HIDROMOD

Satellite support consultancy and forecast systems

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HIDROMOD
modelação em engenharia

www.hidromod.com

Figaro & Aquafarm

Objective

Operational system to support farmers

Innovation
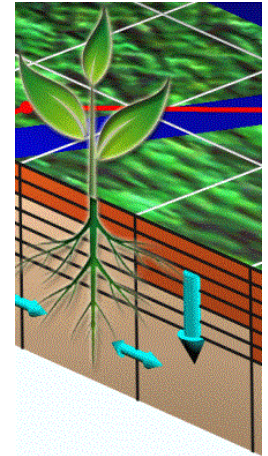
Integration of satellite images (on vegetation) with modelling.
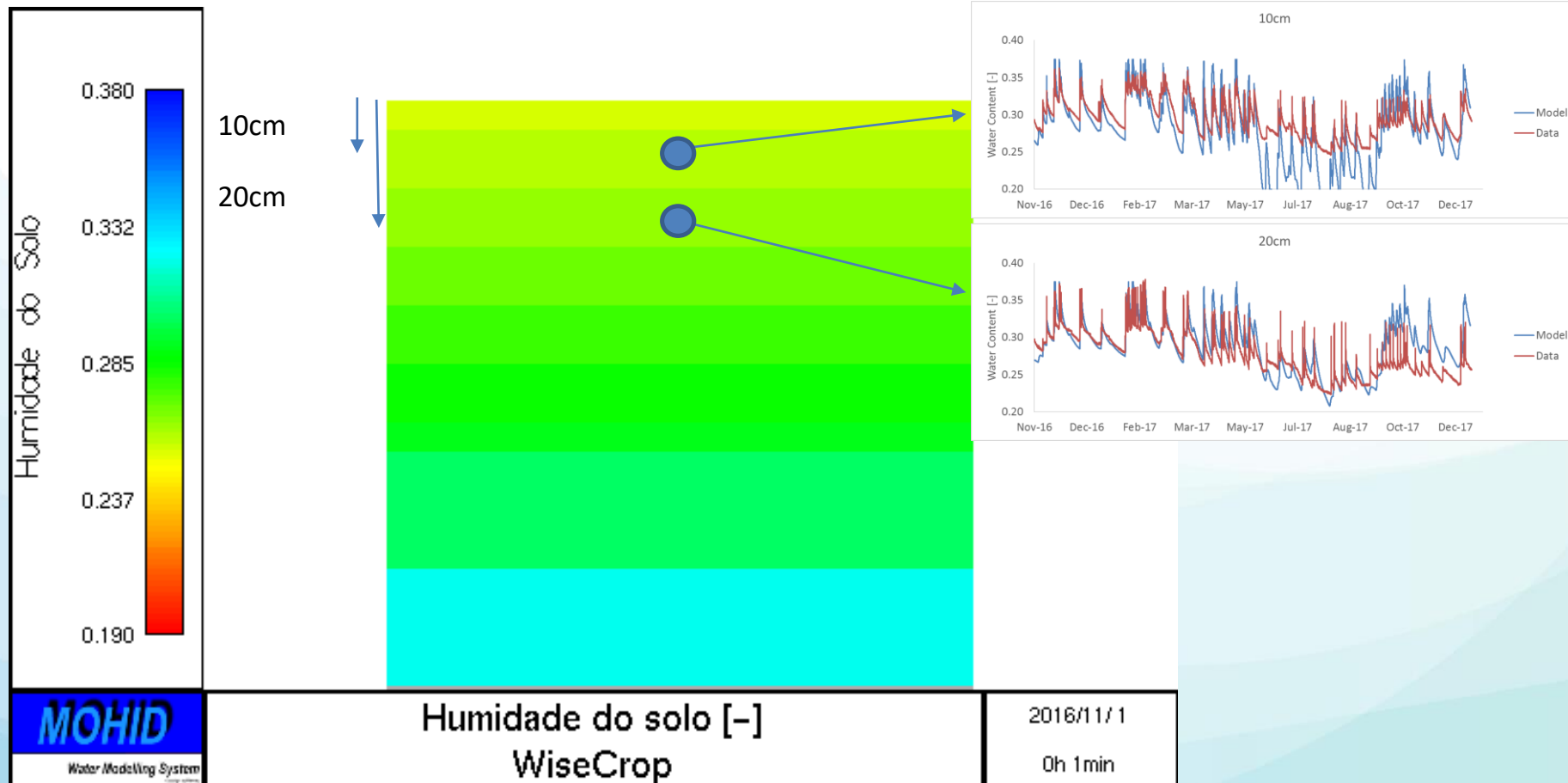
Impact

Soil moisture prediction is valued by users

www.figaro-irrigation.net
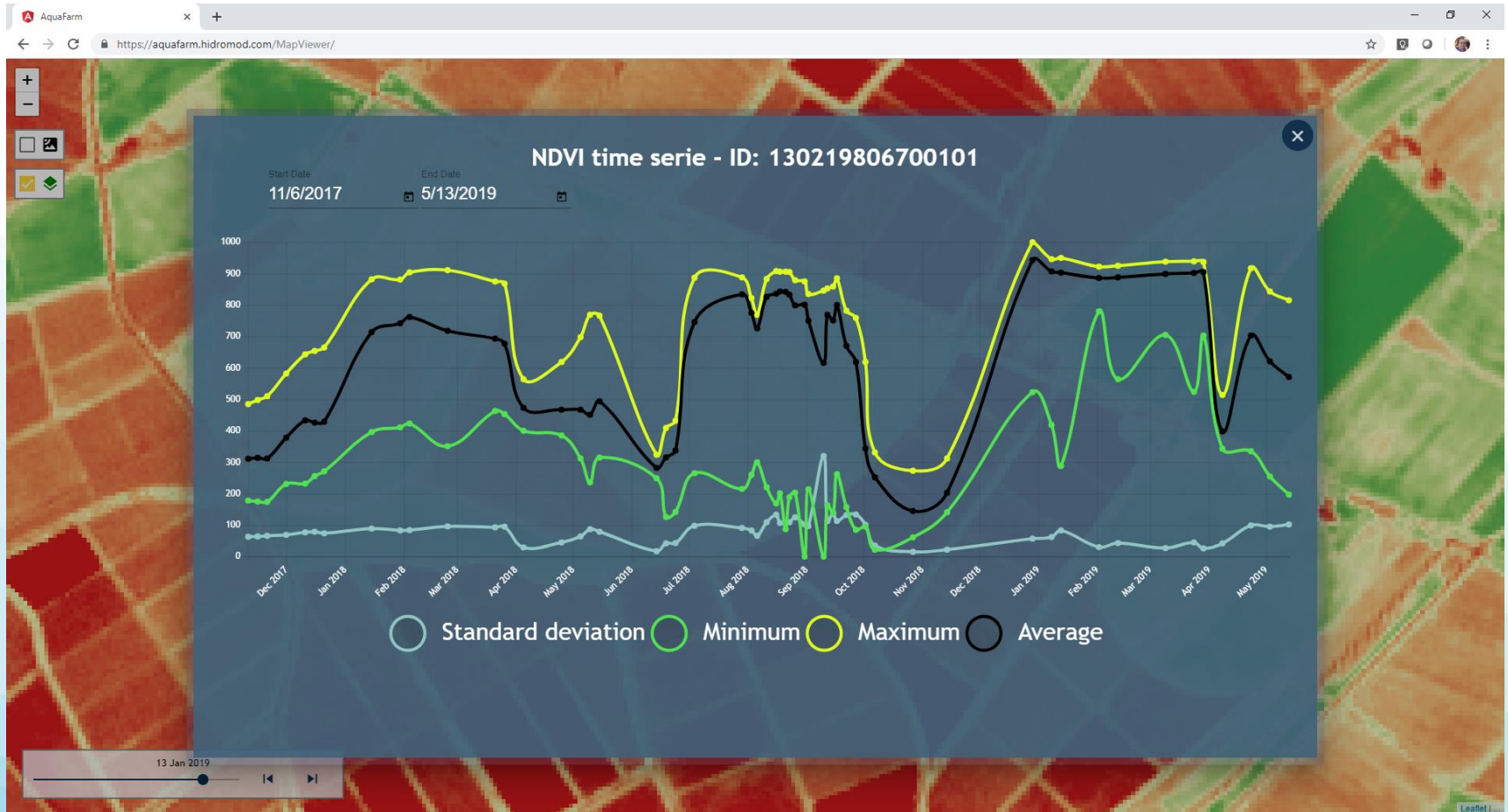
aquafarm.hidromod.com

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Modeling: Soil moisture profile

Satellite: NDVI: Avg, Min, Max e StDev

https://aquafarm.hidromod.com/MapViewer/

AquaChange

Objective

Operational system to predict flows

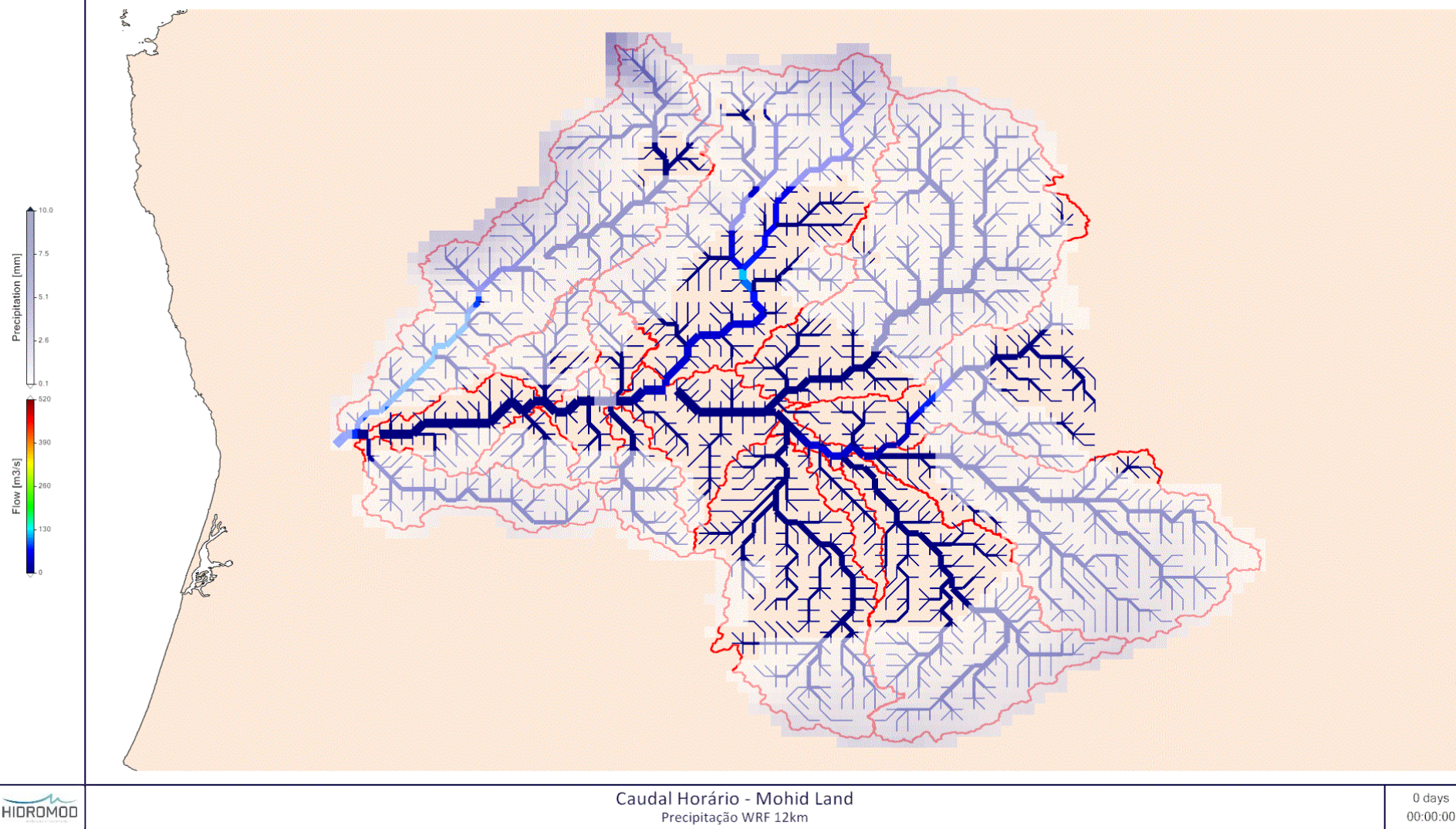## Innovation

Reservoir water monitoring using satellite images

Impact

Optimizing the use of water for hydroelectricity, production

aquachange.hidromod.com

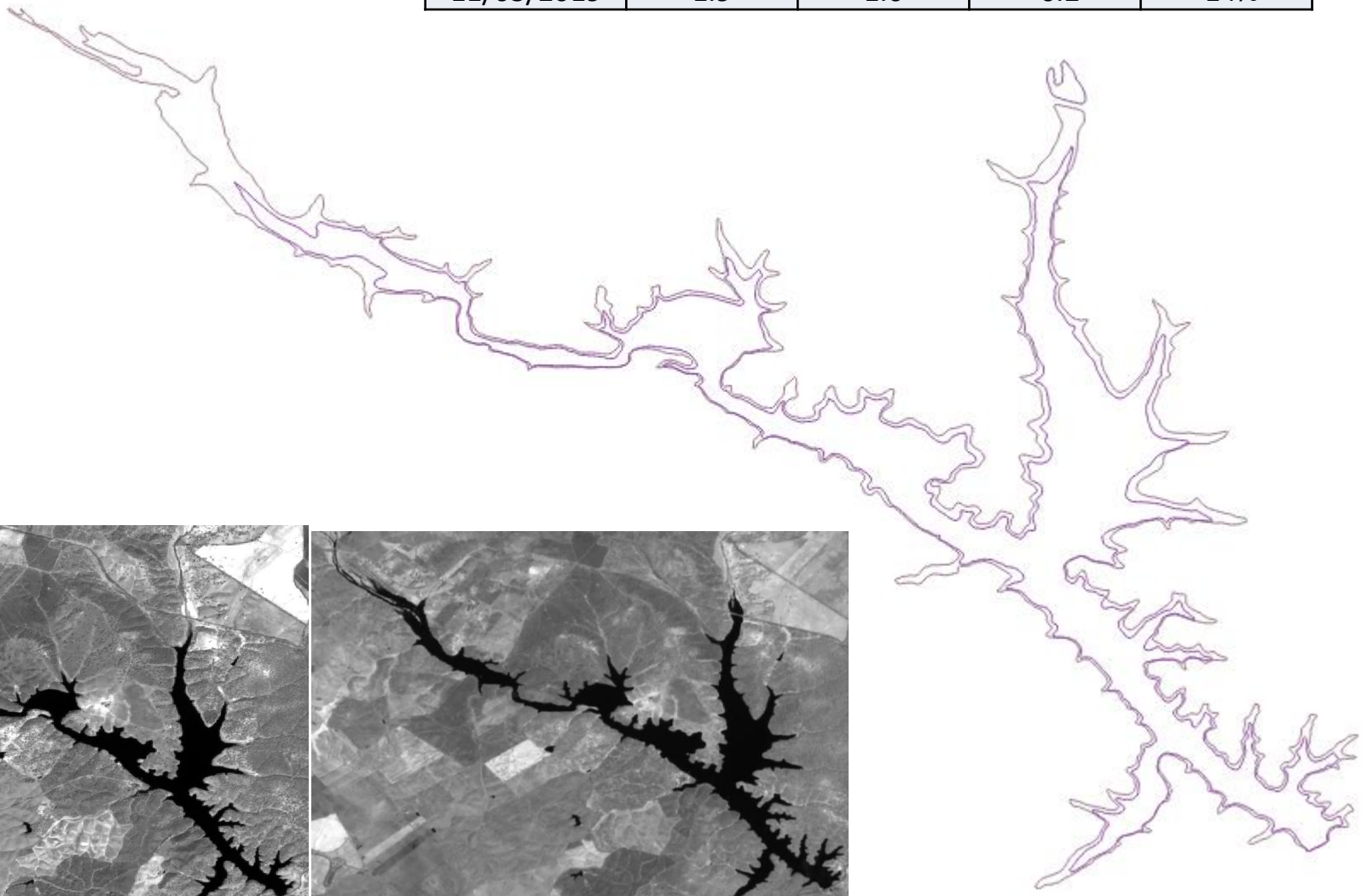# Modeling: Flows

Caudal Horário - Mohid Land
Precipitação WRF 12km

0 days
00:00:00

www.hidromod.com

Satellite

	Area_snirh [km2]	Area_EO [km2]	Dif [km2]	Dif [%]
05/05/2018	2.6	2.4	-0.2	-6%
11/03/2019	1.9	1.6	-0.2	-14%

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Timor

Objective
Predict water levels

Innovation
Use satellite images to estimate flood extent

Impact
Construction and Management of flood gates

Water Column and velocity

Legend

Water Column
- 0.488889
- 0.927778
- 1.366667
- 1.805556
- 2.244444
- 2.683333
- 3.122222
- 3.561111
- 4.000000

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H2020

We submitted a proposal this year on *International Cooperation Copernicus - Designing EO downstream applications with international partners* - DT-SPACE-06-EO-2019

We are interested to participate in other H2020 proposals.

Hidromod FP7&H2020 projects

Title	Acronym	Program	Project ID
High Resolution Copernicus-Based Information Services at Sea for Ports and Aquaculture	HiSea	H2020	821934
OPERATING A NETWORK OF INTEGRATED OBSERVATORY SYSTEMS IN THE MEDITERRANEAN SEA	ODYSSEA	H2020	727277
Merging Hydrologic models and EO data for reliable information on Water	MyWater	FP7	263188
Localised environmental and health information services for all: User-centric collaborative decision support network for water and air quality management	LENVIS	FP7	223925
Flexible and PrecIse IrriGation PlAtform to Improve FaRm Scale Water PrOductivity	FIGARO	FP7	311903