru

Venezuela

Pakistan

Indonesia

搜索

News&Notice Home About us **Programs** Admissions Capacity Building Study Campus Life **Publications** Down to the Earth while Aiming High

> China www.rcssteap.org

Bolivia

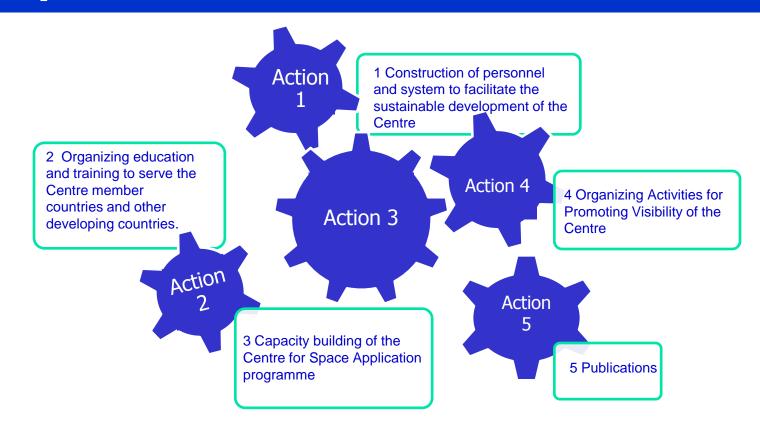
Bangladesh

Argentina

Algeria

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Work plan in 2015



RCSSTEAP Main Work in 2015

Jan.

Signed cooperation agreement with Shenzhou Institute of China Academy of Space Technology

Apr.

Training program on Satellite Navigation Technologies was held

Jun.

• "Painting Exhibition on China's Space Exploration in Vienna International Center

Jul.

• 25 postgraduates graduated and granted the Master's Degree on space technology applications

Aug.

• Recruited 42 postgraduates on space technology applications

Sept.

 Training programs on "Earth observation technologies for earthquake damage and loss assessment" and "Space law and policy" were held at Beihang University

Oct.

• "RCSSTEAP No.1" Micro-Satellite Project Initiative was officially launched

International Experts in 2015



Kclause Schilling Professor Germany



Niklas Hedeman Doctor UNOOSA



Armel Kerrest Professor France



Stephan Hobe Professor Germany



Renato Filjar Professor Croatia



Macabiau Christophe Doctor France



Zhao yun Professor Hong kong



Joanne abrynowicz Professor U.S.A



Andrea arringdon Doctor Canada



Ling Keck Voon Professor Singapore

Attended the SCTC meeting, UNCOPUS 2015



Painting Exhibitions in Vienna, June, 2015





Painting Exhibition on China's Space Exploration Flying with the wings of art

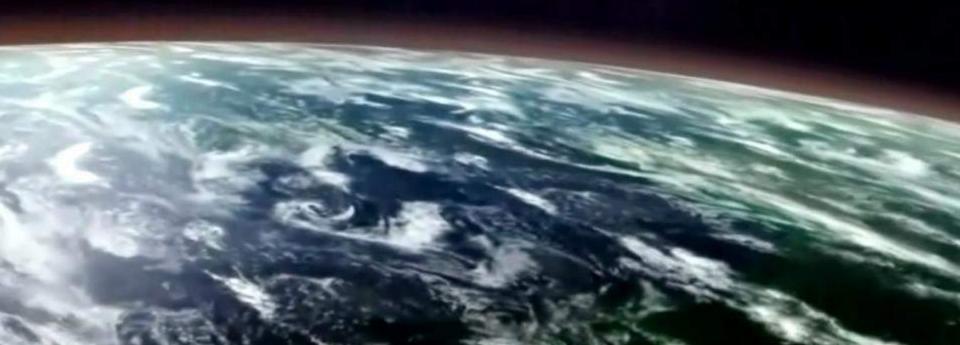
"让太空探索插上艺术的翅膀"中国航天成就绘画作品展

Total Concession And Administration and Concession and Concession

THE PERSONNEL PROPERTY.

艺术与科学是车之政轮、乌之政翼

Art and science is the wheels of the car and the two wings of a bird





Dr.Gong Haoqin



Mr. Ma Xinmin, Head of the Chinese delegation
requests the pleasure of your company at a Reception/Painting Exhibition at
Mozart Room, Vienna International Center
At 13:00 pm on Wednesday June 17, 2015





Map of UN-Regional Centres

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Postgraduate Degree Education Programs

- Global Navigation Satellite System (GNSS) -2016
- Remote Sensing and GIS (RS &GIS) -2016
- Space Law and Policy -2016

Doctoal Program on Space Technology Application

Applicants Total 73

Accepted Total 49

Training Procedures of **Master's program**

Phase I Course Study in China: 9 months (at Beihang University) (Leading to Course completion Certificate of Beihang University)							
Module I			Module II	Мо	Module III		
Common Platform Courses		Acade	r courses emic Lectures ssional visits	Pilot Project			
Phase II Thesis Research: 6-12 months (in China or home country) (Leading to Master's Degree in Engineering)							
Thesis Survey and Thesis Proposal	Midterm Assessment		Academic Activities	Thesis Research	Thesis Defense		

The degree programs begin in September each year.

Global Navigation Satellite System (GNSS)

Core Courses	Class Hrs.	_
GNSS Reference System	18	
Principle of Global Navigation Satellite Systems	32	- Syst
GNSS Navigation Signal	18	
GNSS Receiver Principles and Design	32	Heau
GNSS/INS Integration Navigation	32	- User
Global Satellite Navigation System Applications	18	Appl
Satellite Navigation Data Processing	32	πρρι
GNSS Experiment	18	- Opei
GNSS New Technologies	18	Эрсі

Duration:tem level9months + 1 year

09/2016 - 06/2018

User level

Applications level

Operational level

Capacity Building in GNSS









Experiment equipment

BeiDou Satellite Navigation System Exhibition Hall (Located at Beihang Aerospace Museum)

Remote Sensing and GIS (RS &GIS)

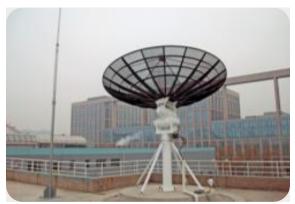
Core Courses	Class Hrs.
Remote Sensing Image Visual Interpretation	16
Geographic Information System: Theory and Application	48
Physical Principles of Remote Sensing	32
Introduction to Photogrammetry	18
Remote Sensing Image Processing and Software Application	48
Remote Sensing Test and validation Workshop	16
Case Studies in the Applications of RS & GIS	18
Geographic Information System: Design and Practice	32
Natural Disaster Remote Sensing	18

Duration:

9 months + 1 year

09/2016 - 06/2018

Capacity Building in RS&GIS



Ground Station for Remote Sensing

Satellite Data Receiving



Remote Sensing & Geographic Information System Lab



Distance Education & Video Conference Lab

Space Law and Policy -2016

Core Courses	Class Hrs.
Basic concepts of international law and space law	32
National Space Policy	16
National Space Legislation	32
Legal Issues related to RS&GIS	16
Legal Issues related to Satellite Communication	16
Legal Issues related to GNSS	16
Space commercialization and the development of Space Law	16
Policy and Legal Issues on Peaceful Use of Outer Space	4
Soft Law and new trend of Space Law	4
UNPSA and related legal Issues	4
Hot Topics on Space Technology Applications	4

Duration:

9 + 6 months

09/2016 - 12/2017

Space Law and Policy











Degree Program

MASTA **2013**























Short Training Program

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Way Forward

- Plan a joint action to contribute UNISPACE 50+ in 2018
- Development Book Series on Space Science, Technolgy and Law together with the UN Regional Centres and UNOOSA
- To prompt students/faculty exchange and teaching resource sharing among the UN Regional Centres
- To Build an online education environment for Space application education



Thank you for your attention

联合国附属空间科学与技术教育亚太区域中心(中国)

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