



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)

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Story

about the Centre

中心故事

联合国附属空间科技教育亚太区域中心（中国）
成立两周年纪念册（2014-2016）

Album of the Second Anniversary of RCSSTEAP

Preface

Regional Centre for Space Science and Technology Education in Asia and the Pacific (China) (RCSSTEAP), established on November 17, 2014, has been taking "Promoting the peaceful use of space technologies for the benefit of all humankind" as its honorable mission in continuously exploring and forging ahead with innovative development. Up to now, the Centre has 10 member states. The degree programs of the Centre include Master's Program and Doctoral Program in the fields of Remote Sensing and Geographic Information Systems, Satellite Communications, Global Navigation Satellite System, Micro-satellite Technology, Space Law and Policy. As for non-degree programs, a variety of excellent short training programs are held annually. And more than ten international experts have been invited to deliver lectures in the Centre. Furthermore, the Centre actively promoted the brand and capacity building in order to contribute to the enhancement of education and training level as well as abilities of space technology applications in member states of the Centre and other developing countries.

The Centre is continuously expanding cooperation and promoting exchanges with domestic and foreign enterprises, research institutions as well as other UN Regional Centres in an active way for its sustainable development and further strength. In addition, the representatives of the Centre take an active part in sessions of Committee on the Peaceful Uses of Outer Space (COPUOS) with closely tracking the space application development in science and technology as well as enlarging its influence. It is worth mentioning that in June, 2015, "Painting Exhibition on China's Space Exploration-Flying with the Wings of Art", well planned by the Centre, was successfully held in the Mozart Hall of Vienna International Centre, which was a bold attempt of combining science with art.

On the occasion of the First Advisory Committee Meeting of the Centre, this album, recording the development course of the Centre with pictures, is published to tell the story of the Centre to the world as well as in commemoration of its second anniversary.

Finally, it is grateful for the continuous support of UNOOSA, Chinese government, Beihang University, partners and other UN Regional Centres. The Centre will advance further development with heart adhering to the vision of "Openness, Innovation, and Inclusiveness".

序

中心自2014年11月17日成立至今,以“推动空间技术和平利用,造福人类”为使命,不断探索、锐意进取、创新发展。现成员国已发展至10个国家,开设有遥感与地理信息系统、卫星通信、卫星导航、小卫星技术、空间法律与政策五个专业方向的研究生培养项目,每年举办多期短期培训班,聘请十余名外籍专家到中心讲学,另外,中心积极推进能力和品牌建设,以期提升成员国及其他发展中国家空间科技教育培训水平和空间技术应用能力。

为了促进中心可持续发展,中心与国内外相关企业和科研院所,以及其他区域中心积极拓展合作与交流,促进中心做大做强。作为联合国的附属教育机构,中心代表积极参加联合国外空委相关会议,密切跟踪了解空间科技应用发展动态,扩大中心影响力,值得一提的是,2015年6月,中心策划的《让太空探索插上艺术的翅膀-中国航天成就绘画作品展》在维也纳联合国外空委总部莫扎特厅成功举办,这也是科学与艺术相融合的一次大胆尝试。

值此中心首届咨询委员会会议召开之际,我们编辑此本纪念册。记录中心成长的点点滴滴,用图画方式向世界讲述“中心”的故事,并以此纪念中心成立两周年。

最后,感谢联合国外空司、中国政府、中心依托单位北京航空航天大学、中心合作伙伴、其他区域中心和成员国一直以来的支持,中心将继续秉承“开放、创新、包容”的理念,不忘初心,继续前行!

Contents 目录

- 1 Reception Wall
中心欢迎你
- 2 Vision of RCSSTEAP
中心理念
- 3 About RCSSTEAP
关于我们
- 4 Governing Board of RCSSTEAP
中心理事会
- 5 Affiliated to the United Nations
附属于联合国的含义
- 6 Postgraduate(PSG) Programs
研究生教育项目
- 7 Partners
合作伙伴
- 8 Professional/Technical Visits
专业参观
- 9 Graduation Ceremonies
毕业典礼
- 10 Short Training Programs
短期培训项目
- 11 Extracurricular Activities
课外活动
- 13 COPUOS Sessions
外空委会议
- 14 Exchanges with Other UN Regional Centres
与其他区域中心交流
- 15 International Exchanges
国际交流
- 16 Initiative Activities
原创活动
- 17 Degree Programs and Short Training Programs 2015-2016
2015-2016年教育与培训项目
- 20 Brand Promotion
品牌推广



1. Reception Wall



2. Vision of RCSSTEAP



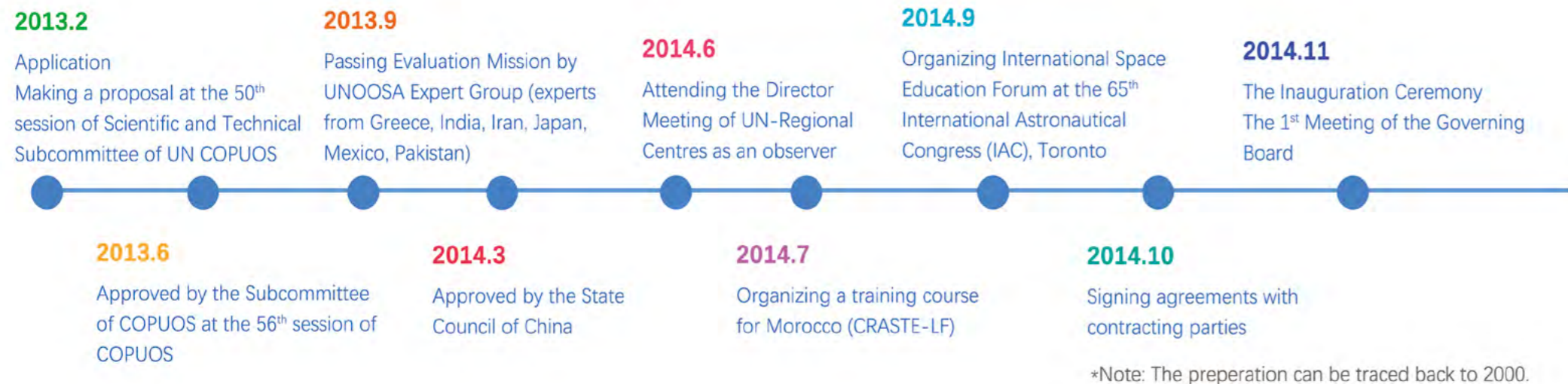
开放 创新 包容

Openness Innovation Inclusiveness



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)



- 历时10余年筹备，中心于2014年11月17日正式成立，现成员国已发展至10个国家。中心以“推动空间技术和和平利用，造福人类”为使命。 With more than ten years preparation, RCSSTEAP was established on November 17, 2014. Presently, the Centre has 10 Member States. The Centre adheres to “Promoting the peaceful use of space technologies for the benefit of all humankind” as its mission.

Name List of the Governing Board Members

	Xu Dazhe Chairperson China	Administrator of China National Space Administration (CNSA)
	Houari Karim Member Algeria	Director of International Cooperation of Algerian Space Agency (ASAL)
	Felix Menicocci Member Argentina	Secretary General of Argentina National Commission of Space Activities
	Md. Dilwar Bakht Member Bangladesh	Chairman of Bangladesh Space Research and Remote Sensing Centre
	Jaime Antonio Mendoza Gonzales Member Bolivia	Space Segment Enginee of Bolivian Space Agency (ABE)
	Jose Raimundo Braga Coelho Member Brazil	President of Brazilian Space Agency (AEB)
	Thomas Djamaluddin Member Indonesia	Head of National Institute of Aeronautics and Space (LAPAN)
	Imran Iqbal Member Pakistan	Member of Pakistan Space and Upper Atmosphere Research Commission (SUPARCO)
	Jose Julio Cesar Humberto Acuña Member Peru	Representative of National Commission on Aerospace Research and Development (CONIDA) of the Republic of Peru
	Victor Cano Member Venezuela	President of Bolivarian Agency for Space Activities of Venezuela (ABAE)

Name List of the Representatives of Observers

	Simonetta Di Pippo Director UNDOSA	Director of the United Nations Office for Outer Space Affairs (UNOOSA)
	Li Xinjun Secretary General APSCO	Secretary General of Asia-Pacific Space Cooperation Organization (APSCO)

Director of the Advisory Committee

	Xu Huibin President Beihang University	President of Beihang University
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The 1st GB Meeting, Nov 17, 2014



The 2nd GB Meeting, Nov.28, 2015

- 中心理事会成员、观察员和咨询委员会主任名单。

5. Affiliated to the United Nations



Mr. Sergio CAMACHO, Ms. Mazlan Othman and Ms. Simonetta Di Pippo once visited Beihang University during their time in office and all spoke highly of Beihang University. A cooperative agreement was signed with the United Nations which stated that the United Nations would cooperate with the Centre by providing expert advice, educational curricula, technical support, necessary documentation and other appropriate support.



Mr. Sergio CAMACHO
Former Director of UNOOSA

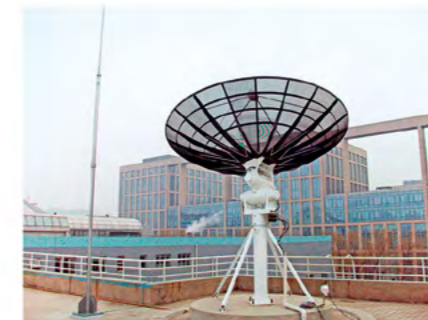


Ms. Mazlan Othman
Former Director of UNOOSA



Ms. Simonetta Di Pippo
Term of office: 2015-Present
Director of UNOOSA

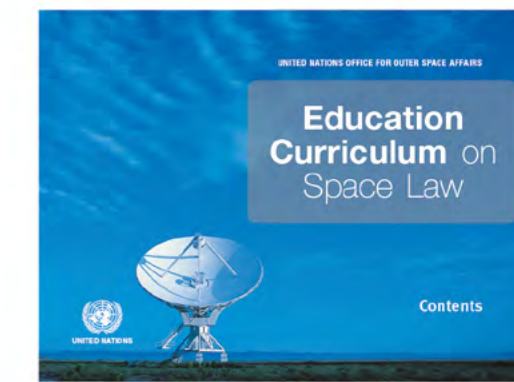
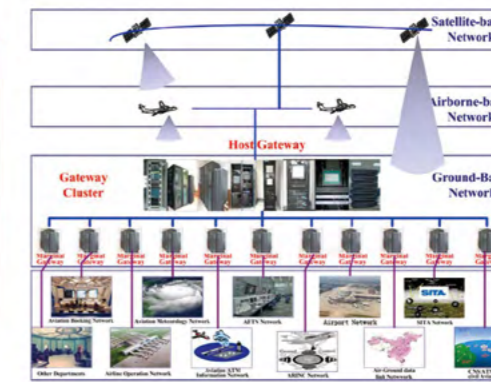
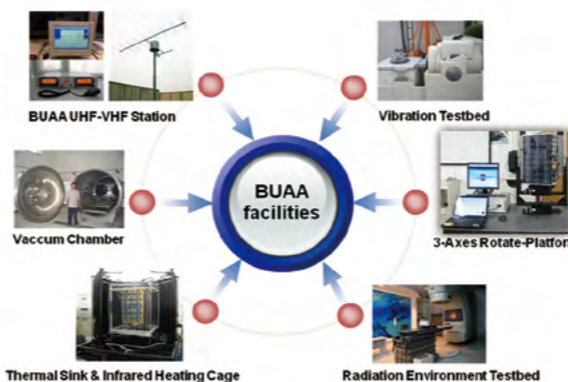
6. Postgraduate(PSG) Programs



RS&GIS



GNSS



Historic Moments in the Process of Application

- 2014年11月，中国政府代表国家航天局局长许达哲先生与外空司司长迪皮蓬女士正式签署合作协议。
In November, 2014, Mr. Xu Dazhe, Administrator of China National Space Administration (CNSA) and Ms. Simonetta Di Pippo, Director of UNOOSA, signed the Cooperation Agreement between the United States and the Centre.

Micro-Satellite Technology

SATCOM

Space Law and Policy

- 中心已开设有遥感与地理信息系统、卫星通信、卫星导航、小卫星技术、空间法律与政策五个专业方向的研究生培养项目。
The Centre offers master and doctoral programs in the field of remote sensing and geographic information systems, satellite communications, global navigation satellite system, micro-satellite technology, space law and policy.



中国航天

China Academy of Space Technology

China Centre for Resources Satellite Data and Application

Shanghai Academy of Spaceflight Technology

China Academy of Launch Vehicle Technology



BeiDou Navigation Satellite System

UniStrong
合众思壮

Beijing UniStrong Co., Ltd.



Beijing BDSat Navigation Co., Ltd.

ChinaRS 中科遥感

ChinaRS Geoinformatics Co., Ltd.



Beijing Aerospace TITAN Technology Co., Ltd.



Twenty First Century Aerospace Technology Co., Ltd.



APSCO
ASIA-PACIFIC SPACE COOPERATION ORGANIZATION



民政部国家减灾中心
NATIONAL DISASTER REDUCTION CENTRE OF CHINA



UN-SPIDER
Beijing Office



International Centre on Space Technologies for Natural and Cultural Heritage under the auspices of UNESCO

中国科学院国家空间科学中心
National Space Science Center . CAS



National Satellite Meteorological Center



Institute of Remote Sensing and Digital Earth



National Astronomical Observatories Chinese Academy of Sciences



National Time Service Center

• 中心以“开放、创新、包容”为理念，不断扩大合作、创新发展。

The Centre, sticking to the vision of "Openness, Innovation, and Inclusiveness", is continuously expanding cooperation with innovative development.



• 中心不定期组织学员前往相关科研机构、企业参观，实现“产学研”优势最大化。

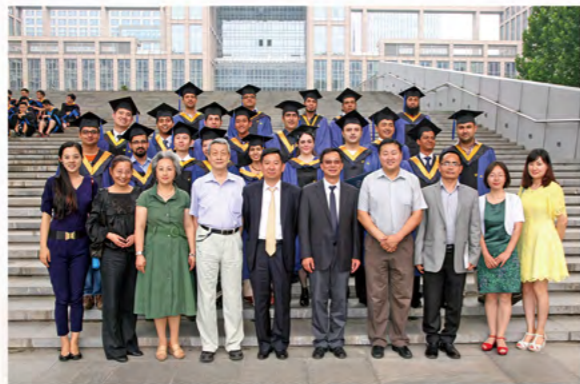
Professional/Technical visits to relevant research institutions and enterprises are organized by the Centre to maximize the advantages of industry-university-research cooperation.

9. Graduation Ceremonies



MASTA
2012

MASTA
2013



DOCSTA
2013
MASTA
2014



10. Short Training Programs



March 2016-RS&GIS

April 2015-GNSS

• 历届学生毕业典礼
The previous graduation ceremonies.

• 本着资源共享、提高效率、合作共赢的原则，中心定期与UN-SPIDER、APSCO等联合举办短期培训班。
Short training programs are jointly organized by the Centre, UN-SPIDER, APSCO on the principle of resource sharing, efficiency promotion and win-win cooperation.

11. Extracurricular Activities



• 为丰富学生校园生活，促进不同文明交流，中心定期举办校园国际文化节等品牌活动，实现文明互鉴、多元融通。
The Centre regularly holds extracurricular activities like International Cultural Festival to enrich students' life and enhance exchanges among different civilizations with tolerance and mutual understanding.

13. COPUOS Session



为密切跟踪了解空间科技与应用发展动态，推动中心发展，中心代表积极参加外空委相关会议，并为促进空间技术和和平利用建议献策。
 In order to closely track and comprehend the development of space technology, promote the development of the Centre, representatives of the Centre actively participate in sessions of COPUOS and put forward proposals to promote the peaceful use of outer space.

14. Exchanges with Other UN Regional Centres



Map of UN Regional Centres

中心代表分别于2014年7月、2016年1月、2016年8月与摩洛哥区域中心、印度区域中心、尼日利亚区域中心展开短期培训与交流。
 Representatives of the Centre visited CRASTE-LF in Morocco in July, 2014, CSSTEAP in India in January, 2016 and ARCSSTE-E in Nigeria in August, 2016 respectively for exchanges and cooperation on short training programs.



3rd China International Satellite Service Business Matching and Microsatellite Commercialization Forum



Conference among the Belt and Road Countries about BDS Services



UNESCO Delegation



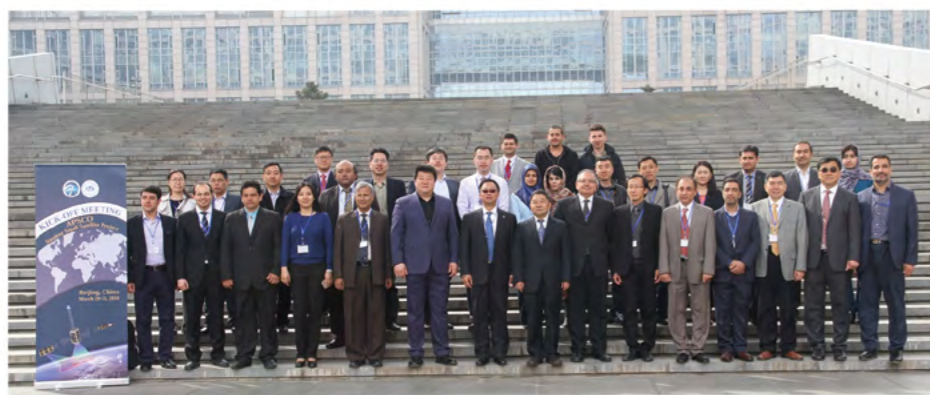
Egyptian Delegation



Venezuelan Space Agency Delegation



Workshop on Space Law



Kick-off Meeting of APSCO Student Small Satellite Project



UNESCO Delegation

- 中心积极与印度、委内瑞拉等世界各国开展交流活动，不断扩大中心影响力和知名度。
The Centre is actively carrying out international exchanges with other countries in the world like India, Venezuela and the like for its brand promotion.



Dr. Weng Jingnong

Executive Director of Regional Centre for Space Science and Technology Education in Asia and the Pacific (China) (RCSSTEAP), Dean of International School, Beihang University.



Dr. Gong Haoqin

Teacher of Department of Industrial Design, Beihang University .
Graduated from Academy of Arts & Design, Tsinghua University.

International Space Education Forum



65th International Astronautical Congress



NEW ARMILLA
乳衡拱辰仪

Made in 1744 for the purpose of determining true solar time as well as the right ascension difference and declination of celestial bodies.
制于清代乾隆九年（公元1744年），主要用于测定真太阳时，天体的赤经差和赤纬。

On September 29, 2014, Beihang University and Chinese Society of Astronautics jointly planned and launched the Global Networking Forum (GNF) on International Space Education for the 65th International Astronautical Congress (IAC). The theme of GNF was "International Space Education Change and Challenge"

- 为推动中心教育培训和打造“航天”文化品牌双轮驱动，2014年9月，中心执行主任翁敬农博士在国际宇航大会上首次发起“国际空间教育论坛”，受到一致好评。2015年6月，北航工业设计系宫浩钦博士的《让太空插上艺术的翅膀—中国航天成就绘画作品展》在维也纳联合国外空委总部莫扎特厅成功举办。

The Centre aims at promoting education and training while forging cultural space brand. In September, 2014, Deputy Director Dr. Weng Jingnong launched Global Networking Forum (GNF) on International Space Education for the 65th International Astronautical Congress (IAC) with well received. In June 2015, "Painting Exhibition on China's Space Exploration - Flying with the Wings of Art" by Dr. Gong Haoqin, the associate professor of department of Industrial Design, Beihang University, was successfully held in the Mozart Hall of Vienna International Centre.

Degree Programs in 2015

Master's Program

Research Direction	Number	Countries of Participants
Global Navigation Satellite System (GNSS)	6	Algeria, Indonesia, Pakistan, Bangladesh, Mozambique
Remote Sensing and Geographic Information Systems (RS&GIS)	7	Algeria, Bolivia, Bangladesh, Mongolia, Thailand, Laos
Basic Space Science and Technology (Micro-satellite Technology)	10	Mongolia, Peru, Pakistan, Bangladesh, Brazil, Turkey, Venezuela

Participants in total: 23

Doctoral Program

Research Direction	Number	Countries of Participants
Space Technology Applications	10	Iran, Mongolia, Peru, Thailand, Pakistan, Venezuela

Short Training Programs in 2015

Date	Topic	Number	Countries of Participants
Apr.19-29	Global Navigation Satellite Technology and Application	43	Algeria, Bolivia, Brazil, China, Croatia, Indonesia, Laos, Mongolia, Myanmar, Nigeria, Pakistan, Peru, Slovakia, Thailand, Turkey, Venezuela
Sept.14-22	Remote Sensing Technology and Application	30	Algeria, Bangladesh, Bhutan, Brazil, China, Ethiopia, Indonesia, Iran, Oman, Pakistan, Peru, Mongolia, Mozambique, Myanmar, Nigeria, Saudi Arabia, Singapore, Thailand, Turkey, Venezuela
Sept.17-25	Space Law and Policy	38	Bangladesh, Bolivia, Brazil, China, Egypt, Indonesia, Mongolia, Pakistan, Peru, Thailand, Turkey, Venezuela

Participants in total: 111

2015年教育与培训项目

硕士研究生项目

专业方向	人数	生源国
卫星导航	6	阿尔及利亚、印度尼西亚、巴基斯坦、孟加拉国、莫桑比克
遥感与地理信息系统	7	阿尔及利亚、玻利维亚、孟加拉国、蒙古、泰国、老挝
基础空间科学与技术(微小卫星技术)	10	蒙古、秘鲁、巴基斯坦、孟加拉国、巴西、土耳其、委内瑞拉

合计: 23人

博士研究生项目

专业方向	人数	生源国
空间技术应用	10	伊朗、蒙古、秘鲁、泰国、巴基斯坦、委内瑞拉

短期培训项目

时间	培训专题	人数	国籍
4月19-29日	卫星导航技术与应用	43	阿尔及利亚、玻利维亚、巴西、中国、克罗地亚、印度尼西亚、老挝、蒙古、缅甸、尼日利亚、巴基斯坦、秘鲁、斯洛伐克、泰国、土耳其、委内瑞拉
9月14-22日	遥感技术与应用	30	阿尔及利亚、孟加拉国、不丹、巴西、中国、埃塞俄比亚、印度尼西亚、伊朗、阿曼、巴基斯坦、秘鲁、蒙古、莫桑比克、缅甸、尼日利亚、沙特阿拉伯、新加坡、泰国、土耳其、委内瑞拉
9月17-25日	空间法律与政策	38	孟加拉国、玻利维亚、巴西、中国、埃及、印度尼西亚、蒙古、巴基斯坦、秘鲁、泰国、土耳其、委内瑞拉

合计: 111人

Degree Programs in 2016

Master's Program

Research Direction	Number	Countries of Participants
Global Navigation Satellite System (GNSS)	11	Algeria, Bolivia, Brazil, Croatia, Iran, Nigeria, Peru, Thailand, Ukraine, Venezuela
Remote Sensing and Geographic Information Systems (RS&GIS)	15	Algeria, Bangladesh, Bolivia, Indonesia, Iran, Mongolia, Pakistan, Peru, Thailand, Turkey, Venezuela
Space Law and Policy	10	Bolivia, Mongolia, Nigeria, Pakistan, Thailand, Turkey, Venezuela

Participants in total: 36

Doctoral Program

Research Direction	Number	Countries of Participants
Space Technology Applications	13	Bangladesh, Iran, Indonesia, Mongolia, Myanmar, Nigeria, Thailand, Pakistan, Venezuela

2016年教育与培训项目

硕士研究生项目

专业方向	人数	生源国
卫星导航	11	阿尔及利亚、玻利维亚、巴西、克罗地亚、伊朗、尼日利亚、秘鲁、泰国、乌克兰、委内瑞拉
遥感与地理信息系统	15	阿尔及利亚、孟加拉国、玻利维亚、印度尼西亚、伊朗、蒙古、巴基斯坦、秘鲁、泰国、土耳其、委内瑞拉
基础空间科学与技术(微小卫星技术)	10	蒙古、秘鲁、巴基斯坦、孟加拉国、巴西、土耳其、委内瑞拉

合计: 36

博士研究生项目

专业方向	人数	生源国
空间技术应用	13	伊朗、蒙古、秘鲁、泰国、巴基斯坦、委内瑞拉

Short Training Programs in 2016

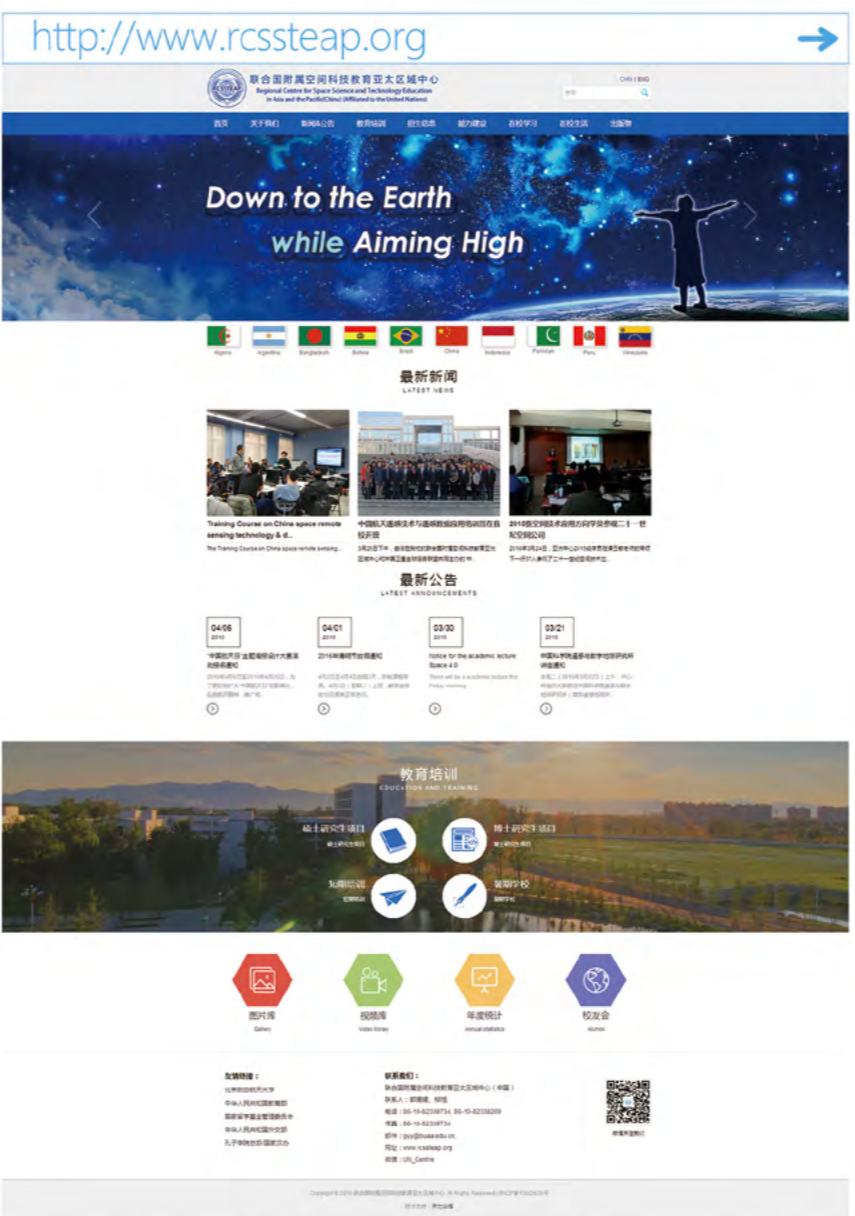
短期培训项目

Date	Topic	Number	Countries of Participants	时间	培训专题	人数	国籍
Mar. 26-30	China Remote Sensing Technology and Data Applications	46	Algeria, Bangladesh, Bolivia, Brazil, Indonesia, Iran, Laos, Mongolia, Mozambique, Nigeria, Pakistan, Peru, Slovakia, Thailand, Venezuela	3月26-30日	中国航天遥感技术与遥感数据应用	46	阿尔及利亚、孟加拉国、玻利维亚、巴西、印度尼西亚、伊朗、老挝、蒙古、莫桑比克、尼日利亚、巴基斯坦、秘鲁、斯洛伐克、泰国、委内瑞拉
May. 8-20	International GNSS Seminars "GNSS Courses for curious minds"	31	Algeria, Bangladesh, Bolivia, Brazil, China, Iran, Mozambique, Nigeria, Pakistan, Peru, Saudi Arabia, Thailand, Venezuela	5月8-20日	国际卫星导航技术研讨班—“卫星导航求知之路”	31	阿尔及利亚、巴基斯坦、孟加拉国、莫桑比克、委内瑞拉、泰国、伊朗、玻利维亚、尼日利亚、秘鲁、巴西、沙特、中国
Jul. 11-30	Beidou Technology and its Applications	37	Cambodia, Egypt, Iran, Iraq, Malaysia, Mongolia, Morocco, Nigeria, Oman, Pakistan, South Africa, Thailand, Uganda, Venezuela, Zambia	7月11-30日	“北斗技术与应用”国际培训班	37	柬埔寨、埃及、伊朗、巴基斯坦、埃及、阿曼、柬埔寨、伊朗、伊拉克、马来西亚、蒙古、摩洛哥、尼日利亚、阿曼、巴基斯坦、南非、泰国、乌干达、委内瑞拉、赞比亚
Aug. 8-13	Global Navigation Satellite Systems	83	Cameroon, Ghana, Kenya, Libya, Nigeria, Sudan, Tanzania	8月8-13日	全球卫星导航系统	83	喀麦隆、加纳、肯尼亚、利比亚、尼日利亚、苏丹、坦桑尼亚
Sept. 22-27	Space-based Technologies for Flood and Drought Monitoring Risk Assessment	28	Bangladesh, Ghana, Guatemala, India, Iran, Italy, Kyrgyzstan, Mongolia, Mozambique, Nepal, Nigeria, Pakistan, Peru, Sudan, Thailand, Trinidad and Tobago, Turkey, Zimbabwe	9月22-27日	空间技术用于旱涝检测和风险评估	28	孟加拉国、加纳、危地马拉、印度、伊朗、意大利、吉尔吉斯斯坦、蒙古、莫桑比克、尼泊尔、尼日利亚、巴基斯坦、秘鲁、苏丹、泰国、特立尼达和多巴哥、土耳其、津巴布韦
Oct. 14-16	The "Belt and Road Initiative" Spatial Information Corridor Engineering Application	45	Algeria, Bangladesh, Bolivia, Brazil, Croatia, Indonesia, Iran, Laos, Mongolia, Nigeria, Pakistan, Peru, Thailand, Turkey, Ukraine, Venezuela	10月14-16日	“一带一路”空间信息走廊工程应用	45	阿尔及利亚、孟加拉国、玻利维亚、巴西、克罗地亚、印度尼西亚、伊朗、老挝、蒙古、尼日利亚、巴基斯坦、秘鲁、泰国、土耳其、乌克兰、委内瑞拉
Oct. 31-Nov.8	Navigation and Positioning Satellite System Design	31	Algeria, Bangladesh, China, Indonesia, Iran, Laos, Mongolia, Mozambique, Pakistan, Peru, Thailand, Turkey	10月31日-11月8日	导航与定位卫星系统设计	31	阿尔及利亚、孟加拉国、中国、印度尼西亚、伊朗、老挝、蒙古、莫桑比克、巴基斯坦、秘鲁、泰国、土耳其

Participants in total: 301

合计：301人

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