

THE RIGA PROJECT

RIGA project aims to design and implement new irrigation systems based on standard polyolefin, with new functionalities such as anti-microbial and anti-roots (trifluralin free), which allow increasing their functionality up to the end of their shelf-life (up to 50% higher) and contributes to water consumption reduction (up to 5% due to less pipe cleaning is required for correct performance), in comparison with the current systems in the market. The new developed systems will be cost-competitive, safer for animals and plants and environmental friendly.

The project will last 2,5 years from 01/07/2014 till 31/12/2016 and foresees the participation of 6 European partners from Italy, Spain and Belgium.

Outcomes of RIGA project are addressed to pipe and dripper manufacturers, distributors and installers), technicians, farmers, gardeners or greenhouse farmers. Moreover, the new micro-irrigation system components could be easily replicated for a wide range of sectors such long term farming, building and pipeline transport.

PROJECT ACTIVITIES

- Definition of the requirements and production of PE masterbatches with suitable anti-algae and anti-microbial additives;
- Production of pipes and drips with innovative properties at pilot and industrial level;
- Validation of pipes and drips in field condition through dedicated demonstrative trials;
- Set up of guidelines for the cultivation of vegetable and ornamental crops that envisage the adoption of the innovative micro-irrigation pipes and drips;
- Quantification of the environmental and economical impact deriving from the adoption of the innovative pipes and drips also through L.C.A. studies;
- Study of the environmental benefits deriving from the adoption of innovative materials for irrigations such as the reduction of plastic wastes and water consumption, the decrease of greenhouse gas emission, the removal of toxic compounds from water bodies;
- Drafting of a business and exploitation plan regarding the innovative micro-irrigation pipes and drips developed;
- Set up and implementation of wide and appropriate dissemination activities addressed to the most relevant stakeholders.

WORKSHOP PROGRAMME

09.30 – 09.45 Greetings and introduction (CeRSAA's management)

09.45 – 10.30 Advanced fertigation management in Mediterranean greenhouse horticulture: current practices and trends (D. Massa – Consiglio per la Ricerca in Agricoltura e l'Analisi dell'Economia Agraria)

10.30 – 11.00 RIGA project, objectives and activities (N. Lopez, AIMPLAS)

11.00 – 11.30 Industrial and productive aspects of innovative additives of pipes and drippers adopted in RIGA project (J. Lucena, Galloplast – G. Genitori, Irritec)

11.30 – 13.00 Validation of pipes and drippers with innovative properties carried out in Belgium and Italy in greenhouse and open field (J.Audenauert, PCS - E. Vandewoestijne, PCG - F. Tinivella, CeRSAA)

13.00 – 13.30 Debate and final considerations

Cocktail

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Project partners

COORDINATOR:



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PROJECT PARTNERS



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WWW.RIGAPROJECT.EU

Where are we



www.rigaproject.eu

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**Center for Agricultural Experimentation
and Assistance (CeRSAA)**

Riga

WORKSHOP

**“MICROIRRIGATION PLASTIC PIPES AND DRIPS
WITH ANTI-MICROBIAL AND ANTI-ROOTS
FUNCTIONALITIES”**

WEDNESDAY 8 JUNE 2016

H. 09.30

CONFERENCE ROOM Ce.R.S.A.A.



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