

FAU CONFERENCE 2008

Cities, Climate Change and Development: Is Urban Change for Sustainability possible?

This year's conference includes workshops on:

1. Megacities: Development Scenarios and Impact on Environment and Climate
2. Climate change and sustainable development
3. Sustainable energy: Planning, distribution and consumption
4. Urban Ecosystems and Environmental Change
5. Global growth of cities: Water related problems
6. Industrial hotspots, health and poverty reduction

14th – 15th of May 2008

Location:

Copenhagen Business School (CBS)

Dalgas Have 15

2000 Frederiksberg (Copenhagen)

**Foreningen af Udviklingsforskere (FAU) -
The Association of Development Researchers in Denmark**
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BACKGROUND AND SUBJECT OF THE CONFERENCE:

Since 1990 FAU has hosted an annual conference with the primary aim of making a contribution to contemporary concerns through interdisciplinary debate. Thus it is our hope that also this year the conference will to bring together Danish, Nordic and International researchers from a variety of disciplinary backgrounds with development practitioners (from donor agencies, consultancies and NGOs) and advanced students in order to present and discuss important contemporary issues within Danish and international development research and shed light on important processes of development.

The theme of the conference is 'Cities, Climate Change and Development: Is Urban Change for Sustainability possible?' as development continues to lead to an increase in the absolute and relative number of urban poor and an increase in inequality. The provision of services (water, sanitation, waste management, health, education) has not been sufficient and issues of housing and land have been left unsolved. Political viewpoints, bureaucratic planning procedures, economic interests and social and cultural values are yet to blend to sustainable approaches and solutions. While the international literature, related to the 'Cities, Climate Change and Development theme' is vast, the main emphasis has in most cases, academically and practically, been mono-disciplinary and mono-functional, while the Urban development issues are interrelated and multidisciplinary by nature. Accordingly, the FAU Conference 2008 seeks to address the pertinent urban challenges in an interdisciplinary manner.

KEYNOTE SPEAKERS: (further information at the FAU website)

Mario Molina (to be confirmed) is a Professor of the Massachusetts Institute of Technology (MIT), Cambridge, USA. His research and writings have addressed the key issues about the impact of CFC gases on the atmosphere. He received the Nobel Prize for Chemistry in 1995 along with colleagues F. Sherwood Rowland and Paul Crutzen.

P.R. Shukla (confirmed) is a Professor at the Indian Institute of Management, Ahmedabad, India. He is a lead author of several international reports including eight IPCC reports, has co-authored twelve books and numerous publications in international journals in the areas of energy, environment, climate change and development politics.

Dr. Azni Zain Ahmed (confirmed) is a Professor and the Assistant Vice Chancellor (Research) at Universiti Teknologi MARA, Malaysia. She sits on the board of editors for Scientific Journals International and International Journal for Clean Coal Technologies. She has been involved in many renewable energy and energy efficiency programmes in Malaysia.

David Satterthwaite (confirmed) is a Senior Fellow at the International Institute for Environment and Development (IIED) in London and Editor of the international journal *Environment and Urbanization*. Since 1978, he has been working mainly on poverty reduction and on environmental problems in cities. Among others, he was a member of the Intergovernmental Panel on Climate Change Working Group II (1998 to 2007).

Dr. Imasiku Nyambe (confirmed) is a Professor at the School of Mines, University of Zambia, Lusaka, Zambia. His main research area is Integrated Water Resources Management and water efficiency plans as a tool in order to create sustainable economic and social development in the cities.

Sameer Akbar (to be confirmed) is an Environmental Specialist at the South Asia Environment and Social Development Unit of the World Bank, New Delhi, India. His Ph.D. from Imperial College, London concerned particulate air pollution and health effects. His work focuses on environmental issues, primarily related to industry, urban energy and transport. He manages the work programme on air pollution in the Bank.

Workshop I: Megacities: Development Scenarios and Impact on Environment and Climate

At present, there are about 20 cities worldwide with a population of 10 million or greater, and 30 with a population of exceeding 7 million, mostly in poor and developing countries. Such coherent urban areas with more than about 5 million people are usually called megacities. Megacities and heavily urbanized regions produce a large fraction of the national gross domestic product (GDP) (e.g. London, Paris and Mexico City account respectively of 19.9, 27.9 and 26.7% of the corresponding national GDP).

This workshop focuses on emissions to air quality, effects on regional and global climate, and feedbacks and mitigation potentials. It will take into account the different features and growing trends that characterize cities located in developing countries to highlight their present and future effects on local to global air quality and climate. The workshop will be organized in close cooperation with the EC 7FP MEGAPOLI project, which among others focus on: Mexico City, Beijing, Santiago, Delhi, Bangkok, Cairo.

Keynote-speaker: Prof. Mario Molina

Convenors: Alexander Baklanov and Allan Gross, the Danish Meteorological Institute (DMI), and Martin Lehmann, Aalborg University (AAU)

Resource persons: Niels Thygesen, DTU-Environment & Resources (tbc). End-users of the MEGAPOLI 7FP project (tbc).

Workshop II: Climate Change and Sustainable Development

The workshop focuses on theoretical perceptions of climate change. The issues of reducing emissions and the question of how to allocate emission reduction among countries are addressed. Matters of international politics are relevant in a very direct manner, since this huge challenge has to be lifted by virtually all countries in a concerted way. Geopolitics also plays a more indirect role, since climate change policy involves the balance of power between exporters and importers of traditional energy sources.

At the same time there is an urgent agenda concerning sustainable adaptation to inevitable climate change, since climate change will entail disturbing changes of the livelihood of many people, in particular, the poorest and most marginalised ones. Normative questions of justice will also be addressed. In particular, the workshop will attempt to shed light on two aspects of justice concerning climate change policy: International justice and solidarity between rich and poor countries; and intergenerational justice between present and future generations.

Keynote-speaker: Prof. P.R. Shukla

Convenors: Jens Lehrmann Rasmussen, University of Copenhagen (UC) and Jørgen Dige Pedersen, Aarhus University (AU)

Resource persons: Kirsten Halnæs and Jørgen Birk Mortensen, UC.

Workshop III: Sustainable Energy: Planning, distribution and consumption

The climate problems are first of all related to use of fossil fuels in the energy sector. The political targets have been more and more precise and after the COP-meeting in Bali all countries have accepted to take part in the actual reduction of the Green House Gases. Therefore it is important to focus on all types energy solutions, which can reduce the use of fossil fuels. Two types of solutions are especially in focus. Mitigation with the aim of reducing the Green House Gases and Adaptation with the aim of adapting to actual and expected consequences of the climate changes.

The workshop seeks to focus on contemporary research with in two key areas in the urban settings:

- Energy and buildings & the possibilities of integrating energy aspects in renovation of existing buildings and creating new buildings, which becomes more and more pertinent the larger the cities grow.
- Energy planning: While Denmark has many good experiences of sustainable energy planning, this is often a major challenge in developing countries.

Keynote-speaker: Prof. Dr. Azni Zain Ahmed

Convenors: Jan Andersen and Tyge Kjær, Roskilde University (RUC).

Resource persons: Torben Dahl (Royal Architecture School (RAC), tbc), Henrik Lund AAU (tbc), Frede Hvelplund, AAU (tbc), Jørgen Fenhann (Risoe Research Centre, tbc) and Rikke Lybaek, RUC.

Workshop IV: Urban Ecosystems and Environmental Change – how to approach planning and management towards adaption?

Climate change and instability will be a substantial stressor compared to population increase, but without doubt it will require attention and adaptations of the service provisioning systems in larger parts of the world. As Global (Environmental) Change affects (and is affected by) the interplay between rural and urban areas, the workshop seeks to address the following key questions:

In some adversely affected areas (e.g. sub-Saharan Africa, the Indo-Gangetic Plain) the environment will become increasingly hostile to human habitation, and the provisioning of resources from such areas could become less predictable due to periods of prolonged drought / or flooding. How can urban ecosystems be developed to be more self-supporting, less consumptive of their hinterlands, and even more supportive of these in times of severe environmental stress?

Presently the general assumption seems to be that the current wave of globalization is unstoppable, and that the lengthening of the supply chains we have experienced since the fall of the Berlin wall is not a serious problem. Yet it is possible to imagine a number of different scenarios and how would e.g. urban areas and local land use be affected in periods with collapsing supply chains?

Keynote-speaker: David Satterthwaite

Convenors: Jakob Magid, UC and Irene Nørlund, NIAS-UC.

Resource persons (tbc): Michael Helt Knudsen, UC, Quentin Gausset, UC, and Johannes Dragsbæk Schmidt, AAU.

Workshop V: Global Growth of Cities: Water related problems

From 2008 half of the population on earth is living in urban areas – in planned cities and in unplanned slum areas, and the figure is growing. Provision of infrastructure and access to safe water and improved sanitation is lacking behind population growth and the consequences are seen in high levels of poverty, diseases; and lack of planning is restricting economic and social growth. Focus will be on these problems, the challenges and drivers of change but also look into response options based on three main pillars:

1. Drivers of Change (Urbanization, Industrialization, the move towards the cities; Population growth and poverty; Climate change, increase of water levels and disasters)
2. Challenges of the big cities (Water quality/quantity; Environment; Health; Poverty and Social/cultural impacts of migration to the big cities within water and sanitation)
3. Response options – what can we do? (Water management: quantity, quality – supply and waste; Climate Change Adaptation; Sharing knowledge and transfer of knowledge between North and South; and Building resilience)

Keynote-speaker: Prof. Dr. Imasiku Nyambe

Conveners: Miriam Feilberg and Jesper Dannisøe, Danish Water Forum (DWF) and Martin Hvidt, (University of Southern Denmark, SDU, Odense)

Resource persons: Phillip Binning and Martin Rygaard (The Technical University of Denmark, DTU), Ole Mark (DHI), and Sven Erik Jakobsen, UC.

Workshop VI: Industrial hotspots, health and poverty reduction

As the developing nations expand their industrial base and the number of vehicles increases, the emissions of major pollutants also increase. Women and children are affected by outdoor air pollution, especially in polluted cities of Asia and Africa and by indoor pollution when carrying out cooking. With the much greater exposure to air pollution than men and older children, the women and younger children suffer disproportionately. In addition, both men and women are exposed to very high concentrations of pollutants in some workplaces in Africa and Asia.

There is a considerable, but mostly un-quantified economic costs to poor countries caused by environmental pollution. This is made up, for example, of losses of workdays or costs of health care due to illness related to (air) pollution. It is e.g. estimated that India is spending over \$100 billion every year on treatment of diseases caused by air pollution. A key element of the workshop will be to focus on the interdisciplinary aspects of industrial pollution, health, poverty and the options for improvement, where the South Durban Industrial Basin, Durban, South Africa will act as a case.

Keynote-speaker: Sameer Akbar

Conveners: Peter Vangsbo Madsen (the National Environmental Research Institute, NERI) and Søren Jeppesen (Copenhagen Business School, CBS)

Resource persons: Andreas de Neergaard, UC (tbc), Martin Lehmann, Arne Remmen, AAU (tbc), Karsten Fulgsang, Force Technology (tbc), Arne Wangel (DTU), Sara Steenmark, SIDA (tbc) and Phillipe Grandjean, SDU.

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**Foreningen af Udviklingsforskere I Danmark (FAU)
c/o DIIS
Strandgade 56
1401 København K**

PRACTICALITIES:

The conference will take place at the Copenhagen Business School, Dalgas Have 15, Frederiksberg/Copenhagen. You will be registered by turn in accordance to the time of your payment. However, please note that the number of participants per workshop is limited, which means that the final selection of participants will be based on an assessment of relevance by the convenors, and that the number of students' seats is limited.

Time: Wednesday 14 May 9.00 am. – Thursday 15 May 5.00 pm.
Location: Copenhagen Business School, Dalgas Have 15, 2000 Frederiksberg. The venue is close to the Lindevang Metro station. The venue can also be reached by different buses (for information, ask the FAU secretariat)

Conference fee: Price for non-members of FAU: 1200 Kr.
Price for FAU-members:

- Regular members: 900 Kr.
- Student- members/Unemployed members: 200 Kr.

The fee includes conference materials, coffee/tea and cakes and lunch both days. It does, however, not include lodging which is to be handled by the participants, nor the conference dinner Wednesday evening, which has to be paid separately upon registration.

Conference dinner: 200 Kr. (a nice three course meal, including wine – venue to be announced)

For further information, please contact the FAU secretariat (Ann-Sofi Olsen). Phone: +45 3269 8690. E-mail: fau@diis.dk. The secretariat is open Mondays from 12.30 to 16. You can find further information about the conference, in particular the workshops and about FAU on our website at: www.fau.dk. The electronic version of the registration form seen below can also be found at the website.

ABOUT FAU:

The Association of Development Researchers in Denmark (FAU) was formed in 1982, and its overall purposes are: 1) to promote research regarding the Third World in general, and within social sciences in particular, 2) to strengthen the network between development researchers and practitioners in Denmark, 3) to support the communication of the results of the research. The membership prices are as follows: Regular members: 250 Kr., Students/Unemployed: 175 Kr., Spouses: 300 Kr. and Institutions: 750 Kr. FAUs Bank/Postal Account number: 0274 - 000 1 65 11 61.

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REGISTRATION FORMAT (**DEADLINE APRIL 14th 2008** – Note: Deadline for abstracts is 22nd March! See details on the workshops at the FAU website)
PLEASE USE CAPITAL LETTERS.

NAME: _____

ADDRESS (Street & Postal code): _____

PHONE: _____ EMAIL: _____

EMPLOYMENT: _____

EDUCATIONAL BACKGROUND: _____

INSTITUTION: _____

WISH TO PARTICIPATE IN WORKSHOP NO. (IN PRIORITY): _____

FAU MEMBER: YES _____ NO _____
CONFERENCE DINNER (200 Kr.): YES _____ NO _____

REGISTRATION TAKES PLACE THROUGH MAILING THIS FORMULAR TO FAU AND BY PAYING THE CONFERENCE FEE USING AN POSTAL CHEQUE PAYING-IN FORM OR VIA A NET BANKING TRANSFER. BANK/Postal Account no: 0274-0001651161
REMEMBER: REGISTRATION NO LATER THAN: **April 14th 2008**
FAU, c/o DIIS, Strandgade 56, 1401 Copenhagen K.

PRELIMINARY PROGRAMME:

Wednesday May 14:

- 09.00-09.30: Welcome session (FAU and representative from organising committee)
09.30-10.15: 1st Plenary session, by David Satterthwaite (plus comments from discussant)
10.15-10.45: Comments and discussion, moderated by Jakob Magid (UC)
10.45-11.15: Break (coffee and tea)
11.15-12.30: Workshops (1st session – 6 in parallel)
12.30-13.30: Lunch
13.30-15.00: 2nd Plenary session: Panel debate with 2 keynotes (Mario Molina & P.R. Shukla) + DK-researchers and policy makers
15.00-15.30: Break
15.30-17.00: Workshops (2nd session – 6 in parallel)
19.30-???: Conference dinner

Thursday May 15:

- 09.00-09.15: Introduction to day 2
09.15-10.00: 3rd Plenary session, keynote by Imasiku Nyambe plus opponent/discussant
10.00-10.30: Comments and discussion, moderated by (to be decided)
10.30-11.00: Break (coffee and tea)
11.00-12.15: Workshops (3rd session – 6 in parallel)
12.15-13.15: Lunch
13.15-14.45: 4th plenary session – panel debate with Sameer Akbar and Azni Zani Ahmed + DK researchers and policy makers, plus opponent & moderation
14.45-15.15: Break
15.15-16.30: 5th Plenary – all six keynote presenters: How can we move towards sustainable approaches when addressing the challenges in Cities, Climate Change and Development?
16.30-17.00: Closing remarks

FORMAT AND STRUCTURE:

The conference will be organised around five plenary sessions and six workshops which are planned around a set of criteria: 1) challenges, innovative approaches and policy issues in Urban development, 2) to include cross-disciplinary approaches and contributions of a variety of academic fields, 3) to take stock of present strongholds in the Danish Development Research environment and discuss pertinent views with input from key Nordic and international researchers in the fields. The plenary presentations aim at presenting overall issues of concern for all the participants and discuss linkages between research and practice, whereas the workshops deal with specific subjects and allow a more in-depth assessment of these themes based on paper presentations and discussions.

WORKSHOPS:

The workshops are being organised by one or more convenors assisted by one or several of the resource persons who are also invited speakers. The format of the sessions in the workshops will be (short) presentations, followed by comments by discussants, and by discussions among all participants. Apart from the invited presenters, the participants are encouraged to submit abstracts for further papers to be presented in the workshops. Abstracts of approx. 500 words are to be submitted to FAU no later than 22nd March, and if accepted, a full paper is submitted no later than 28 April (the format and length of the paper will be communicated by the convenors). Further information on the content and programme of the workshops can be found at the workshop pages at www.fau.dk. Most workshops intend to submit the best papers to Danish and/or international journals for publication afterwards. An anthology of selected papers at an international publishing house is also considered. Written materials, including the papers for presentation and more elaborated descriptions of the workshops, will be made available to the participants prior to the conference.

The Conference is funded by the Research Council for Development Research (FFU), the Danish Institute for International Studies, the Danish Development Research Network, the Danish Water Forum, and the Centre for Business & Development Studies, CBS.