Assessment of technologies for the removal of pharmaceuticals and personal care products in sewage and drinking water facilities to improve the indirect potable water reuse (POSEIDON)

Fact Sheet

Project Information

POSEIDON
Grant agreement ID: EVK1-CT-2000-00047

Funded under FP5-EESD

Overall budget € 2 290 274

EU contribution € 1 372 963

Coordinated by FEDERAL INSTITUTE OF HYDROLOGY

Germany

Objective

POSEIDON is focused on the assessment and improvement of technologies for the removal of pharmaceuticals and ingredients of personal care products (PPCPs) in wastewater and drinking water facilities to prevent the contamination of receiving waters, groundwater and drinking water by planned and unplanned indirect potable water reuse of treated urban wastewater.

POSEIDON comprises
a) the removal efficiency and fate of PPCPs in conventional and advanced wastewater and drinking water treatment under laboratory, pilot and full-scale conditions including modern sustainability such as source control,
b) performance of environmental risk assessments (ERAs).
b) performance of environmental risk assessments (ERAs),
c) completion of a strategy for indirect potable water reuse of treated urban wastewater taking into consideration the distinct PPCP contamination in the wastewater. A strategy will be delivered for an optimum coination of wastewater and drinking water treatment to remove PPCPs considering varying qualities of the water resources.

**Programme(s)**

**Topic(s)**

**Funding Scheme**

CSC - Cost-sharing contracts

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