



GEF UNEP MedProgramme Child Project 2.1 “Mediterranean Coastal Zones, Water Security, Climate Resilience and Habitat Protection”

UNESCO-IHP Component 2 on “Management of Coastal Aquifers and Related Ecosystems”



**Regional Training Course on
“Conjunctive Management of Surface and Groundwater in the
Mediterranean”**

17-19 May 2023

Confederación Hidrográfica del Júcar (CHJ), Valencia, Spain

Final Agenda

16 May 2023	
20h30	Welcome dinner
DAY 1 – 17 May 2023	
08h30 Accreditation a the Jucar River Basin Authority	
9h00 - 11h30	
Welcoming Remarks	
<ul style="list-style-type: none">• Abou Amani, Director, Division of Water Sciences, UNESCO• Teodoro Estrela Monreal, Water General Director, Ministry for the Ecological Transition and the Demographic Challenge of Spain (MITERD)• Miguel Polo Cebellán, President, <i>Confederación Hidrográfica del Júcar</i> (CHJ)• Inmaculada Paniagua Brieva, Technical Advisor, Spanish Agency for International Development Cooperation (AECID)	
Opening Remarks	
<ul style="list-style-type: none">• Introduction to UNESCO’s component of the GEF UNEP MedProgramme: Jose Luis Martín Bordes, Technical Advisor, UNESCO-IHP• Introduction to the Training Course: Ramiro Martínez Costa, MENBO Coordinator	
Roundtable of national institutions’ representatives	

Albania, Bosnia and Herzegovina, Lebanon, Libya, Mauritania, Montenegro, Morocco, Tunisia.

10h15 - 10h30 **Coffee Break**

Theme 1

Introduction to Conjunctive Use (2h)

Trainer: Joaquín Andreu, Polytechnic University of Valencia

1. Planning and management of water resources
2. Concepts of guarantee, resilience and risk
3. Definition of conjunctive use and integrated management of water resources systems
4. Potential advantages
5. Typology of conjunctive use
6. Governance aspects of conjunctive use

Discussion and intervention of national institutions’ representatives

11h30 – 13h30

Theme 2

Surface water characterisation (2h)

Trainer: R. Bergillos, Polytechnic University of Valencia

1. Introduction
2. Precipitation runoff models
3. EVALHID Model – examples
4. Generation of future series

Discussion and intervention of national institutions’ representatives

13h30 - 15h00 Lunch at the Jucar River Basin Authority

15h00 - 17h00

Theme 3

Groundwater characterization (2h)

Trainer: E. Cassiraga, Polytechnic University of Valencia

1. Hydrogeological research
2. Groundwater Modelling
3. Model MODFLOW – examples
4. Examples. Aquifer of *Plana Sur de Valencia*, and wetlands of *The Albufera*

Discussion and intervention of national institutions’ representatives

DAY 2 – 18 May 2023	
9h00 - 11h00	
Theme 4 Integrated modelling of water resources management (4h) Trainers: A. Solera/R. Bergillos, Polytechnic University of Valencia	
<ol style="list-style-type: none"> 1. Concept and need for a modelling of integrated management of water resources systems 2. Simulation and optimisation models 3. Operating rules 4. Decision Support Systems - Aquatool System 5. SIMGES Model for the analysis of conjunctive use 	
<i>Discussion and intervention of national institutions’ representatives</i>	
11h00 – 11h30	Coffee Break
11h30 - 13h30	
Theme 4 (cont.) Integrated modelling of water resources management (4h) Trainers: A. Solera/R. Bergillos, Polytechnic University of Valencia	
13:30 - 15:00	Lunch at the Júcar River Basin Authority
15h00 - 17h00	
Theme 5 Examples of conjunctive use in planning and management (2h) Trainers: Joaquín Andreu/J. Paredes, Polytechnic university of Valencia	
<ol style="list-style-type: none"> 1. Conjunctive use and quality management - Simplified quality model in the Wetland of <i>Albufera</i> of Valencia 2. Conjunctive use in the <i>Júcar</i> River Basin 3. Conjunctive use and drought management 4. Economic aspects of conjunctive use 	
<i>Discussion and intervention of national institutions’ representatives</i>	
17h00 – 18h00 The way forward for the organization of the National Dialogues on Conjunctive Management of Surface and Groundwater Moderator: Jose Luis Martín Bordes, Technical Advisor, UNESCO-IHP	
DAY 3 – 19 May 2023	
09h00 – 17h	
Transport to the field visit Site	
09h00 - 14h00	
Field Visit: Coastal wetland of <i>Albufera</i> of Valencia	

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14h00 - 15h30	Lunch at <i>Albufera</i> of Valencia
16h00	Return to Valencia (hotel/airport)