

## CED Report to INECC as on 27<sup>th</sup> January 2011 (*DRAFT*)

### Climate Education

Commitment in this period was to prepare Climate Education document for arid region, in English & Telugu. This English version is being finalized, and should be completed by end January. The telugu version will be given for translation after that.

In addition we have revised various general portions of the earlier climate education booklets on coastal and forests. The English versions will be ready by end January. And the versions will be sent to Stanley for translation into Oriya and CED Bangalore for translation into Kannada.

The section revised are:

Basics of climate change: hasas been simplified, and general impacts and impact in India have been integrated..

Politics of Climate Change: Here the World Politics and Indian response has been itegrated. Also updates on Copenhagen and Cancun have been incorporated.

What is to be done, chapter has been revised to incorporate ..the equity and decentralization issues, and linking it to sustainable development options and people level actions..

### **Youth & Climate:**

CED's main work with Youth has been to engage them in self-study on Climate Change, and link it to their project work in colleges. To this end, CED has been in touch with teachers, and kept them abreast with literature on climate change, particularly the three issues of Critical Concerns brought out by CED, The Climate Education booklets, and other references to secondary literature at CED.

CED has developed a special reference section on Climate Change at its centres in Bangalore and Mumbai, and declared free access to these through it "Happy Topics" programme. The sub-topics suggestions which were given by were "vulnerability and adaptation relating to the poor communities, issues of equity and justice in international and national policies and programmes, Appraisals and Critiques of options put forward by industry, governments, NGOs from the stand point of marginalised communities. What do we think about it? What should we do?"

Several students have availed of this facility ( see list of students in Annexure and ,

### **Documentation Collation work:**

As part of the Youth & Climate Change work, CED has been given the task of Documentation/collation of Good practices on CC education, among teachers, NGOs and young people..

CED has been gathering information by visiting different NGOs, Colleges as well as websites. The collection work will be completed by end January. The documentation is being put into electronic form and will be made available on INECC website, to begin with. It should online in the public domain by February.

### **Pilot Workshops with Students:**

The Reference and Project work to students have been supported by offering our support to give talks and presentations to student groups.

John participated in a panel discussion on 15<sup>th</sup> July 2010 at the B school IBS, where Andrew White and Jayaraman also spoke. Andrew White gave the US view, whereas Jayaraman highlighted the issue of how carbon space can be allotted more equitably. John, CED presented "[The other images of climate change](#)" – which highlighted the ethical equity and sustainability issues.

CED led a three hour workshop on [Basics of Climate Change](#) at the BMN College of Homes Science, attended by 135 women students of Home science and computer science on 10th December 2010.

The highlight of the programme was a presentation a study of students awareness on Climate change. The study by three students was initiated by CED, using the teachers help, before the workshop. Two of the three students also participated in YUVA drishti II, which helped them get a overall perspective.

The workshop included viewing of CED's trigger film : City Calling, as well as some education material available on the Internet.

CED used the first version of the Educational Module, developed by it.

In Bangalore, CED is reaching out to students through 3 different levels of programmes:  
*A basic level session* with a middle-level institution – St. Lourdes High School was held on Jan 29<sup>th</sup>, 2011 where Walter gave a lecture on the basic science and politics and just an introduction to development issues relating of Climate Change.

There were 160 students from the 9th & 10th Standard. The Students were introduced to what were Green house gases and the causes of emissions. Walter made the session very interacting, with the students sharing some of their understanding about the causes of emissions being vehicles, industries, cutting trees and so on. The lecture also covered points on the effects of global warming where some of the students pointed out sea level rise, melting of the glaciers and so on. Issues of equity comparison at the global as well as the city and village level and finally the session was rounded off by suggesting means we could adopt like composting waste, reducing electricity usage and public transportation as ways to fight against Global warming. One of the teachers was keen on knowing about Waste Management and taking it up a project for students because that is one of things the school could adopt immediately. The students were provided with visuals of the science of climate change.

*The advanced programme on Jan 27:* With the student members of the "Science Club" of St. Joseph's College who are already "aware" of climate change, Walter focussed on the relationship between growth, development, equity and Climate Change, and brought the focus to what Civil Society has been doing. And, the need to scale it up inspite of the vested interest in our lifestyle which we wont give up so easily. A few students among them have shown interest to take up different projects with CED. 18 students participated in this discussion.

Some of the projects, the students are going to take up during Summer vacation are to look at:

1. What is the population of Bangalore that is keeping the Carbon footprint low?
2. Comparing the carbon footprints of cities such as Shanghai, New York, Bali, Mumbai, Bangalore.
3. What do I see Bangalore being in 2020?

CED is in the process of co-ordinating few more programmes with Jyoti Nivas College and the Centre for Social Action in Christ College.

### **Pilot Workshops/Programme with CSOs**

CED and Pipal Tree held a workshop for Journalists and Activists which was hosted and supported by Fireflies Intercultural Centre on the 29th and 30th of September. Walter Mendoza made a presentation titled To sink or Not to Sink which highlight the issue of creating so called carbon sinks through forests, and India's policy approach to the issue.

Raajen Singh presented a paper "Reddy for REDD"- highlighting how the forestry policy works on the ground when corporates take charge of forest areas as is highlighted by the case of the Reddy Brother mining activity in the forests of Bellary.

CED also prepared Notes for the Workshop, which included Raajen's paper, as well as initial draft chapters for the revised version of the climate education booklet on forest which incorporated the REDD debates and a bibliography. This was also circulated in electronic form as a CD at the workshop.

CED also participated in the Public hearing on Climate Change and Food Security in Semi-arid zones : organised by Accion Fraternal and Timbaktu in October 2010. CED documented the entire proceedings and prepared a short film, which was shown at the national public hearing in December.. An expanded version of the video report has also been prepared, and is currently being sub-titled into English for circulation. The film has been added to the climate education collection RDT provided Rs. 50000/- for the documentation work. CED also prepared a draft version of the Climate Education booklet and circulated it to the organizers for comments and background information. The same is being finalized under the aegis of INECC.

Fireflies organized a 2 day programme on "*What religions and spiritualities can contribute to face the challenge of climate change*". Participants were from different religious and secular backgrounds. Walter participated, as also made a presentation on the ethical and justice challenges thrown up by Climate Change.

Walter participated in a discussion on Climate Change at MAITREYA - a centre for eco-justice and eco-spirituality in Bangalore on 17<sup>th</sup> January, 2011. Participants were people from different backgrounds and professions such as

Mr Justice Michael Saldanha, Retired Chief Justice, Mumbai High Court  
Jyothi Sahi - Artist, Silvepuram, N Bangalore  
Siddhartha - Fire Flies Ashram, Kagalipura, Bangalore  
Fr Claude d'Souza, SJ - Social Scientist, Bangalore  
Dr Orla Hazrah, Ph.D. - Consultant in Eco-Spirituality, Mumbai  
George Kunnath - Human Resources, Frazer Town, Bangalore  
Ms Laila Ollepally, Advocate, Koramangala, Bangalore  
Dr Meath Conlan - Diverse Journeys, Perth, Australia

The primary discussion was on :

What is the major / most pressing problem to address and explore?  
What can we each, and as a group, contribute to solving the problem?  
What is it that Maitreya could do as a Centre for eco-justice and eco-spirituality?  
How would each of us contribute to the process.

This is an excellent space to have meetings and locate events and seminars.

Walter Mendoza and Wilma Rodrigues attended a programme on Urban Development and Sustainability – a Major Challenge for Waste Management in the 21st Century. This Participation was arranged by WIDA through NMZ, Hamburg, the place where the programme was held. As a result we got in touch with Wilma's organization SAAHAS.

This led to the session of the Bangalore Platform on Solid Waste Management in Bangalore; and subsequently to the workshop Inclusive & Greener Cities Opportunities in the Face of Climate Change organized on January 24 And 25, 2011 by the Centre For Social Action, Christ University, Bangalore, India.

We got in touch with many organizations working in Slums and lower class neighbourhoods, many of whom are working with the informal waste-collection and recycling sectors, and visited some of them - potential sites for the study.

This will strengthen the outreach of our vulnerability study.

*A session of the Bangalore Platform: on Waste Management* was held on 4<sup>th</sup> December 2010 at CED Bangalore

Wilma Rodrigues, Executive Director of Saahas, took us through these various issues involving waste - waste segregation at source, and retrieval of recyclable material at the individual, household and municipal level, and the larger issues of sustainable cities, issues of inclusion of the informal sector, and impacts on livelihoods of marginalised urban communities.

The burgeoning volumes of waste in the city, limited options of disposal and the fact that waste management strategies alone are unable to solve the problem, leaves us with fewer options i.e., ZERO WASTE! Reduce, reuse, recycle – the 3Rs – the tenets of waste management. The major emphasis is on REDUCE – looking to minimise and eliminate waste. The waste audit conducted at Satyam identified disposable products as the largest contributors of waste.

Saahas has been engaged with these issues in Bangalore for nearly 2 decades.

There were 12 participants including a few people from the neighbourhood.

### **Urban Communities and Climate Change Pilot Study – Vulnerability and Resilience**

CED has taken up this short-term study that focuses on the vulnerability of urban marginalised communities to Climate Change. The advisory process has been instituted to enable scientists, researchers, and civil society to come together to sharpen the focus. This is a small study, a pilot venture, a prelude to a larger study. The expected outcome of this is a report on the vulnerability assessment in an urban eco-system.

The initial meeting with the advisory group on December 22, 2010 was to ground the objectives of the study and validate the process. The study shall draw on the primary data that will be collected at the individual, household level and neighbourhood level, along with a survey of secondary sources. CED will be conducting interviews with stakeholders. In this case it will be in three neighbourhoods that will be selected through local CSOs. It was suggested that instead of looking at a slum rehabilitation neighbourhood, it should be in a slum itself, because, slums are being rehabilitated to outskirts of Bangalore.

Prof. T.G.Sitharam(Chairman, CiSTUP, IISc), Dr.H.S.Sudhira(ex-IISc, Researcher, Gubbi Labs), Rohan D'Souza(Ph.D fellow, NIAS), Dr.Bidisha Nandy(Post-Doc fellow, IISc), Dr.Harini Nagendra(Adjunct Fellow, ATREE & Asia Research Co-ordinator, Indiana University) are among the advisors. Wilma Rodrigues(SAAHAS), Vinay Baindur(Independent Researcher), Arul Selva(Slum Jagatthu), Prema Manthesh(Ragpickers Education & Development Scheme-REDS) are part of this study. Further, CED is meeting with stakeholder NGOs to carry this forward.

The questionnaire is underway with inputs and guidance from Dr. Sudhira. This questionnaire will be designed to elicit information on the socio-economic and demographic characteristics, access to essential civic amenities, climatic changes and to some current issues, experiences and coping strategies.

Prof. Sitharam and Sudhira will share with us some of the expertise that exists in IISc while Rohan and Bidisha Nandy will help us access secondary resources i.e., actual studies that already exist.

CED has put in place a researcher, Hita Unnikrishnan. Hita has a masters in Life Science. She is a member of the core team of Indian Youth Climate Network (IYCN), Bangalore Chapter working on issues of

climate changes. She has interned with Arghyam and worked as a lecturer in Botany and Environmental Science at Jyoti Nivas Degree College, an autonomous institution in Bangalore, and is at present with Centre for Social Markets.

She was selected as an International Climate Champion 2009, by the British Council and TERI and worked on a project on community-based energy efficient lighting. She also participated in a BBC documentary called Climate Connect which focused on energy efficiency in India.

She was to join us on January 12, 2010; but due to a sudden bereavement in the family, she has postponed joining by a month. This will delay the project by a month.

We have contacted and visited organisations working in slums, preparatory to selecting the partners and locations of the study. We will finalise the questionnaire and schedule the pilot survey by the time the researcher joins us. She is already joining us in the process.

#### Participation in INECC

CED is maintaining and updating INECC website. The website was revamped in November following a detailed discussion with Nafiza and Ajitha of INECC.

YUVA DRISHTI: Jacintha participated in the proceedings, along with Two students and John attended as Resource Person,

**Website Statistics of <http://inecc.net> from April 2010 till Jan 2011**

| <i>Month</i> | <i>Unique Visitors in that month</i> | <i>No. of Visits</i> | <i>No. of Pages</i> | <i>Hits</i> |
|--------------|--------------------------------------|----------------------|---------------------|-------------|
| Apr 2010     | 191                                  | 356                  | 3143                | 16811       |
| May 2010     | 280                                  | 615                  | 3142                | 16418       |
| Jun 2010     | 278                                  | 543                  | 3469                | 15669       |
| July 2010    | 207                                  | 334                  | 4176                | 17275       |
| Aug 2010     | 238                                  | 364                  | 1748                | 19327       |
| Sept 2010    | 235                                  | 387                  | 1897                | 9255        |
| Oct 2010     | 263                                  | 374                  | 2341                | 17676       |
| Nov 2010     | 299                                  | 416                  | 1287                | 10964       |
| Dec 2010     | 402                                  | 577                  | 4804                | 26664       |
| Jan 2011     | 345                                  | 472                  | 5550                | 38353       |

**\*Unique Visitors\*** = A unique visitor is a host that has made at least 1 hit on 1 page of your web site during the current period shown by the report. if this host make several visits during this period, it is counted only once.

**\*Visitor\*** = Number of visits made by all visitors.

**\*Pages\*** = Total number of pages downloaded ie, html,php etc..(Not Images,style sheets).\*

**\*Hits:\*** =Any files requested from the server (including files that are "Pages" and images )

Other work reported in the previous report includes

- Vulnerability to Climate Change:Mumbai-Thane Coast: Pilot Workshop- 29th May 2010