

Urban sewerage and drainage planning : design and management of projects

Targeted audience

Managers for the water , sewage and drainage management.
Political, technical and administrative decision-makers.

Objectives

This seminar, thanks to French experience, acquired particularly in large cities like Toulouse , will enable the participants:
To learn the integrated approach methods to urban drainage, the diagnosis of existing systems and the preparation of investment and management methods of drainage services,
To draw up technical and financial specifications for projects,
To learn the different techniques for communication and control for work and services that are sub-contracted.
This course will also improve the participants knowledge of the constraints of the private sector as the public sector, and their understanding of how each one operates, something that is vital for success of common projects.

Paris	From Monday June 25th to Friday July 6th 2012	Registration : Tél : +331 4251 6111 Fax : +331 4251 6131	Session n°42012	5 300 €+ TVA Lunch included
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Coordination : Mr. Martin SEIDL, CEREVERE / H2O
Organisation : [Mrs Laurène PULLIAT / Metratech](#)

Monday June 25th	Thursday June 28th	Tuesday July 3rd
<p>General information on the sewerage and water management</p> <p>Institutional framework and operation of the Agencies Price of the water and management of the public services of water and cleansing</p> <p>Mrs. Maria SALVETTI Agence de l'eau Seine Normandi</p>	<p>Alternative techniques of management of rain water</p> <p>Principles, interest Applications/Examples</p> <p>Christian PIEL Composante Urbaine</p>	<p>Collective treatment of waste water (1)</p> <p>"traditional" techniques: - digesters/UASB - activated sludge - bacterial beds/biodisques...</p> <p>M. SEIDL</p>
<p>Tuesday June 26th</p> <p>The European Directives and its contents in term of economic analysis, and economic characterization of the uses of water</p> <p>Mr. Sophie NICOLAI Agence de l'eau Rhine-Meuse</p>	<p>Friday June 29th</p> <p>Alternative techniques of management of rain water</p> <p>Principles, interest Applications/Examples</p> <p>Mr. Thierry MAYTRAUD General Council 93</p>	<p>Wednesday July 4th</p> <p>Collective treatment of waste water (2)</p> <p>Alternative techniques "extensive": - Lagunage - Purification by infiltration - planted filter Beds of reeds - Lagunages with macrophytes/microphytes... Balance sheet technical and of the dies</p> <p>M. SEIDL</p>
<p>Wednesday June 27th</p> <p>Networks of urban sewerage, dimensioning</p> <p>Collective networks for rain water, design and dimensioning</p> <p>Mrs. Mounira KAFI CEREVERE ENPC</p>	<p>Monday July 2nd</p> <p>Techniques of purification</p> <p>Characterization of waste water Basic parameters and measurements Treatment: decantation/flocculation/aerobic/anaerobic</p> <p>M. SEIDL</p>	<p>Thursday July 5th</p> <p>Technical visits</p> <p>M. SEIDL</p>
		<p>Friday July 6th</p> <p>The planning of the sewerage networks To treat to re-use ? Planning: concepts, tools, methods</p> <p>M. SEIDL</p>