

Water Resource Management in Development Cooperation

LVA Nr.: 811 332

SS 2011

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Guest lecture:
Gerald Eder: Integrated Water Resource Management - Conceptual Design of the Nile Basin
Decision Support System
Aard Hartveld: Institutions for Integrated Water Resources Management

Course objective: Water resources management forms a huge challenge for water professionals in developing countries that have to cope with growing demands and stagnating supplies. Population growth and modernization processes generate demands for more water but water supplies increasingly become a problem in developing countries. The course aims at enhancing the capacities of young professionals for understanding and dealing with the water resources management challenges.

Course contents: This course will offer the participants a practical set of references for pursuing sustainable development and management of water resources. It starts with making the participants acquainted with the vocabulary and discourses on IWRM in the context of developing countries. It exposes them to the analytical tools for diagnosing environmental technical, socio-cultural, socio-economic and institutional causes of concrete water problems. The participants will learn to work with the Toolbox for Integrated Water Resources Management, which the Global Water Partnership has developed and updates, and to fit these tools to the local and regional context of the concrete problems through interaction with local stakeholders.

Course organization: This course will be given in 9 sessions of 3 hours in March/April 2011. Participants are requested to read the relevant literature sections of the IWRM ToolBox as preparation, provided on the Web Site of the Institute.

Training method: The training methods used, involves short theoretical inputs and demonstrations, followed by experience sharing, or group work followed by short inputs that provided a theoretical framework for the group presentations. To ensure that the course remains practice-oriented, it will use case studies that illustrating the link policy and practice, and the barriers that need to be overcome to practice innovative concepts and ideas. The ToolBox that the Global Water Partnership is developing for IWRM practitioners will be used as reference framework throughout the training.

Course outline:

Day 1	<ul style="list-style-type: none">• Introduction of the organization and agenda of the course• Introduction to water resources management in developing countries• Global water management issues
	<ul style="list-style-type: none">• Why Integrated Water Resources Management? and IWRM principles• Global and river basin organizations for IWRM dialogues and capacity building• How the IWRM Toolbox helps and is structured• IWRM enabling environment
Day 2	<ul style="list-style-type: none">• IWRM Management instruments• Understanding resources and needs• National integrated water resources and basin management plans• Examples from Nile and Punge river basins
	<ul style="list-style-type: none">• Organizational framework for water governance at national and river basin level• Regulatory instruments• Economic instruments
Day 3	<ul style="list-style-type: none">• Institutions in the water sector – conceptual issues and approaches• Institutional Reform of the water sector – comparing the reform process in a northern and a southern country• Privatization – options and concepts for public – private partnerships in the water sector• Design and management of Fayoum Irrigation System

Day 4 / 5	<ul style="list-style-type: none"> • Participatory planning, monitoring and evaluation tools for the water sector • Organization of group exercise to develop logical framework for water sector project • Logical Framework Analysis and alternatives
	<ul style="list-style-type: none"> • Presentation of results group work • Evaluation of course

Literature

- Global Water Partnership, Technical Advisory Committee 2009 : **ToolBox** Integrated Water Resource Management <http://www.gwptoolbox.org/>
- European Commission, Directorate-General for Development 1998: Towards sustainable water resources management, Guidelines for water resources development cooperation; A Strategic Approach http://waterwiki.net/index.php/Towards_sustainable_water_resources_management_-_a_strategic_approach
- Global Water Partnership, The World Bank 2006: Sustainable Groundwater Management, Concept and tools <http://www.gwpcentroamerica.org/uploaded/content/article/973938087.pdf>

Calendar:

Mo. 28.03.2011	14:00 - 16:00
Tu. 29.03.2011	09:00 - 16:00
Thu 31.03.2011	09:00 - 16:00
Fri. 01.04.2011	09:00 - 16:00
Mo. 04.04.2011	13:15 - 16:15
Tu. 05.04.2011	13:00 - 16:00