



## Technology and Resources Management in the Tropics and Subtropics (TERMA VN)

### *Focus on Water Resources Management*

A joint project of:

Cologne University of Applied Sciences, Germany  
Vietnam Academy for Water Resources, Vietnam

### **Introduction**

Since September 1st 2009 the Cologne University of Applied Sciences and its partner, the Vietnam Academy for Water Resources, offer the M.Sc. program „Technology and Resources Management in the Tropics and Subtropics“ (TERMA VN) in Hanoi, Vietnam. The program is already successfully established and accredited in Germany since several years.



### **Program Objective**

The objective of the M.Sc. “Technology and Resources Management in the Tropics and Subtropics” with focus on “Water Resources Management“ is to provide the students with the necessary skills to make a career in the sectors of water and environment. The core modules of the program cover issues of sustainable development, management and resources planning. This addresses the major challenges of safe and secure water supply, floods, droughts, water pollution and irrigation.



### **Teaching Contents and Aims**

The studies cover a period of four semesters: three semesters of lectures and one semester dedica-

ted to research and writing of the master thesis. The didactic concept consists of technical, management and economic components. All of these components are equally important for the future work of experts and leaders in the water sector. In class, modern methods of teaching are applied such as problem based learning, interactive teaching, concept mapping and computer based learning. The program is taught by Vietnamese and German lecturers.

### **Students currently enrolled in TERMA VN**

We would like to give a warm welcome to the new students who started the master program in 2010! We hope that this will be a successful and informative time for all of you.



*TERMA VN students intake 2010*

Besides the Vietnamese students we welcome particularly the students from other Southeast Asian countries as there is one student from Myanmar and one student from the Philippines in the new intake of 2010. Also three students from the German TERMA master course joined the Hanoi students for the winter term 2010/2011. Currently 40 students are enrolled in the TERMA VN master course. 18 of these students are the new intake of 2010,



*German exchange students*

22 students are the first intake that started in September 2009.

An inauguration ceremony for the new students took place on September 6th 2010 to welcome all new students and also to celebrate the current students and staff of TERMA VN. Attendees were Prof. Dr. Lars Ribbe, director of ITT, Dr. Nguyen Vu Viet, Vice Director of VAWR, lecturers both from Vietnam and Germany, TERMA VN coordination staff as well as the students.



*Inauguration of master course TERMA VN intake 2010*

Six students of the first intake from 2009 are now in Cologne to continue their studies in Germany. Two of them stay for 6 months and four of them will stay 12 months. Because of their outstanding achievement in the master course so far they were chosen for DAAD and CNRD (see more information below) scholarships for their stay abroad.



*Vietnamese Exchange Students in Cologne, Germany*

### **The Project Partners and Supporters**

TERMA VN is a joint venture of the Institute for Technology and Resources Management in the Tropics and Subtropics - ITT (in dependent unit of the Cologne University of Applied Sciences, Germany) and the Center for Training and International Cooperation – CTIC (Center for Training and International Cooperation of the Vietnam Academy for Water Resources, Hanoi, Vietnam). The program is supported through the German Academic Exchange Service (DAAD).



### **Other related projects**

Besides the TERMA VN master course there are two more projects that VAWR and ITT collaborate in.

#### **LUCCI**

The project “Land Use and Climate Change Interactions in the Vu Gia Thu Bon River Basin, Central Vietnam” (LUC-CI) runs for five years and started in July 2010. Based on the initial analysis of the Vu Gia Thu Bon River Basin, the collected and generated data on current and former land uses and vegetation cover, socioeconomic development, climate, hydrology, etc. and the River Basin Information System for the Vu Gia Thu Bon established by FSU Jena, different modelling approaches will be applied and integrated to a holistic model considering socioeconomic and physical information. In close cooperation with the Vietnamese local and national stakeholders and considering their real problems in the project region, general indicators will be defined for the river basin and play a crucial role in the development of future scenarios. In a further step, the results will be applied in the elaboration of appropriate land use and water resources management strategies for the river basin and derive conclusions for

the whole Central Vietnamese region. The last phase of the project is considered for the implementation of the results and capacity building measures within the involved institutions.

For the students of the TERMA VN programme there will be opportunities to get involved with LUCI by team projects, master theses or PhDs. Please ask your module coordinator for more information.

#### **CNRD**

VAWR and ITT are working together in a second project called "Centre for Natural Resources and Development" (CNRD). Here the institutions are part of a worldwide network of partner universities joined together for excellence in sustainable development. Teaching and research in the fields of Integrated water resources management, Land use dynamics and biodiversity, Energy efficiency and renewable energy resources and Regional management are addressed by the partners of CNRD. A Virtual Know-

ledge Centre is being created, scholarships for top master and PhD students are offered. For more information see [www.cnrđ.info](http://www.cnrđ.info)

#### **Application**

The new application phase for the next course commencing on September 1st, 2011 starts on December 15th 2010 and ends in June 30th 2011. A limited number of scholarships is available for TERMA VN students with outstanding achievements. The application form and information about requirements also for scholarships are available on [www.termavn-master.info](http://www.termavn-master.info). Applicants must note that the tuition fee for the intake 2011 is EUR 1600 per year (total cost of the master course: EUR 3200).



#### **Contact and more Information**

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