Regional Centre for Space Science and Technology Education in Asia and the Pacific (China)

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中心故事

联合国亚太空间科技教育中心成立两周年纪念册（2014-2016）
Preface

Regional Centre for Space Science and Technology Education in Asia and the Pacific (RCOSTEP), established on November 4, 2014, has been taking “Promoting the universal 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 11 Member States. The degree programs of the Centre in India’s Madras Institute of Technology and Downward Program in the field of Remote Sensing and Geospatial Information Systems, Telecommunications, Global Navigation Satellite System, Metro-satellite Telecommunication, Space Law and Policy, etc. As for non-degree programs, a variety of exchange student training programs and exchange programs have held annually. More than a hundred international experts have been invited to deliver lectures in the Centre. Furthermore, the Centre actively promoted the training and capacity building in order to contribute to the enhancement of education and training level as well as the 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 Centre Regional Offices in an active way so its sustainable development and further growth. In addition, the representatives of the Centre take an active part in sessions of Committee on the Pacific’s Use of Outer Space (CPOUS) with actively taking the space application development in science and technology as well as enforcing its influence. It is worth mentioning that in June, 2015, “Harvest Exhibition on China’s Space Exploration—flying with the Wings of Art” was well planned by the Centre. It was successfully held in the Moet and Chandon International Centre, which was a bold attempt of combining science with art.

On the occasion of the First Advisory Committee Meeting of the Centre, the album exceeding the Center’s development course with pictures, it published to tell the story of the Centre to the world as well as commemoration of its second anniversary.

Finally, it is grateful for the continuous support of UNCOSA, Chinese government, Beijing University, partners and other UN Regional Offices. The Centre will advance further development with heart adhering to the vision of “Openness, Innovation, and Indivisibility.”

序

中部地区2014年11月17日成立，以“推动空间技术的科学普及，为全人类服务”为宗旨，以“促进空间技术的科学普及”为目标，通过学术交流、教育培训、国际协作等方式，为成员国及其他发展中国家提供空间技术培训项目，旨在推动空间技术的科学普及及国际合作。此外，中心还积极将研究成果应用于实践，以促进空间技术及空间数据的国际社会共享与发展等目标的实现。

为了更好地发挥中心的桥梁和纽带作用，中心与各国及地区地方政府机构，以及各中心国和地区积极参与和支持，作为国际合作项目中的重要一环，中心积极参加联合国相关会议，联合国际空间组织等国际组织，与中心国及地区及其他各国的代表积极沟通和协调，为我国及国际社会的各项工作提供技术支持和服务，为我国及国际社会的笑容贡献力量。

中心国及地区政府、企业、高校等单位的支持和参与，是中心发展的有力保障。中心将致力于在空间技术领域的国际交流与合作，为我国及国际社会的各项工作提供技术支持和服务，为我国及国际社会的笑容贡献力量。
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)

2013.2 Application Making a proposal at the 50th session of Scientific and Technical Subcommittee of UN COPUS

2013.9 Paving Evaluation Mission by UNOSDA Expert Group (requests 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 60th International Astronautical Congress (IAC), Tokyo

2014.11 The Inauguration Ceremony The 1st Meeting of the Governing Board

2013.6 Approved by the Subcommittee of COPUS at the 56th session of COPUS

2014.3 Approved by the State Council of China

2014.7 Organizing a training course for Morocco (CIRASTE-UF)

2014.10 Signing agreements with contracting parties

Note: The preparation can be traced back to 2010.

Name List of the Governing Board Members

- Dr. Doche Administration of China’s National Space Administration (CNSA)
- Prof. Kornis Director of International Cooperation of Agência Espacial Brasileira (AEB)
- Dr. Montano Secretary General of Argentina National Commission of Space Activities
- Prof. Gähler Director of Australian Space Research Organisation
- Prof. Alencon Director of Research and Development of Brazil’s National Agency
- Prof. Gural Director of Indonesia Space Agency (LALAN)
- Prof. Talmon Director of Australia National Department of Defence
- Prof. Cao President of Chinese Academy of Sciences
- Prof. Wang President of China Academy of Engineering

Name List of the Representatives of Observers

- Mr. Olmez Director of National Space Agencies of Brazil (AEB)
- Mr. Eliaza Director of National Space Agencies of Iran (IRNAS)
- Mr. Guo Secretary General of Asia-Pacific Space Cooperation Organisation (APACOS)
- Mr. Pawlik Director of Asia-Pacific Space Cooperation Organisation (APACOS)

Director of the Advisory Committee

- Prof. Bhat President of Indian Space Agency

The 2nd GCM, November 11, 2015

*With more than ten years preparation, RCESTEAP was established on November 27, 2014. Presently, the Centre has 38 Member States. The Centre adheres to “Promoting the peaceful use of space technologies for the benefit of all mankind” as its mission. *
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.

Historic Moments in the Process of Application

In November 2014, Mr. Xu Dapeng, Administrator of China National Space Administration (CNSA) and Ms. Simonetta Di Pippo, Director of UNOOSA, signed the Cooperation Agreement between the United Nations and the Centre.
China Academy of Space Technology
China Centre for Resource Satellite Data and Application
Shanghai Academy of Spaceflight Technology
China Academy of Launch Vehicle Technology

Beidou Navigation Satellite System
Beijing UniStrong Co., Ltd.
Beijing RSStar Navigation Co., Ltd.
ChinaEFS GeoInformatics Co., Ltd.
Beijing Aerospace TITAN Technology Co., Ltd.
Twenty First Century Aerospace Technology Co., Ltd.

APSCO
National Satellite Meteorological Center
Institute of Remote Sensing and Digital Earth
National Astronomical Observatories Chinese Academy of Sciences
National Time Service Center

The Centre, adhering to the ethos of "Openness, Innovation, and Indispensable," is continuously expanding cooperation with innovative development.
MSTA 2012

MSTA 2013

DOCSTA 2013
MSTA 2014

March 2018 - RSAGS

Atn: 2015 - GNNAB

Short training programs are jointly organized by the Centre, UN-SPIDER, IRISCO on the principle of resource sharing, efficiency promotion and win-win cooperation.
Map of UN Regional Centres

- Western Asia
  - Jordan
  - Palestine
- Asia and the Pacific
  - China
  - Russia
- Latin America and the Caribbean
  - Brazil (CRECTALC)
  - Mexico (CRECTALC)
- Africa
  - Morocco (CREST-LEP)
  - Nigeria (CREST-E)

Representatives of the Centre visited CREST-LEP in Morocco in July 2014, CREST-E in India in January 2015, and CREST-LEP in Nigeria in August 2015 respectively for exchanges and cooperation on short training programs.
International Exchanges

![Image of people at an event]

Dr. Wang Zengfeng
Executive Director of Regional Center for Space Science and Technology Education in Asia and the Pacific (China) / MOST/NAOC, Dean of International School, Beihang University.

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

International Space Education Forum

On September 29, 2014, Beihang University and Chinese Society of Astronautics jointly planned and launched the Global Networking Forum (GFNF) on International Space Education for the 67th International Astronautical Congress (IAC). The theme of IAC was "International Space Education: Charge and Challenge".

- The Centre aims at promoting education and training while helping cultural space brand.
- The Centre was launched at the 67th International Astronautical Congress (IAC) in 2014.

Dr. Zengfeng Wang, the executive director of the regional center for space science and technology education in Asia and the Pacific, and Dr. Hanzhu Gong, a teacher in the department of industrial design at Beihang University, have contributed significantly to this initiative.

- The Centre actively engages in international exchanges with countries like India, Venezuela, and Brazil.
- The Centre focuses on developing partnerships and collaborations with international institutions.

16. Initiative Activities

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- The Centre focuses on developing partnerships and collaborations with international institutions.
### Degree Programs in 2015

#### Master's Program

<table>
<thead>
<tr>
<th>Research Direction</th>
<th>Number</th>
<th>Countries of Participants</th>
<th>专业方向</th>
<th>人数</th>
<th>生源国</th>
</tr>
</thead>
<tbody>
<tr>
<td>Global Navigation Satellite System (GNSS)</td>
<td>6</td>
<td>Algeria, Indonesia, Pakistan, Bangladesh, Mexico, Ukraine</td>
<td>卫星导航</td>
<td>6</td>
<td>中国</td>
</tr>
<tr>
<td>Remote Sensing and Geographical Information Systems (RSGIS)</td>
<td>7</td>
<td>Algeria, Bolivia, Bangladesh, Mongolia, Thailand, Laos</td>
<td>远程感测与地理信息系统</td>
<td>7</td>
<td>中国、缅甸、巴基斯坦、孟加拉国、泰国、老挝骨干</td>
</tr>
<tr>
<td>Basic Space Science and Technology (Microsatellite Technology)</td>
<td>10</td>
<td>Mongolia, Peru, Pakistan, Bangladesh, Brazil, Turkey, Venezuela</td>
<td>基础空间科学与技术 (微星卫星技术)</td>
<td>10</td>
<td>中国、泰国、土耳其、巴基斯坦、孟加拉国、蒙古、秘鲁、塞尔维亚、巴西</td>
</tr>
</tbody>
</table>

#### Doctoral Program

<table>
<thead>
<tr>
<th>Research Direction</th>
<th>Number</th>
<th>Countries of Participants</th>
<th>专业方向</th>
<th>人数</th>
<th>生源国</th>
</tr>
</thead>
<tbody>
<tr>
<td>Space Technology Applications</td>
<td>10</td>
<td>Iran, Morocco, Peru, Thailand, Pakistan, Venezuela</td>
<td>空间技术应用</td>
<td>10</td>
<td>中国、泰国、巴基斯坦、秘鲁、泰国</td>
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</table>

#### Short Training Programs in 2015

<table>
<thead>
<tr>
<th>Date</th>
<th>Topic</th>
<th>Countries of Participants</th>
<th>专业方向</th>
<th>时间</th>
<th>项目代码</th>
<th>领域</th>
</tr>
</thead>
<tbody>
<tr>
<td>Apr. 19-29</td>
<td>Global Navigation Satellite Technology and Application</td>
<td>Algeria, Bolivia, Brazil, China, Croatia, Indonesia, Laos, Mongolia, Myanmar, Nepal, Pakistan, Peru, Thailand, Turkey, Venezuela</td>
<td>卫星导航技术与应用</td>
<td>4月19-29日</td>
<td>43</td>
<td>基础科学</td>
</tr>
<tr>
<td>Sept. 14-22</td>
<td>Remote Sensing Technology and Application</td>
<td>Algeria, Bangladesh, Bhutan, Brazil, China, Ethiopia, Indonesia, Korea, Kyrgyzstan, Laos, Malaysia, Nepal, Pakistan, Peru, Mongolia, Mozambique, Myanmar, Nigeria, Sri Lanka, Thailand, Turkey, Venezuela</td>
<td>远程感测技术与应用</td>
<td>9月14-22日</td>
<td>30</td>
<td>基础科学</td>
</tr>
<tr>
<td>Sept. 17-25</td>
<td>Space Law and Policy</td>
<td>Bangladesh, Bolivia, Brazil, China, Egypt, Indonesia, Mongolia, Pakistan, Peru, Thailand, Turkey, Venezuela</td>
<td>空间法与政策</td>
<td>9月17-25日</td>
<td>38</td>
<td>基础科学</td>
</tr>
</tbody>
</table>

### Degree Programs in 2016

#### Master's Program

<table>
<thead>
<tr>
<th>Research Direction</th>
<th>Number</th>
<th>Countries of Participants</th>
<th>专业方向</th>
<th>人数</th>
<th>生源国</th>
</tr>
</thead>
<tbody>
<tr>
<td>Global Navigation Satellite System (GNSS)</td>
<td>11</td>
<td>Algeria, Bolivia, Brazil, Croatia, Iran, Iraq, Indonesia, Nepal, Peru, Thailand, Turkey, Venezuela</td>
<td>卫星导航</td>
<td>11</td>
<td>中国</td>
</tr>
<tr>
<td>Remote Sensing and Geographical Information Systems (RSGIS)</td>
<td>15</td>
<td>Algeria, Bangladesh, Bolivia, Indonesia, Iran, Mongolia, Pakistan, Peru, Thailand, Turkey, Venezuela</td>
<td>远程感测与地理信息系统</td>
<td>15</td>
<td>中国</td>
</tr>
<tr>
<td>Space Law and Policy</td>
<td>10</td>
<td>Bolivia, Mongolia, Pakistan, Thailand, Turkey, Venezuela</td>
<td>空间法与政策</td>
<td>10</td>
<td>中国</td>
</tr>
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#### Doctoral Program

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<th>生源国</th>
</tr>
</thead>
<tbody>
<tr>
<td>Space Technology Applications</td>
<td>13</td>
<td>Bangladesh, Indonesia, Mongolia, Myanmar, Nepal, Thailand, Vietnam, Pakistan</td>
<td>空间技术应用</td>
<td>13</td>
<td>中国</td>
</tr>
</tbody>
</table>

合计：111人
<table>
<thead>
<tr>
<th>Date</th>
<th>Topic</th>
<th>Number</th>
<th>Countries of Participants</th>
<th>Time</th>
<th>Special Topic</th>
<th>People</th>
<th>Nationality</th>
<th>Reason</th>
</tr>
</thead>
<tbody>
<tr>
<td>May. 8-20</td>
<td>International GNSS Survey - &quot;VGS Oceans for curious minds&quot;</td>
<td>31</td>
<td>Algeria, Bangladesh, Bolivia, Brazil, China, Iran, Mozambique, Nigeria, Pakistan, Peru, Saudi Arabia, Thailand, Venezuela</td>
<td>5/8-5/20</td>
<td>International GNSS Survey - &quot;VGS Oceans for curious minds&quot;</td>
<td>31</td>
<td>Algeria, Bangladesh, Bolivia, Brazil, China, Iran, Mozambique, Nigeria, Pakistan, Peru, Saudi Arabia, Thailand, Venezuela</td>
<td>20. Brand Promotion</td>
</tr>
<tr>
<td>Oct. 14-16</td>
<td>The &quot;Beid and Road&quot; Initiative - Spatial Information Committee Engineering Applications</td>
<td>45</td>
<td>Algeria, Bangladesh, Bolivia, Brazil, Croatia, Indonesia, Iran, Laos, Mongolia, Pakistan, Peru, Thailand, Turkey, Ukraine, Venezuela</td>
<td>10/14-10/16</td>
<td>The &quot;Beid and Road&quot; Initiative - Spatial Information Committee Engineering Applications</td>
<td>45</td>
<td>Algeria, Bangladesh, Bolivia, Brazil, Croatia, Indonesia, Iran, Laos, Mongolia, Pakistan, Peru, Thailand, Turkey, Ukraine, Venezuela</td>
<td>20. Brand Promotion</td>
</tr>
<tr>
<td>Oct. 31-Nov.8</td>
<td>Navigation and Positioning Satellite System Design</td>
<td>31</td>
<td>Algeria, Bangladesh, China, Indonesia, Iran, Laos, Mongolia, Mozambique, Pakistan, Peru, Thailand, Turkey</td>
<td>10/31-11/8</td>
<td>Navigation and Positioning Satellite System Design</td>
<td>31</td>
<td>Algeria, Bangladesh, China, Indonesia, Iran, Laos, Mongolia, Mozambique, Pakistan, Peru, Thailand, Turkey</td>
<td>20. Brand Promotion</td>
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