

## **JASPERS Networking Platform**

### **Workshop on good practices and experiences in sludge management and treatment**

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**Date:** **6-7 June 2018**

**Location:** **JASPERS Warsaw Office**  
Plac Pilsudskiego 1  
PL-00 078 WARSAW, Poland

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The JASPERS Networking Platform was created to complement JASPERS project advisory operations, by addressing specific project preparation problems of horizontal nature, enhancing knowledge sharing activities, dissemination of best practices and exchange of experience among JASPERS Stakeholders, as well as implementing capacity building activities.

More information is available at [www.jaspersnetwork.org](http://www.jaspersnetwork.org)

#### **Description of the Workshop**

Approximately 10 million tonnes (dry solids) of sewage sludge are generated annually in the EU. The costs of treating, utilising and disposing of this sludge can be substantial – accounting for up to 50% of the costs of waste water treatment in extreme cases.

The management options for sludge are constrained by legislation, such as the Landfill Directive (1999/31/EC) and the Sewage Sludge Directive (86/278/EEC). However, sludge is also viewed as a resource, not only in agriculture as a soil conditioner and fertiliser, but also as a source of renewable energy and of phosphorus, for which a range of recovery technologies are emerging.

The workshop will provide information on the options available for sludge management, the advantages, disadvantages, practicalities and costs of existing and emerging techniques. Information on sludge management approaches being used throughout Europe will be examined, and more detailed case studies from a range of EU Member States will be presented.

The workshop will give participants a good understanding of the issues pertaining to sludge management and enhance their capacity to assess the selection of suitable options at a project level, at a regional scale and even nationally. Legal and policy measures to facilitate the adoption of optimal sludge management strategies will be highlighted for discussion.

The workshop is aimed to support representatives from managing authorities, line ministries and beneficiaries that are responsible for the development and oversight of projects in the water sector.

To register for the event, please fill out the following [online form](#).

Applicants are encouraged to prepare questions on the topics that will be addressed in the workshop using the online form, as a proposal for discussion during the Q&A sessions planned in the following tentative agenda.

The **deadline for the registration is Friday 1st June 2018** but we encourage interested participants to register early as the **number of places is limited to 30 participants** to ensure an interactive workshop.

For more information on this event, please contact [jaspersnetwork@eib.org](mailto:jaspersnetwork@eib.org).

## FINAL AGENDA

<b>DAY 1 – Wednesday 6<sup>th</sup> JUNE 2018</b>		
<b>09.30</b>	Registration Welcome Refreshments	
<b>10.30</b>	Opening of the Workshop Objectives and Context	Massimo MARRA, JASPERS Networking Platform
<b>10.45</b>	European Legislation and Policy Drivers and constraints	JASPERS
<b>11.15</b>	Key information about sludge Sludge production and management trends in Europe	JASPERS
<b>11.45</b>	Technologies for sludge management Advantages, disadvantages, and practicalities	JASPERS
<b>12.15</b>	Questions and Answers: Discussion	
<b>12.30</b>	Lunch Break	
<b>14.00</b>	Case Study – Poland The case of Radom	Marek Gózdź, Radom / JASPERS
<b>14:30</b>	Case Study – Croatia Option analysis for sludge management in the context of UWWTD compliance efforts in Croatia	Damjan NEMEC
<b>15:00</b>	Case Study – Sweden Certification of sludge and reedbeds	Magnus EMANUELSSON, SWECO
<b>15:30</b>	Coffee Break	
<b>16.00</b>	Case Study – Denmark Local and Regional Approaches	Lise-Lau Bang NIKOLAJSEN, JASPERS
<b>16:30</b>	Questions and Answers: Discussion	
<b>17.00</b>	Summary and Conclusions	James HUNT, JASPERS
<b>17.15</b>	Close and Depart	
<b>20.00</b>	Evening Get-together	

<b>DAY 2 – Thursday 7<sup>th</sup> JUNE 2018 - Site Visit to Czajka WWTP, Warsaw (2 million p.e.)</b>		
<b>08.50</b>	Meeting at JASPERS Office	
<b>09.15</b>	Depart from JASPERS office	
<b>10.00</b>	Introduction: Czajka WWTP	Warsaw Water Company
<b>10.15</b>	Sludge Management in Warsaw; Presentation, Discussion	Warsaw Water Company
<b>10.45</b>	Tour of Waste Water Treatment Facility	Warsaw Water Company
<b>11.30</b>	Tour of Sludge Management Facility and Incinerator	Warsaw Water Company
<b>12.30</b>	Wrap-up session Questions and Answers: Discussion	
<b>12.45</b>	Depart Czajka WWTP	
<b>13.30</b>	Networking Lunch: Jaspers	
<b>14.30</b>	Close and Depart	

**For reasons of Health, Safety and practicality, participants will be divided into two groups for the two tours.**

### **Czajka WWTP Background**

Water and waste water services are provided in Warsaw by Miejskie Przedsiębiorstwo Wodociągów i Kanalizacji w Warszawie (Warsaw Water and Wastewater Company: [www.mpwik.com.pl/](http://www.mpwik.com.pl/)).

Czajka Wastewater Treatment Plant (WWTP) is the main WWTP serving Warsaw, and is the largest and most modern wastewater treatment plant in Poland. The plant is designed for a population of 2.1 million people and a daily inflow of 435,000m<sup>3</sup>.

Sludge is treated by gravity and mechanical thickeners prior to digestion and dewatering. The residual sludge is incinerated and the ashes are transported to landfill.