On the Development of the UN Regional Centres

Prof. Dr. WENG Jingnong

Executive Director of the UN Regional Centre in China (RCSSTEEP)
Dean of International School, Beihang University

June 12, 2017 Vienna
Meeting of the Directors of the UN Regional Centres will be held on 13-14 June, 2017
Room C0431, Vienna International Centre
Objectives of the Centres (Re: A/AC.105/749 & A/AC.105/782)

In order to translate the recommendations of the Committee and the General Assembly into an operational programme, the Programme on Space Applications initiated a project aimed at the establishment of regional centres for space science and technology education at existing research and higher education institutions in each region covered by the United Nations Economic Commissions: Africa, Asia and the Pacific, Europe, Latin America and the Caribbean, and Western Asia.
Regional Centres for Space Science and Technology Education (affiliated to the United Nations)

- Central America: Mexico (CRECTEALC)
- South America: Brazil (CRECTEALC)
- Asia: China (RCSSTEAP), India (CSSTEAP), Jordan (RJGC)
- Africa: Morocco (CRASTE-LF), Nigeria (ARCESSTE-E), Mexico and Brazil (CRECTEALC)

CSSTEAP India (inaugurated in 1995)
CRASTE-LF Morocco (inaugurated in 1998)
ARCESSTE-E Nigeria (inaugurated in 1998)
CRECTEALC Mexico and Brazil (inaugurated in 2003)
RCSSTEWA / RJGC Jordan (inaugurated on 29 May 2012)
RCCSTEAP China (inaugurated in 2014)
The principal goal of each centre is the development of the skills and knowledge of university educators and research and applications scientists, through rigorous theory, research, applications, field exercises, and pilot projects in those aspects of space science and technology that can contribute to sustainable development in each country.
The initial programmes of each centre focused on the following four core disciplines:
- remote sensing and geographic information systems;
- meteorological satellite applications;
- satellite communications and geopositioning systems;
- space and atmospheric sciences.

With the increasing demand for space applications, the following core disciplines were added:
- global navigation satellite systems;
- basic space science and technology (Micro-satellite technology);
- space law and policy, etc.
According to rough estimation, the regional centres have trained hundreds of graduates through degree programmes and thousands of participants through short training programmes in the related fields of space technology and applications.
Established in Nov. 17, 2014

Ten Contracting Parties
Annual Work Plan — 5 Actions

1. Construct personnel and system to facilitate the sustainable development of the Centre

2. Conduct education and training programs to serve the Centre member countries and other developing countries.

3. Capacity building of the Centre for space application programme

4. Organize activities for promoting visibility of the Centre

5. Publications
1st Governing Boarding Meeting
2nd Governing Boarding Meeting

Held on November 27th, 2015 in Beijing
1st Advisory Committee Meeting

December 6, 2016 in Beijing
So far, we have cultivated 215 graduate students from 23 countries majoring in Space Technology Applications, among whom 95 students from 18 countries are now studying at Beihang University, the host institution of the Centre.

In addition, the Centre has organized more than 20 short training programmes together with APSCO, UNSPSIDER Beijing Office, ENAC, Las Engineering and Technology School of Ohio University, China Satellite Global Services Alliance and other partners, in which over 500 students have participated.
Space technology is a significant means for developing countries to improve national strength and achieve leapfrog development.

Capacity Building in Education and training is still cannot satisfy the increasing demand in the developing countries.
To understand of the other regional centres and member states of RCSSTEAP

- Status
- Demands
- Development Plan
Map of UN-Regional Centres

Latin America and the Caribbean
- Brazil (CRETEALC)
- Mexico (CRETEALC)

Western Asia
- Jordan (RCSSTEWA)

Asia and the Pacific
- China (RCSSTEAP)
- India (CSSTEAP)

Africa
- Morocco (CRASTE-LF)
- Nigeria (ARCSSTE-E)
1st Forum on Space Technology Applications

December 6, 2016 in Beijing

CNSA  Algeria  Bangladesh  Bolivia  Brazil
China  Indonesia  Pakistan  Peru  Venezuela
Topic of the Meeting of the Directors of the UN Regional Centres
Topics to be Discussed

- Capacity Building for 21st Century
- Establishment of Regional Centre Alliance
- Ideas on contributions to UNISPACE +50 by Regional Centres
- Best Practices and Distance Learning Programmes
- Curricula: status and future updates
- Opportunities and challenges

......
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）
Regional Centre for Space Science and Technology Education in Asia and the Pacific (China)
(Affiliated to the United Nations)