



Communication on Engagement

27.10.2015 to 27.10.2017

Submitted to

**UNITED NATIONS
GLOBAL COMPACT**



Climate Change Research Institute
Science & technology solutions for sustainable energy future

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Communication on Engagement by CLIMATE CHANGE RESEARCH INSTITUTE

Period covered by this Communication on Engagement

From: [27.10.15] To: [27.10.17]

The **Letter of Commitment** signed by the Chief Executive Officer of **Climate Change Research Institute** to the **Secretary-General** of the **United Nations** expressing ongoing commitment to the **Global Compact** and its ten principles.



Climate Change Research Institute

To,
Mr. H.E. Antonio Guterres
Secretary-General
United Nations
New York, NY 10017, USA

Date: 27/10/2017

I am pleased to confirm that Climate Change Research Institute reaffirms its support to the United Nations Global Compact and its Ten Principles in the areas of Human Rights, Labor, Environment and Anti-Corruption. This is our Communication on Engagement with the United Nations Global Compact. We welcome feedback on its contents.

In this Communication of Engagement, we describe the actions that our organization has taken to support the UN Global Compact and its Principles as suggested for an organization like ours. We also commit to sharing this information with our stakeholders using our primary channels of communication.

Sincerely yours,

Dr. (Mrs.) Malti Goel
CEO, Climate Change Research Institute

Climate Change Research Institute
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This Communication on Engagement has been prepared as a stand alone document.

The Climate Change Research Institute welcomes the opportunity to make a statement of its commitment to the support for the United Nations Global Compact and its Principles. Actions taken by our Institute relate to the specific activities suggested in support of these initiatives.

The Climate Change Research Institute is a registered society with the Government of India, under the Act of 1860 and under Section 12A and 80G of Income Tax Act 1961. The Institute is registered with [NITI Aayog, Government of India](#). It is also Associate Member of Global CCS Institute, Australia.

The Climate Change Research Institute has a mission to disseminate science & technology research in the field of environment and climate change mitigation & adaptation to stakeholders in the civil society. It educates and informs youth in schools and colleges about the ecosystem changes and consequences of climate change. The Institute is internationally renowned whose activities focus on research for finding out solutions to mitigate climate change impacts, policy advocacy and national priorities. Other activities such as policy studies on scientific & technological measures for implementation of UN Sustainable Development Goals for environment protection and economic growth are undertaken.



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The Institute with its scientific back-up has been serving the wide strata of society at various levels. It organizes awareness and capacity building workshops, scientific events of international relevance, lectures, campaigns on topics of scientific & societal interest in energy and environment. It aims to address as many stakeholders as possible through lectures in schools on one hand and discussions and awareness workshops among the students & researchers in colleges on the other. It has a vision is to become a Centre for Excellence in developing human resources and technical capacity building in the area of sustainable development (<http://ccri.in/brochure/>).

It brings out **Climate SAR Bulletin** to disseminate scientific information for public good on society related topics.

These efforts of our institute in promoting environment educations and creating awareness on emerging environmental issues are, but a few examples of the many ways in which the Climate Change Research Institute has been working to create a transformative impact on National/International scene.

Main Objectives of the Organization

- Promoting environment education and teaching in climate change among by wide strata of society.
- Creating scientific awareness through workshops, conferences, lectures, capacity building programmes on the topics of environment and sustainable development.
- Development of educational tools on emerging topics of societal interest; such as energy, health and water in the climate change context.
- To undertake studies in energy sector, clean coal, carbon capture and utilization, renewable sources for finding science & technology solutions.
- To enter into collaborations with other national, international organizations with similar objectives and also encourage study groups on various environmental aspects.

Activities Progress Report for Proceeding Two Years

The main activities and programs organized and managed by the Climate Change Research Institute (CCRI), INDIA starting from October, 2015 to October, 2017 are as follows.

I. BRAINSTORMING DISCUSSION MEETING ON SCIENCE DIPLOMACY

The Climate Change Research Institute (CCRI) organized a brainstorming discussion meeting on **Science and Diplomacy** about which awareness is lacking in the countries in this region. The workshop was held in association with Trans–Disciplining Research Cluster in Sustainability Studies (TRCSS) at New Delhi. The focus of the discussion was on the role of **Science Diplomacy in South Asia**, which is getting renewed attention to achieve sustainable regional integration as a means of implementation of Sustainable Development Goals. The discussion topics included: (i) Knowledge Networking; (ii) Hydropower; (iii) Cultural diplomacy; (iv) Science & Technology, Research and Collaboration; (v) Education.



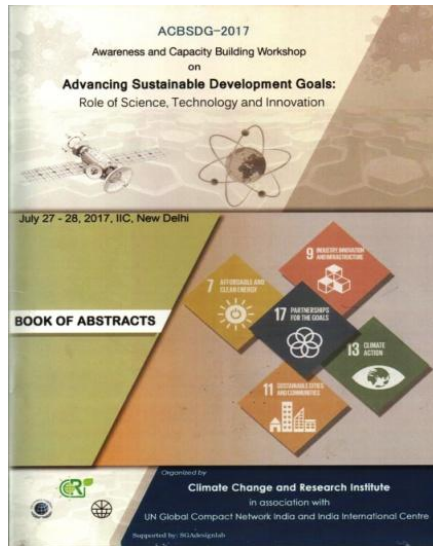
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WORKSHOP ON IMPLEMENTATION OF SUSTAINABLE DEVELOPMENT GOALS

The Climate Change Research Institute (CCRI) in 2016 organized a Workshop to create awareness and deliberate ways & means of **‘Implementation of Sustainable Development Goals’**. It was one of the first workshops held to focus on **Goal 17** of SDGs in New Delhi. The social and environmental problems in achieving the targets of **SDG 11** and **SDG 12** were also discussed among the civil society participants, to evolve strategies on case to case basis.

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WORKSHOP ON AWARENESS AND CAPACITY BUILDING ON **ADVANCING SUSTAINABLE DEVELOPMENT GOALS: ROLE OF SCIENCE, TECHNOLOGY AND INNOVATION**



India attaches high priority to the 2030 agenda for Sustainable Development which the United Nations adopted unanimously in September 2015, and which has greater significance for the well-being and progress of the human kind. The Climate Change Research Institute planned a two days' workshop on **Advancing Sustainable Development Goals: Roles of Science, Technology and Innovation** for awareness and capacity building. The main objective was to create a platform for describing and sharing ideas for formal or informal scientific research-based, academic, technological and innovative exchanges.

Our Institute organized the SDG workshop on July 27-28, 2017 in New Delhi in association with the GC Network India. To encourage participation of corporate sector in SDGs, a private co. was approached to support the meeting. An overview of the discussions is covered in the **Book of Abstracts** (<http://www.ccri.in/>) describing the need for evolving strategies.

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III. WORKSHOP ON AWARENESS AND CAPACITY BUILDING ON **ADVANCING SUSTAINABLE DEVELOPMENT GOALS: ROLE OF SCIENCE, TECHNOLOGY AND INNOVATION**

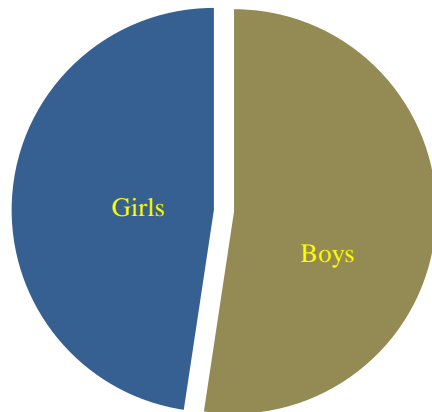


CEO , CCRI delivering a lecture

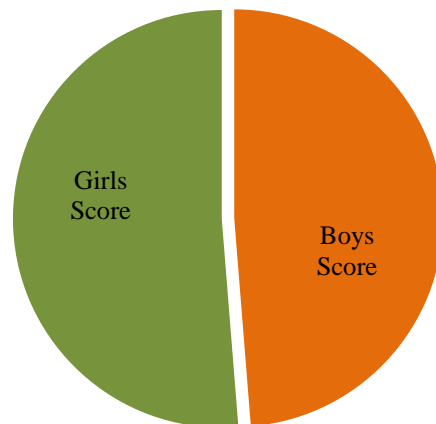
- The workshop was a unique collaboration of scholars from academia, industry and management disciplines. Industry partners shared their experience in CO2 emissions reductions in their sphere of activity.
- A sample **Quiz on SDGs** with multiple choices was given to the student participants.
- The students and faculty from five academic institutions; four being management and one technical, participated in the competition.
- In the quiz the girls though less in number scored fared slightly better than the boys.
- The **Certificates of Participation** in ACBSDG 2017 were awarded to the participating students from different universities and colleges.

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WORKSHOP ON AWARENESS AND CAPACITY BUILDING ON **ADVANCING SUSTAINABLE DEVELOPMENT GOALS: *ROLE OF SCIENCE, TECHNOLOGY AND INNOVATION***



SDGs Quiz for Youth



Participating Institutions in SDGs Quiz

- ☐ Amity Institute of Nano-Technology, Noida, India
- ☐ Entrepreneurship & Management Process International (EMPI) Business School, Delhi, India
- ☐ Jagan Institute of Management Studies (JIMS), Kalkaji, New Delhi, India
- ☐ Institute of Management Studies (IMS), Ghaziabad, Uttar Pradesh, India
- ☐ G.L. Bajaj Institute of Management, Greater Noida, Uttar Pradesh, India

WORLD OZONE DAY CAMPAIGN

The Institute organized a campaign on ‘**World Ozone Day**’ in 2015 to apprise the school children and civil society members, about the environment concerns from ozone depletion, Montreal Protocol and current status of ozone depleting substances. On this occasion, **Ozone Day Quiz** was designed and a competition was held on the spot for school students on the topics covering the ozone layer depletion, energy and climate change. Students enthusiastically participated in large numbers from the several schools across Delhi viz., Amity International School, DAV Public School, Universal Public School, Apeejay School, Navyug School, New Horizon School, Bal Bharti Public School, and Balwant Rai Mehta Vidya Bhawan. **Prizes** were awarded to the winners.

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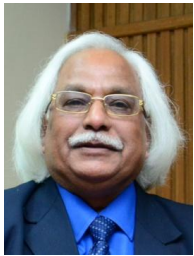
ENVIRONMENT AND EARTH CARE LECTURE SERIES



Guest Speaker

Our Institute organizes Lectures by eminent experts for youth to create awareness on topics related to anthropogenic climate change, environmental pollution and their toxicity, their impact on our body and their impact on the global atmosphere. In the **Environment and Earth Care (EEC)** series, special lecture on **Sustainable Green and Smart Cities** was delivered by former Commissioner, Delhi Development Authority. On this occasion, students from School of Planning & Architecture, New Delhi were encouraged to present their research related to Sustainable Development Goals strategies to enhance the ecosystem services.

MONUMENTAL CHALLENGES OF CLIMATE CHANGE



Guest speaker

In the EEC lecture series, our Institute organized a Guest Lecture on **Innovative Solutions to Tackle the Monumental Challenges of Climate Change**. This lecture was aimed at education, stimulation, motivation and encouragement to youth to take up science in their career in order to tackle climate change. A large number of students participated from different schools in Delhi. Examples to protect the Environment through new scientific innovations were presented. Schools children were also sensitized to **Sustainable Development Goal 13 on Climate Action** and the Paris Agreement on climate change.

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BULLETIN OF CLIMATE SCIENCE AND RESEARCH – CLIMATE SAR

The Climate Change Research Institute has started publication of the **Bulletin of Climate Science and Research – Climate SAR** for a wider reach among the society. The following Issues of the Bulletins have been published by the Institute during the period of Report.



Climate SAR Vol.-II No.2
GREEN BUILDINGS



Climate SAR Vol.-III No.1
INDCs AND PARIS AGREEMENT



Climate SAR Vol.-III No.2
SUSTAINABLE DEVELOPMENT GOALS



Climate SAR Vol.-IV No.1
RENEWABLE ENERGY

<http://www.ccri.in/bulletin.htm>

PARTICIPATION IN LOCAL NETWORK OF GC PROGRAMMES

1. LECTURE DELIVERED

The CEO, CCRI delivered the Lecture on **Sustainable Development Agenda and Role of Science, Technology and Innovation** on 2nd August 2017 in the **GC Network India Knowledge Sharing on CSR Practices – Ensuring Sustainable Communities & Environment** at **Central Warehousing Corporation**, Government of India.

2. Our Institute participated in the International event on **Making Global Goals, Local Business** (INDIA) held in New Delhi under the auspices of **UNGC Network India**.

Participation in International UNGC Event

Our CEO participated in the **United Nations Leadership Summit** MAKING GLOBAL GOALS LOCAL BUSINESS held at the UN Headquarters, New York in 22-23 June 2016.



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BOOK AUTHORED

CARBON UTILIZATION: APPLICATIONS FOR THE ENERGY INDUSTRY, Malti Goel & M Sudhakar (Eds), Springer, Green Energy and Technology Series 2017, ISBN 9789811033513

Climate Change Research Institute organized a five days' capacity building workshop Carbon Capture, Storage and Utilization: Towards a Low Carbon Growth Strategy in Energy Industry. To promote greater environmental responsibility, the theme of the workshop focused on science and technology of anthropogenic carbon dioxide removal processes.

The book on '**Carbon Utilization: Applications for the Energy Industry**' edited by CEO of the Institute comprises of workshop deliberations and scientific lectures has been published by Springer in 2017. It describes advancements in environment friendly technologies and carbon dioxide terrestrial and biotic sequestration research options in the context of anthropogenic climate change. Development and diffusion of low carbon technology in the energy industry is targeted.

CEO has also authored scientific papers which were published in the International and national journals and in the popular magazines for imparting environmental education.

KEYNOTE LECTURES DELIVERED AT INTERNATIONAL AND NATIONAL CONFERENCES

INTERNATIONAL

- CAS-TWAS Symposium at Institute of Process Engineering, Chinese Academy of Sciences on **Green Chemistry and Engineering for Sustainable Development (GCE 2016)**, Beijing, 2016.
- **Chaired Technical Session in Indo-Australian Workshop held at Anna University, Chennai, India on Development and Application of Low Emission Coal Technologies for the Indian Scenario, 2017**

NATIONAL

- ✓ National Seminar organized by **Indian Institute of Chemical Engineers, Kolkata** on **Carbon Capture and Utilization Technology**, Kolkata, February 24-25, 2017
- ✓ National Seminar held at **Indian Information Institute of Technology & Management** on **Important Challenges in Power Sector**, Gwalior, 24-25 November 2015.
- ✓ 2nd Non Ferro India Summit organized by **Indian Chamber of Commerce on Sustainable Growth Exploration**, New Delhi, January 2016
- ✓ National Conference on **Environment Challenges in Steel Sector** at **Tata Steel**, Jamshedpur, February 2016
- ✓ National Seminar by **Madhav Institute of Technology and Science, Gwalior** on Projected Strategies and Regulations to Address Current Environment Challenges, March 2016







CONCLUDING REMARKS

The Institute would continue to support UN Global Compact within its sphere of influence. Measurements of outcomes are; sharing of expertise by our organization to further the aims of Global Compact Local Network in India. This includes organizing a two day event on Awareness and Capacity Building for Advancing Sustainable Development Goals, delivering Lectures in the Local Network programs, participating in the events and Annual Meetings organized by Global Compact Network India.

We pledge to continue take part in the activities of United Nations Global Compact at International/national/local networks level, whenever feasible, to involve in specialized initiatives, to engage in partnership projects and to review the projects and progress when approached.

Glimpses of our activities are available at www.ccri.in

Thank you