

International Conference  
**PHARMACEUTICAL PRODUCTS IN THE ENVIRONMENT: TREND TOWARD LOWERING**

February 19-20, 2008, Nîmes, France

**REGISTRATION FORM**

To be returned to Dr I. Bazin before December 31st, 2007  
(Fax: + 33 4 66 78 27 01, E-mail: [ingrid.bazin@ema.fr](mailto:ingrid.bazin@ema.fr))

Name / First Name: .....

Title : .....

Company / Institution: .....

Address: .....

.....

City: ..... Postal code: .....

Country: .....

Tel: ..... Fax:.....

E-mail: .....

I confirm that I will arrange advance payment of 400 Euros (PhD. Students and KNAPPE partners 120€) to Armines-EMA by bank transfer.

Bank: BNP 7, rue Soufflot - 75005 PARIS (France)

Bank account: 30004 00274 00010795440

IBAN - FR76 3000 4002 7400 0107 9544 058

Code BIC / SWIFT : BNPAFRPPXV

Date: ... / .../ .....

Signature: .....

**KNAPPE**

Knowledge and Need Assessment of Pharmaceutical Products in Environmental waters



Organised by



**efpia**

European Federation of Pharmaceutical Industries and Associations

**SCI**  
where science meets business

*International Conference*

**PHARMACEUTICAL PRODUCTS  
IN THE ENVIRONNEMENT :  
TRENDS TOWARD LOWERING  
OCCURRENCE AND IMPACT**

February 19-20, 2008, Nîmes, France

**1<sup>st</sup> Announcement and Call for Papers**



Funded by DG Research  
Contract n°036864

## ORGANIZATION AND INFORMATION

### Scientific Committee

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Benoit Roig, EMA, Nîmes, France (Chair)  
Evelyne Touraud, EMA, Alès, France  
Richard Greenwood, UoP, United Kingdom  
Thomas Ternes, BfG, Koblenz, Germany  
Dirk Loeffler, BfG, Koblenz, Germany  
Sebastian Zabczynski, UoS, Poland  
Alistair Boxall, UoY, United Kingdom  
Marianne Poulmaire, EFPIA, Belgium

### Conference Secretariat

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Dr. Ingrid Bazin  
Biodiagnostic Department, Centre LGEI, Ecole des Mines d'Alès  
6, avenue de Clavières, 30319 Alès cedex, France  
E-mail: [ingrid.bazin@ema.fr](mailto:ingrid.bazin@ema.fr)

### Call for Papers

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Abstracts for oral (2 pages max) and poster presentations (1 page) should be submitted to the Secretariat before December 20<sup>th</sup> 2007. Abstracts of all contributing lectures will be collected in the proceedings which will be issued to all participants upon registration.

### About the Knappe project

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Knappe (Knowledge and Need Assessment of Pharmaceutical Products in Environmental Waters) – Contract Number 036864, is a FP6 Specific Support Action funded by the specific programme : Global Change and Sustainable Development“ Sub-priority “Global Change and Ecosystems”. Duration: 18 months, started in February 2007.

Knappe aims to identify the relevant priority actions to be taken in order to reduce presence, impacts and risk of Pharmaceutical Products in environmental waters. Regulatory approaches and prevention action will be also implemented ([www.knappe-eu.org](http://www.knappe-eu.org)).

## GENERAL INFORMATION

### About Nîmes

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**Roman and Hispanic and with contributions from the Camargue and the Cévennes, the Languedoc and Provence, Nîmes is a city of all accents!**

Two thousand years of history, architecture, art and passions. Just push a door ajar to meet the seventeenth century and wander around the streets to feel the Roman atmosphere. Here, contemporary art always goes hand in hand with history. Nîmes would like to share these two thousand years and share the twenty-first century. This is why it has joined the national network Villes et Pays d'art et d'histoire.

Nîmes the Mediterranean cultivates the art of living well above all. When there is the least ray of sunshine—300 days a year—terraces and conversations grow lively and the city is jubilant. And from the market to the arena, from the Jardins de la Fontaine to the discreet courtyards of private mansions, friendliness is the rule, whatever the weather

### Accommodation (some hotels in Nîmes)

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**Novotel Atria** (☆☆☆) - Rooms from 91 € to 176 € - Breakfast : 12.50 €  
[www.novotel.com/novotel/fichehotel/fr/nov/0985/fiche\\_hotel.shtml](http://www.novotel.com/novotel/fichehotel/fr/nov/0985/fiche_hotel.shtml)

**Royal Hôtel** (☆☆☆) - Rooms from 50 € to 100 € - Breakfast : 8 €.  
Phone : + 33 4.66.58.28.27 Fax : + 33 4.66.58.28.28

**Cat Hôtel** (☆☆) - Rooms from 26 € to 58 € - Breakfast : 5 €.  
Phone : + 33 4.66.67.22.85 Fax : + 33 4.66.21.57.51

**Empire Hôtel** (☆☆) - Rooms from 45 € to 89 € - Breakfast : 7 €.  
[www.hotel-empire.com](http://www.hotel-empire.com)

**Hôtel Côté Patio** (☆☆) - Rooms from 45 € to 85 € - Breakfast : 6.50 €.  
[www.hotel-cote-patio.com](http://www.hotel-cote-patio.com)

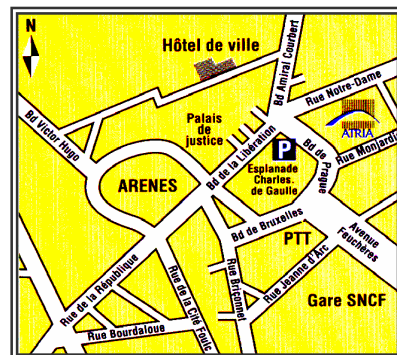
**Hôtel Kyriad Nîmes Centre** (☆☆) - Rooms from 60 € to 77 € - Breakfast : 7.50 €.  
[www.hotel-kyriad-nimes.com](http://www.hotel-kyriad-nimes.com)

**Hôtel Les Tuileries** (☆☆) - Rooms from 50 € to 120 € - Breakfast : 7 €.  
[www.promenades-gourmandes.com/tuileries.htm](http://www.promenades-gourmandes.com/tuileries.htm)

## GENERAL INFORMATION

### Conference location

**ATRIA Novotel Nîmes Centre**  
**5, boulevard de Prague – 30000 Nîmes - FRANCE**



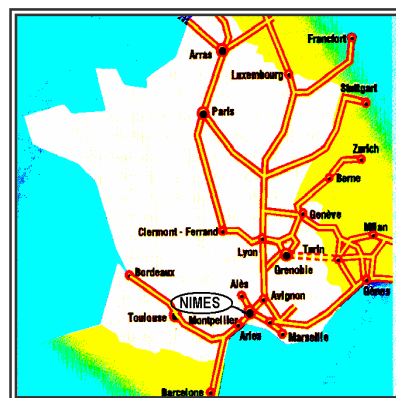
### How to get to Nîmes

#### **By plane**

**Nîmes airport**  
**Montpellier Airport at 40 mn by car**  
**Marseille Airport at 1h10 by car**

#### **By train**

**Paris - Nîmes : 2h55**  
**Nîmes station at 5 min walk**  
**from Conference Centre**



## GENERAL INFORMATION

### Objectives and topics

#### Objectives

- To identify the new developments and future trends allowing limiting the amount of PPs in environmental waters.
- To promote an integrated approach by gathering and discussing within all the actors of the life cycle of the pharmaceutical product (from its manufacture till its release in the environment).

#### Specific topics

- Pharmaceutical industrial new processes
- Monitoring and analysis: molecules and by products
- Treatment processes
- Social, patient and individual actions
- Regulatory procedures

### Registration fees

**120€** - Full members of KNAPE

**120€** - PhD Students

**400€** - Other participants (500€ if registration after 3<sup>d</sup> December 2007)

Fees will cover attendance to the conference, the abstract book, 4 coffee breaks and 2 lunches

Payment in Euro (€), should be made in advance by bank transfer.

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## PRELIMINARY PROGRAMME

### Topic 1. Pharmaceuticals degradation by-products

- Fate of metabolites in STPs (biodegradability, sorption of pharmaceuticals ...)
- Effects of degradation products at levels detected in the environment

### Topic 2. Environmental stewardship for pharmaceuticals: a practical approach

- Product labelling for use and disposal of pharmaceuticals
- Management of drugs residues, collection of unused pharmaceuticals to reduce environmental intake
- Pharmaceutical waste generated in health care facilities: the hospital perspective?
- Medical and social practices: how to reduce the number of unnecessary prescriptions to increase patient compliance in taking medications?

### Invited speakers

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**Pr. Klaus Kümmerer** - University Medical Center of Freiburg (Germany)

**Pr. Åke Wennmalm** - Stockholm County Council – (Sweden)

**Dr. Ettore Zuccato** - Mario Negri Institute for Pharmacological Research in Milan (Italy)

**Dr. Ilene Ruhoy** - US Environmental Protection Agency, Las Vegas (USA)

**Dr. Florian Keil** - Institute for Social-Ecological Research, Frankfurt (Germany)

## PRELIMINARY PROGRAMME

### Topic 3. Regulatory perspectives

- What are the significant data gaps for PPs that limit their regulation ?
- Develop a priority list of PPs that occur and most likely are to have human health or ecological effects?
- Water offices: how to set maximum levels for PPs in water delivered to users of public water systems?
- Develop effluents guidelines, drinking water regulations?

### Topic 4. Trends in industrial practices and environmental management

- Industrial new processes: green chemistry to explore ways to make products more environmentally harmless
- New analytical methods: demonstrate biological effects before regulation occurs, available technologies to focus on sensitive new biological endpoints ...