

# Virtual Course

## Sustainable Water Management

### Part I: Principles and Concepts for a Water Management Framework



Water is at the core of sustainable development. Water resources, and the range of services they provide, underpin poverty reduction, economic growth and environmental sustainability. From food and energy security to human and environmental health, water contributes to improvements in social well-being and inclusive growth, affecting the livelihoods of billions.

This virtual course offers participants updated and compiled contents referred to sustainable water management in a climate change context.

September 1 – November 13, 2015

[campus.cap-net.org](http://campus.cap-net.org)

#### **Objective**

To strengthen capacities and update key technical concepts and principles in support of sustainable water management.

#### **Learning objectives**

By the end of the course participants will:

- understand the main concepts and principles behind sustainable water management;
- understand the need for effective changes and have access to elements for strategic development;
- understand the relevance of transversal aspects as human rights based approaches, water integrity, and gender mainstreaming, for implementation in a water governance framework;
- have access to updated quality materials in support of specific subject areas for sustainable water management.

#### **Approach**

The course embraces the concept of problem based learning and change management, oriented to understanding and implementing drivers and strategies for sustainable water management.

#### **Participants**

The course is open to a maximum of 40 participants representing various stakeholder groups from the entire water sector world-wide:

- Capacity developers;
- Stakeholders and professionals involved in water management;
- Decision makers, policy makers, and high-level professionals and managers active in governmental bodies.

As this is an introductory course, participants are not expected to have previous knowledge on water management.

## Language:

The course will be conducted in English. Cap-Net's virtual courses will be available in other languages soon.

## Contents and Course Structure

The course is structured by modules. Each module will run in over 10 days (1.5 weeks), during which course participants must read a basic contents and participate in suggested activities.

September 1-6	•Opening: Introduction to Cap-Net's Virtual Campus
September 7-16	•Module 1: Introduction to Sustainable Water Management in a Climate Change Context
September 17-27	•Module 2: Legal and Institutional Frameworks
Sept. 28 - October 7	•Module 3: Economics in Sustainable Water Management
October 8-18	•Module 4: Transversal aspects I: HRBA and Water Integrity
October 19-28	•Module 5: Transversal aspects II: Mainstreaming gender, participation and negotiation
October 29-8	•Module 6: River basin management and strengthening River Basin Organizations
November 9-13	•Participants feedback and course closure

### Registration/Application Procedure (IMPORTANT: PLEASE READ CAREFULLY)

There will be no course fee. However participants will be selected by the organizing committees based on gender, professional background, and geographic balance, as well as their motivation and commitment to participate throughout the entire course.

Interested participants must complete the [online registration form](#) and submit the following documentation to [virtualcampus@cap-net.org](mailto:virtualcampus@cap-net.org) with subject "Sustainable Water Management virtual course registration", **before Friday, August 28, 2015**. **Due to overwhelming responses, only selected participants will be contacted via email.**

1. **Required. A 1-page profile, describing:** educational and professional background; experience in water resources management, water capacity development, or decision making; participation in networks and/or alliances; any other relevant information related to the course subject.
2. **Required. A 1-page motivation and commitment letter:** explaining your interest in participating in the course; availability to dedicate at least 4 hours per week during the course duration and participate in the course activities; and your expectations in terms how will you apply and share the acquired contents in your field of work and with your colleagues.

**3. Optional. A 1-page letter of institutional support:** through which the institution where you work expresses interest in your participation in the course; explains why this will be an important training for you and the institution.

**Course features**

In all 6 modules, participants are expected to:

- Read the basic contents in each module
- Participate in online forum discussions
- Prepare an individual or group exercise
- Respond –by the end of the module- a set of multiple choice questions
- Optional: Participate in a live session

Participants will also have access to other (optional) recommended readings, videos, and web links.




**Participants expected dedication**








Participants are expected to dedicate a total 4 hours per week to the course. This is estimated on the basis of 1 hour per day (4 days a week), or two connections per week, 2 hours for each connection. This will add up to a total of 40 hours for the full course, in line with a 5-days face to face course.

This time dedication should be sufficient to review base contents and participate in all activities (forums, exercises, multiple choices). More time will be required for participants who wish to read other suggested readings and related videos.

**Facilitators and training materials**

Course contents will be facilitated by a team of specialists from the Cap-Net Secretariat and affiliated networks. A course coordinator and the virtual campus technical support team will be present along the entire course. Contents are based in existent training manuals and tutorials prepared by Cap-Net in collaboration with various partners.

	<p><b>Mariana Valls</b></p> <p>Mariana is a lawyer, specialized in environmental law and legal frameworks design. She is President of the think tank ECOJURE, Counselor at the Environmental Protection Authority of Chubut, environmental law counsellor at The Nature Conservancy, academic judge of "Caring for our Watersheds" Programme, and also works as consultant for the World Bank. She has the been Director of Legal Framework at Argentine Secretary of Environment and author of the book: "Environmental Law. The main environmental problems that Argentina has to face at the end of the Century" and more than 40 articles, chapters of books and research papers.</p>
	<p><b>Alejandro Rossi</b></p> <p>Alejandro is a lawyer, specialized in administrative law, water law and environmental law. With more than 20 years of experience, he has been developing innovative strategies for legal diagnosis, institutional design and legal frameworks for integrated water management. Nowadays he works as the Regional Environmental Advisor in Latin America and the Caribbean at United Nations Office for Project Services.</p>
	<p><b>Dr. Carlos Díaz Delgado, REMERH</b></p> <p>Dr. Carlos Díaz Delgado has a PhD and postdoctoral studies at University of Laval in Quebec, Canada. He is researcher at the Inter American Centre for Water Resources from UAMex. He is the chairperson of the LA-WETnet Steering Committee, Manager of REMERH, and Coordinator of the Lerma Network. He has an extensive experience in water management projects, and as a capacity builder. He has published over 200 papers and 10 books, and received various recognitions.</p>

	<p><b>Valeria Mendoza, INA-CELA &amp; ArgCap-Net</b></p> <p>Valeria is an economist with specialisation in education and environmental management. She is researcher at the National Water Institute in Argentina since 1993. At the university she is a Professor of Economy II and has participated as a trainer in numerous postgraduate courses. She was the network manager of ArgCap-Net during 2010-2014.</p>
	<p><b>Dr. Armando Llop, INA-CELA &amp; ArgCap-Net</b></p> <p>Dr. Armando Llop is an agronomist with a PhD in Agricultural Economics, University of California, Davis. He serves as the Director for the Center for Economy, Legislation and Water Management (INA-CELA). He teaches Economics of Natural Resources and Environment and is Director of the Master in IWRM programme. He has written many papers and conducted research projects and served as consultant to IDB, ECLAC, GTZ, UNDP, WMO, IFAD, FAO and governments of Latin American countries.</p>
	<p><b>Eduardo Comellas, INA-CELA &amp; ArgCap-Net</b></p> <p>Eduardo is an economist with a MSc. in Economics and Business Administration and a MSc. in Integrated Water Resources Management. He is currently a candidate for MSc. in Sustainable Development and Spatial Planning.</p>
	<p><b>Yasmina Rais El Fenni, Cap-Net UNDP</b></p> <p>Yasmina Rais El Fenni holds a MPA in Public Administration from the University of Roskilde, Denmark. She is specialized in economics, with a strong focus on gender issues.</p>
	<p><b>Dr. Indika Gunawardana, Cap-Net UNDP</b></p> <p>Dr. Indika Gunawardana holds a PhD and MSc in Integrated Water Resources Management (IWRM) from Postgraduate Institute of Agriculture (PGIA), and BSc in Agriculture specializing in Agricultural Engineering from University of Peradeniya, Sri Lanka.</p>
	<p><b>Ivan Pavletich, Cap-Net UNDP</b></p> <p>Ivan Pavletich is an Industrial Engineer with finance specialization and holds a MA in Social Management and diploma in Governance and Political Management from the George Washington University.</p>
	<p><b>Damian Indij, Cap-Net UNDP (Facilitator and Course Coordinator)</b></p> <p>Cap-Net's Virtual Campus Coordinator and Manager of the Latin America Water Education &amp; Training Network (LA-WETnet). Damian has facilitated water related courses in Latin America, Africa, Asia, and Europe, and participated as team member for the development of various training manuals, including Water Integrity.</p>

### Cap-Net UNDP

Cap-Net is an international network for capacity development in sustainable water management. It is made up of a partnership of autonomous international, regional and national institutions and networks committed to capacity development in the water sector. At Global level Cap-Net works with 23 regional and country level capacity development networks with about 1.000 member organisations in 120 countries, and numerous international partners. Cap-Net UNDP delivers training and education to water professionals in Asia, Africa, Middle East, Latin America and the Caribbean.

For more information and registration visit  
Or contact

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