

Water4Crops Consortium

Water4Crops brings together an Indo-European consortium of 14 Indian and 22 European organizations belonging to different categories - research institutes, universities, large and small industries.

Indian Consortium Partners

- International Crops Research Institute for the Semi-Arid Tropics (ICRISAT) - Consortium Leader
- The Energy and Resources Institute (TERI)
- University of Agricultural Sciences Dharwad (UASD)
- MS Swaminathan Research Foundation (MSSRF)
- National Environmental Engineering Research Institute (CSIR-NEERI)
- Jain Irrigation Systems Limited (JISL)
- Euro India Research Centre (EIRC)
- SABMiller (SABM)
- University of Agricultural Sciences Bangalore (UASB)
- Praj Matrix (PRAJM)
- Ugar Sugar (UGSG)
- Larsen & Toubro (L&T)
- Ion Exchange
- JalaSRI, Watershed Surveillance and Research Institute from Moolji Jaitha College, Jalagaon

PROJECT COORDINATOR - INDIA

Dr. Suhas P Wani
ICRISAT, Hyderabad, India
s.wani@cgiar.org
Tel: +91 40 3071 3466

PROJECT COORDINATOR - EUROPE

Dr. Antonio Lopez
IRSA CNR, Bari, Italy
lopez@irsa.cnr.it
Tel:+39 080 5820550

EU Consortium Partners

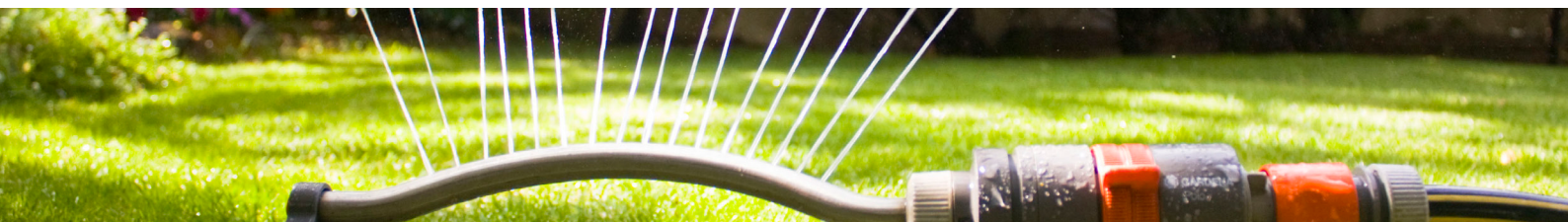
- Istituto di Ricerca Sulle Acque - Consiglio Nazionale delle Ricerche (IRSA-CNR), Dept. of Bari, Italy - Consortium Leader
- Natural Environment Research Council - Centre for Ecology and Hydrology (NERC-CEH), Wallingford, UK
- University of Applied Sciences Northwestern Switzerland (FHNW), Muttenz, CH
- Alma Mater Studiorum - University of Bologna (UNIBO), Bologna, Italy
- VITO - Flemish Institute for Technological Research, Brussels, Belgium
- Technical University of Crete (TUC), Crete, Greece
- Helmholtz Centre for Environmental Research (UFZ), Germany
- University of Catania (UNICT) - Department of Agri-food and Environmental Systems Management (GESA), Catania, Italy
- Unité Mixte de Recherche Gestion Eau Acteurs Usages (GEAU-Cemagref), France
- Institut National de la Recherche Agronomique (INRA), France
- Stichting Dienst Landbouwkundig Onderzoek (ALTERRA), Wageningen, Netherland
- Consorzio di Bonifica di Secondo Grado per il Canale Emiliano Romagnolo (CER), Bologna, Italy
- Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ), Eschborn, Germany
- INOFEA GmbH, Basel, Switzerland
- SIMA-tec GmbH, Germany
- BionActis International Group SA (Bionactis), Valais, Switzerland
- PHYTOREM S.A., Miramas, France
- VITA 34 AG, Leipzig, Germany
- Environmental Nutritional and Health Services S.A. (Envinhealth), Greece
- Horta srl (HORTA), Piacenza, Italy
- S.T.E.P. Consulting GmbH (STEP), Germany
- Università di Roma "La Sapienza" (UNIRM), Italy

<http://www.water4crops.org>

Water4Crops

EU-India joint R&D project aimed at

“Integrating Bio-Treated Wastewater Reuse with Enhanced Water Use Efficiency to Support the Green Economy in EU and India”



Water4Crops



Co-funded by Department of Biotechnology, Government of India and European Commission



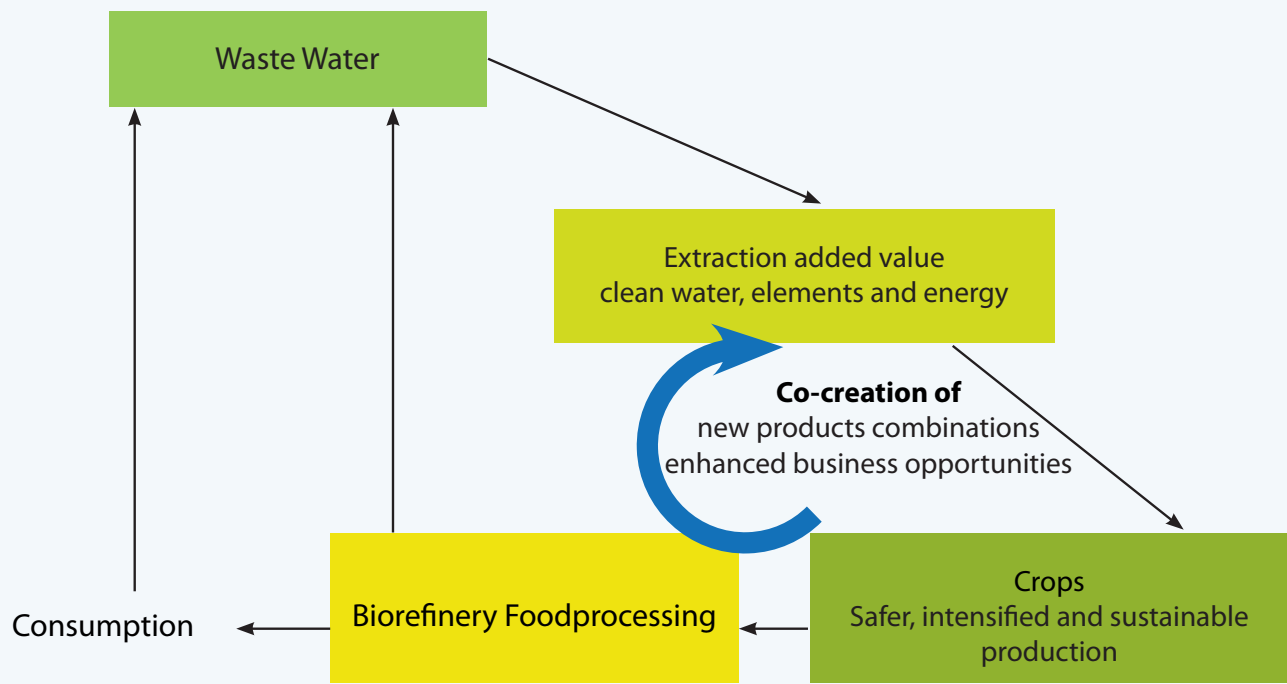
Introduction to Water4Crops

- Water4Crops is an Indo-European collaborative project aimed at finding solutions for emerging water, energy and related problems for achieving sustainable development in Europe and India
- Water4Crops is executed as twin projects 'Water4Crops-EU' and 'Water4Crops-India' addressing identical objectives by adopting similar methodologies and structure in terms of Work Packages (WP)
- Water4Crops addresses the European Commission's Framework Programme 7 (FP7) Topic 'Biotechnological Wastewater Treatments and Reuse in Agronomical Systems'
- The twin projects commenced in the second quarter of 2012 and will end in 2016

Key Objectives of Water4Crops include

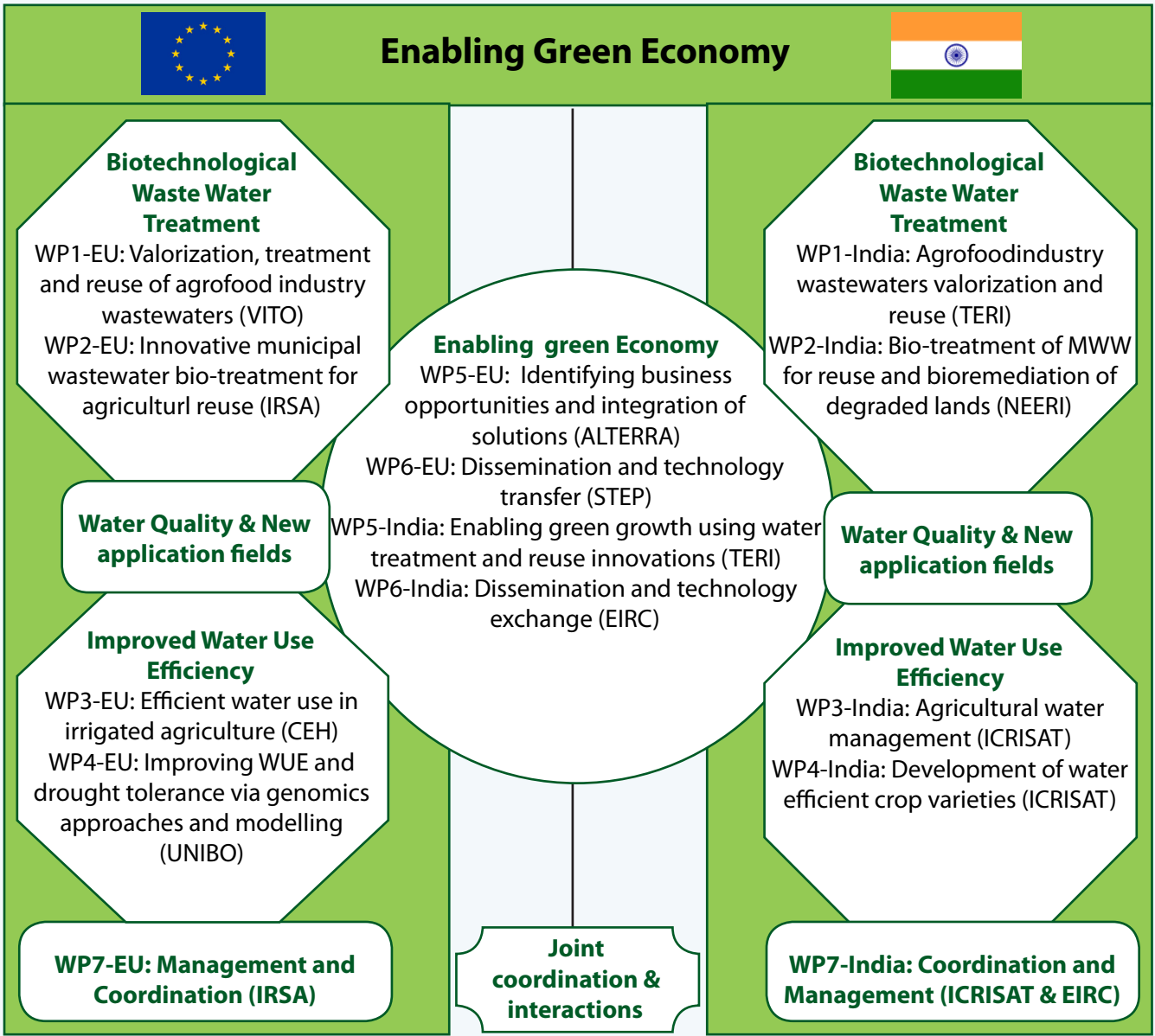
- Develop innovative bio-technological wastewater treatments for enhancing wastewater reuse in agriculture
- Initiate the co-creation of innovative combinations of bio-treatment, recycling of water and high-value products, and combinations for bio-products leading to better commercialization of biotechnology and agricultural products in Europe and India as a basis for 'Green Growth'
- Improve water use efficiency through improved agronomics, plant breeding and new irrigation technologies
- Enhance stakeholder participation in the co-creation process and enable Europe-India cooperation through Mirror Cases approach and INNOVA platforms, leading to new business opportunities

The Water4Crops Principle



Overall Strategy of Water4Crops

The overall strategy of Water4Crops is to advance individual key technologies and methodologies, both in Europe and in India, within the two Pillars " Innovative Biotechnological Waste Water Treatments for Improved Water Recycling in Agriculture" and "Improved Water Use Efficiency through Agronomics, Plant Breeding and locally adapted Irrigation Technologies and Techniques".



Water4Crops adopts the following Approaches

- Consortium approach and Public Private Partnerships
- Mirror case approach by twinning successful examples from Europe and India
- Implement innovative modular biotechnological processes
- Facilitate co-learning and evolutionary ideas generation
- Co-creation of new products leading to new business opportunities

