



SuWaNu

Sustainable Water Treatment and Nutrient Reuse Options General Project Presentation

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of the European Union



ILHAM-EC

Mobility strand for
teachers in Greece

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1. PROJECT GENERAL INFORMATION

- ❑ **Starting date:** 1st of July 2013
- ❑ **Call identifier:** FP7-REGIONS-2012-2013-1
- ❑ **Duration:** 30 months (31/12/2015)
- ❑ **Total budget:** 1,610,484.74 €
- ❑ **Total EC requested contribution:** 1,402,043.00 €
- ❑ **Consortium:** 20 partners from 5 regions (countries)
- ❑ **To ensure success - Quadruple helix concept:** RTDs, Authorities, Enterprises (farmers and technological enterprises) and Associations



2. BACKGROUND

- ❑ **European agricultural production highly depends on natural water resources and on chemical fertilizers**
- ❑ The current **pressure on water resources** and its scarcity based on new climate conditions leads to **conflicts** among water users and **high prices per m³**
- ❑ **Chemical fertilizers** are based on **non-renewable resources** and are getting more and more **expensive**
- ❑ **The trend:** look for sustainable resource-efficiency solutions for water and nutrients reuse, in order to decrease the environmental pressure and to achieve the needed European resilience
- ❑ Local efforts are being done but an **integrated approach is needed among European regions**



3. Main Objectives

- **SuWaNu: catalyst to stimulate innovation, increase technology transfer, research and commercial cooperation at regional and trans-national level among 5 EU regions.**

- Innovation objectives

- ✓ Strengthen the research potential of European regions
- ✓ Create business opportunities / PPPs / Win-win situations agricultural sector-wastewater treatment sector
- ✓ Coordinate an integrated and proactive approach towards WW and nutrient reuse – improving synergies
- ✓ Prepare effective exploitation and dissemination strategy
- ✓ Develop R&D proposal(s)

- Scientific and technological objectives- workplan



3. Main Objectives

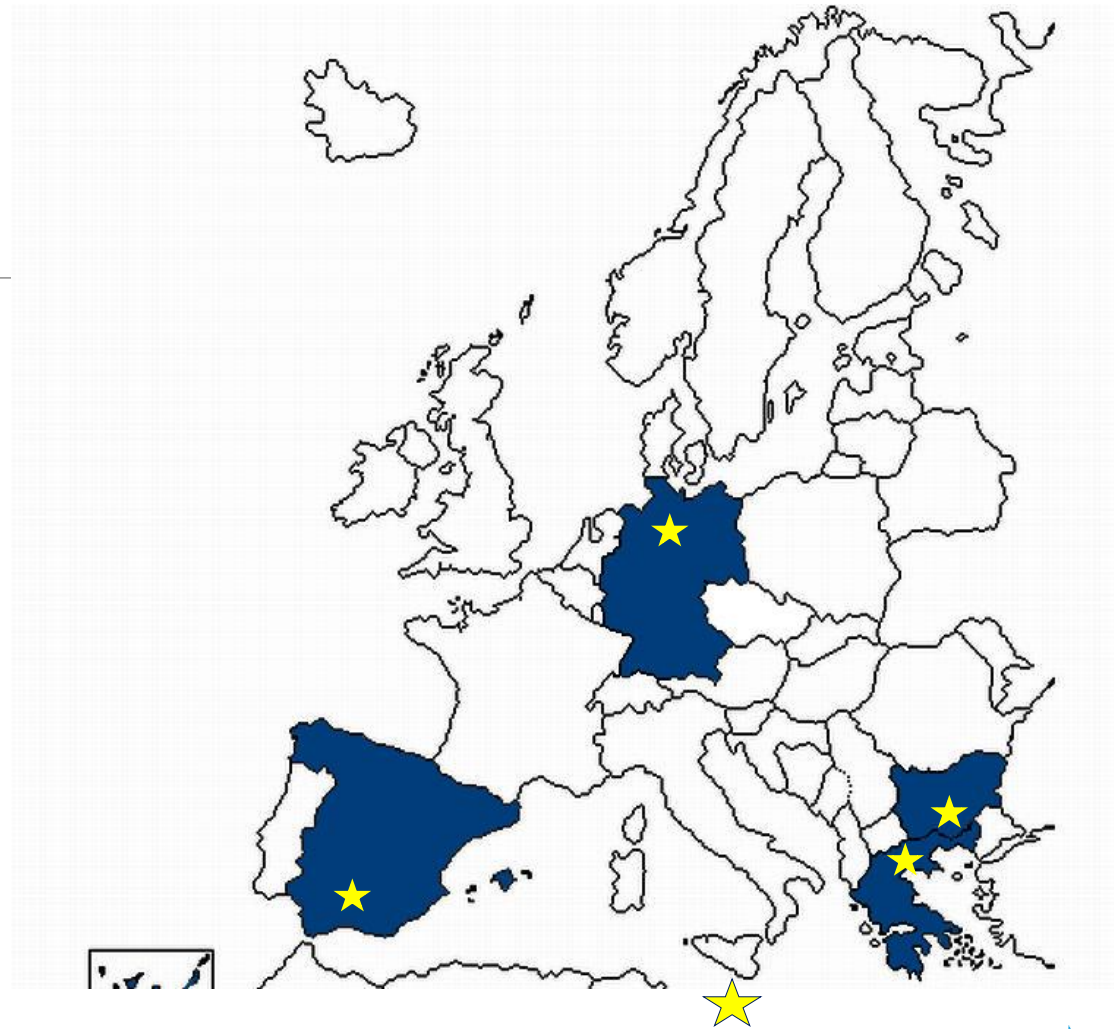
□ Socio-economic objectives (after project finalization)

- ✓ Reducing costs for SME farmers
- ✓ Reducing of negative impacts of agriculture in the environment and public health: pressure on natural water resources/ unsafe use of regenerated water/ improper application of fertilizers
- ✓ Develop sustainable irrigation schemes
- ✓ Enable safe and beneficial agricultural production in water scarcity regions
- ✓ Increase /protect employment
- ✓ Increase skills in water management and reuse options



4. Target Regions

- Andalusia (Spain)
- West Macedonia (Greece)
- Malta
- Plovdiv (Bulgaria)
- Braunschweig (Germany)



5. Work Plan and GANTT Chart

- The work has been organised in 6 work packages:
 - ✓ COORDINATION: WP1, WP2, WP3 and WP4
 - ✓ OTHER (Dissemination): WP5
 - ✓ MANAGEMENT: WP6
- WPs main objectives:
 - ✓ WP1- Detailed characterisation of the 5 SuWaNu regions
 - ✓ WP2- Development of the Joint research agenda (JAP) and business plan (market penetration)
 - ✓ WP3- Cluster enrichment: inside and outside Europe
 - ✓ WP4- Mentoring activities at EU level and capacity building
 - ✓ WP5- Dissemination and communication strategies and materials/tools development
 - ✓ WP6 – Project overall coordination



6. Network Internationalization



Sustainable Water Treatment
and Nutrient Reuse Options

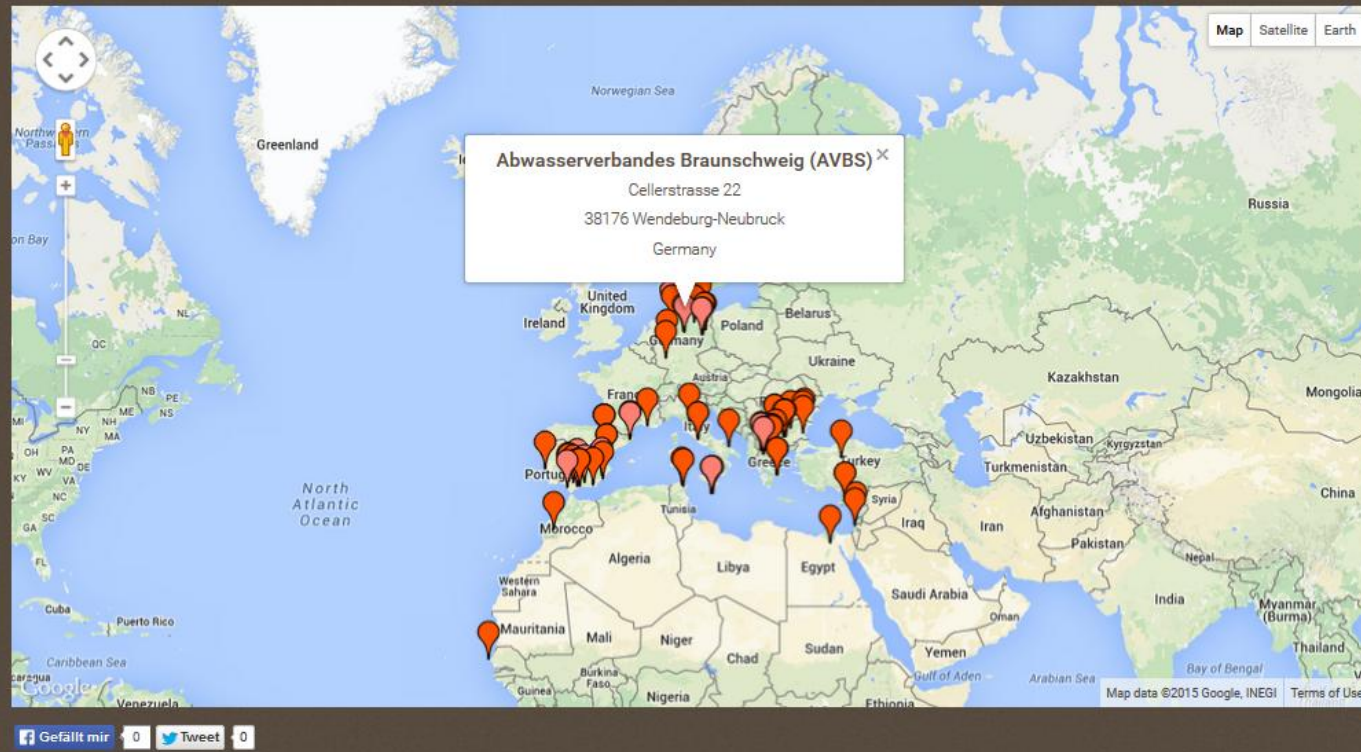
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SuWaNu