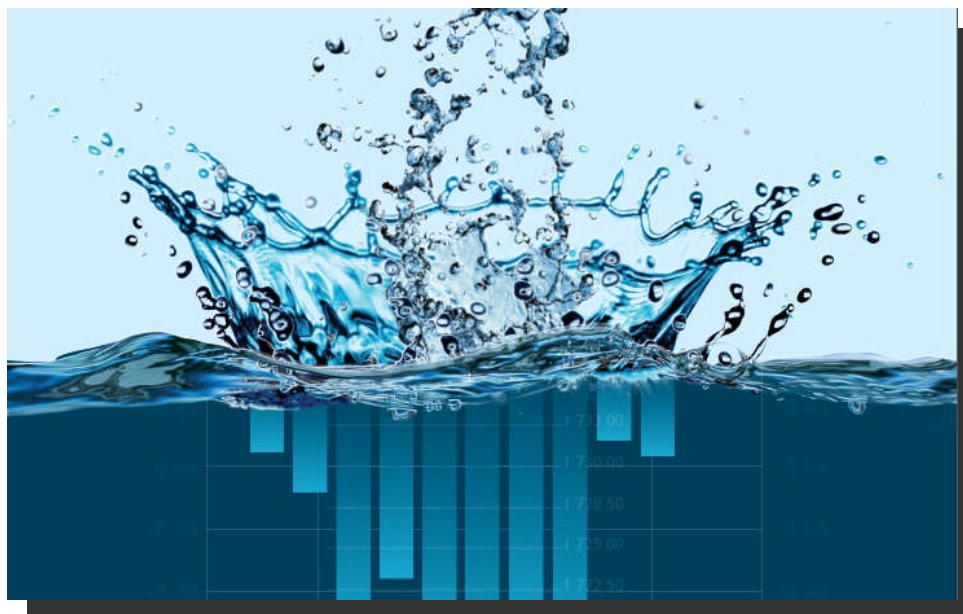




# GuaSEAW+

New Developments in Water Accounts Implementation in Guadiana River Basin



# GuaSEEAW+ Objectives

GuaSEEAW+ project is the continuation of GuaSEEAW project carried out during 2012.

Duration of 12 months.

Our Purpose:

- i. To establish a solid and semi-automatic implementation of SEEAW at Guadiana river basin, using the last hydrological / economic available year (2010-2011).
- ii. To test Guadiana water accounts with ground truth.
- iii. To develop a Guidelines to encourage optimal water management.
- iv. To carry out an Awareness & Dissemination campaign along GuaSEEAW+ project life.

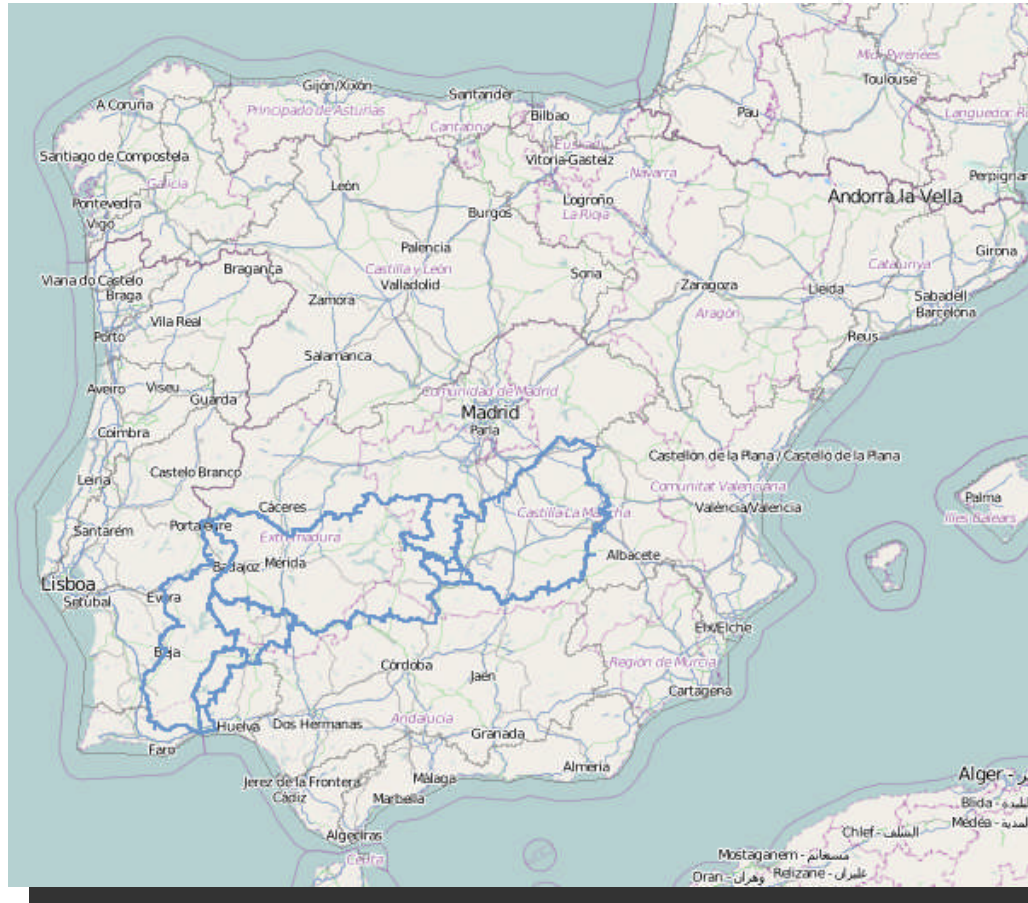
# GuaSEAW+ Consortium



Instituto Murciano de Investigación y Desarrollo Agrario y Alimentario



# Guadiana numbers



**Total Area:** 67.147,66 km<sup>2</sup>

55.527,70 km<sup>2</sup> SP (83 %)

11.620,10 km<sup>2</sup> PT (17 %)

**Population:** 1.452.603 inhab.

**Density:** 20,42 inhab/km<sup>2</sup>

**River Length:** 7.000 km

**Average Rainfall:** 522 mm/year

**ETP:** 990 mm/year

**Water Cost Recovery:** 87%

**Ground-water Surface:** 22.484 km<sup>2</sup>

**Crop Surface:** 3 Mill. ha (90% irrigated)

**Lakes, transitional and coastal waters:** 1.000 km<sup>2</sup>

**160 wetlands (8 Ramsar, 2 Biosphere Reserves)**

# GuaSEEAW+ Schedule

ACTIVITIES	First Semester						Second Semester					
	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12
Phase 1 . Management												
Phase 2 . New developments in Guadiana Water Accounts												
Phase 3 . Guidelines to water management												
Phase 4 . Awareness & Dissemination activities												

1. Establishment of relationships between EU and GuaSEEAW+ consortium.  
Communication between consortium members.
2. Project management: delivery of periodical management and technical reports, resolution of problems, delays...



# Developments in Guadiana Accounts

ACTIVITIES	First Semester						Second Semester					
	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12
Phase 1 . Management												
Phase 2 . New developments in Guadiana Water Accounts												
Phase 3 . Guidelines to water management												
Phase 4 . Awareness & Dissemination activities												

1. To produce hydrological modeling (SIMPA: rainfall-runoff and groundwater model) and to update basin management balances (AQUATOOL).

The main components will be adapted to the geographical ECRINS database and implemented into GuaSEEAW WebGIS.

2. To collect hydrological and economic data to be incorporated by semiautomatic way in SEEAW tables.

Tables will be: aggregated at sub-basin level (or exploitation unit level) depending on user's requirements, compiled at monthly resolution and produced for the most recent hydrological/economical year (2010-2011).

Tables will be validated with ground-truth.

# Guidelines for Optimal water management

ACTIVITIES	First Semester						Second Semester					
	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12
Phase 1 . Management												
Phase 2 . New developments in Guadiana Water Accounts												
Phase 3 . Guidelines to water management												
Phase 4 . Awareness & Dissemination activities												

1. To identify a comprehensive set of water indicators to analyse the status of water resources, the effect of the main pressures affecting Guadiana River Basin and the financial sustainability of some water services.
2. To collect experiences about gaps to estimate agriculture demand, detection of illegal use of water, control of over-exploited aquifers, exchange of irrigated rights... by using innovative technologies and the analysis of its effectiveness in relation with traditional ones.

# Dissemination and Awareness

ACTIVITIES	First Semester						Second Semester					
	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12
Phase 1. Management												
Phase 2 . New developments in Guadiana Water Accounts												
Phase 3 . Guidelines to water management												
Phase 4 . Awareness & Dissemination activities		★					★				★	

1. Three different **Awareness and Dissemination Meetings** will occur along GuaSEEAW+ project life.

Meetings will take place at **MAGRAMA premises**, convened by **DG Water** and organized by GuaSEEAW+ consortium.

**Assistants:** representatives of Spanish and Portuguese River Basin Authorities (Planning Office), MAGRAMA members, representatives of the other pilot projects and/or EC members.

2. Development of [www.seeawater.eu](http://www.seeawater.eu) where will be include GuaSEEAW WebGIS, SEEAW & ECRINS interest information, River basins information...





# GuaSEAW+

New Developments in Water Accounts Implementation in Guadiana River Basin

A central graphic showing a dynamic splash of water droplets in shades of blue and white, set against a background of a blue bar chart with several vertical bars of varying heights. The text "Thanks for your attention!" is overlaid in large, bold, red letters with a white outline.

**Thanks for your attention!**

