



ONLINE TRAINING COURSE | 4 WEEKS

INTRODUCTION TO INTEGRATED WATER MANAGEMENT



DURATION
4 weeks



LOCATION
online



FEES (Inc. GST)*
AUD \$398



OUTCOME
Certificate of Excellence or
Certificate of Participation

Globally, fresh water is an abundant resource, yet there are still hundreds of millions of people worldwide who do not have access to a safely managed clean drinking water source and sanitation facilities (UN 2018). The number of developing and developed countries facing severe water-stresses is on the rise, and the OECD projects that demand from agriculture, manufacturing, electricity generation and domestic use will continue to grow, making fresh water one of the most contested resources on the planet. This global water crisis fuels conflict and uncertainty, undermining productive economies and increasing political instability. But, this crisis is not one of finite resources. Instead, the issue is how we manage water.

Equitable and efficient management of water is fundamental for enabling sustainable development and achieving the United Nations Sustainable Development Goal 6 (SDG6). This requires an integrated approach that ensures that we manage water, not just for basic human needs, but also for the maintenance of environmental services that are critical for healthy and functioning economies.

About this course

What is Integrated Water Management? How can adopting an integrated approach allow us to respond to complex water management problems now and in the future?

In this online course you will be given an introduction to the theory and principles of Integrated Water Management (IWM) and will investigate the conceptual frameworks used to critically analyse water management problems and identify sustainable solutions.

The course will demonstrate the relevance of context-specific interventions and stakeholder participation essential to IWM in practice. International case studies will also allow you to gain an applied knowledge of IWM.

Key topics

The online course covers:

- theory and frameworks for IWM
- water management: the heart of sustainable development?
- inclusive IWM: participation and collaboration for inclusive outcomes
- IWM in practice: case studies and applying IWM.

* Group discounts are available for organisations or groups of participants. We also offer a discounted rate to participants from low-income countries. Please contact the IWC training team at training@watercentre.org for further information.

INTRODUCTION TO INTEGRATED WATER MANAGEMENT

Learning objectives

By the end of this online course, participants will have gained knowledge of the fundamental aspects of IWM, including:

- the history and evolution of IWM theory and practice
- principles and frameworks that guide IWM
- key biophysical and socio-economic processes in the water cycle
- understanding the complexity associated with water management
- understanding why integration and systems approaches are required to deal with complexity to achieve sustainable management
- understanding the challenges associated with implementing IWM
- understanding of context-specific factors that influence IWM at basin, national and trans-boundary scales
- the importance, and different levels of, participation and collaboration
- exposure to international case studies.

Benefits to the employer

This online course encourages the understanding and application of IWM theory and principles. Employees who undertake this course will have gained knowledge in:

- IWM theory and practice through international case studies
- how IWM has the potential to deliver multiple benefits to the environment, communities, organisations
- critical analysis skills and frameworks to conceptualise complex water management problems.

Participants will also be introduced to a global group of participants, for peer-to-peer sharing of scenarios, challenges and initiatives, as well as future network building.

Who should enrol?

This online course is for those who want to gain a basic understanding of IWM. It would benefit practitioners, policy makers, decision makers, students, utility directors and employees of water associations.

You do not need a background in water to enrol. You simply need a passion and interest in driving positive change.

Our online courses

Custom-designed for practitioners, our online courses address critical sectoral issues and provide participants with the practical and technical skills they need to drive positive change in the complex world of integrated water management.

Our online training courses are built on our strong understanding of education and adult learning, and offer participants an active learning experience. Students engage with teachers and their peers through an interactive, global online classroom, using flipped-learning approaches, quizzes and discussion forums.

Course requirements

Online classes will be held during daylight hours, Australian Eastern Standard Time. Approximately four hours per week will be required to study materials and participate in online classes.

You will also need access to a computer with:

- a minimum internet speed of 256 kb/ second (to participate in live classrooms)
- a headset with built-in microphone
- either Microsoft Windows (version XP or greater; Windows Vista, Windows 7 or 8) or Apple OSX (version 10.2 or greater).

Permission to download, install and run software on your computer may be required.

Facilitator



Pablo Orams
Senior Project Officer
International WaterCentre

Pablo is a dynamic and highly motivated water specialist with a desire to influence the development of sustainable communities. He trained as an industrial engineer at the University of Lima, Peru, and had a successful career in the Peruvian manufacturing sector. There he gained experience in systems and process analysis, skills he would later complement with studies in Environmental Management at Pontifical Catholic University, Peru.

Focused on using his knowledge and experience to effect real global change, Pablo came to Australia in 2011 to complete a Master of Integrated Water Management, where he pursued an urban-focused specialisation in IWRM. Pablo joined the IWC team in 2013, and is involved in developing and delivering training programs to improve the capacity of water professionals around the world.

Active learning format

Our online training is designed to be highly interactive, encouraging participants to actively engage with teachers and their peers to discuss issues, share ideas and understand the application of new knowledge in a range of contexts and real-world scenarios.

More information

Visit watercentre.org

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