

# PHARMASEA

## PRESENCE, BEHAVIOR AND RISK ASSESSMENT OF PHARMACEUTICALS IN MARINE ECOSYSTEMS

### PROJECT PARTNERS:



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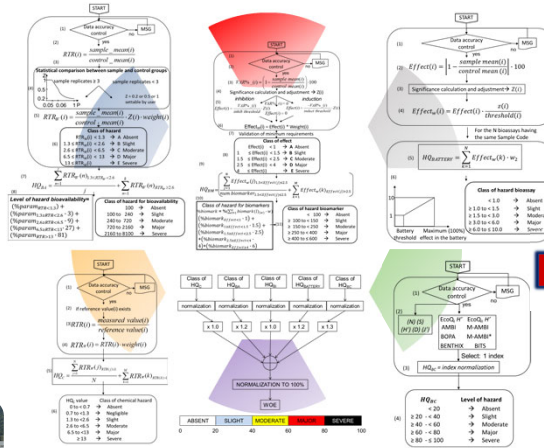


The Spanish National Research Council  
SPAIN

### WP1. PHARMACEUTICALS IN EUROPEAN COASTS

Qualitative and quantitative characterization of the presence, distribution, fate and behavior of pharmaceuticals in seawater, sediments and biota

Mapping priorities and scientific gaps



### WP4. DISSEMINATION, STAKEHOLDER ENGAGEMENT

Raise awareness on the environmental relevance of pharmaceuticals in aquatic ecosystems

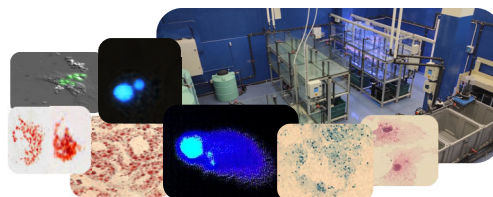
Ensure scientifically correct communication of the project

Promote participative approach and citizens engagement



### WP3. DEVELOPMENT OF RISK ASSESSMENT PROCEDURES

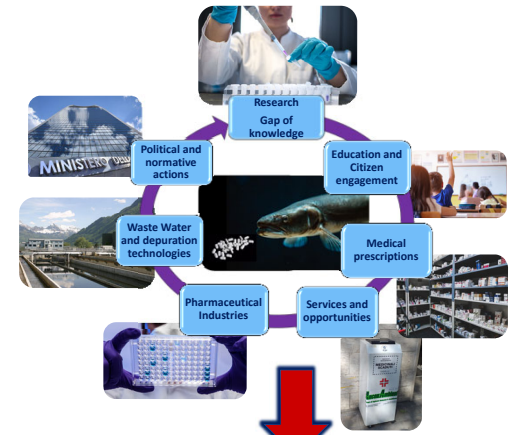
Software development for a more comprehensive and site-specific procedure for pharmaceuticals environmental risk assessment



### WP2. EFFECTS OF PHARMACEUTICALS IN AQUATIC SPECIES

Evaluation of uptake, bioaccumulation, biotransformation and excretion kinetics of pharmaceuticals in aquatic, non-target model species

Mechanisms of action and ecotoxicological adverse effects from molecular to organismal level



### NATIONAL FUNDING AGENCIES:



### WP5. PROJECT AND DATA MANAGEMENT

