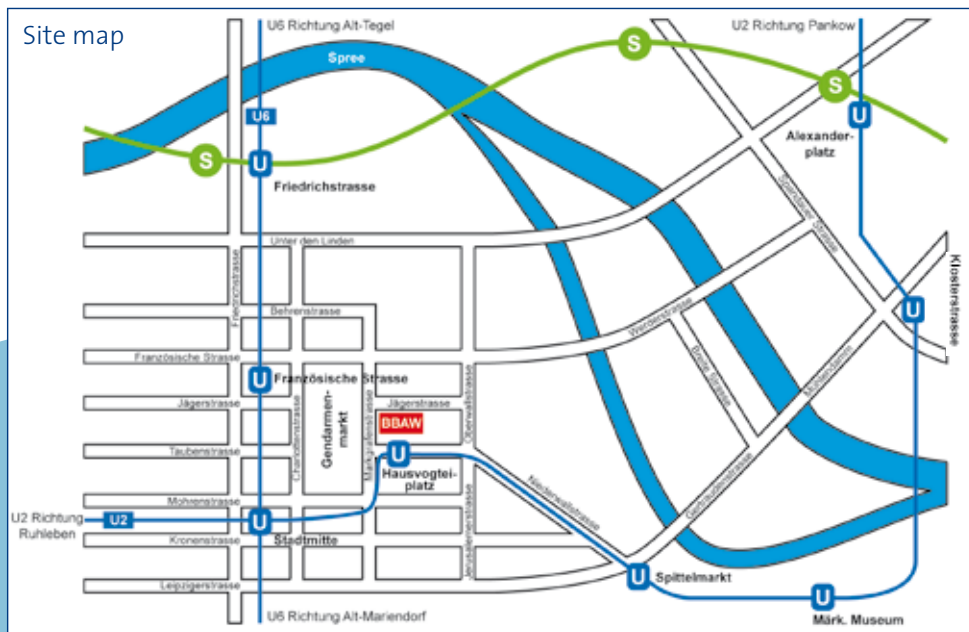




**Berlin-Brandenburg
Academy of Sciences BBAW**
Conference and Event Centre

Jägerstraße 22/23
D-10117 Berlin

Site map



Pictures: Berlin-Brandenburgische Akademie der Wissenschaften

20 Years of Research in the Field of Endocrine Disruptors & Pharmaceutical Compounds

Challenges and Solutions for the Water Sector



10 February 2010, Berlin



Kompetenzzentrum Wasser Berlin gGmbH
Cicerostraße 24, D-10709 Berlin
T +49 30 53653-840, F +49 30 53653-888

EndoPharm2010@kompetenz-wasser.de
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BACKGROUND

Since the 90', Research had suggested that several chemical and natural compounds have the ability to disrupt the endocrine systems. Endocrine disruptor compounds encompass a variety of chemical, including anthropogenic substances such as detergent, pesticides, plasticizers, natural and synthetic hormones, among many other substances. The biological activity of pharmaceuticals compounds is high since they have been designed to act at low concentrations. Thus, found in the environment even at the low concentrations, they may produce deleterious effects to the aquatic organisms. Awareness of the potential hazards posed by endocrine disrupting and pharmaceuticals compounds has led to intensive research programs over the past 20 years. The performance of current water supply systems, urban drainage and wastewater treatment systems is suitable



to solve conventional problems only. This workshop intends to review and discuss with leading international scientists, the status of knowledge regarding the risks, impacts and available or future technical solutions for the water sector.

Venue

Berlin-Brandenburg Academy of Sciences Conference and Event Centre
Jägerstraße 22/23, D-10117 Berlin

Accommodation

Limited number of rooms pre-booked at Maritim pro Arte Hotel near the venue. Direct reservation by contacting info.bpa@maritim.de, CODE "KWB" Further hotels: <http://www.berlin.de/tourismus/unterkunft/hotels/>

Registration

Please use the registration form attached
Deadline: 31.01.2010

Sponsor**Fee**

Free of charge

Language

The symposium language is English with simultaneous translation to German

Scientific and organising committee

Hervé Suty, Veolia Environnement;
Luis Castillo, Veolia Environnement;
Regina Gnirss, Uwe Dünnbier, Berliner Wasserbetriebe;
Martin Jekel, Technische Universität Berlin;
Bodo Weigert, Yann Moreau-Le Golvan, Kompetenzzentrum Wasser Berlin

Organisation

KOMPETENZZENTRUM
WasserBerlin

09:00 WELCOME

Michel Dutang, Veolia Environnement;
Dr. Georg Grunwald, Berliner Wasserbetriebe;
Ludwig Pawlowski, Kompetenzzentrum Wasser Berlin

Presentation: Ingolf Baur,
Physicist and journalist

KEY NOTE

How pure is pure?

Prof. Dr. Wolfgang Kühn, TZW Water Technology Center, Karlsruhe, Germany

SESSION 1

Presence, Monitoring and Impacts of Pharmaceuticals & Endocrine Disruptors in the Aquatic Environment
Chair: Regina Gnirss, Berliner Wasserbetriebe

10:00 Sources, fates and toxicological effects of endocrine disruptors and PhaCs in the aquatic environment
Prof. Claude Casellas, University Montpellier 1, France

10:30 Risk assessment for human health
Prof. Yves Levi, Paris University, France

11:00 COFFEE BREAK

11:30 Fate and behavior of pharmaceuticals and EDCs in municipal wastewater treatment
Prof. Dr. Hansruedi Siegrist, EAWAG, Switzerland

12:00 Endocrine disruptor and pharmaceutical compounds in wastewater treatment plants of Beijing
Prof. Yu Gang, Tsinghua University, China

12:30 Determination and assessment of pharmaceuticals in drinking water over the last 20 years, expectations for the future
Dr. Uwe Dünnbier, Berliner Wasserbetriebe, Germany

13:00 **LUNCH**

SESSION 2

Options for Reducing Emissions and Exposure to EDCs & Pharmaceutical Compounds
Chair: Hervé Suty, Veolia Environnement

14:00 Detection of pharmaceuticals and EDCs in water
Valérie Ingrand, Veolia Environnement, Centre d'Analyses, France

14:30 Removal of pharmaceuticals with advanced processes in wastewater treatment and reuse
Prof. Dr. Martin Jekel, German Water Chemistry Society and Technische Universität Berlin, Germany

15:00 Behaviour of trace organics during drinking water production via subsurface passage
Dr. Gesche Grutzmacher – Kompetenzzentrum Wasser Berlin, Germany

15:30 Comparative efficiency of drinking-water treatment processes in removal of pharmaceuticals and EDCs
Philippe Bréant, Veolia Environnement, France

16:00 COFFEE BREAK

16:30 **Round table**
20 years of research in trace organics: European regulation and future needs in research and development

17:30 Closing address, *Michel Dutang*

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Participation is free of charge.

Deadline for registration: 31.01.2010, because numbers of places are limited.

REGISTRATION:

Fax: +49 30 53653 888

Email: EndoPharm2010@kompetenz-wasser.de

Name, first name and title

Company/Institution

Address

Postal/ZIP code

City/Town

Country

Telephone

Fax

Email

I herewith confirm registration

Date/Signature

Organiser

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