

EIP-AGRI Workshop **'Connecting innovative projects:** **Water & Agriculture'**

30 – 31 May 2018
Almeria, Spain

All information of the workshop
available on
www.eip-agri.eu
at the event webpage

<https://ec.europa.eu/eip/agriculture/event/eip-agri-workshop-connecting-innovative-projects>





EIP-AGRI Workshop

'Connecting innovative projects: Water & Agriculture'

DAY 1 – WEDNESDAY, 30 MAY 2018

9:00 – 9:30

Welcome and introduction

- Concepcion Cobos, General Secretary of European Agrarian Funds, *Andalusia Regional Ministry of Agriculture*
- Anikó Seregélyi, *European Commission, DG Agriculture and Rural Development*

9:30 – 10:45

Setting the scene

Part 1: The Framework

Policy background and European Innovation Partnerships

- Gerard Shortle, *European Commission DG Environment*
- Anikó Seregélyi, *European Commission, DG Agriculture and Rural Development*
- Carlos Mario Gomez, representative of *EIP Water*

Part 2: The Projects

Interviews with EIP-AGRI Operational Groups, H2020 research, EIP-Water Action Group, LIFE and INTERREG project representatives

Part 3: The Discussions

Main outcomes of Focus Groups at European and National level

- Helena Gomez Macpherson, coordinating expert of *EIP-AGRI Focus Group: Water & agriculture: adaptive strategies at farm level*
- **Raquel Bravo Rubio, coordinator of *Spanish Focus Group on Water management, energy and environment***

10:45 – 11:15

Coffee break

11:15 – 13:00

Interactive exhibition of projects

Meet and learn about Operational Groups, H2020 research, EIP-Water, LIFE and INTERREG innovative projects

13:00-14:00

Lunch

14:00

Departure for field visits

funded by the European Commission





GOBIERNO DE ESPAÑA

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SECRETARÍA GENERAL DE AGRICULTURA Y ALIMENTACIÓN
DIRECCIÓN GENERAL DE DESARROLLO RURAL Y POLÍTICA FORESTAL



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DIRECCIÓN GENERAL DE DESARROLLO RURAL Y POLÍTICA FORESTAL

EIP-AGRI WORKSHOP

Connecting innovative projects: water & agriculture

SPANISH FOCUS GROUP ON IRRIGATION, ENERGY AND ENVIRONMENT

Raquel Bravo Rubio

Deputy-Directorate General for Irrigation and Water Economy





1. IRRIGATION IN SPAIN

2. FOCUS GROUP ON IRRIGATION, ENERGY AND ENVIRONMENT

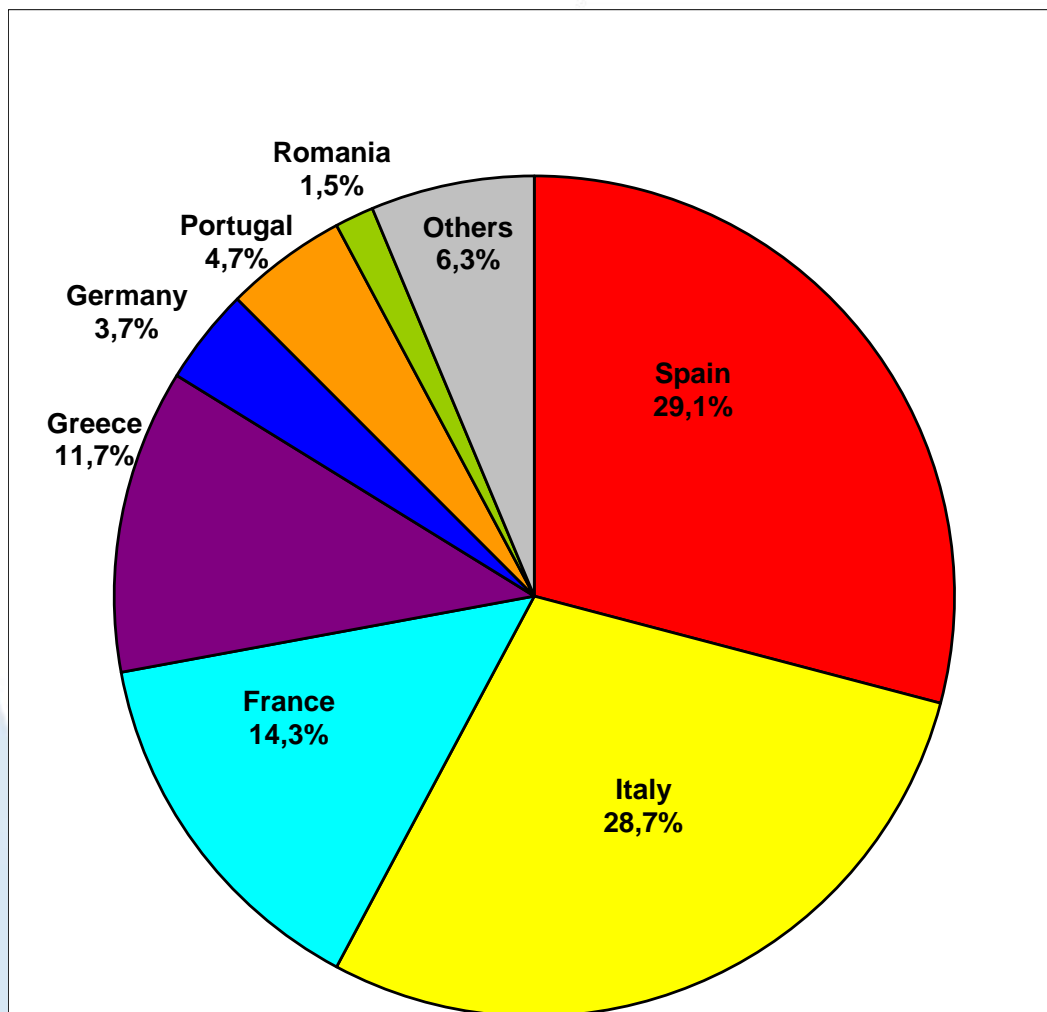
3. CONCLUSIONS





1.-IRRIGATION SURFACE IN EUROPEAN UNION

15,000,000 ha

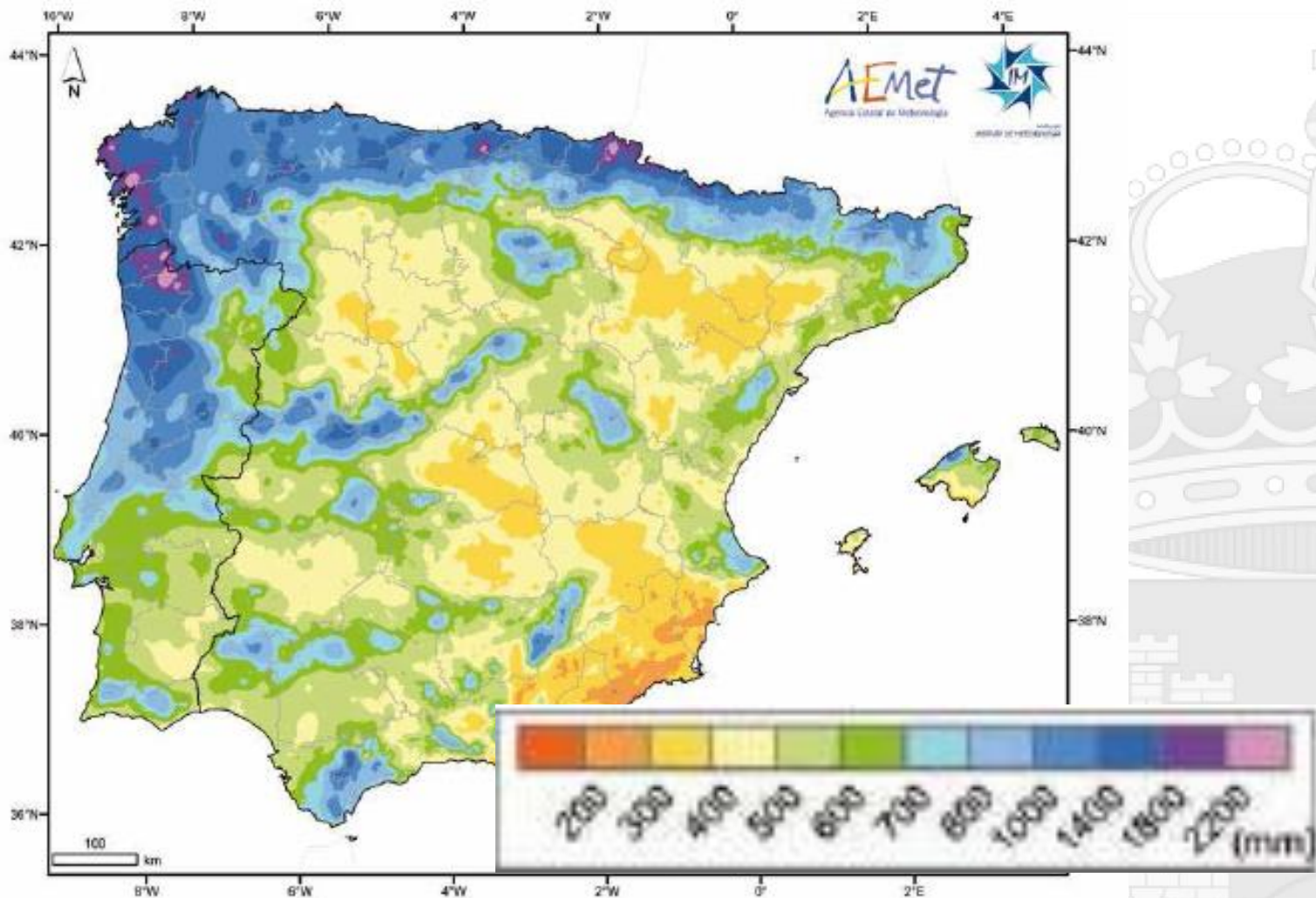


SOURCE: EUROSTAT





1.-THE NEED OF IRRIGATION IN SPAIN DISTRIBUTION OF RAINFALL

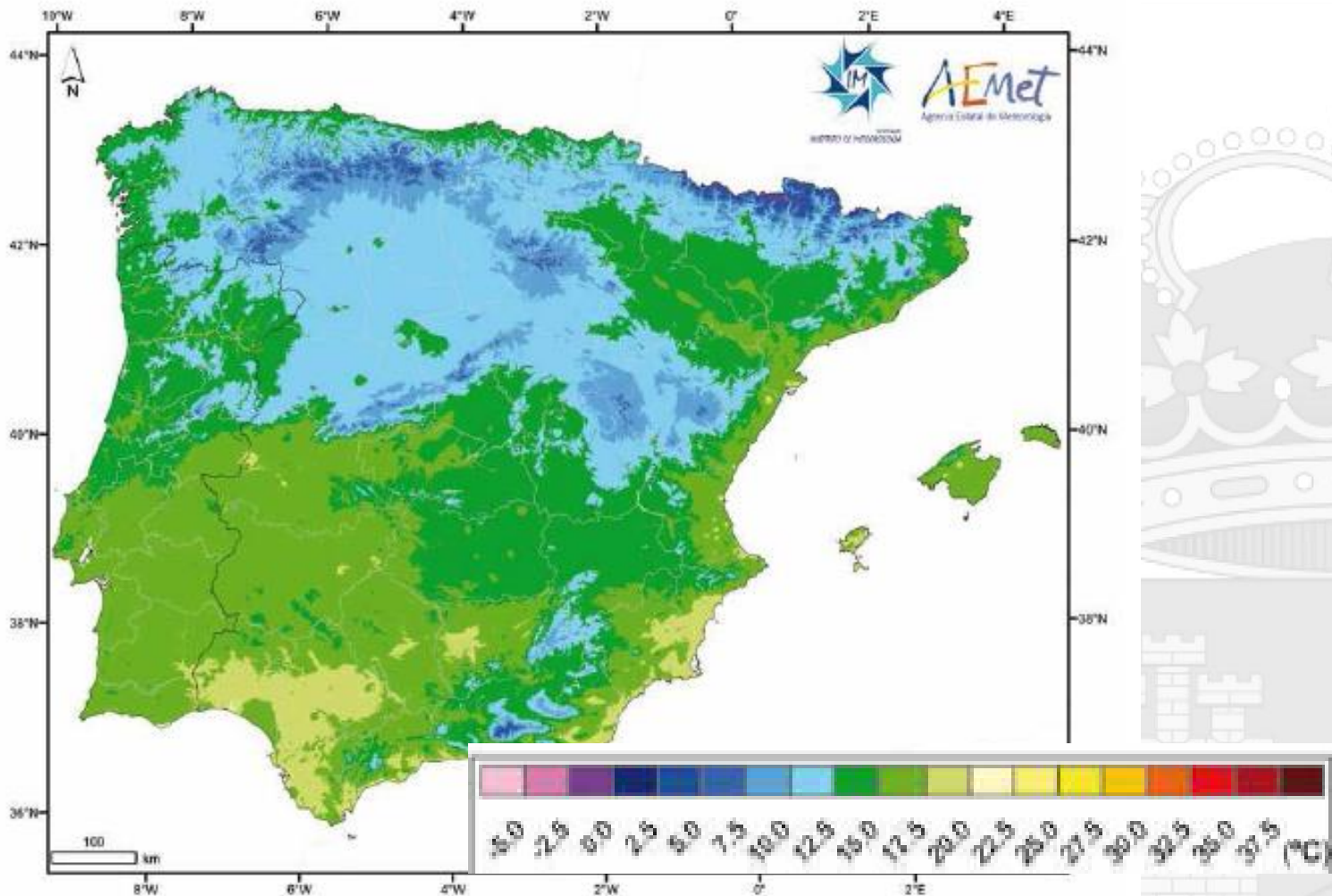


SOURCE: AEMET

http://www.aemet.es/es/conocermas/recursos_en_linea/publicaciones_y_estudios/publicaciones/detalles/Atlas-climatologico



1.-THE NEED OF IRRIGATION IN SPAIN DISTRIBUTION OF TEMPERATURES

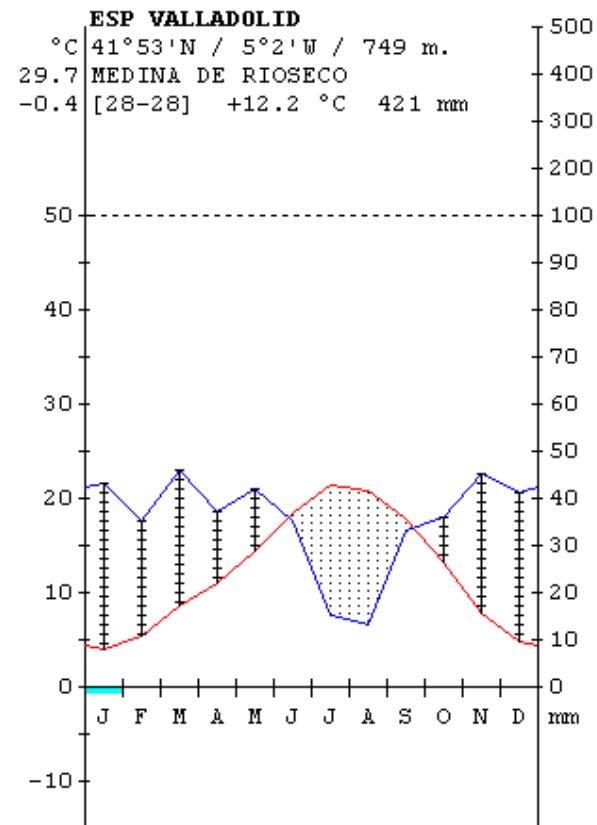
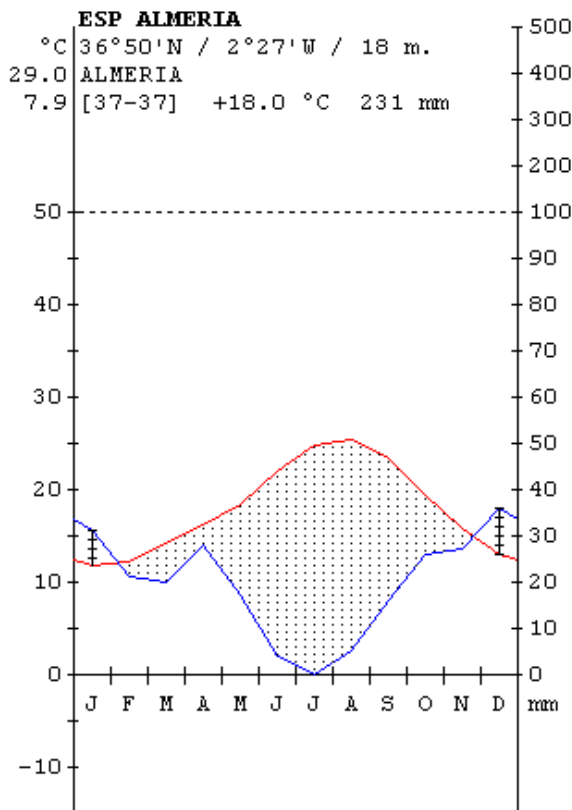
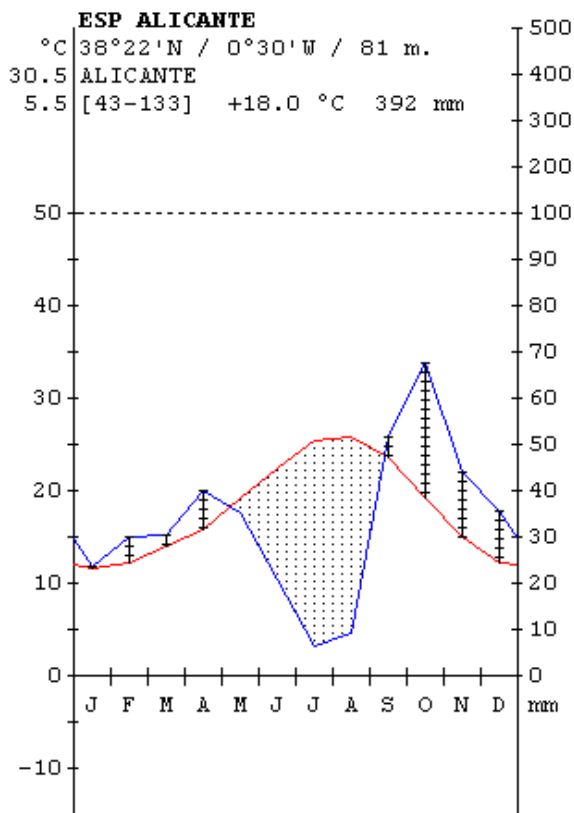


SOURCE: AEMET

http://www.aemet.es/es/conocermas/recursos_en_linea/publicaciones_y_estudios/publicaciones/detalles/Atlas-climatologico

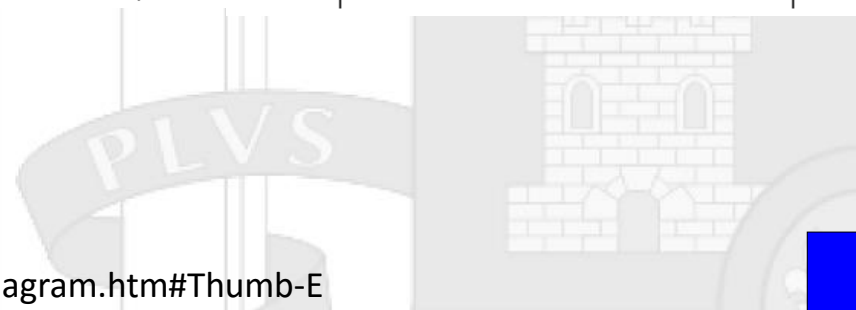


1.-THE NEED OF IRRIGATION IN SPAIN DURING THE YEAR

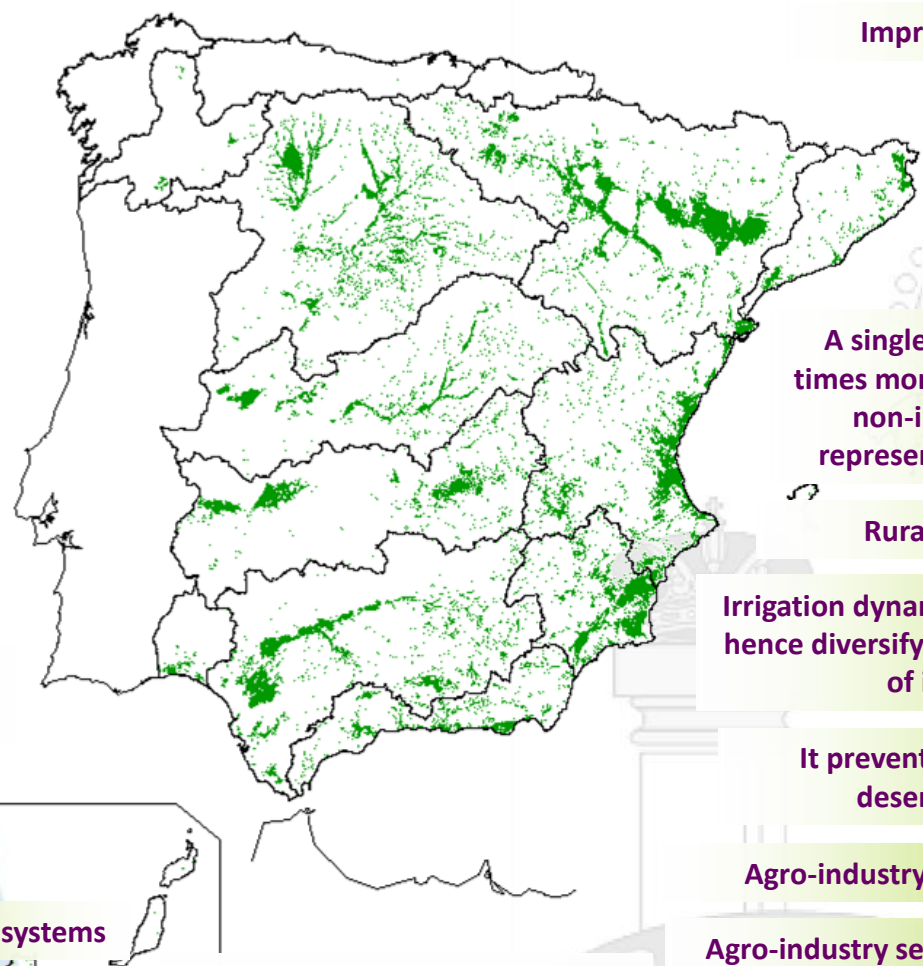


SOURCE:

<http://webs.ucm.es/info/cif/plot/diagram.htm#Thumb-E>



1.-IMPORTANCE OF IRRIGATION IN SPAIN



It helps settling rural population, therefore reducing rural exodus

Employment generation. Irrigated agriculture creates up to three times more jobs than non-irrigated one

Throughout the use of innovative technologies, it creates qualified hand labour

Empowers economic rural development

Enhancing living standards in rural areas

3.6 million hectares are annually irrigated

Associated agroecosystems

Flow rates regulation

Water used for irrigation stands for 68% of the total water demand.

Improving territorial cohesion

At present, irrigation produces 55% of the final agricultural production PFA, taking up only 16% of the tilled land

A single irrigated hectare yields 6 times more agricultural output than a non-irrigated one, in the end representing a rent 4 times higher

Rural incomes support

Irrigation dynamizes crop rotation, hence diversifying farmers sources of income

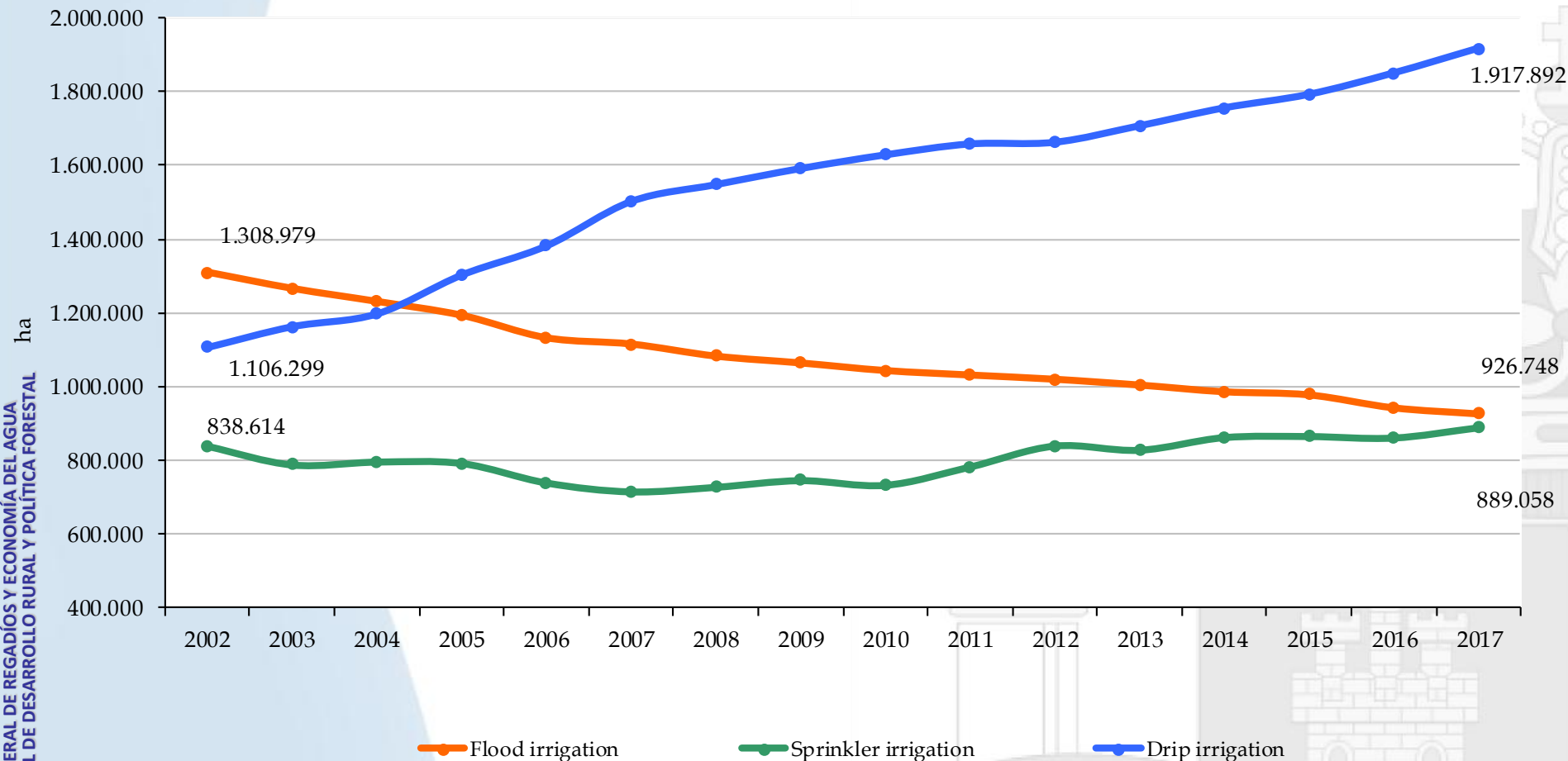
It prevents erosion and desertification

Agro-industry support

Agro-industry sector takes up 17% of national industry

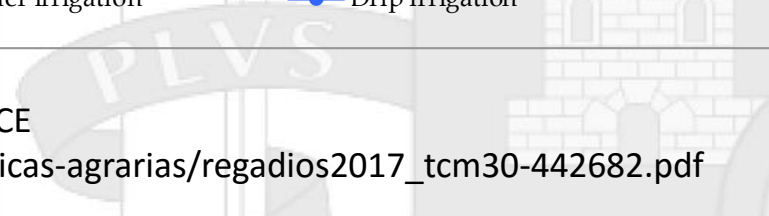


1.-EVOLUTION OF IRRIGATION SYSTEMS IN SPAIN WATER SAVING AND INCREASED ENERGY CONSUMPTION



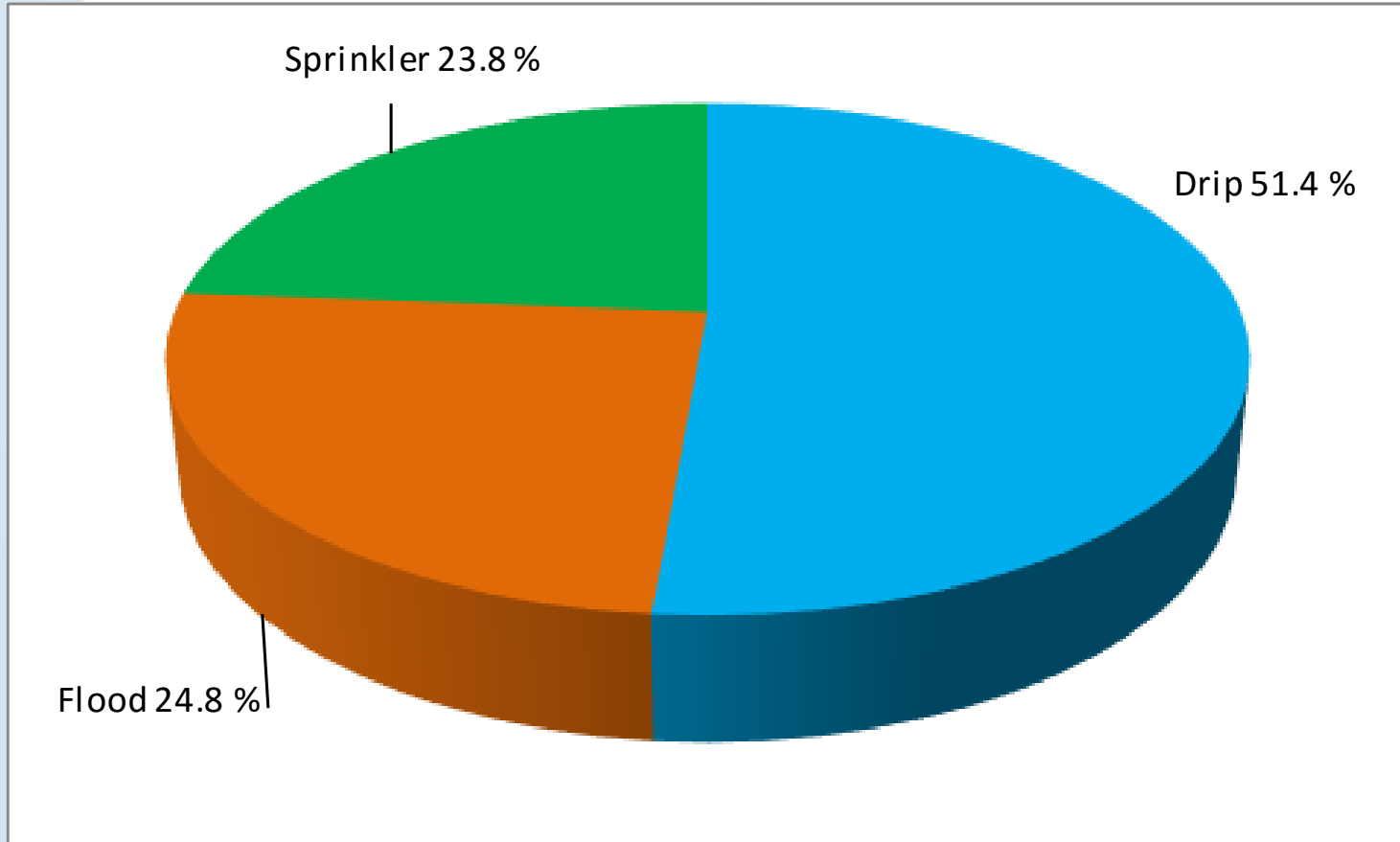
SOURCE: ESYRCE

http://www.mapama.gob.es/es/estadistica/temas/estadisticas-agrarias/regadios2017_tcm30-442682.pdf





1.-SHARE OF IRRIGATION SYSTEMS IN SPAIN (2017)



SOURCE: ESYRCE (2017)

http://www.mapama.gob.es/es/estadistica/temas/estadisticas-agrarias/regadios2017_tcm30-442682.pdf



2.-FOCUS GROUP ON IRRIGATION, ENERGY AND ENVIRONMENT

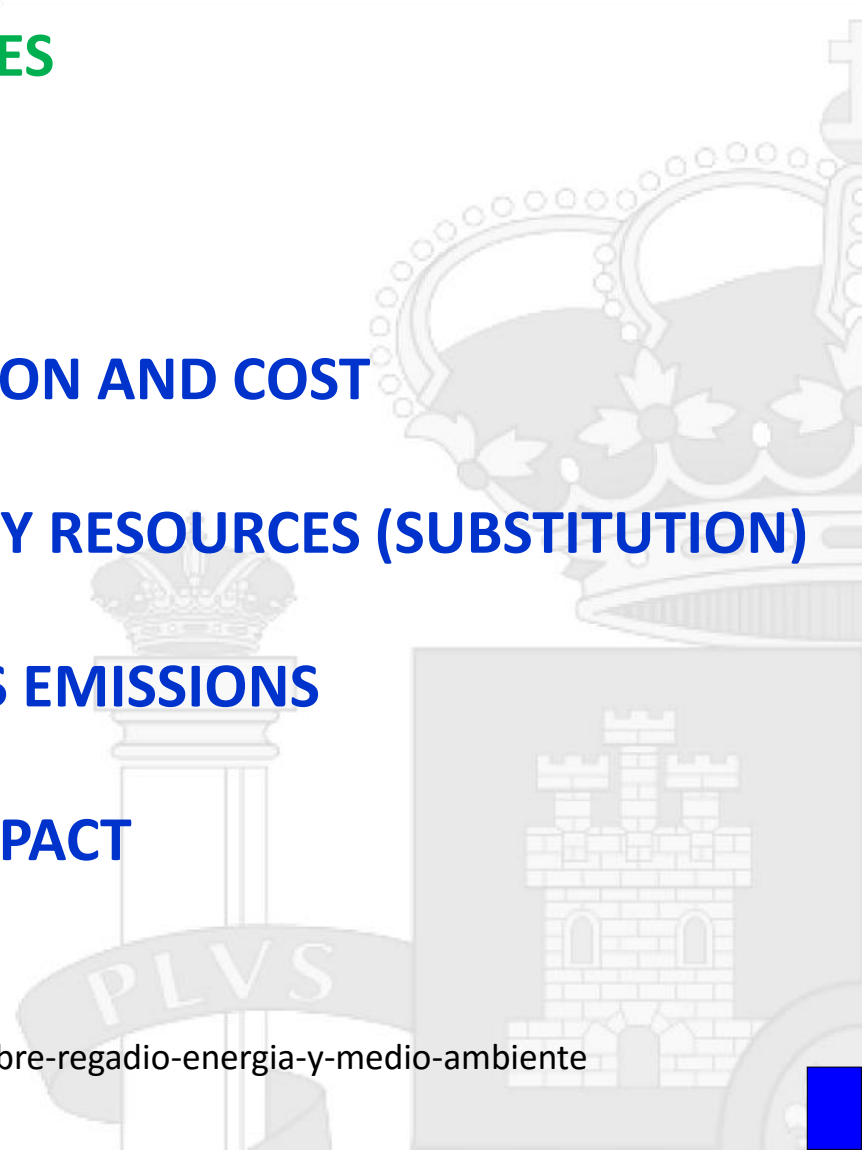


OBJECTIVES

- **↓ ENERGY CONSUMPTION AND COST**
- **↑ ALTERNATIVE ENERGY RESOURCES (SUBSTITUTION)**
- **↓ GREENHOUSE GASES EMISSIONS**
- **↓ ENVIRONMENTAL IMPACT**

SOURCE:

<http://www.redruralnacional.es/grupo-focal-sobre-regadio-energia-y-medio-ambiente>



2.- FOCUS GROUP ON IRRIGATION, ENERGY AND ENVIRONMENT

20 MEMBERS



Asociación de Comunidades de Regantes de Andalucía



FERGUADIANA
CR CANAL
TORO-ZAMORA



CONSEJO SUPERIOR DE INVESTIGACIONES CIENTÍFICAS

CSIC



INTIA



POLITÉCNICA



UNIVERSIDAD DE CORDOBA



1542

Universidad Zaragoza



2.-FOCUS GROUP ON IRRIGATION, ENERGY AND ENVIRONMENT



Kick-off meeting



2.- FOCUS GROUP ON IRRIGATION, ENERGY AND ENVIRONMENT

RESULTS



➤ STATE OF THE ART

➤ DATABASE OF PROFESSIONALS AND ORGANIZATIONS INTERESTED IN IRRIGATION, ENERGY AND ENVIRONMENT FOR FURTHER NETWORKING

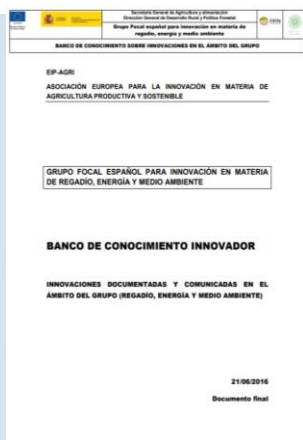
➤ DATABASE OF INNOVATE KNOWLEDGE AND EXPERIENCES GATHERED ALONG THE FC LIFECIRCLE

➤ IDENTIFICATION OF PRIORITIES OF RESEARCH, DEVELOPMENT AND INNOVATION ON IRRIGATION, ENERGY AND ENVIRONMENT

➤ IDENTIFICATION OF PRIORITIES OF INFORMATION, TRAINING AND ASSESSMENT ON IRRIGATION, ENERGY AND ENVIRONMENT

SOURCE:

<http://www.redruralnacional.es/grupo-focal-sobre-regadio-energia-y-medio-ambiente>





2.-FOCUS GROUP ON IRRIGATION, ENERGY AND ENVIRONMENT

DISSEMINATION OF RESULTS



➤ RED RURAL NACIONAL WEBSITE

<http://www.redruralnacional.es/grupo-focal-sobre-regadio-energia-y-medio-ambiente>

➤ WORKSHOP “DIFUSIÓN DE LOS RESULTADOS DE LOS GRUPOS FOCALES DE AEI AGRI”

Madrid, May 2016

<http://www.redruralnacional.es/-/jornada-de-la-red-rural-nacional-para-la-transferencia-de-los-resultados-a-nivel-nacional-de-los-grupos-focales-europeos-organizados-en-el-marco-de-la>

➤ WORKSHOP “EIP-AGRI Networking & Communication”.

Budapest, October 2016

https://ec.europa.eu/eip/agriculture/sites/agri-eip/files/field_event_attachments/20161004-05_ws_budapest_pres06_spanish_focus_group_on_irrigation_energy_and_environment_carolina_gutierrez.pdf

➤ SOCIAL MEDIA



2.- FOCUS GROUP ON IRRIGATION, ENERGY AND ENVIRONMENT



MAIN LESSONS

- **BEFORE LAUNCHING A FOCUS GROUP IT IS NECESSARY TO ESTABLISH A PATHWAY**
- **THE TASKS HAVE TO BE CLEARLY ESTABLISHED, ACCORDING TO THE ROLE AND EXPERIENCE OF EACH PARTICIPANT. OTHERWISE, THEIR CONTRIBUTIONS WILL BE RANDOM THOUGHTS**
- **COORDINATOR HAS A KEY ROLE IN THE SUCCESS OF THE FOCUS GROUP**
- **THE WHOLE PROCESS TAKES A LOT OF EFFORT AND TIME**
- **PEOPLE WHO HAVE NOT BEEN SELECTED AS MEMBER MAY HAVE A KEY ROLE IN THE DISSEMINATION OF RESULTS**



3.- CONCLUSIONS

- **IRRIGATION IN SPAIN HAS A KEY ROLE IN AGRIFOOD SYSTEM AND ECONOMY**
- **THE CONSUMPTION OF ENERGY BY IRRIGATION IS INCREASING DUE TO MODERNIZATION OF IRRIGATION SYSTEMS AND WATER SAVING**
- **THE COST OF ENERGY IS A KEY ELEMENT FOR A COMPETITIVE AGRICULTURE**
- **IRRIGATION IS AN ADAPTATION MEASURE TO CLIMATE CHANGE AND ALTERNATIVE ENERGIES ARE IMPORTANT FOR MITIGATION**
- **FOCUS GROUP ON IRRIGATION, ENERGY AND ENVIRONMENT HAS BEEN COORDINATED BY THE MINISTRY OF AGRICULTURE, FISHERIES, FOOD AND ENVIRONMENT AS A PILOT EXPERIENCE WITH GOOD RESULTS IN A KEY SECTOR FOR RURAL DEVELOPMENT IN SPAIN**



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THANK YOU

Raquel Bravo Rubio
Rbravo@mapama.es

Deputy-Directorate General for Irrigation and Water Economy

SUBDIRECCIÓN GENERAL DE REGADÍOS Y ECONOMÍA DEL AGUA
DIRECCIÓN GENERAL DE DESARROLLO RURAL Y POLÍTICA FORESTAL

