

The
DIANA
service
platform will be
of interest to

- Irrigation Water providers
- Public authorities / water providers (state entities)
- Private water providers (farmer water associations, association of irrigators, etc.).
- Regional and local public authorities
- River Basin Authorities (RBAs) and
- River Basin District Councils
- National authorities



WATER
ABSTRACTIONS
MONITORING



SEASONAL
DROUGHT
FORECAST



WFD
IMPLEMENTATION



STAKEHOLDERS

Website:

<http://diana-h2020.eu>

Email: info@diana.eu

Twitter: @H2020_DIANA

Facebook:

<http://fb.me/DIANA.H2020>,
@DIANA.H2020

LinkedIn: DIANA H2020 Project

YouTube: <http://bit.ly/2oG0IDq>

Project Coordinator

Dr. Machi Simeonidou (AgroApps)

Project Co-Coordinator

Dr. Anna Osann (AgriSat)



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 703109.

Partners:



2eco

gestão do ambiente e economia ecológica

OBSERVE THE EARTH: PRESERVE THE WATER



Detection and Integrated Assessment of
Non-authorized water Abstractions using EO

DIANA empowers water managing authorities to optimise identification and inspection of non-authorized water abstractions for irrigation, and to improve their water management policies and practices, especially in extreme conditions such as drought.

DIANA is a commercial service platform that will empower water managers and authorities to optimise the identification and inspection of non-authorized water abstractions for irrigation as well as improve their water management policies and practices, especially in extreme conditions such as drought.

DIANA Products

- Crop water consumption maps
 - Maps of irrigated areas
- Maps of irrigation water consumption and abstracted volumes
 - Drought forecast maps
- Data per selected area in chart and table formats
- Detailed reports with analysis and sums of the results
- Data comparisons between different dates.
- Alerts and Maps for WFD compliance



DIANA Services will be offered as web and as a mobile application:

- Non-authorized water abstraction detection and monitoring for control optimisation
- Seasonal drought forecasting and monitoring
- Assistance of the implementation and monitoring of the WFD
- The Web Application will provide full access to the spectrum of DIANA data products and services
- The Mobile Application will be used mainly for field inspection report generation and receiving alerts

What DIANA will achieve

- The inspection of non-authorized water abstractions
 - Monitoring water abstractions
- The implementation and monitoring of the progress of WFD
 - The collection of water fees
- The development of water management plans and issuing authorisations
 - Drought management

Pilot Areas

Italy – Spain - Romania

A total of 3 pilots within real-life daily settings will be set up and run in 3 European countries, namely “La Mancha region and Andalucía” (Spain), “Campania region” (Italy) and “Banat region” (Romania). Their implementation will be realised through the direct participation of 3 authorities responsible for irrigation water management. The reliability, accuracy, consistency and completeness of our data products will be assessed via uncertainty/error propagation techniques, whereas the co-evaluation of our services in terms of achieving the objectives of our users will be performed based on a suite of carefully selected Key Performance Indicators (KPIs) and results and experiences stemming from the implementation of the pilots.

