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Activity Number: RW-7-REG/ST

Regional Training and Study Tour on optimal irrigation management

AGENDA

12-16 June 2023 - CIHEAM Bari, Italy

DAY 1 (Monday June 12, 2023)	
Training module 1: Water management at the scheme level – Part 1	
7:45	Meeting in the hotel lobby
08:00	Leaving hotel To CIHEAM Bari (bus ride of 20-30 min, depending on traffic)
08:30	Registration of participants
09:00	<div> Opening ceremony and Overview of the objectives of the training and study tour by: <ul style="list-style-type: none"> CIHEAM Bari WES Project </div> <div> Dr. Maurizio Raeli, Director / Dr. Nicola Lamaddalena, Deputy director, CIHEAM Bari Evie Litou/WES Project Coordinator </div>
09:15	<div> Training module 1: Water management at the scheme level <ul style="list-style-type: none"> QUIZ – Pre-training General introduction to Module 1 </div> <div> Dr. Nicola Lamaddalena, CIHEAM Bari </div>
10:30 -11:00	Coffee Break
11:00	<div> Large scale pressurized irrigation systems <ul style="list-style-type: none"> General introduction Design and performance assessment Operation and management of large-scale irrigation systems: Capitanata case study </div> <div> Dr. Nicola Lamaddalena, CIHEAM Bari </div>
13:00 -14:00	Lunch Break
14:00	<div> Design and performance analysis of large-scale pressurized irrigation systems using decision support systems <ul style="list-style-type: none"> Introduction to COPAM Showcasing </div> <div> Dr. Nicola Lamaddalena, CIHEAM Bari Dr. Abdelouahid Fouial, CIHEAM Bari </div>
15:30 -16:00	Coffee Break
16:00	<div> Presentation of WES Demo Project in Lebanon: </div> <div> Representative from the Istituto Oikos </div>





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<ul style="list-style-type: none"> Saving Water, Growing Crops: remote-controlled irrigation system to address water scarcity and promote preservation of available freshwater resources Q&A 	
17:00 <i>End of Day 1 (Return to hotel)</i>	

DAY 2 (Tuesday June 13, 2023)	
Training module 1: Water management at the scheme level – Part 2	
8:15 <i>Meeting in the hotel lobby</i>	
08:30 <i>Field Visit (From the hotel, bus ride to San Ferdinando around 1.5 hours, depending on traffic)</i>	
<ul style="list-style-type: none"> Field visit to a local Water User Association “Capitanata Consortium” near Foggia (management strategies of large-scale irrigation distribution systems, infrastructure) 	Dr. Nicola Lamaddalena, CIHEAM Bari Dr. Abdelouahid Fouial, CIHEAM Bari
13:00 -14:00 <i>Lunch Break (Local restaurant)</i>	
<ul style="list-style-type: none"> Return to CIHEAM BARI 	
16:00 -16:30 <i>Coffee Break</i>	
16:30 <i>End of Module 1</i> <ul style="list-style-type: none"> Discussions and Conclusions 	
17:00 <i>End of Day 2 (Return to hotel)</i>	

DAY 3 (Wednesday June 14, 2023)	
Training module 2: On-farm irrigation management	
8:15 <i>Meeting in the hotel lobby</i>	
08:30 <i>Leaving hotel to CIHEAM Bari (bus ride of 20-30 min, depending on traffic)</i>	
09:00 <i>Training module 2: On-farm irrigation management</i>	Dr. Roula Khadra, CIHEAM Bari
<ul style="list-style-type: none"> General introduction to Module 2 Interfacing off- and on-farm irrigation systems: constraints and opportunities for a better management. 	Dr. Roula Khadra, CIHEAM Bari
10:30 -11:00 <i>Coffee Break</i>	
11:00 <i>Solar energy for sustainable agriculture: theory and practice</i> <ul style="list-style-type: none"> Challenges and opportunities Prospects of promoting the sustainable use of solar pumping through technology and policies. 	Dr. Abdelouahid Fouial, CIHEAM Bari
12:00 <i>Innovative solutions towards enhanced on-farm management</i> <ul style="list-style-type: none"> Challenges and opportunities 	Dr. Roula Khadra, CIHEAM Bari





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12:45 Open discussions	Dr. Roula Khadra, CIHEAM Bari
13:00 -14:00 Lunch Break	
14:00 Field visit and practical exercises <ul style="list-style-type: none"> On-site training (CIHEAM Bari): Technical Tour demonstrating the digital agriculture lab, research for development experimental site (smart irrigation, solar energy/agrivoltaic) Practical exercises 	Dr. Roula Khadra, CIHEAM Bari Dr. Abdelouahid Fouial, CIHEAM Bari
15:00 -16:00 Coffee Break	
16:00 End of Module 2 <ul style="list-style-type: none"> Discussions and Conclusions 	
17:00 End of Day 3 (Return to hotel)	

DAY 4 (Thursday June 15, 2023)	
Training module 3: Safe reuse of non-conventional water resources in agriculture – Part 1	
8:15 Meeting in the hotel lobby	
08:30 Leaving hotel to CIHEAM Bari (bus ride of 20-30 min, depending on traffic)	
09:00 Training module 3: Safe reuse of non-conventional water resources in agriculture	Dr. Gaetano Vivaldi, University of Bari “Aldo Moro”
<ul style="list-style-type: none"> General introduction to Module 3 Transitioning to a Water-Smart Society 	Dr. Gaetano Vivaldi, University of Bari “Aldo Moro”
10:00-11:00 Coffee Break	
11:00 <ul style="list-style-type: none"> Reclaimed water treatment, standards, and reuse: Apulia Region context A user-friendly tool for a sustainable reuse of reclaimed water in agriculture 	Dr. Gaetano Vivaldi, University of Bari “Aldo Moro”
13:00 -14:00 Lunch Break	
14:00 Hands-activity: <ul style="list-style-type: none"> Explore international guidelines to compare and interpret the difference between water quality standards for reuse in agriculture 	Dr. Gaetano Vivaldi, University of Bari “Aldo Moro”
15:00 -16:00 Coffee Break	
16:00 Presentation of WES Demo Project in Gaza: <ul style="list-style-type: none"> Enhance the resilience of vulnerable communities through efficient water solutions and addressing climate change in the Eastern area of Khan Younis in the Gaza Strip 	Representative from Oxfam
16:30 Presentation of WES Demo Project in in Jordan and Tunisia: <ul style="list-style-type: none"> Water efficient Innovative Solutions Portfolio for Enhancing Resilience – WISPER implemented by in Jordan and Tunisia 	Representative from the Istituto per la Cooperazione Universitaria ICU- Onlus





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16:55 Q&A	
17:05 End of Day 4 (<i>Return to hotel</i>)	

DAY 5 (Friday June 16, 2023)	
Training module 3: Safe reuse of non-conventional water resources in agriculture – Part 2	
7:45 Meeting in the hotel lobby	
08:00 Field Visit (From the hotel, bus ride to Gallipoli over 2 hours, depending on traffic)	
<ul style="list-style-type: none">Field visit to Gallipoli tertiary treatment plant	Dr. Gaetano Vivaldi, University of Bari “Aldo Moro”
13:00 -14:00 Lunch Break (Local restaurant)	
<ul style="list-style-type: none">Demonstration case study of olive and pomegranate orchards irrigated with reclaimed waterReturn to CIHEAM BARI	Dr. Gaetano Vivaldi, University of Bari “Aldo Moro”
17:00 End of Module 3 <ul style="list-style-type: none">Post Training QUIZDiscussions and Conclusions	
17:15 -17:30 Coffee Break	
17:30 Closing of the Regional Training and Study Tour <ul style="list-style-type: none">Evaluation of the training	
17:45 End of Day 5 (Return to hotel)	

