

Water4Crops



Water4Crops-EU Project
Kickoff meeting – 30th/31st October 2012 – Rome (Italy)
Hosting Partner: IRSA-CNR (Italy)
Venue: CNR - Head Quarter in Rome

AGENDA

Tuesday 30 October

08:30-09:30 Arrival of participants.

09:30-09:45 Welcome speech (A.Lopez –IRSA).

09:45-10:05 Overview of the W4Cs-INDIA project (S.Wani – ICRISAT).

10:05-10:25 Overview of the W4Cs-EU project (A.Lopez – IRSA).

10:25-11:00 Coffee Break

WP5 - Identifying business opportunities and integration of solutions

11:00-11:20 – **WP5 Overview** (C. Siderius – ALTERRA; J. Froebrich – ALTERRA).

11:20-12:20 Task 5.1: Establishment of INNOVA co-creation platforms for the Mirror case (C. Siderius – ALTERRA).

Task 5.2: Future trends and boundary conditions (C. Siderius – ALTERRA).

Task 5.3: Co-creation and innovation at INNOVA platforms-> defining input to technology development (C. Siderius – ALTERRA).

Task 5.4: Evaluation of shortlisted business opportunities (C. Siderius – ALTERRA).

Task 5.5: Synthesis of results from technology research to INNOVA at mirror case: defining input to business development (C. Siderius – ALTERRA).

Task 5.6: Screening of the identified stakeholders (S. Yüce – STEP).

12:20-13:30 Lunch

WP2 - Innovative municipal wastewater bio-treatment for agricultural reuse

13:30-13:40 - WP2 Overview (A. Lopez - IRSA).

Task 2.1: Technology based treatments [IRSA-a, IRSA-b, IRSA-c, FHNW; IRSA]

13:40-14:00 *Sub-task 2.1.1: Pilot scale investigation on biotreatment coupled to surface filtration for agricultural effluent reuse* (Pollice - IRSA-a).

14:00-14:20 *Sub-task 2.1.2: Wastewater reuse by an innovative reactor with low environmental impact* (Di Iaconi - IRSA-b).

14:20-14:40 *Sub-task 2.1.3: Immobilized enzymes as biocatalysts in tertiary treatments* (Corvini Philippe - FHNW)

14:40-15:00 *Sub-task 2.1.4: Microbiological quality assessment of treated wastewater* (C. Levantesi - IRSAc).

Task 2.2: Plants based systems [UFZ, UNICT, TUC, IRSA-3, Phytorem, Bioplanta, Envinhealth]

15:00-15:20 *Sub-task 2.2.1: Improved hygienization of Constructed Wetlands* (J. Mueller -UFZ).

15:20-15:40 *Sub-task 2.2.2: Investigation of CW hydraulics and hydrology* (A. Toscano - UNICT).

15:40-16:00 *Sub-task 2.2.3: Optimizing heavy metals and N removal in CW* (N. Kalogerakis - TUC).

16:00-16:20 *Sub-task 2.2.4: Innovation in CW design* (V. Arfi - Phytorem).

WP3 - Efficient water use in Irrigated Agriculture

16:20-16:30 - WP3 Overview (R. Ragab - NERC)

16:30-16:50 Task 3.1: Proper selection of the irrigation systems (A. Battilani – CER).

16:50-17:10 Task 3.2: Proper selection of the irrigation strategies (A. Battilani – CER).

17:10-17:30 Task 3.3: Improving irrigation performance to increase water use efficiency, prevent adverse impacts and assure durability (B. Molle – IRSTEa).

17:30-17:50 Task 3.4: New Technologies for actual evapotranspiration (Eta) and soil moisture measurements (R. Ragab – NERC).

17:50-18:10 Task 3.5: Impact modelling at field scale (R. Ragab – NERC).

18:10-18:30 Task 3.6: Improvement of water use efficiency at basin scale (A. Lo Porto – IRSA-d).

End of session

Wednesday 31 October

WP4 - Improving WUE and drought tolerance of maize, sorghum, millet and tomato via genomics approaches and modelling

08:30-09:00 – WP4 Overview (S. Salvi - UNIBO)

09:00-10:20 Task 4.1: Molecular characterization of maize isogenic materials (S. Salvi – UNIBO).

Task 4.2: Mapping and characterization of QTLs for roots and WUE in maize and tomato (S. Salvi – UNIBO).

Task 4.3: Testing the effect of a major QTL for seminal roots on WUE and agronomic traits in maize (P. Meriggi – HORTA).

Task 4.4: Fine mapping of a major QTL for seminal roots in maize (S. Salvi – UNIBO).

Task 4.5: Comparative analysis of physiology and agronomic performance of maize, sorghum and millet under different water regimes (S. Salvi – UNIBO; INRA).

Task 4.6: Modelling the interaction between irrigation techniques and genotypes of maize, sorghum and millet in typical climates of Europe and India (S. Salvi – UNIBO; INRA).

Task 4.7: Scientific management support (S. Salvi – UNIBO)

10:20-10:50 Coffee break

WP1 - Valorization, treatment and reuse of agrofood industry wastewaters

10:50-11:05 - WP1 Overview (H. De Wever - VITO)

11:05-11:25 Task 1.1: Evaluation on the exploitation of the target wastewaters (L. Bertin – UNIBO; VITO)

11:25-11:45 Task 1.2: Combinatorial polymers for the specific recovery of valuable phenols from water (P. Shahgaldian – FHNW)

11:45-12:05 Task 1.3: Assessment of reductive treatment train for valorization of biorefinery wastewater (H. De Wever – VITO)

12:05-12:25 Task 1.4: Development of a multipurpose and modular biorefinery for the obtainment of suited water for irrigation and valuable products for agriculture from olive mill wastewaters (L. Bertin – UNIBO)

12:30-13:30 Lunch

WP6 - Dissemination and technology transfer

13:30-13:40 - WP6 Overview (S. Yüce - STEP)

13:40-14:15 Task 6.1: Exchange of experiences and results within the INNOVA innovation platforms (S. Yüce – STEP; ALTERRA).

Task 6.2: Organization of special local businesses and SME knowledge brokerage event: establishment of the Science Practice interface (S. Yüce – STEP).

Task 6.3: Providing Mass Media dissemination (S. Yüce – STEP; IRSA).

Task 6.4: Dialogue with EU delegations on Green Economy (S. Yüce – STEP; ALTERRA).

Task 6.5: Capacity building (S. Yüce - STEP).

Task 6.6: Disseminate the project results to wider communities (S. Yüce – STEP; ALL PARTNERS).

Task 6.7: IPR safe-guarding (S. Yüce – STEP).

WP7 - Management and Coordination

14:15-14:25 - WP7 Overview (A. Lopez - IRSA)

14:25-15:00 Task 7.1: Communication and exchange with the European Commission (A. Lopez – IRSA).

Task 7.2: Establishment and management of communication procedures and tools for facilitating exchange among partners and joint consortia (A. Lopez – IRSA).

Task 7.3: Organisation and follow up of co-ordination meetings among the partners (A. Lopez – IRSA).

Task 7.4: Financial and administrative management of the project (A. Lopez – IRSA).

Task 7.5: Timing monitoring of project activities, work progress, reports from the partners, deliverables (A. Lopez – IRSA).

Task 7.6: Management of knowledge generated by the project in accordance to the provisions included in the EU contract and the Consortium Agreement and co-ordination of the innovation related activities (A. Lopez – IRSA).

15:00-15:20 **Administrative Issues** (A. Lopez – IRSA)

15:20-16:30 **Work Plan Discussions between India and EU Partners** (S. P. Wani/ICRISAT A. Lopez/IRSA)

END OF MEETING