

# The EAU&3E research project

## The durability of water services in big metropolises



The unexpected recent decrease of potable water consumption in many cities in developed countries, takes place at the very moment when the European Union urges member States to improve environmental and public health performances, but also to get beneficiaries of the services pay closer to full cost recovery. These combined factors create a new uncertainty and complexity for public services. The EAU& 3 E project, funded by the French Research Agency, brings together 6 teams with good experience on some of the dimensions of water services sustainability, plus the public water company Eau de Paris.

During the 4 years of the project, 4 thematic work packages were undertaken. The 4 themes correspond to the three dimensions of sustainable development (economics, environment, equity) plus the institutional dimension (multi-level governance needs):

- Improve the understanding of the evolution of water consumptions and interaction with tariff systems in the budgets' balance
- Develop systematic analysis of the reallocation effects of tariffs, to support the vulnerable social sectors facing higher water bills;
- Improve the modelization of the long term management of the infrastructure and assets, including eventual partial replacement with alternative technologies;
- Give the account of new institutional set up to achieve a better matching of functional and political territories, and good levels for citizen participation.

In the fourth year, the last part of the project has consisted in pooling the results of the previous phases into prospective scenarios, in order to identify the strategic options the managers have to be aware of to achieve a sustainable management of their water services.

## PROGRAM

### COLLOQUIUM EAU&3E: PRESENTATION OF THE FINAL RESULTS OF THE EAU&3E RESEARCH PROJECT ON THE DURABILITY OF WATER SERVICES IN BIG METROPOLISES

In French and in English, simultaneous translation available.

#### 14h00 IMPROVE THE UNDERSTANDING OF WATER CONSUMPTIONS FOR A MORE RESILIENT SERVICE

**Chairman:** Thomas Chesnutt, A&N Techserv (California)

Results from EAU&3E: Trends and prospective scenarios of the water consumption in fast growing cities case studies in Montpellier and Perpignan urban areas, France.

- J.-D. RINAUDO, BRGM Montpellier and M. MONTGINOUL, Irstea Montpellier

Counterpoint from abroad: Water demand forecast and innovative modelling approaches for the City of Hamburg, Germany.

- O. SCHULZ, Institute for Social-Ecological Research, Frankfurt (Germany)

#### 14h50 RECONCILE SUCCESSFUL ASSET MANAGEMENT AND BALANCED BUDGET FOR THE WATER SERVICE

**Chairwoman:** Helena Alegre, Vice-presidente of the IWA

Results from EAU&3E: Asset financing and management for water service sustainability

- G. CANNEVA, AgroParisTech Montpellier and H. BRET, Eau de Paris

Counterpoint from abroad: Sustainable asset management in England and Wales

- M. KING, Regulation Director, Bristol Water (England)

#### 15h40 SECURE THE SOCIAL SUSTAINABILITY OF THE WATER SERVICES

**Chairman:** Alexandre Brailowsky, Societal Engineering Director for Suez Environnement

Results from EAU&3E: Equity in water services, wrong solutions and new working tools

- M. TSANGA, ENGEES Irstea and B. BARRAQUE, CNRS-AgroParisTech

Counterpoint from abroad: redistributive effects of water pricing and social corrections, the case of Wallonia

- C. PREVEDELLO, AQUAWAL (Belgium)

#### 16h30 Coffee Break

#### 16h50 TERRITORIAL REORGANIZATIONS AND GOVERNANCE OF THE WATER SERVICES

**Chairman:** Erik MOSTERT, TU Delft (The Netherlands)

Results from EAU&3E: Rescaling and reorganising water supply in France: an account of an on-going rationalization process

- R. BARBIER, ENGEES-Irstea

Counterpoint from abroad: The difficult reform of water services in Italy

- A. MANGANO, independent consultant representing Federutility, the Federation of water and energy public utilities (Italy)

#### 17h40 THE « 3ES », HOW TO COMBINE THE 4 DIMENSIONS OF THE WATER SERVICES' SUSTAINABILITY?

**Chairman:** Jacob Tompkins, Director of Waterwise UK, England (waiting for confirmation)

Results from EAU&3E: The « 3Es » applied to Bordeaux urban area

- S. VAUCELLE, University Bordeaux 3

Results from EAU&3E: the scenarios developed by EAU&3E, strategic tools for a sustainable management

- S. TREYER, IDDRI

**Closing of the colloquium:** Bernard BARRAQUE, coordinator of the EAU&3E project, CNRS-AgroParisTech



# Registration form

ASTEE - 51 rue Salvador Allende - 92027 Nanterre Cedex (France)  
Phone: +33 1 41 20 17 61 - Fax: +33 1 49 67 63 03 - E-mail : nantes2013@astee.org

FIRST NAME: \_\_\_\_\_

Last name: \_\_\_\_\_

E-mail: \_\_\_\_\_

Position: \_\_\_\_\_

Organisation: \_\_\_\_\_

Mailing address: \_\_\_\_\_

Post Code: \_\_\_\_\_ City: \_\_\_\_\_ Country: \_\_\_\_\_

Phone number: \_\_\_\_\_ Fax: \_\_\_\_\_

## REGISTRATION FEES (VAT 19,60% included)

EARLY BIRD (if payment received by 31 march 2013)

	TUESDAY 4 JUNE 2013		THURSDAY 6 JUNE 2013
	Early bird fee	Final	Eau&3E conference fee (without lunch)
ASTEE members:	250 €	300 €	100 €
Others:	300 €	360 €	120 €

Student fee: 90 € (without gala dinner - copy of your current student identification card needed)

## PRESENCE DETAILS

**Monday 3 June 2013**

Welcome cocktail

**Tuesday 4 June 2013**

- Morning
- Lunch
- Afternoon
- Gala dinner

**Thursday 6 June 2013**

Eau et 3E conference

## PAYMENT

by credit card (Visa, Eurocard, Mastercard only)

Date: \_\_\_\_\_ 2013

N°: \_\_\_\_\_

Expiration date: \_\_\_\_\_

Signature: \_\_\_\_\_

by order form