

# EURISKED

Multi-organic Risk Assessment of Selected Endocrine Disruptors

Cluster Workshop on  
Multi-organic risk assessment



Mallorca,

March 31st-April 1st 2004

Funded by the EU



## About the project

EURISKED has been funded for three years under the Fifth Framework of the European Union and started on October 1<sup>st</sup> 2002. Together with 3 other projects dedicated to research on endocrine disrupters ([COMPRENDO](#), [EDEN](#), [FIRE](#)) it is part of a cluster of projects named [CREDO - Cluster for Research on Endocrine Disruption in Europe](#). The overall goal of CREDO is to integrate a critical mass of knowledge into a scientific community to establish a centre for "Endocrine Disrupter Research" in Europe.

Molecular and cell biological experiments as well as research in animals and in the human indicate that ED's with estrogenic actions exist, which are present in either cosmetics (such as UV-absorbers and stabilisers) or pesticides/fungicides.

It is not clear whether these substances interact with other steroid receptors or act in non-reproductive organs like the neuroendocrine brain, the cardiovascular, skeletal or urogenital system during development and in adult life. Hence, risk assessment for organs known to be estrogen-, androgen-, progesterin-, glucocorticoid- or thyroid hormone-receptive following exposure to the above mentioned endocrine disrupters cannot be made yet.

The fundamental objective of this project is to study such effects with basic experimental and clinical tools.



## Workshop objectives

The objective of this international workshop is the integration and dissemination of state of the art multi-organic risk assessment knowledge. Endocrine disruptors do not only act in the reproductive system via estrogen or androgen receptors, but these receptors are also expressed in a variety of other organs, actually in most cells of the organism. Therefore endocrine disruptors acting through estrogen or androgen receptors must be considered to have also extrogenital effects, which should be explored by the EURISKED consortium. In addition some endocrine disruptors were already shown to act through other nuclear receptors such as the thyroid hormone receptor or the aryl-hydrocarbonyl receptor. Therefore, additional nuclear receptors including a number of orphan receptors are subject of intensive research of the EURISKED consortium members. Exchange of the latest results, discussion of cooperative research of partners within the cluster but also with scientists not belonging to the cluster including industrial partners are therefore the ultimate objectives of this workshop.



## Organization

- W. Wuttke, University of Goettingen, Germany
- J. Tresguerres, Complutense University, Madrid
- D. Balmer, University of Goettingen, Germany

## Scientific Committee

- A. Kortenkamp, University of London, UK
- U. Oehlmann, Johann-Wolfgang-Goethe University Frankfurt, Germany
- J. Vos, RIVM, The Netherlands
- W. Wuttke, Georg-August University, Goettingen, Germany

## Abstract submission

Abstracts (200 words) for the poster session should be submitted to Prof. W. Wuttke ([ufkendo@med.uni-goettingen.de](mailto:ufkendo@med.uni-goettingen.de)) by January 31<sup>st</sup> 2004.

## Registration

Registration forms are available at the EURISKED webpage ([www.eurisked.org/events.htm](http://www.eurisked.org/events.htm)) and should be submitted no later than January 31<sup>st</sup>.



## Location

The workshop will be held at  
The Hotel Barceló Albatros  
Paseo de Illetas 15  
07183 Illetas, Mallorca,  
Spain

## Accommodation

For hotel booking please contact the meeting  
hotel directly at

**Tel: ++34 971 40 22 11**

**Fax: ++34 971 40 21 54**

and arrange your reservation quoting “Cluster  
Workshop”



## Expectations from the workshop

- Around 100 participants
- Learning the latest results of other cluster participants
- Stimulation of further cooperations
- Representatives from the Cluster, other EU funded projects, the industry, Delegates from the EU and chemical risk assessment experts from international organizations
- Dissemination of latest knowledge through publication of proceedings in „*Toxicology*“

## "Multi-organic Risk Assessment of Endocrine Disrupters"

Barceló Albatros, Paseo de Illetas 15, 07183 Illetas, Mallorca,  
March 31<sup>st</sup>-April 1<sup>st</sup>, 2004

### Wednesday, March 31<sup>st</sup>

- 8<sup>30</sup>- 9<sup>00</sup> Poster setup  
9<sup>00</sup>- 9<sup>15</sup> Welcome Address

#### **Session I: Integrated Risk Assessment and the EU policy context (Chair A. Kortenkamp)**

- 9<sup>15</sup>-9<sup>45</sup> **J. Bridges** (FIRE, Surrey, UK) "*Integrated Risk Assessment*" (confirmed)  
9<sup>45</sup>-10<sup>15</sup> **L. Bontoux** (EU DG JRC) "*Promoting Integrated Risk Assessment Through EU Policies and Actions*" (confirmed)  
10<sup>15</sup>-10<sup>45</sup> **S. Page** (WHO, Geneva, CH) "*WHO Perspectives on Endocrine Disruptors*" (confirmed)  
10<sup>45</sup>-11<sup>15</sup> Coffee break  
11<sup>15</sup>-11<sup>45</sup> **I. Pongratz** (KI, S) "*NoE on chemicals in food CASCADE*" (confirmed)  
11<sup>45</sup>-12<sup>15</sup> **H.P. Gelbke** (BASF AG, D) "*OECD test strategies and methods*" (confirmed)  
12<sup>15</sup>-12<sup>45</sup> **M. Jacobs** (University of Surrey, London, UK) "*In silico tools for risk assessment of endocrine disrupting chemicals*" (confirmed)  
13<sup>00</sup>-15<sup>00</sup> Lunch  
15<sup>00</sup>-16<sup>00</sup> **Poster Session I**

#### **Session II: From humans to wildlife - are there common modes of action for endocrine active chemicals (Chair J. Vos)**

- 16<sup>00</sup>-16<sup>30</sup> **S. Jobling**, **L. Norrgren**, **H. Segner**, **C Tyler**, (EDEN, COMPRENDO) "*EDC effects beyond receptor binding: to what extent is interspecies extrapolation possible?*" (confirmed)  
16<sup>30</sup>-17<sup>00</sup> **U. Hass** (EDEN, Copenhagen, DK) "*The role of in vitro and in vivo assays in prioritizing testing strategies - are we using the right screening tools?*" (confirmed)  
17<sup>00</sup>-17<sup>30</sup> **A. Alléra** (COMPRENDO, Bonn, D) "*Impact of AACs on human sex steroid metabolism: From in vitro findings to in vivo effects?*" (confirmed)  
19<sup>30</sup> Workshop dinner

### Thursday, April 1<sup>st</sup>

#### **8<sup>30</sup>-9<sup>30</sup> Poster Session II**

#### **Session III: From humans to wildlife - are there common modes of action for endocrine active chemicals? (Chair J. Oehlmann)**

- 9<sup>30</sup>-10<sup>00</sup> **P.W. Wester** (FIRE, Bilthoven, NL) "*Comparative pathology in mammals and fish: some examples with endocrine disruptors*" (confirmed)  
10<sup>00</sup>-10<sup>30</sup> **T. Hamers**, (FIRE, Amsterdam, NL) "*In vitro prescreening of brominated flame retardants for endocrine disruption*" (confirmed)  
10<sup>30</sup>-11<sup>00</sup> Coffee break  
(Chair W.Wuttke)  
11<sup>00</sup>-11<sup>45</sup> **J. Couse** (NIEH, Research Triangle Park, US) "*Mammalian developmental effects - mediation via steroid receptors?*" (confirmed)  
11<sup>45</sup>-12<sup>15</sup> **J. Fisher** (EDEN, London, UK) "*Rodent male reproductive tract development: Are all EDC effects mediated via steroid hormone receptors?*" (confirmed)  
12<sup>15</sup>-13<sup>00</sup> **S. Safe** (Texas A&M, US) "*Endocrine Disruptors - is there a problem?*" (confirmed)  
13<sup>00</sup>-15<sup>00</sup> Lunch

#### **Session IV: Are there multi-organic effects of endocrine disrupters?**

- 15<sup>00</sup>-15<sup>30</sup> **H. Jarry**, (EURISKED, Goettingen, D) "*Benzophenone-2 and Genistein have multi-organic effects*" (confirmed)  
15<sup>30</sup>-16<sup>00</sup> **M. Schlumpf**, (EURISKED, Zurich, CH) "*Cosmetic UV Filters: Fading Innocence*" (confirmed)  
16<sup>00</sup>-16<sup>30</sup> Coffee break  
16<sup>30</sup>-17<sup>00</sup> **C. Schmutzler** (EURISKED, Berlin, D) "*Risk assessment on the thyroid hormone axis*" (confirmed)  
17<sup>00</sup>-17<sup>30</sup> **B. Brouwer** (ACE, FIRE, Amsterdam, NL), "*Possible long-term effects of in utero exposure to organohalogen-type EDC's*" (confirmed)  
17<sup>30</sup>-18<sup>00</sup> **A. Palou** (Mallorca, E) "*Perspectives on Food Safety and Efficacy assessment in the European Union*" (confirmed)

#### **Session V: Panel discussion (all speakers, industry and CREDO cluster)**

18<sup>00</sup>- 19<sup>00</sup>



2<sup>nd</sup> CREDO Cluster Meeting/Workshop on  
"Multi-organic Risk Assessment of Endocrine Disrupters"  
March 31<sup>st</sup>-April 1<sup>st</sup> 2004, Illetas, Mallorca

at Barceló Albatros, Paseo de Illetas 15, 07183 Illetas, Mallorca

## Participation Form

Any attempt will be made to keep costs low, therefore we are confident that no registration fee is necessary for participants involved in EU funded Endocrine Disrupter projects.

### Personal Information

Title	
Surname	
Forename	
e-mail address	
Affiliation	
Connected to EU project (if any):	

Please send completed forms via one of these routes:

Fax: +49 551 396518  
E-mail : [dmbalmer@med.uni-goettingen.de](mailto:dmbalmer@med.uni-goettingen.de)

**Hotel reservations need to be made directly at the hotel**

(mention the CLUSTER WORKSHOP, cost per room ~50 € per person, including half-board)

### Hotel info:

Hotel Barcelo Albatros  
Paseo de Ilteas 15  
07183 Illetas (Calvia)  
Mallorca, E  
Tel: ++34 971 40 22 11  
Fax: ++34 971 40 21 54  
Email: albatros@barcelo.com