

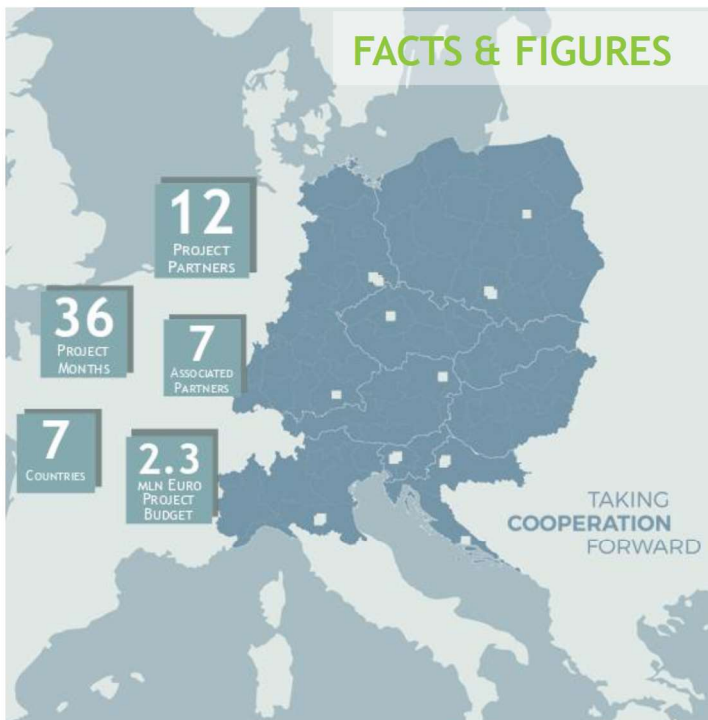


## MOTIVATION

### NEW WATER POLLUTIONS - CURRENT PROBLEM FOR DRINKING WATER MANAGEMENT

Water is one of the most valuable raw materials for today's civilization and one of the most important factors that determine the quality of our lives. The aquatic environment, from which we produce drinking water in Europe, contains anthropogenic substances which presence was unknown recently and there are still considerable knowledge gaps. This is where boDEREC-CE sets an innovative approach by implementing pilot sites in CE countries to monitor and attenuating emerging contaminants (EC), above all pharmaceuticals and personal care products (PPCP).

## FACTS & FIGURES



## STRATEGY AND ACTION PLAN

### TRANSNATIONAL STRATEGY FOR PPCP MITIGATION IN DRINKING WATER - TRAST-PPCP

Transnational strategy will encompass new prospects in legislative solutions, provided by experts, for Mitigation of emerging contaminants (PPCP), defining necessary steps for optimization of organizational structures and future-oriented drinking water management.

## TOOLS

### STATE-OF-THE-ART OF CURRENT PRACTICES IN RELATION TO EMERGING CONTAMINANTS IN THE WATER ENVIRONMENT

State-of-the-art gives an overview of the identified contaminants, attenuation strategies, analytical techniques and monitoring strategies and approaches.

### DATA COLLECTION TOOL FOR EMERGING CONTAMINANTS

Based on gaps identified data collection tool will be used to formulate recommendations for an implementation / improvement of data collection on emerging contaminants.

### MODEL-BASED DECISION-MAKING TOOL FOR EMERGING CONTAMINANTS (modePROCON)

The tool will support water suppliers and authorities in decision-making process concerning EC in a catchment area and will include solution for needs identified during a set of stakeholders' workshops.

### DECISION-MAKING SUPPORT TOOL FOR WATERWORKS - wwDEMAST

Decision making support tool for selecting treatment option/method for mitigating PPCP concentrations will be developed for and used by public water suppliers in case of increasing trends of PPCP. Furthermore, wwDEMAST will contribute to development of new and improved guidelines and legislation related to PPCP in drinking water.



## TRAINING

### STANDARDIZED TRAINING PROCEDURE FOR modePROCON, IMPLEMENTED IN A MASSIVE OPEN ONLINE COURSE (MOOC)

Massive Open Online Course (MOOC) for modePROCON will be implemented - an online training course training the application of modePROCON based on showcased pilot action models. The MOOC will be integrated in free-of-charge online MOOC libraries (e.g. EdX) and integrated in the project website.

## PILOT ACTIONS

Each pilot action is clustered concerning origin of drinking water resources

### PILOT ACTION CLUSTER 1

#### Surface water:

UPPER SILESIA INDUSTRIAL REGION, POLAND  
PO RIVER BASIN, ITALY  
DRESDEN - HOSERWITZ, GERMANY

### PILOT ACTION CLUSTER 2

#### Groundwater:

KARANY-JIZERA, CZECH REPUBLIC  
LJUBLJANSKO POLJE, SLOVENIA  
NEUFAHRN MUNCHEN, GERMANY

### PILOT ACTION CLUSTER 3

#### Karst water:

JADRO CATCHMENT, CROATIA  
WADHOFEN/YBBS, AUSTRIA



Kozłowa Góra reservoir, PL

Jadro spring, CRO



## MAIN OBJECTIVE

DEFINITION OF AN INTEGRATED MANAGEMENT STRATEGY FOR WATERWORKS THAT GUARANTEES INCREASED QUALITY OF DRINKING WATER

## SPECIFIC OBJECTIVES

- STUDIES ON PPCPS IN THE NATURAL ENVIRONMENT
- EVALUATION OF THE TECHNOLOGICAL ASPECTS OF PPCP ATTENUATION IN DRINKING WATER
- ESTABLISHING OF DECISION SUPPORT SYSTEM FOR WATERWORKS

## TARGET GROUPS

Water suppliers, wastewater treatment companies, universities and research institutions, public authorities, water management and environmental authorities, general public



## DISCOVER MORE ABOUT boDEREC-CE

- <https://www.interreg-central.eu/boDEREC-CE.html>
- <https://www.facebook.com/boderecce/>
- <https://www.linkedin.com/company/boderec-ce>
- <https://www.researchgate.net/project/boDEREC-CE>

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### Project Partners



Univerca i Ijibjani



# BOARD FOR DETECTION AND ASSESSMENT OF PHARMACEUTICAL DRUG RESIDUES IN DRINKING WATER - CAPACITY BUILDING FOR WATER MANAGEMENT IN CE



TAKING COOPERATION FORWARD