

German Year in Vietnam 2010 – “City of the Future – Future of the City” German Vietnamese Workshop

**“Adaptation Response to Climate Change at the Urban Level
Spatial Information Needs for Climate-related Decision Support in Mega-Urban
Regions”**

Jointly organised by
Brandenburg University of Technology Cottbus, Germany & Ministry of Natural Resources
and Environment, Institute of Meteorology, Hydrology and Environment, Hanoi, Vietnam

Sponsored by
German Federal Ministry of Education and Research



Workshop

9th July 2010

Hanoi, Vietnam

Documentation



German Year in Vietnam 2010 – “City of the Future – Future of the City” German Vietnamese Workshop

**Adaptation Response to Climate Change at the Urban Level
Spatial Information Needs for Climate-related Decision Support in Mega-Urban
Regions**

**Held on Friday 9th July 2010, 8.30am – 5.00pm
Ministry of Natural Resources and Environment (MoNRE), Institute of Meteorology, Hydrology
and Environment (IMHEN)
62/23 Nguyen Chi Thanh Road, Dong Da District,
Hanoi, Vietnam**

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This workshop documentation was edited by Nigel Downes and Harry Storch

Outline

The German-Vietnamese Workshop entitled “Adaptation Response to Climate Change at the Urban Level” was held on 9th July 2010 in the conference hall of the Ministry of Natural Resources and Environment (MoNRE), Institute of Meteorology, Hydrology and Environment (IMHEN) in Hanoi. This documentation is intended to provide a brief overview of the workshop background and proceedings. The thematic focus of the workshop was designed to coincide with the overarching theme of the German Year in Vietnam “City of the Future – Future of the City”, which celebrated in the year 2010, thirty-five years of diplomatic relations between the Socialist Republic of Vietnam and the Federal Republic of Germany. The event was kindly supported by the German Federal Ministry of Education and Research (BMBF) and was intended to promote scientific exchange, cooperation and implementation, and forge partnerships within the framework of “Adaptation Planning to Climate Change Responses” between Vietnam and Germany.

Adapting to the implications of climate change in an integrative manner is a challenge which will face cities in both the Global North and South. Over the recent years, there has been raising awareness of the climate change problematic in both Vietnam and Germany. In addition the central role cities will have to play in climate change adaptation due to their high concentrations of populations and assets has become widely recognised.

The thematic focus of the Workshop was on the appropriate methodologies for the rational and scientific selection and justification of adaptation strategies to climate change impacts in the context of mega-urban regions. A methodological emphasis was placed on scientifically founded, spatially referenced information management as a central decision support system for spatial (urban) planning; here the target group was primary administrative decision makers on the national ministerial level in Hanoi, as well as experts from scientific policy advisory institutions.

Key speakers included, among others, well known experts from governmental and research institutions in Germany and Vietnam, who shared their professional experiences and demonstrated the importance of spatial and scientific information requirements for decision support in developing a range of adaptation strategies to climate change.

The preparation of the workshop was aided on the Vietnamese side by Dr. Nguyen Thi Hien Thuan, Head and Mr. Le Ngoc Tuan, Deputy Head of the Science, Training and International Cooperation Department of IMHEN. The workshop was attended by interested representatives from relevant Vietnamese ministries, scientific steering committees and bodies, industry groups, non-governmental organisations (NGOs), citizen based organisations (CBOs) and the local Vietnamese media. The workshop was held over one full day and was divided into four consecutive sessions. The contents and outcomes of the sessions are documented on the following pages.



Letters of Invitation



Cordial invitation to the

German Year in Vietnam 2010 - "City of the Future - Future of the City"

German – Vietnamese Workshop

Adaptation Response to Climate Change at the Urban Level

Spatial Information Needs for Climate-related Decision Support in mega-urban Regions

Date: 9th July, 2010 – Time: 8 a.m. to 5 p.m.

organised by
Brandenburg University of Technology, Cottbus, Germany and
MONRE Institute of Meteorology, Hydrology and Environment, Hanoi, Vietnam

sponsored by
Federal Ministry of Education and Research, Germany
Venue: MONRE Institute of Meteorology, Hydrology and Environment (IMHEN),
6223 Nguyen Chi Thanh Road, Dong Da District, Hanoi

Dear Sir or Madam,

We, as Director of the Institute of Meteorology, Hydrology and Environment, Hanoi and as leader of the of Megacity Research Project TP. Ho Chi Minh - Integrative Urban and Environmental Planning - Adaptation to Global Climate Change, would kindly like to invite you personally to our joint German-Vietnamese Workshop "Adaptation Response to Climate Change at the Urban Level" on Friday 9th July.

The theme focus of our Workshop coincides with the overarching theme of the German Year in Vietnam "City of the Future - Future of the City", celebrating 2010 as the year of German-Vietnam relations between Vietnam and Germany. This event, sponsored by the German Federal Ministry of Education and Research, is intended to promote scientific exchange, cooperation and implementation within the framework of "Adaptation Planning to Climate Change".

Key speakers include, among others, well known experts from governmental and research institutions in Germany and Vietnam, who will share their professional experiences to demonstrate the importance of spatial and scientific information for decision support in developing adaptation strategies to Climate Change.

The programme is enclosed. Please confirm your participation at the workshop as soon as possible by sending to Dr. Nguyen Thi Hien Thuan (IMHEN International Cooperation Department) an email: hienthuan@vktv.edu.vn or thuan_sihymeele@yahoo.com.

Yours sincerely

Prof. Dr. Tran Thuc (Director of IMHEN, Hanoi) Prof. Dr. Dr.h.c. Michael Schmidt (BTU Cottbus)



GIẤY MỜI

Kính gửi:

Nhân dịp kỷ niệm 35 năm ngày thiết lập quan hệ ngoại giao giữa Việt Nam và CHLB Đức và hướng ứng hoạt động Năm Đức 2010 tại Việt Nam, Viện Khoa học Khí tượng Thủy văn và Môi trường và Trường Đại học Công nghệ Cottbus tổ chức Hội thảo quốc tế Việt Nam – CHLB Đức "Các giải pháp thích ứng với biến đổi khí hậu ở cấp đô thị - Nhu cầu thông tin về không gian nhằm hỗ trợ quyết sách liên quan đến khí hậu ở các khu đô thị lớn".

Thời gian: từ 08:00 đến 17:00 Thứ Sáu, ngày 09 tháng 7 năm 2010

Địa điểm: Hội trường Viện Khoa học Khí tượng Thủy văn và Môi trường Số 23, ngõ 62, Nguyễn Chí Thanh, Đống Đa, Hà Nội

Viện Khoa học Khí tượng Thủy văn và Môi trường và Trường Đại học Công nghệ Cottbus trân trọng kính mời..... đại biểu của quý Cơ quan tham dự Hội thảo.

Để biết thêm thông tin thêm và xác nhận tham dự Hội thảo, xin vui lòng liên hệ ông Lê Ngọc Tuấn, Phòng Khoa học Đào tạo và Hợp tác quốc tế, ĐT: 04-37756613, ĐTDĐ: 0982050376, email: lengoctuan@vktv.edu.vn

Trân trọng cảm ơn./.

PGS.TS. Trần Thục

Viện trưởng
Viện Khoa học Khí tượng Thủy văn và Môi trường

GS.TS. Michael Schmidt

Chủ nhiệm dự án
Đại học Công nghệ Cottbus

Flyer

WORKSHOP PRESENTATIONS

Implementation and Policy Requirements

Vietnamese National Target Plan for Response to Climate Change and Future Scenarios for Climate Change

Ass. Prof. Dr. Tran Thuc,

Institute of Meteorology, Hydrology and Environment, Hanoi

MOST-BMBF Environmental Cooperation Projects

Le Thi Hoi, MOST-BMBF Cooperation Office, Hanoi

Climate Change, Adaptation and Mitigation Strategies in Germany

Dr. Klaus Mueschen,

Federal Environment Agency, Dessau, Germany

Vietnam's Legal Framework to develop and apply Climate Resilient Building Codes and Standards

Dr. Arch. Do Tu Lan, Ministry of Construction, Hanoi, Vietnam

Spatial Adaptation to Climate Change from a German Perspective - bringing strategies into planning practice.

Dr. Fabian Dosch,

Federal Institute for Research on Building, Urban Affairs and Spatial Development, Bonn, Germany

Thai-German Climate Protection Programme

Franz-Josef Ellermann, GTZ, Bangkok, Thailand

Spatial Adaptation Strategies at the Urban Level

Megacity Research Project: Building resilience to climate change through adaptive land use planning.

Dr. Harry Storch,

Brandenburg University of Technology Cottbus, Germany

Using an Urban Structure Type Approach for Downscaling Climate Change Impacts to the Urban Level

Nigel Downes,

Brandenburg University of Technology Cottbus, Germany

Climate Change and Consequences for Urban Development Planning in Ho Chi Minh City

Visiting Prof. Dipl. Ing. Frank Schwartz

Brandenburg University of Technology Cottbus, Germany

The Science of Adaptation Planning

Spatial Decision Support for Berlin's Adaptation Strategy to Climate Change

Joern Welsch,

Senate Department of Urban Development, Berlin, Germany

Urban Climatic Mapping in Asian Megacities

Prof. Dr. Lutz Katschner, University of Kassel, Germany

Climate Change and Management of Hydro-Meteorological Information for Ho Chi Minh City

Bao Thanh

Sub-Institute of Hydro-Meteorology and Environment, HCMC, VN

Applied Spatial Analysis for Urban Adaptation Planning: Urban Flooding and the Impacts of Sea Level Rise

PD Dr. Nguyen Xuan Thinh

Leibniz Institute of Ecological and Regional Development, Dresden

INTENDED AUDIENCE

Experts from governmental institutions, scientists and researchers, transnational institutions interested in the thematic field of Adaptation Planning to Climate Change in Urban Regions. The workshop-language is English. A Translation-service to Vietnamese will be offered.

Note: that we recommend prior registration via email.



SCIENTIFIC CONTACT

Dr. Harry Storch

Scientific Coordinator

Action Field: Urban Environment

Megacity Research Project

"Adapting Ho Chi Minh City to Climate Change"

Department of Environmental Planning

Brandenburg University of Technology Cottbus, Germany

E-mail: storch@tu-cottbus.de

VN-Mobile: + 84 (0) 1267 123 783

WORKSHOP ORGANISATION

Please register by sending an email to:

Dr. Nguyen Thi Hien Thuan

Head of International Cooperation Department

Institute of Meteorology, Hydrology & Environment,

62/23 Nguyen Chi Thanh Road, Dong Da District,

Hanoi, Vietnam

Tel.: (84) 4 38 355815. Fax: (84) 4 38 355993

E-mail: hienthuan@vktv.edu.vn or

thuan_sihymete@yahoo.com.



German Year in Vietnam 2010
"City of the Future - Future of the City"

German – Vietnamese Workshop

sponsored by

Federal Ministry of Education and Research, Germany



Adaptation Response to Climate Change at the Urban Level

Spatial Information Needs for Climate-related

Decision Support in Mega-urban Regions

9th July, 2010

8 am. to 5 pm.

MONRE Institute of Meteorology, Hydrology & Environment
62/23 Nguyen Chi Thanh Road, Dong Da District, Hanoi

organised by
Brandenburg University of Technology Cottbus, Germany and
Institute of Meteorology, Hydrology & Environment, Hanoi

INTRODUCTION

Adapting to the implications of climate change is a challenge facing cities in developing and developed countries. This workshop, sponsored by the German Federal Ministry of Education and Research, is intended to promote scientific exchange, cooperation and implementation within the framework of "Adaptation Planning to Climate Change" between Vietnam and Germany. The central role of cities in climate change adaptation is being recognised in both countries.

The thematic focus of the workshop, coincides with the overarching theme of the German Year in Vietnam "City of the Future – Future of the City", celebrating in 2010, thirty-five years of diplomatic relations between Vietnam and Germany.



Our joint German-Vietnamese workshop wishes to promote dialogue, cooperation and partnership between research institutions, national governments, and intercity cooperation, which are critical for success in adaptation to climate change at the urban level. Key speakers include, among others, well known experts from governmental and research institutions in Germany and Vietnam, who will share their professional experiences and demonstrate the importance of spatial and scientific information for decision support in developing adaptation strategies to climate change in urban regions.

KEY NOTE SPEAKERS



Dr. Klaus Mueschen is Head of the Climate Protection and Energy Unit at the Federal Environment Agency (UBA) in Germany. The Department deals among other topics with climate protection, sustainable energy supply, renewable energies and energy efficiency.



Dr. Fabian Dosch is senior project manager at the German Federal Institute for Research on Building, Urban Affairs and Spatial Development, a superior German federal authority commissioned to provide policy advice to the Federal Ministry of Transport, Building and Urban Affairs. He is responsible for the development of sustainable urban land use strategies and additionally involved in regional and local adaptation policies to climate change and applied research projects and studies on adaptation to climate change by spatial planning and urban development.



Franz-Josef Ellermann from GTZ (German Technical Cooperation) Bangkok, Thailand, is programme director of the "Thai-German Climate Protection Programme" which consists of three sub projects: Climate Policy, supporting the implementation of the Thai Climate Change Strategy, Energy-Efficiency in medium-sized Enterprises, and Climate Protection in Tourism.



Joern Welsch is working within the unit "Urban and Environmental Information System" at the Department of Urban Development of the Senate of Berlin. Since 1990 he has been the responsible editor for the thematic fields "Climate/Air", "Traffic/Noise" and "Energy" within the Environmental Atlas of Berlin. Additionally he is responsible for the drafting of expert's reports on urban planning projects with respect to urban climate standards. As an administrative expert he often undertakes professional exchange of knowledge at the international scale.



The Ministry of Natural Resources and Environment (MONRE) in Hanoi developed the "National Target Program to Respond to Climate Change" under the initiation of Ass. Prof. Dr. Tran Thuc, Director of the Institute of Meteorology, Hydrology and Environment (IMHEN) in Hanoi. The IMHEN in Hanoi is explicitly responsible for the coordination of all international research activities in the field of adaptation to climate change within Vietnam. The IMHEN includes a sub-institute in HCMC, Sub Institute of Hydrology, Meteorology and Environment (SIHYMETE), with a regional competence for South Vietnam. The Director of SIHYMETE is Bao Thanh. The IMHE in Hanoi is explicitly responsible for the coordination of all international research activities in the field of adaptation to climate change within Vietnam.



Dr. Arch. Do Tu Lan is Deputy Director of the management board of Urban Development Projects at the Ministry of Construction, Hanoi, Vietnam. She has been actively involved in the activities of the megacity research team since the early start of the project work in 2005.

PRESENTING MEGACITY PROJECT MEMBERS

The Megacity-Research Project 'Integrative Urban and Environmental Planning for Adaptation of Ho Chi Minh City to Climate Change' is financed as part of the research programme "Sustainable Development of the Megacities of Tomorrow - Energy- and climate-efficient structures in urban growth centres" by the German Federal Ministry of Education and Research (BMBF).



Dr. Harry Storch is a senior researcher at the Department of Environmental Planning of the Brandenburg University of Technology Cottbus. He is scientific coordinator of Action Field 'Urban Environment' in the Megacity-Project. Additionally he coordinates the M.Sc. Programme Urban Development Planning at Vietnamese-German University from December 2009 to April 2010.



Nigel Downes is a doctoral student, junior lecturer and researcher. He undertakes research activities related to the development of an adaptation planning framework for Ho Chi Minh City, at the Department of Environmental Planning of the Brandenburg University of Technology Cottbus within the above mentioned 'Integrative Urban and Environmental Planning for Adaptation of Ho Chi Minh City to Climate Change' project.



Visiting Prof. Dipl. Ing. Frank Schwartz is head of Department of Urban Planning and Spatial Design of the Brandenburg University of Technology Cottbus. Since 2009 he has been scientific coordinator of Action Field 'Urban Development' in the Megacity-Project.



PD Dr. habil. Nguyen Xuan Thinh is working on the development of methods, modelling tools and models for analysis, assessment and simulation of urban dynamics with a view to sustainable development and to resource-efficiency at Leibniz Institute of Ecological and Regional Development (IOER), Dresden. He is leader of the work packages Urban Flooding and Urban Energy in the Megacity-Project.



Prof. Dr. Lutz Katschner is Head of Environmental Meteorology at the University of Kassel, Germany. He specialises in urban climate and planning, clean air programmes and bioclimatology (thermal comfort) within the Faculty of Architecture, Urban and Landscape Planning at the University of Kassel. His main research field is climate change in cities, focused on heat stress and adaptation in urban design. He teaches as invited Professor in Hong Kong (China), Salvador (Brazil) and Bozen (Italy).

For further information please see:
www.megacity-hcmc.org

Programme



Brandenburg
University of Technology
Cottbus



German Year in Vietnam 2010 - "City of the Future - Future of the City"
German – Vietnamese Workshop

Adaptation Response to Climate Change at the Urban Level

Spatial Information Needs for Climate-related Decision Support in mega-urban Regions

organised by

Brandenburg University of Technology Cottbus, Germany & MoNRE Institute of Meteorology, Hydrology and Environment, Hanoi, Vietnam

sponsored by the Federal Ministry of Education and Research, Germany

Venue: MONRE Institute of Meteorology, Hydrology and Environment, 62/23 Nguyen Chi Thanh Road, Dong Da District, Hanoi – 9th July 2010.

Agenda

No.	8.00	Registration	
		Official Welcoming at IMHEN	Bao Thanh (Vice-Director IMHEN)
			Implementation and Policy Requirements Chair: Prof. (em.) Detlef Kammeier, Bangkok
1.	8.30	MOST-BMBF Environmental Cooperation Projects	Le Thi Hoi , MOST-BMBF Cooperation Office, Hanoi, Vietnam
2.	8.45	Climate Change and Adaptation and Mitigation Strategies in Germany	Dr. Klaus Mueschen Federal Environment Agency, Dessau, Germany
3.	9.15	Vietnam's Legal Framework to develop and apply Climate Resilient Building Codes and Standards	Dr. Arch. Do Tu Lan Ministry of Construction, Hanoi, Vietnam
	9.45	Coffee - Break	Spatial Adaptation Strategies at the Urban Level Chair: Prof. (em.) Detlef Kammeier, Bangkok
4.	10.00	Spatial Adaptation to Climate Change from a German Perspective - bringing Strategies into Planning Practice.	Dr. Fabian Dosch Federal Institute for Research on Building, Urban Affairs and Spatial Development, Bonn, Germany
5.	10.30	Adapting Ho Chi Minh City's Land-Use Planning to Climate Change Impacts – Spatial Information Needs	Dr. Harry Storch Brandenburg University of Technology Cottbus, Germany
6.	10.50	Using an Urban Structure Type Approach for Downscaling Climate Change Impacts on Urban Level	Nigel Downes Brandenburg University of Technology Cottbus, Germany
7.	11.00	Climate Change and Consequences for Urban Development Planning in Ho Chi Minh City	Visiting Prof. Dipl. Ing. Frank Schwartz Brandenburg University of Technology Cottbus, Germany
	11.20	Discussion and Press-Conference	
	12.00	Lunch - Break	Policy Programmes for Adaptation Planning Chair: PD Dr. Nguyen Xuan Thinh, IOER, Dresden
8.	1.30	National Target Plan for Response to Climate Change and Future Scenarios for Climate Change Impacts on Vietnam	Ass. Prof. Dr. Tran Thuc (Director) MONRE Institute of Meteorology, Hydrology and Environment, Hanoi, Vietnam
9.	2.00	Thai-German Climate Protection Programme	Franz-Josef Ellermann GTZ (German Technical Cooperation), Bangkok, Thailand
10.	2.20	Spatial Decision Support for Berlin's Adaptation Strategy to Climate Change	Joern Welsch Senate Department of Urban Development, Berlin Germany
	2.45	Coffee - Break	The Science of Adaptation Planning Chair: Dr. Harry Storch, BTU, Cottbus
11.	3.00	Urban Climatic Mapping in Asian Megacities	Prof. Dr. Lutz Katschner University of Kassel, Germany
12..	3.30	Climate Change and Management of Hydro-Meteorological Information for Ho Chi Minh City	Bao Thanh (Director) Sub-Institute of Hydro-Meteorology and Environment, Ho Chi Minh City, Vietnam
13.	3.45	Applied spatial analysis for urban adaptation planning: Urban Flooding and the Impacts of Sea level Rise	PD Dr. Nguyen Xuan Thinh Leibniz Institute of Ecological and Regional Development, Dresden, Germany
	4.15	Final Discussion	

Official Welcome at IMHEN

Dr. Nguyen Van Thang, Deputy Director General of the Vietnamese Institute of Meteorology, Hydrology and Environment (IMHEN) and Dr. Nguyen Thi Hien Thuan, Head of its Science, Training and International Cooperation Department, formally opened the workshop and delivered the opening remarks.

They greeted all participants on behalf of the absent Associate Prof. Dr. Than Thuc, Director of IMHEN, who unfortunately was unable to attend. They welcomed participants to the Ministry of Natural Resources and Environment and emphasised the importance of the workshop's thematic focus on spatial information needs for climate-related decision support for the Vietnamese metropolises of Ho Chi Minh City and Hanoi in regards to adaptation to the impacts of climate change. They noted that both cities will have to face a number of hydro-meteorological, and sea level rise related impacts in the coming decades.

Dr. Harry Storch on behalf of the German delegates and the Megacity Research Project TP. Ho Chi Minh offered his gratitude to both Dr. Nguyen Van Thang and Dr. Nguyen Thi Hien Thuan for the warm welcome received from their institute and for the possibility to hold the workshop in the MoNRE/IMHEN conference hall. He remarked on the many years of close collaboration with the institute and its sub-institute in Ho Chi Minh City. His remarks were translated by Dr. Nguyen Xuan Thinh. He further wished all participants an interesting workshop and stimulating discussions and declared the workshop sessions open.

Workshop Sessions

First Session: Implementation and Policy Requirements: Chaired by Prof. (em.) Detlef Kammeier, Bangkok, Thailand.

Second Session: Spatial Adaptation Strategies at the Urban Level: Chaired by Prof. (em.) Detlef Kammeier, Bangkok, Thailand.

Third Session: Policy Programmes for Adaptation: Chaired by PD Dr. Nguyen Xuan Thinh, Leibniz Institute of Ecological and Regional Development.

Fourth Session: The Science of Adaptation Planning: Chaired by Dr. Harry Storch, Brandenburg University of Technology Cottbus, Germany



Dr. Nguyen Thi Hien Thuan



Dr. Nguyen Van Thang



PD. Dr. Hail Nguyen Xuan Thinh and Dr. Harry Storch



Prof. (em.) Detlef Kammeier

Keynote Presentations

1. Vietnamese-German Scientific Technological Cooperation in the Fields of Water and Environment:
Dr. Le Thi Hoi, Most-BMBF Cooperation Office, Hanoi, Vietnam

Dr. Le Thi Ho from the Vietnamese-German Cooperation Office for Water and Environmental Technology funded by the Ministry of Science and Technology of the Socialist Republic of Vietnam (MOST) and the German Federal Ministry of Education and Research (BMBF), kindly provided an overview of the Vietnamese and German scientific –technological cooperation projects currently under way in the fields of water and the environment. She gave details of the nine priority fields of cooperation outlining their individual spatial information needs. The priority fields are; integrated water resources management and water information system; adaptation of water technology in urban areas (water supply, waste water treatment); water technology in rural areas (water supply, waste water treatment, nutrient recycling); Water technologies for industrial facilities; waste management, treatment and disposal technologies; flood prediction and flood prevention; water resources and climate change; and megacity of tomorrow. In addition, the office coordinates a number of education and training workshops.



Dr. Le Thi Ho

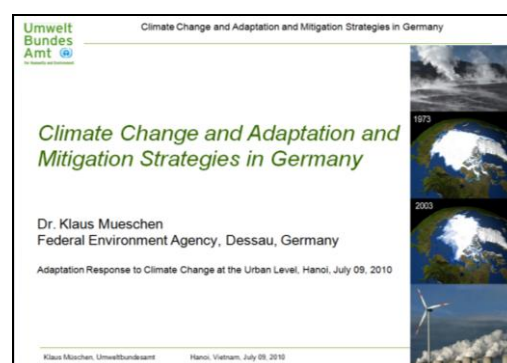


2. Climate Change and Adaptation and Mitigation Strategies in Germany:
Dr. Klaus Mueschen, Federal Environment Agency, Dessau, Germany

Dr. Klaus Mueschen, Head of the Climate Protection and Energy Unit of the German Federal Environment Agency provided a presentation initially summarising the role and functions that the Federal Environment Agency plays in Germany. He then went on to describe how the agency focuses many of its tasks in the fields of climate change and energy. The main climate change impacts that Germany will face the German Adaptation Strategy (DAS), stressing the vulnerability from a regional perspective and identifying hotspots (areas of increased sensitivity or priority areas which require adaptation) were summarised. He outlined the key elements of the DAS and the Competence Centre on Adaptation (KomPass) and the German Integrated Energy and Climate Plan (IKEP), which is developed to help meet Germany's international emission reduction commitments and targets post Kyoto.



Dr. Klaus Mueschen

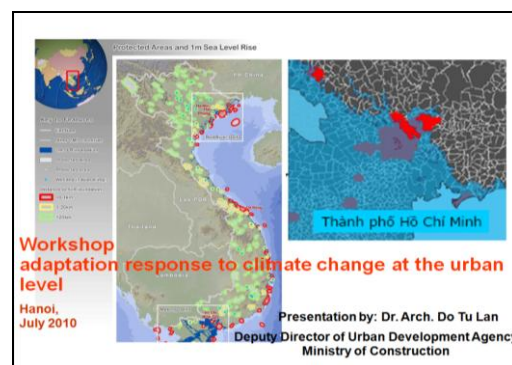


3. Vietnamese Legal Framework to Develop and Apply Climate Resilient Building Codes and Standards: *Dr. Do Tu Lan, Ministry of Construction, Hanoi, Vietnam*

In her presentation, Dr. Do Tu Lan, Deputy Director of the Urban Development Agency of the Vietnamese Ministry of Construction in Hanoi provided an overview of the current urbanisation rates throughout Vietnam, she specifically mentioned the increasing urbanisation in the low lying coastal areas of the country and the envisaged problems that climate change will bring, in terms of both increased exposure and vulnerability. She outlined the heightened need for adaptation of the numerous fast growing Vietnamese urban areas and the need for reviewing national guidelines to integrate climate change concerns. The need to apply the modern techniques of planning and urban management is indisputable. In her final remarks Dr. Do Tu Lan provided 3 examples of urban planning methods including resilient building codes and standards, for the adaptation to climate change, but noted that more tailored solutions suitable for Vietnam are needed.



Dr. Do Tu Lan



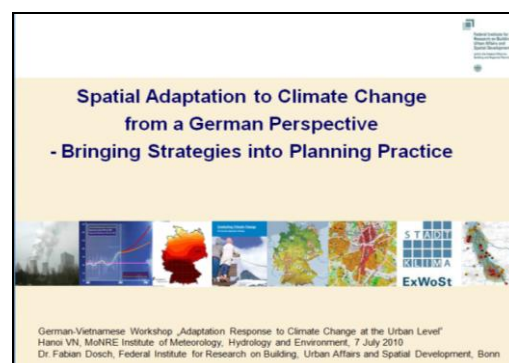
4. Spatial Adaptation to Climate Change from a German Perspective bringing strategies into Planning Practice:

Dr. Fabian Dosch, German Federal Institute for Research on Building, Urban Affairs and Spatial Development, Bonn, Germany

Dr. Fabian Dosch, a senior project manager at the German Federal Institute for Research on Building, Urban Affairs and Spatial Development, a governmental institute for research on urban affairs and spatial development commissioned to provide policy advice to the German Ministry of Transport, Building and Urban development, provided an overview of spatial adaptation to climate change from a German perspective. His presentation focused on how to bring adaptation strategies into planning practice. Following on from Dr. Mueschen's presentation, he began with a brief overview of regional climate change in Germany. He then supplied an outline of the objectives and research activities on climate change on the federal level. The main focus of this presentation was the demonstration of projects on the regional and local/urban scale. Finally he provided an outlook and recommendations. Thus spatial planning as a cross-cutting issue gains an import role in climate change-proof spatial development and adaptation practice.



Dr. Fabian Dosch



5. Adapting Ho Chi Minh City's Land Use Planning to Climate Change Impacts – Spatial Information Needs: *Dr Harry Storch, Brandenburg University of Technology, Cottbus, Germany*

Dr. Harry Storch provided an overview of the action field “Urban Environment” of the Ho Chi Minh City Megacity project. His presentation focused on the current development issues for Ho Chi Minh City and the spatial information needs for the successful adaptation of the emerging megacity's land use planning. He described the current awareness of the environmental problems of the city, especially urban flooding, but demonstrated that even without knowing the general urban development path a comprehensive research approach which considers future temperature, precipitation and flooding trends limits the assessment of vulnerabilities. He outlined the development of an Adaptation Planning Framework, which requires the coordinated integration of varying disciplines as a method for the development of spatial planning measures towards climate change adaptation. Here the focus is on non-structural adaptation measures. Dr. Storch emphasised the importance of future land use planning to communicate and protect key areas that are required and suitable for adaptation.



Dr. Harry Storch



6. Climate Change and Consequences for Urban Development Planning in Ho Chi Minh City: *Visiting Prof. Frank Schwartz, Brandenburg University of Technology, Cottbus, Germany*

In his presentation Visiting Prof. Frank Schwartz outlined the need for mainstreaming climate change adaptation into urban planning as part of sustainable urban development, a requirement that is now widely accepted among decision makers in Vietnam. He provided an overview of urban growth scenarios for Ho Chi Minh City, with high population growth, increasing living standards and high demand for housing. He also mentioned the inter-linkages between climate change impacts, current urban development patterns and long term urban development challenges. Prof. Schwartz further outlined what types of urban planning approaches, both top-down and bottom-up are required to integrate climate change adaptation into urban planning. To conclude his presentation he summarised some findings and examples from the Megacity HCMC research project in regards to the development of guidelines, procedures and tools including climate proofing, pilot studies and community-based adaptation.



Visiting Prof. Frank Schwartz



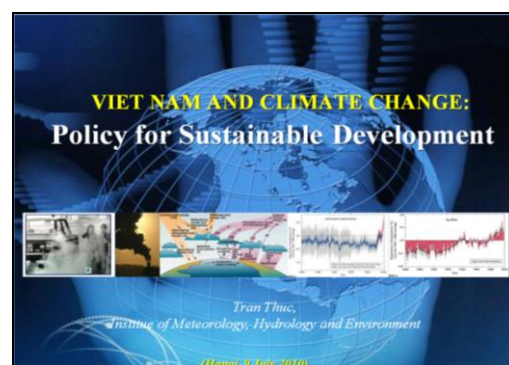
7. Climate Change Policy for Sustainable Development:

Dr. Nguyen Thi Hien Thuan, Vietnam Institute of Meteorology, Hydrology and Environment, Hanoi, Vietnam

In the absence of Associate Prof. Dr. Tran Thuc, Dr Nguyen Thi Hien Thuan, provided a presentation which described why Vietnam is particularly vulnerable to impacts of climate change. She highlighted the Mekong Delta as an area of 1 of 3 global hotspots with respect to population displacement and global food security, the various social groups to be affected and the specific sectors of the economy at risk. Dr. Thanh presented an overview of the observed changes in temperature and sea level rise over the last 50 years. The Ministry of Natural Resources and Environment (MoNRE) in Hanoi was commissioned by the Prime Minister as the main agency responsible for addressing climate change. Therefore the Ministry developed the Vietnamese National Target Programme to Respond to Climate Change (NTP) which was officially approved in 2008 under the assistance of Ass. Prof. Dr. Tran Thuc. In her presentation Dr. Thuan provided an overview of the NTP. She underlined that the IMHEN in Hanoi is explicitly responsible for the coordination of all international research activities in the field of adaptation to climate change within Vietnam.



Dr. Nguyen Thi Hien Thuan



8. Thai-German Climate Protection Programme:

Franz Josef Ellermann, German Technical Cooperation (GTZ), Bangkok, Thailand

Franz-Josef Ellermann, from the German Technical Cooperation (GTZ) is Programme Director of the Thai-German Climate Protection Programme. He provided in his presentation an overview of the programme which runs under the International Climate Initiative (ICI) launched in 2008 by the German Federal Environment Ministry (BMU). He described how the programme is funded by revenues from emission trading which then go exclusively towards climate protection measures at the national and international levels. Mr. Ellermann provided an overview of the specific ICI projects in Thailand which are 1) the development and implementation of climate protection policy in Thailand 2) capacity development for increasing of energy-efficiency in medium sized enterprises 3) dissemination of experiences in the implementation of climate protection policy in the nature-orientated tourism 4) sustainable palm oil production for bi-energy 5) programme for energy efficiency in Kho Khao and 6) solar biomass co-generation.



Franz Josef Ellermann



9. Spatial Decision Support for Berlin's Adaptation Strategy to Climate Change:
Joern Welsch, Senate Department of Urban Development, Berlin, Germany

Mr Joern Welsch, working for the city of Berlin in the Department of Urban Development, is in part responsible for the urban environmental information system. In his presentation he described the strategies for adaptation to climate change in the city of Berlin. On the back of the German government's national strategy for adaptation to climate change, the city of Berlin developed its own "Climate Work Plan" in mid 2009. Mr. Welsch outlined the need for the improvement in the urban climate management with the help of a step-by-step support system. This will require the development and updating of a valid database of the current urban climate, the prediction of the future conditions with relevance to the potential effects of the Urban Heat Island effect (UHI) and the improvement of a climate conscious urban planning and design, to climate check prospective building areas in regards to their climatic influences. In a short period of time, an interdisciplinary team of experts will have applied all knowledge and experience in an "Urban Development Plan Climate Change" to react to these new demands and to concentrate all adaptation efforts within a single framework. This plan and its recommendations will be published online by the end of 2010.



Joern Welsch

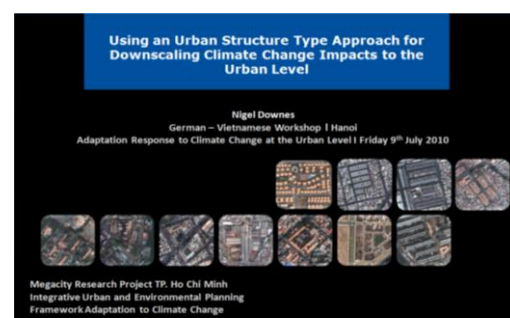


10. Using an Urban Structure Type Approach for Downscaling Climate Change Impacts on the Urban Level:
Nigel Downes, Brandenburg University of Technology Cottbus, Germany

Nigel Downes is a doctoral student undertaking research activities related to the Ho Chi Minh City Megacity project. He provided a presentation about the Urban Structure Type (UST) approach, a central component for the identification and implementation of adaptation strategies in the emerging megacity within the project action field "Urban Environment". Mr. Downes outlined how urban adaptation research requires inter-disciplinary and multi-thematic research to deal with the inherent complexes of urban systems. He explained how the UST approach precisely links climate change impacts to the urban environment in a downscaled manner through the use of whole sets of structure specific biophysical and socio-economic exposure, resilience and sensitivity indicators. The UST map is based upon the same inherent structure and scale as the official land use map allowing for multi-disciplinary indicator assessments to take place on a uniform scale and the ability to provide adaptation recommendations spatially for particular urban structures. Offering a key visual communication tool between differing scientific disciplines, this will hopefully facilitate the integration of climate change adaptation into the planning framework for administration, designers and planners.



Nigel Downes



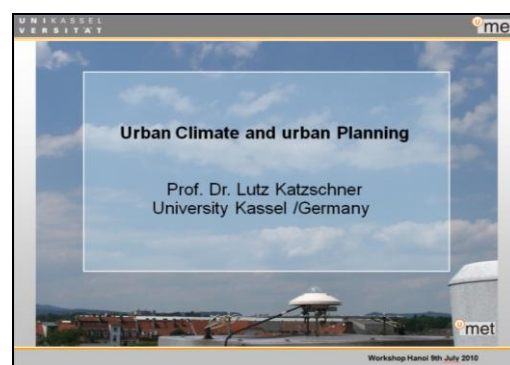
11. Urban Climatic Mapping in Asian Megacities:

Prof. Dr. Lutz Katzschner, University of Kassel, Germany

Prof. Dr. Lutz Katzschner provided an overview of urban climate considerations in emerging Asian megacities. Highlighting his international expertise in the urban climatology of dense Asian cities he provided a presentation outlining the key data requirements for the formation of urban climatic maps, key tools that allow planners to realise their aims in a climate just manner. He described that in practice two maps are necessary, the Urban Climate Analysis Map (UC-AnMAP) and the Urban Climate Recommendation Map (UC-ReMap). The UC-AnMap serves to synergise the scientific understanding of the urban heat island, urban ventilation and outdoor human thermal comfort. Based upon the UC-AnMap and working alongside urban planners, the UC-ReMap can then be developed. This map resolves scientific climatic understandings into guidelines and planning recommendations and is ultimately used to guide planning actions and decision making. The maps attempt to balance, prioritize, and weigh the combined effects of parameters appropriately in view of the planning decisions that need to be made.



Prof. Dr. Lutz Katzschner



12. Climate Change and Management of Hydro-Meteorological Information for Ho Chi Minh City:

Director Bao Thanh; Sub-Institute of Hydro-Meteorology and Environment (SIHYMETE), Ho Chi Minh City, Vietnam

The penultimate presentation was given by Mr. Bao Thanh Director of SIHYMETE and Deputy Director of IMHEN. He began his presentation with a short organisational overview of his institution and its hydro-meteorological monitoring network in Ho Chi Minh City. Within the city there are currently two monitoring centres and two planned centres will open in the foreseeable future. Another nine monitoring centres are located in the surrounding provinces. These centres have continuously monitored since 1978. Mr Thanh then related the rapid urbanisation and expansion of Ho Chi Minh City, with the detected temperature changes over the last decades. From 1989-2002, the built up area of the city was seen to expand by 6,277 hectares. Some of the highest levels of urbanisation were seen in District 12, 840 ha; Tan Phu District, 760 ha and Binh Tan District 1,135 ha. The annually average temperature in the city increased by 0.02°C from 1961–1990, and by 0.033°C from 1991–2005.



Director Bao Thanh



13. Applied Spatial Analysis for Urban Adaptation Planning: Urban Flooding and the Impacts of Sea Level Rise:
PD. Dr. Nguyen Xuan Thinh, Leibniz Institute of Ecological and Regional Development, Dresden, Germany.

The day's final presentation was provided by Dr. Nguyen Xuan Thinh. He demonstrated the requirements and motivation for spatial information, with some initial results from the Megacity Research Project TP. Ho Chi Minh. It is well-accepted that land use planning is an effective method for reducing vulnerabilities and increasing the resilience to hazards. Dr. Thinh stated the importance of spatial analysis of land use datasets in regards to future sea level rise, by firstly realising the impacts of sea level rise and secondary for the identification of potential retention areas for the greater Ho Chi Minh City urban area. He highlighted the need for the creation of geographical information databases, incorporating land use datasets, Digital Elevation Models (DEM); existing and planned building footprints, population and household data, etc. In conclusion Dr. Thinh showed a series of initial maps, highlighting soil sealing rates for the inner districts of Ho Chi Minh City, electricity consumption patterns, land uses affected by various degrees of flooding, and maps for the determination of possible retention areas for flood waters around existing settlements.



PD. Dr. Nguyen Xuan Thinh



Discussion / Exchange of Ideas

Following the conclusion of the keynote presentations of all German and Vietnamese speakers, time was granted for discussions and specific questions. In both discussion sessions, contributions highlighting the interest in the research approach of the Megacity Research Project TP. Ho Chi Minh were clearly given. Several audience members were especially interested in the initial research results and their spatially explicit nature for applied decision making purposes.

Another main theme of the discussions were issues related to appropriate scenarios of climate change and sea level rise in Vietnam and Germany, as well as the experience of Germany in responding to climate change at the urban level, and experience of German-funded projects related to climate change and urban planning.



Closing Remarks

Following the conclusion of the final discussion session, on behalf of the Brandenburg University of Technology, Cottbus, Dr. Harry Storch and Visiting Prof. Frank Schwartz provided a short summary of the day's main points and thanked all guests for their attendance and participation in the workshop and expressed their appreciation to the Vietnam Institute of Meteorology, Hydrology and Environment for its support and assistance rendered.

On behalf of the Vietnam Institute of Meteorology, Hydrology and Environment, Dr. Nguyen Thi Hien Thuan, expressed her sincere appreciation to German speakers for sharing their valued experience and knowledge in regards to climate change and urban planning, and thanked the BMBF for funding and making the realization of such an event possible.



Post Conference Excursions

On Saturday 10th July 2010 two half day post conference excursions were offered.

In the morning, accompanied by staff of IHMEN, the Red River and elements of the dyke flood protection scheme were visited. Climate change will naturally increase the challenges and risks for the Vietnamese capital with regards to flood preparedness and prevention. However, as it was seen on the excursion, many of the future problems will arise due to challenges in management of the flood diversion zones and the riverside of the dyke system. Currently lax regulations under the growing pressures of urbanisation have placed extreme pressure on dyke management. Many of the natural retention areas and low lying lands, as well as a sufficient amount of land riverside of the dyke has been built upon leading to firstly a reduction in the water retention capacity and secondly placing these assets at risk.

In the afternoon, a second excursion was offered guided by staff from the local University of Architecture through the historical old town quarters of Hanoi. Some of the likely impacts of climate change on the city of Hanoi will be a strengthening of the already existing Urban Heat Island effect and an increase in frequency and magnitude of heavy rainfall events. The fast urbanising city already has to deal with a high number of flood events each year which exceed the capacity of its existing inner city drainage system. Here integrated urban environmental planning responses are urgently needed to deal with the expected future inner city temperature and flooding increases to help building a more climate proof and resilient city.



Group Photograph



Press Response

Television

National television channels interviewed keynote speakers during the workshop and Dr. Harry Storch gave an extended interview at the end of the day.

A short overview (2 minutes 44 seconds in length) of the workshop was broadcasted on Vietnamese television channels VTC8, SCTV8, BTS, VCTV+ in News programmes on Saturday 10th July 2010 between 11.30am-12.00 pm; 2-2.30pm & 4-4.30pm respectively.

The News item in full length can be seen at

<http://youtu.be/vso1NGIjHI4>

The extended interview with Dr. Harry Storch is scheduled to be broadcasted later this year on the same stations.

Printed and New Media

In the following pages a selection of printed articles in the Vietnamese language about the workshop can be found.



Television



See: <http://youtu.be/vso1NGIjHI4>

Printed and New Media

Plural Newspaper

Thích ứng biến đổi khí hậu ở đô thị, cần quản lý dữ liệu

Theo VnExpress - 10/07/2010

(VnExpress) - Ngày 09/07/2010, tại Viện Khoa học Khí tượng Thủy văn và Môi trường, Hà Nội đã diễn ra hội thảo "Các giải pháp thích ứng với biến đổi khí hậu ở cấp đô thị" do Viện Khoa học Khí tượng Thủy văn và Môi trường phối hợp với Trường ĐH Kỹ thuật Cottbus tổ chức, dưới sự tài trợ của Bộ Giáo dục và Nghiên cứu CHLB Đức.



Thích ứng biến đổi khí hậu ở đô thị, cần quản lý dữ liệu

Hội thảo diễn ra nằm trong khuôn khổ các hoạt động kỷ niệm 35 năm ngày thiết lập quan hệ Việt Nam - CHLB Đức, hướng đến chủ đề năm Đức ở Việt Nam 2010 "Thành phố của tương lai - Tương lai của thành phố".

Theo TS Fabian Dosch, Viện nghiên cứu Xây dựng, Đô thị và Phát triển không gian, Bonn, CHLB Đức, bản thân mỗi khu vực nhỏ trong đô thị, có những thiết kế kiến trúc và không gian riêng. Vì thế, giải pháp phù hợp cần phải có quy hoạch không gian và đặc biệt là thu thập dữ liệu liên quan đến khí hậu và lịch sử tác động của BĐKH lên khu vực đó.

Trong khi nhiều vấn đề về BĐKH ở Việt Nam trở nên nóng bỏng như phát thải nhà kính, khủng hoảng năng lượng, ngập lụt, hạn hán, nước biển dâng..., các nhà quản lý của Việt Nam có thể học hỏi kinh nghiệm thích ứng với BĐKH từ thực tiễn của CHLB Đức cũng như các dự án Đức thực hiện ở các nước có đặc điểm tương đồng với Việt Nam.

Một trong những điểm nổi bật mà kinh nghiệm từ nước Đức cho thấy, để có chương trình ứng phó với BĐKH một cách bền vững, trước hết, Việt Nam cần thiết lập một trung tâm thu thập và quản lý cơ sở dữ liệu gốc về hiện trạng khí hậu tại từng địa phương, vùng hay từng đô thị. Thông qua mô hình dữ liệu này, các nhà hoạch định chính sách sẽ khảo sát khí hậu để đưa ra những kiến nghị hiệu quả.

Một số giải pháp mà CHLB Đức đưa ra, hầu hết dựa trên khảo sát thực tiễn và có thể áp dụng được với Việt Nam. Trong đó, thành lập một cơ quan chuyên cập nhật và quản lý dữ liệu gốc về khí hậu và biến đổi khí hậu là nhiệm vụ cấp thiết của Bộ Tài nguyên Môi trường. Tuy nhiên, nguồn thông tin cần có xu hướng mở và các ứng dụng mang tính phân biện sẽ đưa ra giải pháp phù hợp nhất, bà Đỗ Tú Lan, Phó Cục trưởng Cục Phát triển Đô thị, Bộ Xây dựng, nhấn mạnh.

CLIMATE CRISIS

Adaptation to climate change in urban areas, needs to manage data

10/07/2010, 12:07:34 PM

(VnExpress) - On 09/07/2010, at the Institute of Meteorology and Hydrology and Environment in Hanoi, the workshop on "Adaptation solutions to climate change at the Cities level" has been held on by Institute Meteorology and Hydrology Science and Environment in collaboration with the Cottbus Technical University, under the sponsorship of the Ministry of Education and Research, Germany.



Adaptation to climate change in urban areas, need to manage data

The workshop has been taken place in the framework of activities on the 35th anniversary of established relations Vietnam - Germany, towards the subject of Germany in Vietnam 2010 "City of the Future - The future of the city".

According to Dr. Fabian Dosch, Research Institute of Construction, Urban Development and space, in Bonn, Germany, every small area itself in urban must have architectural design and space. Thus, appropriate solutions need to have the spatial planning, and especially collected data related to climate and history of climate change impacts on that area.

While many issues on climate change in Vietnam have been seriously concerned as greenhouse's gas emissions, energy crisis, flooding, droughts, sea-level rise ... Vietnam government may exchange experiences from German lessons as well as German projects on climate change implemented in countries which have characteristics similar to Vietnam.

One of the highlights from the German experience shows that, to cope with the climate change sustainably, firstly and necessarily, Vietnam should establish a data center to collect and manage the cities' database on climate of each locality, each region or each urban area. Through this data model, policy-makers can examine the climate to draw the effective recommendations.

Most of the German suggested-solutions are based on practical survey and may be applied to Vietnam. In which, the establishment of a specialized agency to update and manage the database on climate and climate change is the urgent task of the Ministry of Natural Resources and Environment. However, the database should be opened and the application review will help to offer the best solutions, emphasized Mrs. Do Tu Lan, Deputy Director of Department of Urban Development, Ministry of Construction.

Vi Phan

Source:

http://tintuc.xalo.vn/00526874981/thich_ung_bien_doi_khi_hau_o_do_thi_can_quan_ly_du_lieu.html

Vietnam Forum for Environmental Journalists

KHUÔNG HOÀNG KHÍ HẬU

Thích ứng biến đổi khí hậu ở đô thị, cần quản lý dữ liệu

10/07/2010, 12:07:34 PM

(Vfej.vn)-Ngày 09/07/2010, tại Viện Khoa học Khí tượng Thủy văn và Môi trường, Hà Nội đã diễn ra hội thảo “Các giải pháp thích ứng với biến đổi khí hậu ở cấp đô thị” do Viện Khoa học Khí tượng Thủy văn và Môi trường phối hợp với Trường ĐH Kỹ thuật Cottbul tổ chức, dưới sự tài trợ của Bộ Giáo dục và Nghiên cứu CHLB Đức.



Thích ứng biến đổi khí hậu ở đô thị, cần quản lý dữ liệu

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Phan Vi

Gửi cho bạn bè In trang này

Source:

http://www.vfej.vn/vn/chitiet/24167/thich_ung_bien_doi_khi_hau_o_do_thi_i_can_quan_ly_du_lieu

News article from the website of the Department of Department of Water Resource Management – DWRM)

Cục Quản lý tài nguyên nước

<http://dwr.gov.vn>

Thích ứng biến đổi khí hậu ở đô thị, cần quản lý dữ liệu

12.07.2010 | In ra | Đăng của vso này

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URL của bản tin này: <http://dwr.gov.vn/index.php?rm=News&in=viewst&sid=1344>

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contact: admin@localhost

Source:

<http://www.dwr.gov.vn/index.php?rm=News&in=viewst&sid=1344>

News article from the website of the Institute of Meteorology, Hydrology and Environment

Thứ tư, ngày 18 tháng 08 năm 2010

Hội thảo Việt Đức về biến đổi khí hậu cho các thành phố lớn

Hà Nội ngày 9 tháng 7 năm 2010. Viện Khoa học Khí tượng Thủy văn và Môi trường 62/23 Nguyễn Chí Thanh Hà Nội.

Nhân dịp kỷ niệm 35 năm ngày thiết lập quan hệ ngoại giao giữa Việt Nam và Cộng hòa Liên bang Đức, nhân dịp năm Đức tại Việt Nam 2010, Bộ Giáo dục và Nghiên cứu CHLB Đức đã tài trợ cho Viện Khoa học Khí tượng Thủy văn và Môi trường- Bộ Tài nguyên Môi trường Việt Nam phối hợp với Trường Đại học Kỹ thuật Tổng hợp Brandenburg- CHLB Đức tổ chức Hội thảo quốc tế dưới nhãn đề:

“Thành phố của tương lai- Tương lai của thành phố”

“Ứng phó với biến đổi khí hậu quy mô đô thị- Thông tin không gian cần thiết cho việc hỗ trợ ra quyết định liên quan đến khí hậu các vùng đô thị lớn”.

Nội dung Hội thảo đề cập các biện pháp thích ứng với biến đổi khí hậu trong tương lai đối với các thành phố lớn như thành phố Hồ Chí Minh và Hà Nội trong kế hoạch khung “Kế hoạch thích ứng với biến đổi khí hậu” giữa Việt Nam và CHLB Đức.

Mục đích Hội thảo nhằm tăng cường trao đổi và hợp tác, thiết lập quan hệ đối tác chia sẻ kinh nghiệm giữa các viện nghiên cứu, các tổ chức chính phủ hai nước trong các vấn đề về thích ứng với biến đổi khí hậu cho các thành phố lớn.

Đoàn chuyên gia CHLB Đức gồm 8 thành viên do Tiến sĩ Klaus Mueschen – Trưởng phòng Thích ứng với BĐKH và năng lượng của Cơ quan Môi trường liên bang CHLB Đức dẫn đầu.

Về phía Trường Đại học Kỹ thuật Tổng hợp Brandenburg Cottbus có Tiến sĩ Harry Storch – điều phối viên của chương trình nghiên cứu môi trường thành phố cho Dự án thành phố lớn “Megacity Project” đồng thời là điều phối viên của chương trình Thạc sĩ khoa học Việt Đức về quy hoạch phát triển đô thị.

Tham gia Hội thảo có các đại diện của Bộ Xây dựng, Bộ Khoa học và công nghệ, Bộ Tài nguyên Môi trường, Đại học Kiến trúc Hà Nội, Đại học Xây dựng Hà Nội, Đại học Quốc gia Hà Nội, Đại học Lâm nghiệp, Viện Địa lý- Viện KH và Công nghệ Việt Nam, Viện năng lượng, Viện ứng dụng Công nghệ, Viện Khoa học và kỹ thuật môi trường, Viện Toán học Việt Nam, Viện Chiến lược KH và Công nghệ- Bộ KHCHN, Các Sở Tài nguyên Môi trường, Sở Xây dựng, Sở KHCHN, Sở Giáo dục, Sở Thông tin và Truyền thông, Sở Quy hoạch và Kiến trúc Hà Nội và một số ban ngành khác. Ngoài ra còn có một số đại diện của Trung tâm GTZ tại Hà Nội.

Sau đây là một số hình ảnh hội thảo



Ảnh 1: Các đại biểu tham dự Hội thảo



Ảnh 2 : TS. Nguyễn Văn Thắng- Phó Viện trưởng Viện KH KTTV & MT đọc lời chào mừng Hội thảo



Ảnh 3: TS. Nguyễn Thị Hiền Thuận và các bạn Đức



Ảnh 4: Tiến sĩ Nguyễn Xuân Thịnh và các đại biểu

Viet Nam – German Workshop on Climate Change in Megacities

Hanoi, July 9th 2010

Institute of Meteorology and Hydrology and Environment in Hanoi – IMHEN Address: 62/23 Nguyễn Chí Thanh, Hanoi

To celebrate the 35th anniversary of Vietnam - Germany diplomatic relations and on the “German Year – in Vietnam 2010”, the Germany Ministry of Education and Research sponsored the workshop organised by IMHEN - MoNRE and the Brandenburg University of Technology, Cottbus, Germany entitled:

“The City for Future – The Future of City” “Adaptation Response to Climate Change at the Urban Level –spatial Information Needs for Climate-related Decision Support in Mega-urban Regions”

The workshop outlined solutions for climate-change adaptation for future large cities such as Ho Chi Minh City and Hanoi in an “integrated planning manner to climate change” for Vietnam and German. The workshop aimed to enhance the corporation established and share experiences among research institutes and non-government organizations between the two Countries on climate adaptation of large cities.

The German team had eight specialists including Dr. Klaus Mueschen, Head of the Climate Protection and Energy Unit at the German Federal Environment Agency. Representing Brandenburg University of Technology, Cottbus, Dr. Harry Storch – coordinator of Urban Environmental in the BMBF Megacity Research Project TP HCMC. Dr. Harry Storch is also the coordinator of Vietnamese-German University's Master Program Urban Development Planning.

Other workshop members were representatives from the Ministry of Construction, Ministry of Science Technology, Ministry of Natural Resources and Environment, Hanoi University of Architect, Hanoi University of Construction, Hanoi National University, Hanoi University of Forestry, Sub-Institute of Geography – Vietnam Institute of Science and Technology, Institute of Energy, Institute of Technology Application, Institute of Sciences and Environmental Technology, Institute of Mathematics, Institute of Strategy and Policy on Science and Technology – Ministry of Science and Technology, Department of Natural Resources and Environment, Department of Construction, Department of Science Technology, Department of Education, Department of Information and Communication, Hanoi Department of Architecture and Planning, and other departments' representatives. There were also representatives of GTZ office in Hanoi.

Following a selection photos from the workshop (see photos left)

Photo 1: The Workshop's Members

Photo 2: Dr. Nguyen Van Thang, Vice-Dean of IMHEN, provided the workshops opening greeting.

Photo 3: Dr. Nguyen Thi Hien Thuan and the German specialists.

Photo 4: Dr. Nguyen Xuan Thinh and the workshop members.

Source:

http://www.imh.ac.vn/b_tintuc_sukien/bb_tt_khkt/mlfolder.2010-01-25.6091843748/mlfolder.2010-07-19.0368433231/mlnews.2010-07-19.2483751339

News article from the website of the Department Vietnam Environment Administration



Source:

<http://www.nea.gov.vn/VN/truyenthong/bienidoikhihau/Pages/Th%C3%ADch%EB%A9ngbi%E1%BA%BFn%C4%91%E1%BB%95ikh%C3%ADh%E1%BA%ADu%E1%BB%9F%C4%91%C3%B4th%E1%BB%8B,c%E1%BA%A7nqu%E1%BA%A3n%C3%BDd%E1%BB%AFii%E1%BB%87u.aspx>

News.Superhighway.Vn

Thích ứng biến đổi khí hậu ở đô thị, cần quản lý dữ liệu 12.07.2010 17:10

Ngày 09/07/2010, tại Viện Khoa học Khí tượng Thủy văn và Môi trường, Hà Nội đã diễn ra hội thảo "Các giải pháp thích ứng với biến đổi khí hậu ở cấp đô thị" do Viện Khoa học Khí tượng Thủy văn và Môi trường phối hợp với Trường ĐH Kỹ thuật Cottbul tổ chức, dưới sự tài trợ của Bộ Giáo dục và Nghiên cứu CHLB Đức.

Hội thảo diễn ra nằm trong khuôn khổ các hoạt động kỷ niệm 35 năm ngày thiết lập quan hệ Việt Nam – CHLB Đức, hướng đến chủ đề năm Đức ở Việt Nam 2010 "Thành phố của tương lai – Tương lai của thành phố".

Theo TS Fabian Dosch, Viện nghiên cứu Xây dựng, Đô thị và Phát triển không gian, Bonn, CHLB Đức, bản thân mỗi khu vực nhỏ trong đô thị, có những thiết kế kiến trúc và không gian riêng. Vì thế, giải pháp phù hợp cần phải có quy hoạch không gian và đặc biệt là thu thập dữ liệu liên quan đến khí hậu và lịch sử tác động của ĐKKH lên khu vực đó.

Trong khi nhiều vấn đề về ĐKKH ở Việt Nam trở nên nóng bỏng như phát thải nhà kính, khủng hoảng năng lượng, ngập lụt, hạn hán, nước biển dâng..., các nhà quản lý của Việt Nam có thể học hỏi kinh nghiệm thích ứng với ĐKKH từ thực tiễn của CHLB Đức cũng như các dự án Đức thực hiện ở các nước có đặc điểm tương đồng với Việt Nam.

Một trong những điểm nổi bật mà kinh nghiệm từ nước Đức cho thấy, để có chương trình ứng phó với ĐKKH một cách bền vững, trước hết, Việt Nam cần thiết lập một trung tâm thu thập và quản lý cơ sở dữ liệu gốc về hiện trạng khí hậu tại từng địa phương, vùng hay từng đô thị. Thông qua mô hình dữ liệu này, các nhà hoạch định chính sách sẽ khảo sát khí hậu để đưa ra những kiến nghị hiệu quả.

Một số giải pháp mà CHLB Đức đưa ra, hầu hết dựa trên khảo sát thực tiễn và có thể áp dụng được với Việt Nam. Trong đó, thành lập một cơ quan chuyên cập nhật và quản lý dữ liệu gốc về khí hậu và biến đổi khí hậu là nhiệm vụ cấp thiết của Bộ Tài nguyên Môi trường. Tuy nhiên, nguồn thông tin cần có xu hướng mở và các ứng dụng mang tính phân biệt sẽ đưa ra giải pháp phù hợp nhất, bà Đỗ Tú Lan, Phó Cục trưởng Cục Phát triển Đô thị, Bộ Xây Dựng, nhấn mạnh.

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