

## Global Change Programme Jadavpur University (GCP-II)

**Global Change**, a term increasingly preferred to climate change, refers to the anthropogenic interference with the 'Earth System' i.e. the atmosphere, geosphere and biosphere. Broadly, the Global Change Programme attempts to systematically understand the long term global changes due to factors such as climate change, population growth and their impact on issues like human welfare, water and food availability, urban lifestyle and so on. It takes a multidisciplinary approach to study the human dimension and economic impact of climate change and related issues.

With this focus the **Global Change Programme at Jadavpur University** was launched as a research programme in 2001 to generate reliable and in depth knowledge on 'global change' issues which may facilitate policy making and its implementation at the local, national and international levels.

### The Core Activities of GCP-JU:

- ✓ Primary aim is capacity building through
- ✓ Targeted research
- ✓ Short Training Programmes targeted at researchers, policy makers and NGOs.

## GCP-JU Research Projects

- ✓ Teaching Programme: appropriate module development
- ✓ Outreach Activities.
- ✓ Information Dissemination

In pursuance of the objectives, main thrust of GCP-JU research projects lies in the development of Indian Economy and society, and focuses on both long term and short-term issues.

### Select Research Projects:

- Lifestyle choice and Climate Change
- Natural Resource Accounting for West Bengal for the Sector Air and Water
- Clean Development Mechanism and Policy Issues for Indian Power Sector
- Carbon Emission and Socio Economic Scenarios for Developing Economics
- Socio Economic Modeling and Analysis for South Asian Water Resources and Mountain Project
- Assessing Environmental Management Options to Achieve Sustainability in the Shrimp-Mangrove System in the Indian Coastal Zone of Bay of Bengal
- Estimation of Pro Poor Tourism Potential in Indian Sunderbans;
- Analysis of Street Food Vending in Kolkata: Analysis of Livelihood, Health and Environmental Issues;
- Health Cost Analysis of Air Pollution in Calcutta and Delhi;
- Micro as well as CGE Modeling for Indian Economy for Climate Policy

## GCP-JU Outreach Activities: Climate Smart Entrepreneurs' Alliance (CSEA)

- Analysis.
- The Economics of Climate Change: Understanding the Potential Impact of Climate Change on South Asia with a particular focus on India
- Urban Infrastructure Service Development Projects for urban services.
- Study on Willingness to Pay and other Related Issues to Water Service Charge
- Changing Atmosphere Biosphere Geosphere and Socio Economic Activities in Sunderban Delta

**Climate Smart Entrepreneurs' Alliance (CSEA)** was conceptualized as an association of budding and existing "green" entrepreneurs of the region. It enabled such entrepreneurs to network, share experiences and assist each other to work towards a common goal. It was established in October 2008, in collaboration with Jadavpur University Global Change Program. This platform was used to voice the concerns and opinions of the new breed of "green" entrepreneurs and was duly recognized by various public bodies, including government departments.

After a few months, the architects of this association realized the need to take a more holistic approach to support the "green" enterprises. Thus, new operations were initiated dedicated to support the "green" enterprises with market research, data analysis and absorbing some of their peripheral activities.

CSEA will soon launch a green business directory

## Climate Smart Entrepreneurs' Alliance (CSEA)

University students play an active role in this organization and it serves the dual purpose of inspiring entrepreneurship in such ventures and educating the youth to undertake sustainable lifestyle initiatives. We also offer several internship opportunities during summer and semester breaks and organize workshops to impart entrepreneurial education for them in partnership with I Create Inc.

On June 5, we co-organized Climate Responsible Lifestyle Initiative 2009, which had the Mayor as the Chief Guest.

### *Some of our innovative projects include:*

- ❑ EcoLife Biofuels is a company based in California and we have supported them with in-depth research support to evaluate prospects of Biofuels in West Bengal. CSEA is currently engaged in a Waste Vegetable Oil project in Kolkata to assess the feasibility to procure WVO for biodiesel.
- ❑ HC Plastic India, is the only plastic recycling unit in Eastern India and CSEA did the economic analysis of this project. Currently, we are working with various institutions to develop a viable business model for sourcing used plastic.
- ❑ We are also working on a unique project to measure the carbon footprint of academic campuses in Kolkata.

### Contact us @

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## GLOBAL CHANGE PROGRAMME JADAVPUR UNIVERSITY

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A  
Partnership Programme  
for  
Global Change Research  
at  
Jadavpur University