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DECREASING EUROPEAN WATER POLLUTION

SOCOPSE



SOURCE CONTROL OF PRIORITY SUBSTANCES IN EUROPE

Topics addressed: FP6-2005-Global-4,
Topic: II. 3.1 Source control of priority substances
Project duration: 2006-2009
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Project website: www.socopse.se

SOCOPSE



SOURCE CONTROL OF PRIORITY SUBSTANCES IN EUROPE

The project in brief

With the new regulations included in the Water Framework Directive (2000/60/EC), new strategies are needed for control of Priority Substances. For decision-making and implementation of the directive, the industrial sector, local water authorities and EU policy makers need guidelines for the selection and introduction of feasible and cost-effective measures.

The overall objective of this project is to support the implementation process for the Water Framework Directive by providing guidelines and decision support system for the management of priority substances.

The Water Framework Directive has identified 33 Priority Substances (PS) for which environmental quality standards and emission control measures have to be established. From this list, a group of substances were identified, which will be subject to cessation or phasing out of discharges, (Annex VIII). SOCOPSE will focus on a set of priority substances representing different uses and emission sources. These include industrial chemicals, pesticides and unintentionally released compounds.

The Priority Hazardous Substances selected for SOCOPSE

Name of PHS	Major uses or emission sources
Polycyclic aromatic hydrocarbons, PAH, including Anthracene*	Incomplete combustion
Brominated diphenyl ethers, PBDE*	Flame retardant
Mercury, Hg	Chlor alkali industry, coal combustion
Cadmium, Cd	Numerous
Tributyltin, TBT	Antifoulant; preservative; stabiliser in plastics;
Nonylphenol	Industrial chemical Forms through degradation of NP-ethoxylates
Hexachlorobenzene, HCB	Unintended formation, Fungicide
Isoproturon*	Pesticide
Atrazine*	Pesticide
Di(2-ethylhexyl)-phthalate, DEHP*	Plasticiser

*not part of EU PHS

The project will apply tools and test methodology in four selected case study areas in Europe:

- **West** - the Maas catchment in the Netherlands
- **North** – the Baltic Sea catchment
- **Central** - the Danube catchment
- **South** - the Ter/Llobregat catchment in Spain



The main objective of SOCOPSE will be fulfilled by the following activities:

- To conduct a material flow analysis for selected priority pollutants.
- To evaluate available and emerging measures and management options for PPs.
- To develop a decision support system for identification and selection of relevant measures on European, national and regional levels.
- To evaluate different potential measures by applying the decision support systems in the case studies.
- To facilitate the development of collective action plans (i.e. river basin management plans) involving all stakeholders (industries, authorities, citizens, NGOs).
- To disseminate results to stake-holders and to strongly interact with industrial organisations, research networks, authorities and NGOs.

The main results from the project will be discussed at a final seminar in 2009 and key findings will be communicated to a wider stakeholder audience via project reports and short briefing notes.
To know more, please visit the common project website www.socopse.se