



国际气候与环境科学中心
International Center for Climate and Environment Sciences



Reports of COMSATS Thematic Group on “Climate Change and Environmental Protection”

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Chinese Academy of Sciences**



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Introduction of TG-CCEP

- **Decisions of the 10th Coordinating Council Meeting of COMSATS, Cairo, Egypt**
 - ❑ “Climate Change and Environmental Protection” was identified as one of the Thematic Areas for the future programmes and projects of COMSATS’ Network
 - ❑ ICCES was identified as the Lead Institute, with ICNES(Jamaica) and IROST(Iran) as collaborating institutions
- **Decisions of the 11th Coordinating Council Meeting of COMSATS, Beijing, China (2008)**
 - ❑ Suggested by Prof. Dr. Sixiong Zhao, ICCES, China, to utilize CAS-TWAS-WMO-Forum as a podium for the foundation meeting of the Thematic Group on ‘ Climate Change and Environmental Protection’





Introduction of TG-CCEP

- **Decisions of the 13th Coordinating Council Meeting of COMSATS, Trieste, Italy (May, 2010)**
 - **ICCES agreed to arrange capacity building programmes for thematic group on “climate change and environmental protection”**
 - **Joint international workshop and training courses (CTWF)**
 - **Exchange of scientists and students (travel grant from CAS,TWAS,COMSATS).**
 - **The Meeting issued a communiqué in which commitment was made to start the Thematic Group activities**





Broad Objectives of TG-CCEP

- **To achieve South-South cooperation by creating linkages among the organizations working in the “climate and environmental sciences” in the developing countries:**
 - **Joint Research Projects**
 - **Experts Exchange**
 - **Knowledge Sharing**
 - **Capacity Building**
 - **Short-term (Training Course, Visiting Scientist Program)**
 - **Long-term (Post graduate Studies; PhD and Master Programs)**
 - **Sharing of Facilities and Resources**



Role of ICCER in the TG-CCEP

As the lead-Center of TG-CCEP, ICCER will:

- Share the ICCER's experience on climate and environmental research with member institutions of TG-CCEP, through:**
 - Training course (CAS-TWAS-WMO Forum)**

- Serve as the host institution for:**
 - Visiting scientists and Post doctor program (TWAS, COMSATS)**
 - Ph.D. program (CAS, TWAS, COMSATS)**

- Take the lead to develop the joint research project with other member institutions of TG-CCEP**



Activities of TG-CCEP (2010-2011)

- **Foundation Meeting of Thematic Group**
- **Proposal for Joint International Collaboration Project from MOST, China**





1. *Foundation Meeting of TG_CCEP*

The Foundation Meeting of COMSATS' Thematic Research Group on 'Climate Change and Environmental Protection' was jointly held by COMSATS and ICCES.

Time: November 20, 2010

Venue: Foreign Experts Building, Beijing, China.





1. Foundation Meeting of TG_CCEP

First Meeting of COMSATS' Thematic Group on "Climate Change and Environmental Protection"

Agenda of the Meeting

Venue: 1st Meeting Room, Foreign Experts Building, Beijing
Date: November 20, 2010

1) 0900 - 0925 Opening of the Meeting

- Opening remarks by the Chair of the Meeting, Prof. Lin Zhaohui, Director, ICCES
- Welcome remarks by Prof. Jiang Zhu, Deputy Director of IAP, Member of COMSATS Technical Advisory Committee
- Welcome remarks by Mr. Ali Tallae, Counsellor Technical Affairs, Embassy of Pakistan in China
- Welcome remarks by Mr. Farhan Ansari, on behalf of the Executive Director COMSATS

2) 0925 - 0935 Introduction of COMSATS and its Thematic Groups, by Mr. Farhan Ansari, Assistant Director, COMSATS Headquarters

- Brief Introduction of COMSATS
- Brief Introduction of Thematic Groups of COMSATS

3) 0935 - 0950 Objectives of the First Meeting of COMSATS' Thematic Group on 'Climate Change and Environmental Protection', by Prof. Dr. Lin Zhaohui, Director, ICCES

- Brief Introduction of COMSATS' Thematic Group on 'Climate Change and Environmental Protection'
- Broad Objectives
- Specific Goals (Plan for 3 years)
- Role of ICCES as the Lead institute of the Thematic Group, and other Collaborating Institutions

✧ 0950 - 1030 Group Photo and Tea Break

4) 1030 - 1230 Brief introduction of the participating organizations – objectives, research areas, areas of potential collaboration (15 minutes each)

- Prof. Dr. Lin Zhaohui, Director, International Center for Climate and Environment Sciences (ICCES), China, (Lead Institution)
- Dr. Mahmoud Molanejad, Director, IOR-ARC Regional Center for Science and Technology Transfer (RCSTT), Iran

- Mr. S. H. Kariyawasam, Director, Department of Meteorology, Sri Lanka
- Dr. Amos Makarau, Director, Zimbabwe Meteorological Services Department, Zimbabwe
- Dr. Muhammad Hanif, Director, National Weather Forecasting Center (NWFC), Pakistan Meteorological Department, Pakistan
- Dr. Abdalla Khyar Abdalla El Shobali, Director, Research and Training, Sudan Meteorological Authority, Sudan
- Mr. Muhammad Munir Sheikh, Head Climatology Section, Global Climate Change Impact Studies Center (GCISC), Pakistan
- Mr. Said Rahman, SUPARCO HQs, Pakistan

✧ 1230- 1400 Lunch Break

5) 1400 - 1500 Brief introduction of the participating organizations – objectives, research areas, areas of potential collaboration (15 minutes each)

- Dr. Joshi Pawan Kumar, Head of department of natural resources, TERI University, India
- Mr. Ling Leong Kwok, Head of Numerical Weather Prediction Development Section, Malaysian Meteorological Department, Malaysia
- Prof. Dr. Iftikhar Ahmed Raja, Head of Department, COMSATS Institute of Information Technology (CIIT), Pakistan
- Dr. Rijan Bhakta Kayastha, Assistant Professor, Himalayan Cryosphere, Climate and Disaster Research Center (HiCCDRC), Kathmandu University, Nepal

6) 1500 - 1630 Discussion on the initiation of a Joint Research Project

- Identification of the common thrust areas of the participating institutions in which a joint research project may be initiated
- Identification of the Collaborating Institutions
- Title of the research project
- Distribution of research assignments
- Identification of international partners (e.g. WMO, CAS, TWAS, NAM S&T Centre, etc.)

7) 1630 - 1650 Discussion on organizing a Group meeting of active researchers - year 2011

- Identification of the Host Institution (preferably on voluntary basis)
- Tentative date and venue of the meeting

8) 1650 - 1700 Concluding remarks by Prof. Dr. Lin Zhaohui, Director, ICCES

✧ 18:00 Banquet



1. *Foundation Meeting of TG_CCEP*

+ Opening Ceremony:

- + Prof. Jiang ZHU, TAC Member**
- + Mr. Ali Tallae, Counsellor Technical Affairs, Embassy of Pakistan in China**
- + Mr. Farhan Ansari, on behalf of the Executive Director COMSATS**

+ Introduction of COMSATS and its Thematic Groups

+ Introduction of objectives of the foundation Meeting of COMSATS' Thematic Group on 'Climate Change and Environmental Protection'

+ Introduction of the participating organizations

+ Discussion on the initiation of a Joint Research Project

+ MOU signing





1. Foundation Meeting of TG_CCEP

Participants

(12 Institutions, 22 Participants)

- ✚ ICCES;
- ✚ IOR-ARC Regional Center for Science and Technology Transfer (RCSTT), Iran ;
- ✚ Department of Meteorology, Sri Lanka;
- ✚ Zimbabwe Meteorological Services Department;
- ✚ Pakistan Meteorological Department
- ✚ Global climate change impact study center (GCISC);
- ✚ SUPARCO HQs;
- ✚ COMSATS Institute of Information Technology (CIIT);
- ✚ Sudan Meteorological Authority;
- ✚ Department of natural resources, TERI University;
- ✚ Malaysian Meteorological Department;
- ✚ HICCDRC, Nepal





1. Foundation Meeting of TG_CCEP

Meeting Achievements:

✓ The joint research project has been identified, with the title of:
“Multi-scale climate variations and its relation with atmospheric circulations ”

✓ **Participating institutions (9 countries):**

ICCER; Department of Meteorology, Sri Lanka;
Zimbabwe Meteorological Services Department;
PMD&GCISC, Pakistan; RCSTT, Iran;
TERI University, India; Malaysian Meteorological Department;
Sudan Meteorological Authority; HICCDRC, Nepal

**More participating institutions from COMSATS
member countries through COMSATS network**



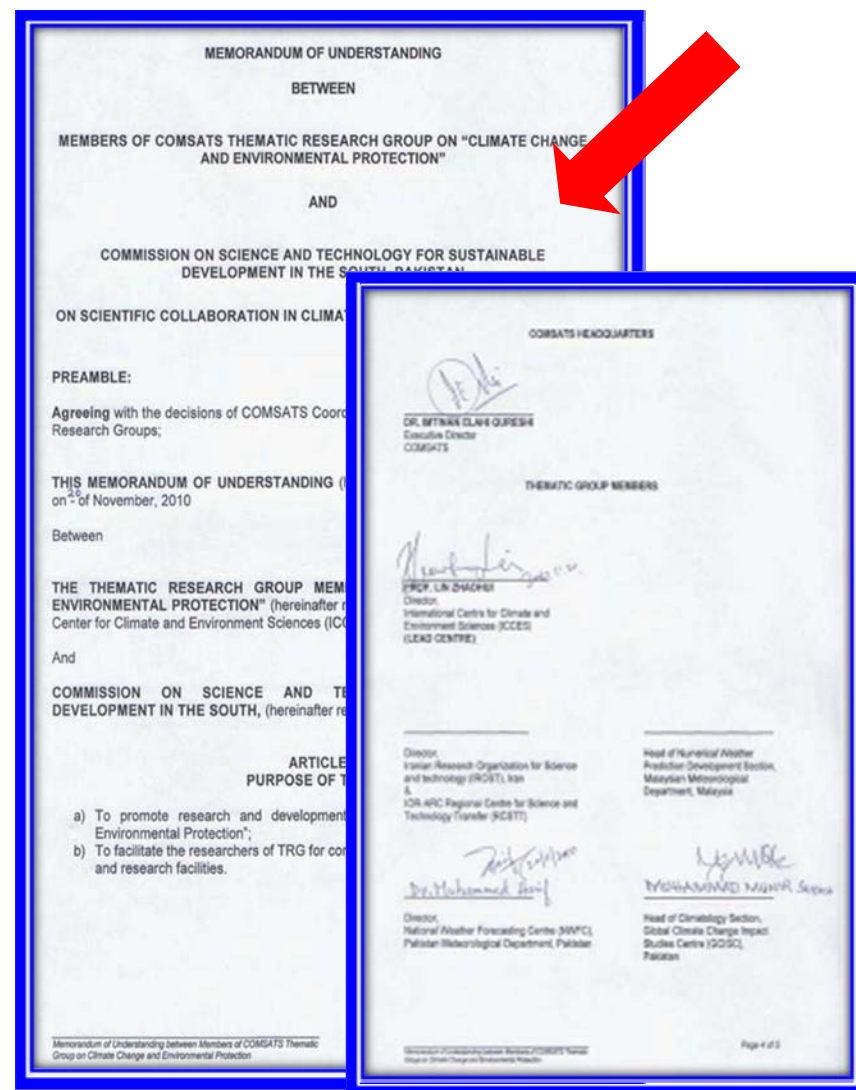
1. Foundation Meeting of TG_CCEP



Memorandum of Understanding (MOU)

Meeting Achievements:

- ✓ Most of the participants, on behalf of their organizations, signed the Memorandum of Understanding (MOU) and as a result became Members of COMSATS' Thematic Research Group on 'Climate Change and Environmental Protection'
- ✓ Tentatively agreed on the venue and time for the upcoming 2011 Second Group meeting.



2. Proposal for Joint Project from MOST, China



Project Title: “Extreme weather and climate events and its mechanism under changing climate”

Domestic participants:

- International Center for Climate and Environment Sciences (ICCES)
- National Meteorological Information Center, China
- Research Institution of Meteorological Science, Yunnan Province

International Partnership

- COMSATS
- Global Change Impact Studies Centre (GCISC), Pakistan
- HAI, Thailand



2. Proposal for Joint Project from MOST, China



Research Focus:

- ◆ To analyze the basic facts of climate change during the past 40 years among COMSATS member countries based on the observation data;
- ◆ To investigate the characteristics of extreme weather and climate events (including spatial and spatial distribution, amplitude, frequency etc.) and its related atmospheric general circulations by using the long-term meteorological observation datasets;
- ◆ To explore the possible linkage of extreme climate events between different regions and related atmospheric circulation anomalies;
- ◆ To reveal the relationship between South and East Asia monsoon, and further to investigate the possible affects of South Asian monsoon on extreme weather and climate events over East Asia;
- ◆ To investigate the possible mechanism responsible for the extreme climate events through numerical simulation by climate system models, and further to explore the predictability of extreme events.





Group Activities of TG-CCEP (2011-2012)

- **Second Thematic Group Meeting**
- **Joint Training Workshop**





1. *Second Thematic Group Meeting*

- It's expected that the Second Meeting of COMSATS' TG-CCEP would be jointly organized by COMSATS and ICCES, with participating member CIIT as the host during the ES-DeV meeting in July 2011.
- As the follow-up of the foundation meeting of TG-CCEP in China, the main theme for 2nd TG-CCEP will be focus on the project proposed in Oct.2010 in Beijing, with the title of: **“Multi-scale climate variations and its relation with atmospheric circulations”**
- Other possible project, such as “Green Technology and Energy Security” could be proposed in this meeting.

Proposed Date: July 28,2011

Venue: Abbottabad, Pakistan

2. *International Training Workshop*

Basic Information:

- 1.Theme: Regional Climate Change and Its Impact Assessment”
- 2.Tentative date: Sep. 26-31, 2011
- 3.Venue: Beijing

Sponsorship:

- ❑CAS-TWAS-WMO Forum on Climate Sciences
- ❑Commission on Science and Technology for Sustainable Development in the South (COMSATS)
- ❑United Nations Educational, Scientific and Cultural Organization (UNESCO)
- ❑Institute of Atmospheric Physics (IAP), CAS
- ❑International Center for Climate and Environment Sciences (ICCES)



2. International Training Workshop



Motivation:

The aim of the training workshop is not only to reinforce the *capacity building* among young research fellows, but also to provide a *linkage* among the developing countries, and between the developed and developing countries, to share their experiences of management and application in climate area.

Tentative sessions for training course:

- a) Facts of regional climate changes and the detection techniques
- b) Projection of regional climate change using global and regional climate models
- c) Impact of climate change on regional water resources
- d) Impact of climate change on and agriculture
- e) Application of regional climate model on the regional climate change study



2. International Training Workshop



Participants

+ **15** young scientists from COMSATS member countries will be nominated by COMSATS, mainly from those countries who participating the TG-CCEP, and their international travel will be covered by COMSATS and UNESCO

+ More than another **15** young scientists from both China and overseas will be nominated by ICCES

+ Participants will be selected through their CV and the abstract they submitted to the workshop by the scientific committee of the training workshop

+ All participants should have a **5-minute presentation** during the training workshop, under the theme of one of the five sessions.





3. *More could be done*

Under the support of COMSATS, CAS, TWAS, there are more could be done:

- ◆ Host the *visiting scholars* from all over the world to work in ICCES, including the visiting scientists under different TWAS fellowship schemes;
- ◆ Provide more opportunities for *Student Exchange* on the platform of COMSATS;
- ◆ Organize more *Training Workshop for* young scientists' research capacity building.

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3. More could be done



- ICCES will provide research facilities for visiting scientists
- CAS will provide financial support of 5000RMB/Month (~750USD) for living expenses.

UNESCO-TWAS Associateship Scheme at Centres of Excellence in the South
Application Form page 1

Field (tick one box only)

☐ Agricultural Sciences ☐ Biological/Medical Sciences ☐ Chemistry ☒ Earth Sciences

☐ Engineering Sciences and Technologies ☐ Mathematical Sciences ☐ Physics

Personal Details

Family name: ANA Given name: SIDDSIN Title: (Dr/Prof) DR

Gender: ☒ Male ☐ Female Date of Birth: 01/12/69 Place of Birth: IKOT ANA Nationality: NIGERIAN

Passport Number: A02400216 Date and Place of Issue: 13 SEP 2009 / IAAHAW Date of Expiry: 12 SEP 2015

Name and Mailing Address of Home Institution: DIVISION OF ENVIRONMENTAL HEALTH SCIENCES, DEPARTMENT OF ENVIRONMENTAL MEDICAL STATISTICS AND ENVIRONMENTAL HEALTH, FEDERAL HEALTH COLLEGE OF ABOKOYE, Lagos State University, Lagos, Nigeria

Accompanying Dependents: (If expenses for family members must be covered by the applicant)

Name: Relationship: Period of stay: Period of stay:

Field of specialization: ENVIRONMENTAL HEALTH

List below ten of your most recent & important publications (please also attach your CV and complete list of publications to the form)

1. ANA SI SIDDSIN, 2008, Publications in a Journal of Public Health (2008)
2. ANA SI SIDDSIN, 2008, Publications in a Journal of Public Health (2008)
3. ANA SI SIDDSIN, 2008, Publications in a Journal of Public Health (2008)
4. ANA SI SIDDSIN, 2008, Publications in a Journal of Public Health (2008)
5. ANA SI SIDDSIN, 2008, Publications in a Journal of Public Health (2008)
6. ANA SI SIDDSIN, 2008, Publications in a Journal of Public Health (2008)
7. ANA SI SIDDSIN, 2008, Publications in a Journal of Public Health (2008)
8. ANA SI SIDDSIN, 2008, Publications in a Journal of Public Health (2008)
9. ANA SI SIDDSIN, 2008, Publications in a Journal of Public Health (2008)
10. ANA SI SIDDSIN, 2008, Publications in a Journal of Public Health (2008)

HOST CENTRE: Provide up to three host centres in order of preference (choosing from the list of participating centres "AssocCentres.pdf" available from www.twas.org by entering "assoc" in the top right box (Search)

Choice No. 1: ICN, SAMS Choice No. 2: ICN, SAMS Choice No. 3: ICN, SAMS

Have you ever visited any of these centres before? If so, please give dates and purpose of visit: NO

Names of scientists you collaborated with in these centres (if any):

twas TWAS-UNESCO Associateship Scheme at Centres of Excellence in the South

116 TWAS - Strada Umbra 11 - 38014 Trento - Italy
Tel: +39 0461 236131 - Fax: +39 0461 236131
www.twas-unesco.org - twas@twas-unesco.org

TWAS-UNESCO ASSOCIATESHIP SCHEME AT CENTRES OF EXCELLENCE IN THE SOUTH
AGREEMENT OF COLLABORATION

The Academy of Sciences for the Developing World (TWAS) and the Chinese Academy of Sciences (CAS), Beijing, China, recognizing the importance of South-South exchanges have agreed to work together to provide a number of researchers with the possibility of working at CAS institutes (see list overleaf) within the framework of the TWAS-UNESCO Associateship Scheme at Centres of Excellence in the South.

Both organizations agree to the following conditions:

A) that the two visits are under the TWAS-UNESCO Associateship Scheme shall be for 2 to 3 months each time over a three year period. Subject to receiving satisfactory reports, appointments may be renewed for a second term depending on the availability of funds.

B) that the Academy of Sciences for the Developing Word (TWAS) shall provide the researchers with travel support to cover the most economical and direct air ticket, as well as a contribution in the amount of US\$300.00 per month for incidental local expenses.

C) that the CAS host institutes in China that are participating in the scheme agree to provide local hospitality (food and accommodation) to the visiting scientists, as well as the necessary research facilities, with support from CAS Headquarters.

D) that the CAS host institutes in China shall provide TWAS with a report on the work carried out by each researcher at the end of each visit.

E) that the arrangement may be reviewed every five years by mutual agreement between TWAS and CAS.

Signature: *Chen Bo* Beijing Jan 11, 2008
Chinese Academy of Sciences Place Date

Signature: *M. Hassan* Trieste 03/07/2008
Mohamed H. A. Hassan Executive Director (TWAS) Place Date

Dr. Ana from Nigeria applies on May 17, 2011 to visit ICCES under the TWAS-UNESCO Associateship scheme.



COMMENTS & QUESTIONS?

Thank You !