



EUROPEAN UNION

IR₂MA

**Large Scale Irrigation Management Tools for Sustainable
Water Management in Rural Areas and Protection of
Receiving Aquatic Ecosystems**

3rd

management

meeting

Foggia, ITALY, 17/7/2019

PB1 - Uol

WP1 Management Costs

PB1 – UoI | Progress and next steps



D1.1.1 - Preparation activities

- UoI lack's of approach for paying the preparation costs

D1.1.2 - Project management activities

- First financing request completion (5/2019)
- Auditor contracting (6/2019)
- Team to be fully staffed (estimation: 8/2019)
- Stationary to be purchased (estimation: 10/2019)
- ... next slide

Cont... D1.1.2 - Project management activities

- Cooperation with partners for:
 - Completion of 2nd and preparation of 3rd progress report
 - Completion of new Milestones and Procurements' Plan
 - Completion of 1st modification request and relevant AF, Justification of budget etc.
- Participation in 2nd management meeting

Continuation of managerial operations



WP2 Information and publicity

PB1 – UoI | Progress and next steps



- Team to be fully staffed (estimation: 8/2019)
- Equipment purchased (delivery: 4/2019)

D2.1.1 Communication strategy and web site

- Communication plan has been completed
- Web site and the FB page are fully operational under new names

D2.1.2 Helpdesk

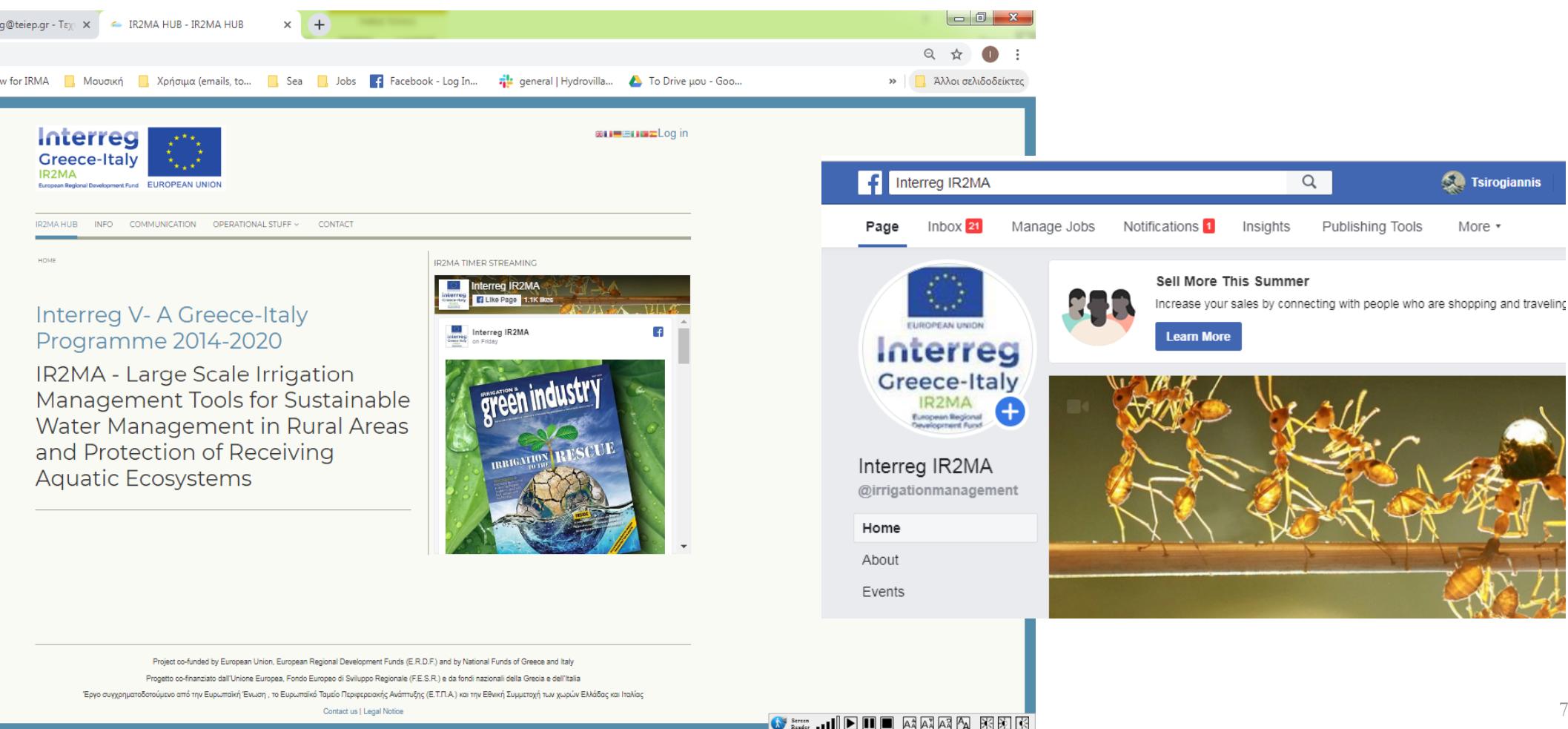
- Proceeds mainly in combination with DSS for Arta (WP3)

D2.1.3 Technical reports and dissemination events

- 3 out of 4 technical reports have been published in project's FB group, the last is expected to be published up to 12/2019

D2.1.1 IR2MA website

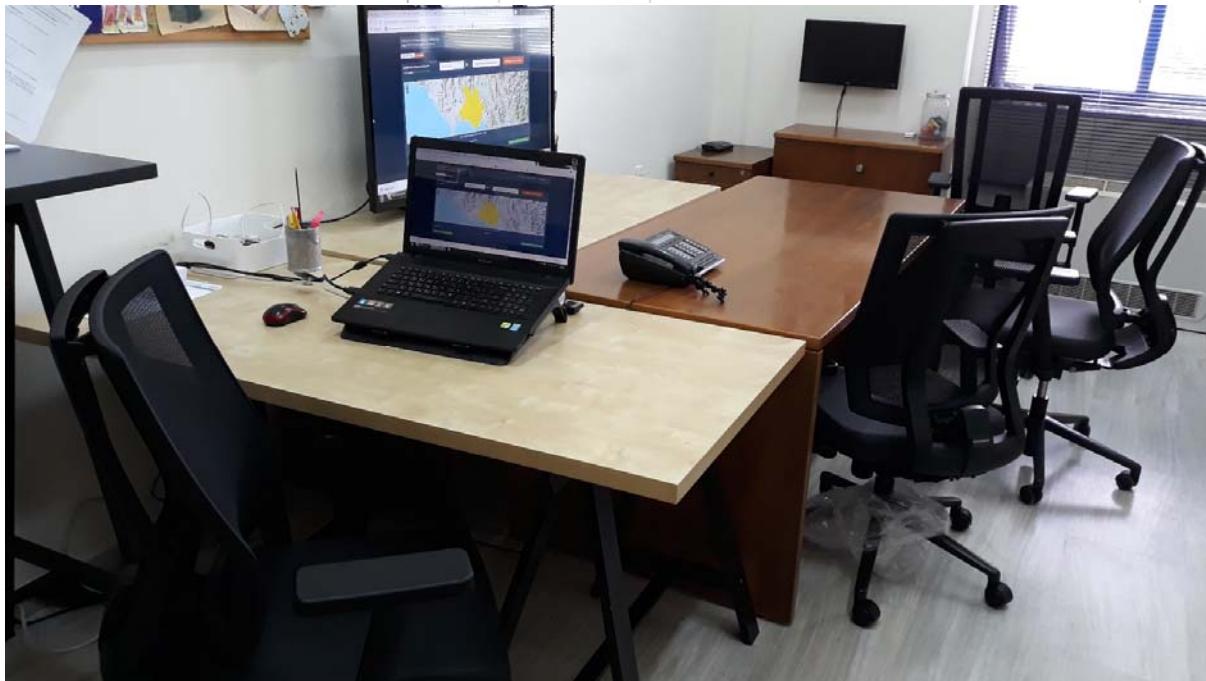
<https://www.interregir2ma.eu/> and Facebook group



The image shows a screenshot of a web browser displaying two pages side-by-side. On the left is the 'IR2MA HUB - IR2MA HUB' website, which features the Interreg Greece-Italy logo and a navigation menu with links to 'INFO', 'COMMUNICATION', 'OPERATIONAL STUFF', and 'CONTACT'. The main content area includes a section titled 'IR2MA TIMER STREAMING' showing a video player with a thumbnail of a book cover titled 'IRRIGATION & green industry' and 'IRRIGATION TO THE RESCUE'. Below this is a section for the 'Interreg V- A Greece-Italy Programme 2014-2020' and a description of the project: 'IR2MA - Large Scale Irrigation Management Tools for Sustainable Water Management in Rural Areas and Protection of Receiving Aquatic Ecosystems'. At the bottom, there is a footer with project funding information and a 'Contact us | Legal Notice' link. On the right is the 'Interreg IR2MA' Facebook page, which has 1.1K likes. The page header includes the European Union flag and the Interreg logo. The main feed shows a post with a thumbnail of several ants working together on a branch, accompanied by the text 'Sell More This Summer' and 'Increase your sales by connecting with people who are shopping and traveling'. The page also features a sidebar with links to 'Home', 'About', and 'Events'.

D2.1.2

Helpdesk



1	IR2MA 212 Helpdesk			Υποβολή (π.χ. τηλεφωνική, ερώτημα κοκ)	Απάντηση (ανάρτηση σε webpage HelpDesk)	Παράδοση αναφοράς	Ανέβασμα άρδευσης / πληροφόρηση σχετικά με συμβουλή (σύστημα Άρτας)	Παρατηρήσεις
2								
142	140	6/7/2019	Τζήμας Μιχάλης	Τηλεφωνική			ναι	Εισαγωγή άρδει
143	141	6/7/2019	Ξυλογιάννης Ευάγγελος	Τηλεφωνική			ναι	Εισαγωγή άρδει
144	142	6/7/2019	Κώστας Λάμπρος	Τηλεφωνική			ναι	Εισαγωγή άρδει
145	143	7/7/2019	Τζήμας Μιχάλης	Τηλεφωνική			ναι	Εισαγωγή άρδει
146	144	7/7/2019	Ξυλογιάννης Ευάγγελος	Τηλεφωνική			ναι	Εισαγωγή άρδει
147	145	8/7/2019	Τζήμας Μιχάλης	Τηλεφωνική			ναι	Εισαγωγή άρδει
148	146	8/7/2019	Ξυλογιάννης Ευάγγελος	Τηλεφωνική			ναι	Εισαγωγή άρδει
149	147	8/7/2019	Κώστας Λάμπρος	Τηλεφωνική			ναι	Εισαγωγή άρδει
150	148	9/7/2019	Τζήμας Μιχάλης	Τηλεφωνική			ναι	Εισαγωγή άρδει
151	149	9/7/2019	Ξυλογιάννης Ευάγγελος	Τηλεφωνική			ναι	Εισαγωγή άρδει

Inbox (6) - itsirog@uo... | Inbox (1) - itsirog@te... | (4 μη αναγνωσμένα) | IR2MA

Εφαρμογές Προτεινόμενες τοπ... ILT New for IRMA Μουσική Χρήστη

Greece-Italy IR2MA European Regional Development Fund EUROPEAN UNION

IR2MA HUB INFO COMMUNICATION OPERATIONAL STUFF ▾

HOME | OPERATIONAL STUFF | PBI (LB) UNIVERSITY OF IOANNINA | STATIC ARTICLES | HELPDESK

HELPDESK

ΠΑΡΑΔΟΤΕΟ 2.1.2 (HELPDESK) ΤΟΥ ΡΒ1 (ΠΙ) | DELIVERABLE 2.1.2 (HELPDESK) OF PB1
 ΣΥΖΗΤΗΣΕΙΣ ΣΧΕΤΙΚΑ ΜΕ ΤΟ ΣΥΣΤΗΜΑ ΑΓΡΟΜΕΤΕΩΡΟΛΟΓΙΚΩΝ ΣΤΑΘΜΩΝ ΣΕ ΕΠΙΛΕΓΕΙΣ ΣΥΣΤΗΜΑ ΥΠΟΒΟΗΘΗΣΗΣ ΛΗΨΗΣ ΑΠΟΦΑΣΕΩΝ (DSS) ΓΙΑ ΑΡΔΕΥΣΗ ΣΤΗΝ ΠΕΔΙΑΔΑ ΤΗΣ ΕΠΙΡΡΕΑΣ

DISCUSSIONS REGARDING THE AGROMETEOROLOGICAL SYSTEM IN SELECTED PLAINS SUPPORT SYSTEM (DSS) FOR IRRIGATION AT THE PLAIN OF ARTA (REGION OF EPIRUS)

Helpdesk

To Helpdesk δημιουργήθηκε για να απαντά σε ερωτήσεις σχετικά με το σύστημα αγρομετεωρολογίας.

D2.1.3 Technical reports

1. Agrometeorological data for the plain of Arta [Jan, 2019]
 2. Water flow measurements for the participatory irrigation systems of the plain of Arta and the relevant permit for using water for agricultural irrigation [Feb, 2019]
 3. Efficient irrigation management for olive crop [Jun., 2019]

Interreg V-A Greece-Italy Programme 2014-2020 (<http://interreg-v-a.gr>)

D2.1.3 WATERinMARCH! 2019 28-29/3/2019 Arta, Greece



Event registered at:



WP3 Mainstreaming efficient irrigation and drainage practices

PB1 – UoI | Progress and next steps



D3.1.1 Repository

- The development of the platform and the collection of material for the repository have been started
- Equipment purchased (delivery: 5/2019)
- Team to be fully staffed (estimation: 8/2019)

- **Platform will be ready up to 9/2019 and upload of material will start**

D3.1.2 Water quantity and quality audit

- Equipment purchased (delivery: 5/2019)

D3.1.3 Update of audit protocol and audits

- Team to be fully staffed (estimation: 8/2019)
- Progress regarding the literature research for updating the audit guide
- Completion of the audit protocol and sheets for a) participatory systems water uptakes and b) end-user systems (irrigation systems for arboriculture farms) and progress regarding audits:
 - 25 (of total 50) audits for participatory systems and
 - 20 (of total 50) audits of end user systems have been completed

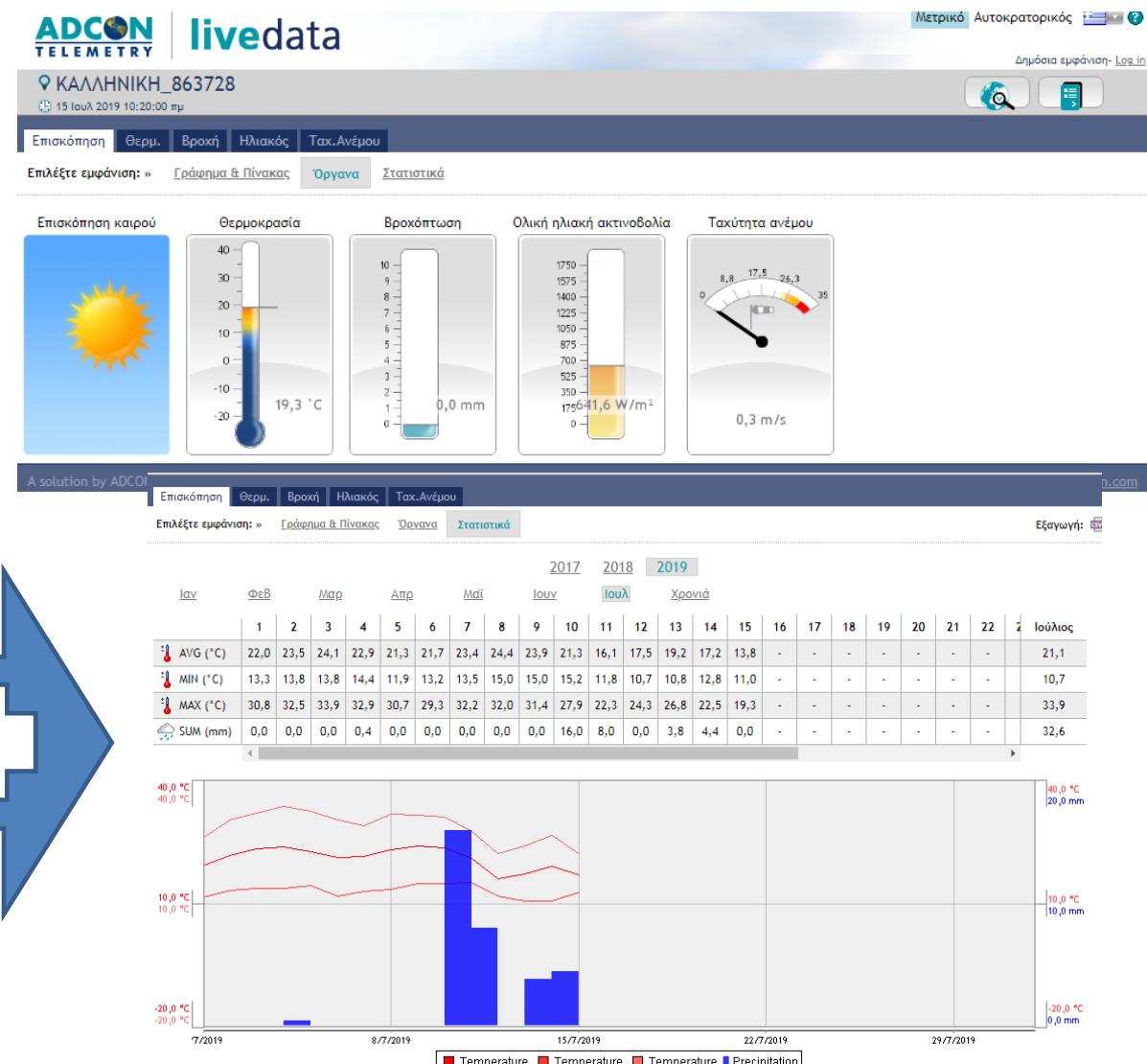
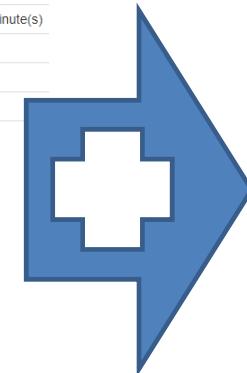
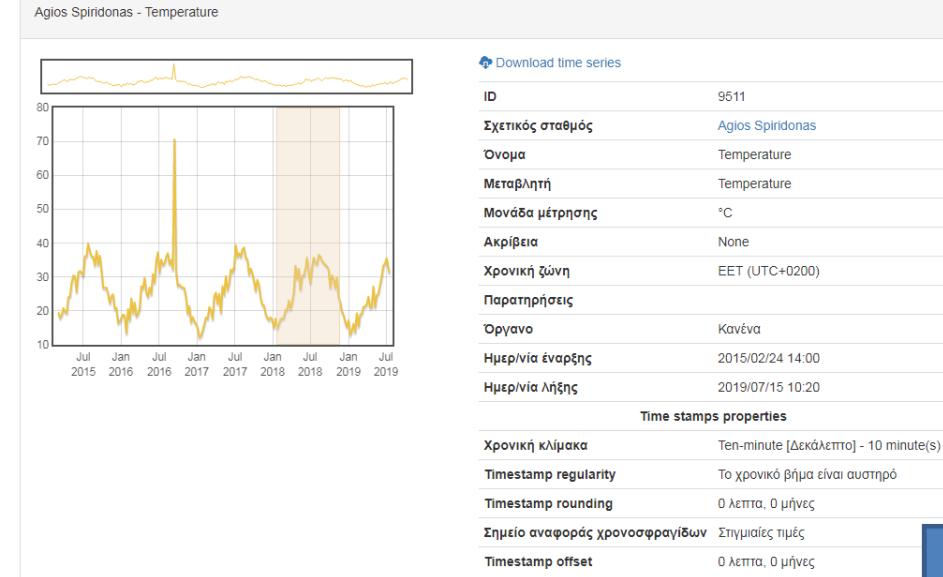
Guide and audits will be completed up to the end of 2019

D3.1.2., D3.1.3

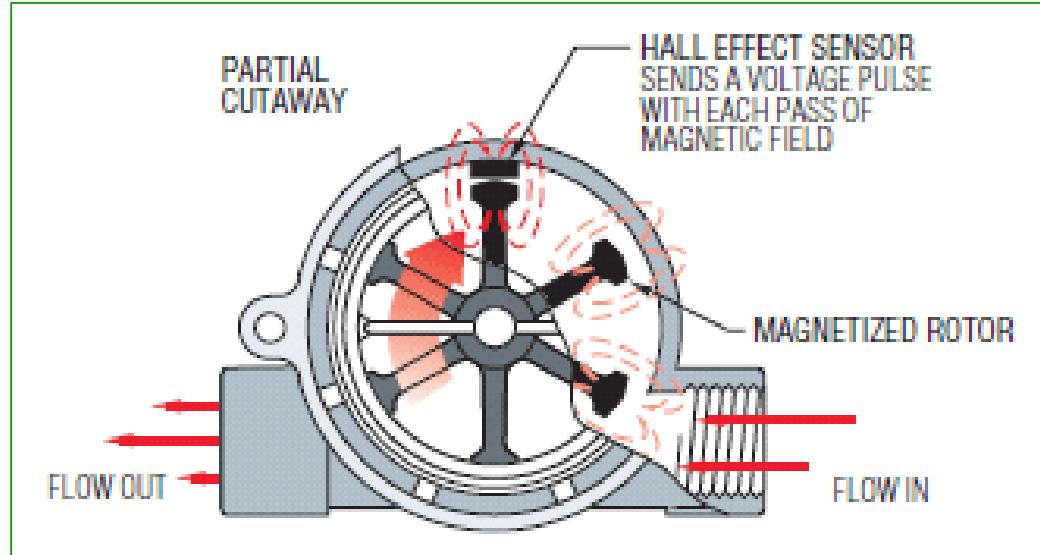


D3.1.4 DSS adaption and extension

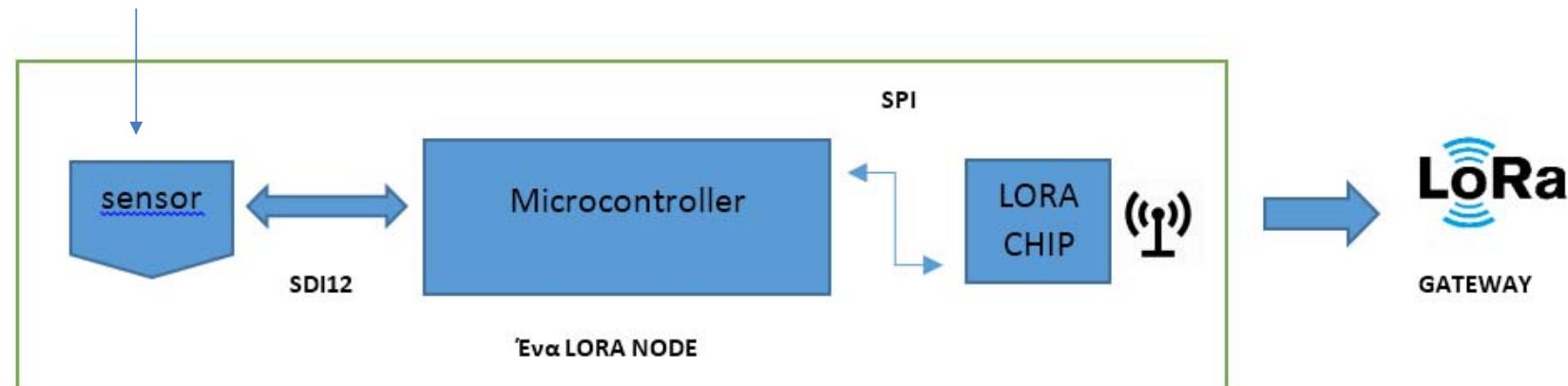
- Team to be fully staffed (estimation: 8/2019)
- Software and equipment purchased (delivery: 5/2019)
- New system / software for agrometeorological data and flood alarms is been installed and is expected to be operational up to 9/2019
- Flow meter with LORA connection to automatically register irrigation applications is under development
- DSS for the plain of Arta is operational (special functions are under development) and is used by irrigators
- Evaluation of the DSS for the plain of Arta is in progress



D3.1.4



D3.1.4



Ελληνικά (el) ▾  Μετάβαση

D3.1.4

**ΣΥΛΛΟΓΙΚΟ ΣΥΣΤΗΜΑ ΠΑΡΟΧΗΣ ΣΥΜΒΟΥΛΩΝ
ΑΡΔΕΥΣΗΣ ΠΑ ΤΗΝ ΠΕΔΙΑΔΑ ΤΗΣ ΑΡΤΑΣ**

ΕΛΛΗΝΙΚΟ (el) ▾  Μετάβαση

Διεύθυνση αποδοτικής διεργασίας  2019-07-14  Ημέρα βροχόπτωση (mm)  Μετάβαση σε μηνιαίο βίαιμα



Κάνε κλικ στο χάρτη για να δασκαλήσετε
10 km 

2019-07-13 2019-07-14  Εγγύηση Μεταρρυθμού Σεζόν

Πρόσφατη βροχόπτωση (mm)  Πρόσφατη βροχόπτωση (mm) 

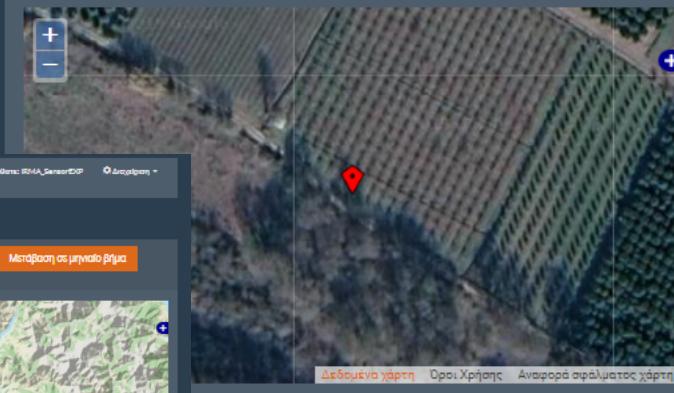
IR2MA - Large Scale Irrigation Management Tools for Sustainable Water Management in Rural Areas and Protection of Receiving Aquatic Ecosystems

Έργο συγχρηματοδοτήσιμο από την Ευρωπαϊκή Ένωση, το Ευρωπαϊκό Ταμείο Περιφερειακής Αντιμετώπησης (Ε.Π.Τ.Α.) και την Εθνική Συμμετοχή των χωρών Ελλάδας και Ιταλίας

Όροι Χρήσης | Πληροφορίες άρδευσης 2015 (IRMA)

20/07/2019 0

Όνομα αγροτεμαχίου: Τζήμας Μιχάλης Ακτινίδια (6955075428) Κολομόδια



Καλλιέργεια: Ακτινίδιο (Kiwi) Χρήση προσαρμοσμένων παραμέτρων

Εκπιμώνευτο μέγιστο βάθος ριζοστρώματος (m): 0,35 m

Μέγιστο επιπρεπόμενο υδατικό έλλειμμα: 35,0%

Υδατοϊκανότητα: 39,0%

Εδαφική Υγρασία στον κορεσμό (Θ_s): 50,0%

Σημείο μόνιμης μάρανσης: 10,0%

Τύπος αρδευτικού συστήματος: Μικροεκτοξευτήρες (Micro sprinklers)

Χρήση προσαρμοσμένων παραμέτρων

Συντελεστής αρδευτικής αποδοτικότητας: 0,85

Συντελεστής βελτιστοποίησης άρδευσης: 0,85

Τελευταία καταχωριμένη άρδευση: 09/07/2019 08:00

Δόση άρδευσης (m³): 125,0

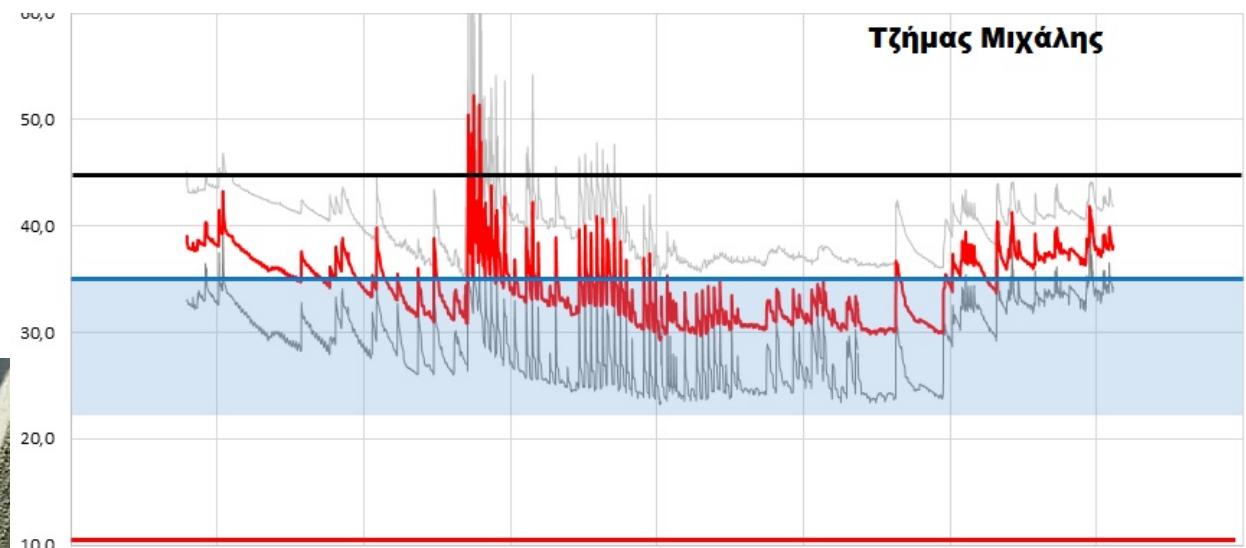
μοί για Περίοδος πρόγνωσης: 15/07/2019 έως 20/07/2019

Ενεργός βροχόπτωση (mm)	Υδατικό έλλειμμα (mm)	Εδαφική υγρασία (%)	Άρδευση?	Δείκτης υδατικής καταπόνησης	Δόση άρδευσης (mm)
0	2	38,4	Όχι	1,00	0
	10	36,1	Όχι	1,00	0
	19	33,6	Όχι		
	29	30,7	Όχι		
	38	28,2	Ναι		
	47	25,5	Ναι		



<http://arta.interregir2ma.eu/>

D3.1.4



WP4 Cooperation with Water and Land Reclamation Organisations and Environmental Agencies

PB1 – UoI | Progress and next steps

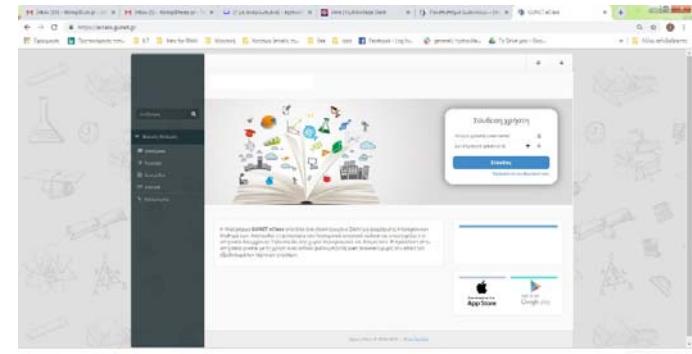


- Team to be fully staffed (estimation: 8/2019)
- Equipment purchased (delivery: 5/2019)
- Work is progressing for:
 - **D4.1.1 Participatory systems mapping**
 - **D4.1.2 Participatory systems current state report**
 - **D4.1.3 Web presence of participatory systems**
 - **D4.1.4 Participatory systems operation support**

D4.1.1



D4.1.3



WP5 Demonstration activities and applied research

PB1 – UoI | Progress and next steps



D5.1.1 Usage of recycled water

- Tender for consumables for the experiment have to be re-published.
- On going experiment regarding use of recycled water to young nursery olive trees (in greenhouse)
- The experimental site operates as demonstration site, while students of the agricultural department participate

D5.1.2 Aquifers salinization

- On going literature review

Treatments

Tap Water + fertilisation (control)
 $\frac{1}{2}$ Tap Water + fertilisation
TWW (Treated Waste Water) + fertilisation
TWW + $\frac{1}{2}$ fertilisation
Zeolith + $\frac{1}{2}$ fertilisation
Humic acid + $\frac{1}{2}$ fertilisation



Scope-Objective

- Evaluate the performance of young olive trees under irrigation with TWW
- Investigate the possibility of reducing WFtotal through reduction of WFgrey
- Investigate the possibility of reducing fertilisation (applying TWW, zeolith, biostimulants-humic acid)

WP6 Activities outside of eligible area

PB1 – UoI | Progress and next steps



D6.1.1 International networking

Participation at ISHS' IX International Symposium on Irrigation of Horticultural Crops (PB1, Italy, June 2019)

1. Oral presentation: Evaluation of Water Footprint for table olive groves of *Olea europaea* L. – cv. Conservolea
2. Poster presentation: Evaluation of an operational participatory system for irrigation recommendations - Case study for kiwifruit crop in Greece



IX INTERNATIONAL SYMPOSIUM
ON IRRIGATION OF HORTICULTURAL CROPS
17 - 20 JUNE 2019 | MATERA - ITALY

Problems encountered and proposed solutions

- PB1 still faces major managerial issues that origin from the organization and the workflow procedures of the Research Account of UoI
- In order to mitigate this situation, members of the physical object implementation team need to spent significant part of their time for managerial activities against the work they have to do for research, development and dissemination.