

***A New European Project for the Integration of  
European Simulation Chambers for  
Investigating Atmospheric Processes***



***- EUROCHAMP -***

***An Integrated Infrastructure Initiative***

# EUROCHAMP

- *EUROCHAMP is a so-called **Integrated Infrastructure Initiative (I3)***
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- *It is **not** a research project (STREP)*
- *It is **not** a network of excellence (NoE)*
- *It is **not** an integrated project (IP)*

- *Main goal is the **generation** of a European co-operation and integration of **existing** European environmental chambers.*

# **EUROCHAMP**

## ***General activities within an I3 project:***

- *Networking Activities (NA)*
- *Transnational Access Activities (TNA)*
- *Joint Research Activities (JRA)*
- *Comparable to NoE's, however, for I3 projects no headcount!!*

# EUROCHAMP

## Partners (contractors)

involved in EUROCHAMP:

BUW

EC-JRC

FZJ

CEAM

UBAY

UCC

CNRS-LCSR

PSI

FZK

LEEDS

SP



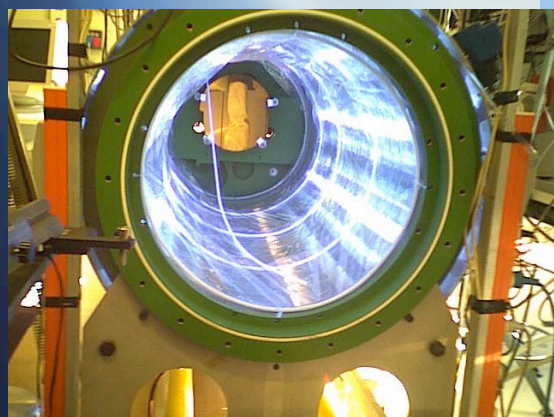
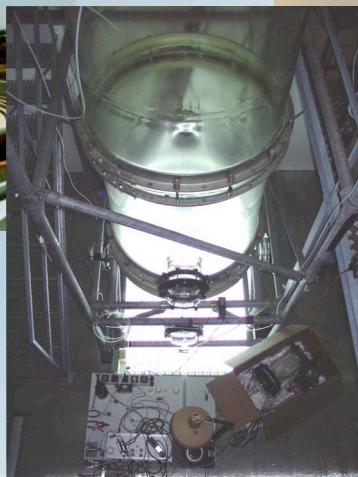
# EUROCHAMP

## Users (associates)

involved in EUROCHAMP:

- |    |       |    |       |
|----|-------|----|-------|
| 1  | TUW   | 12 | USZ   |
| 2  | UHEI  | 13 | DOM   |
| 3  | FORD  | 14 | ISQ   |
| 4  | OSLO  | 15 | UCD   |
| 5  | UHEL  | 16 | ABK   |
| 6  | IFT   | 17 | UBIRM |
| 7  | NIC   | 18 | UMIST |
| 8  | IASI  | 19 | IMW   |
| 9  | WUT   | 20 | IIA   |
| 10 | UPAR  | 21 | LVP   |
| 11 | UWIEN | 22 | CERT  |
|    |       | 23 | DRI   |



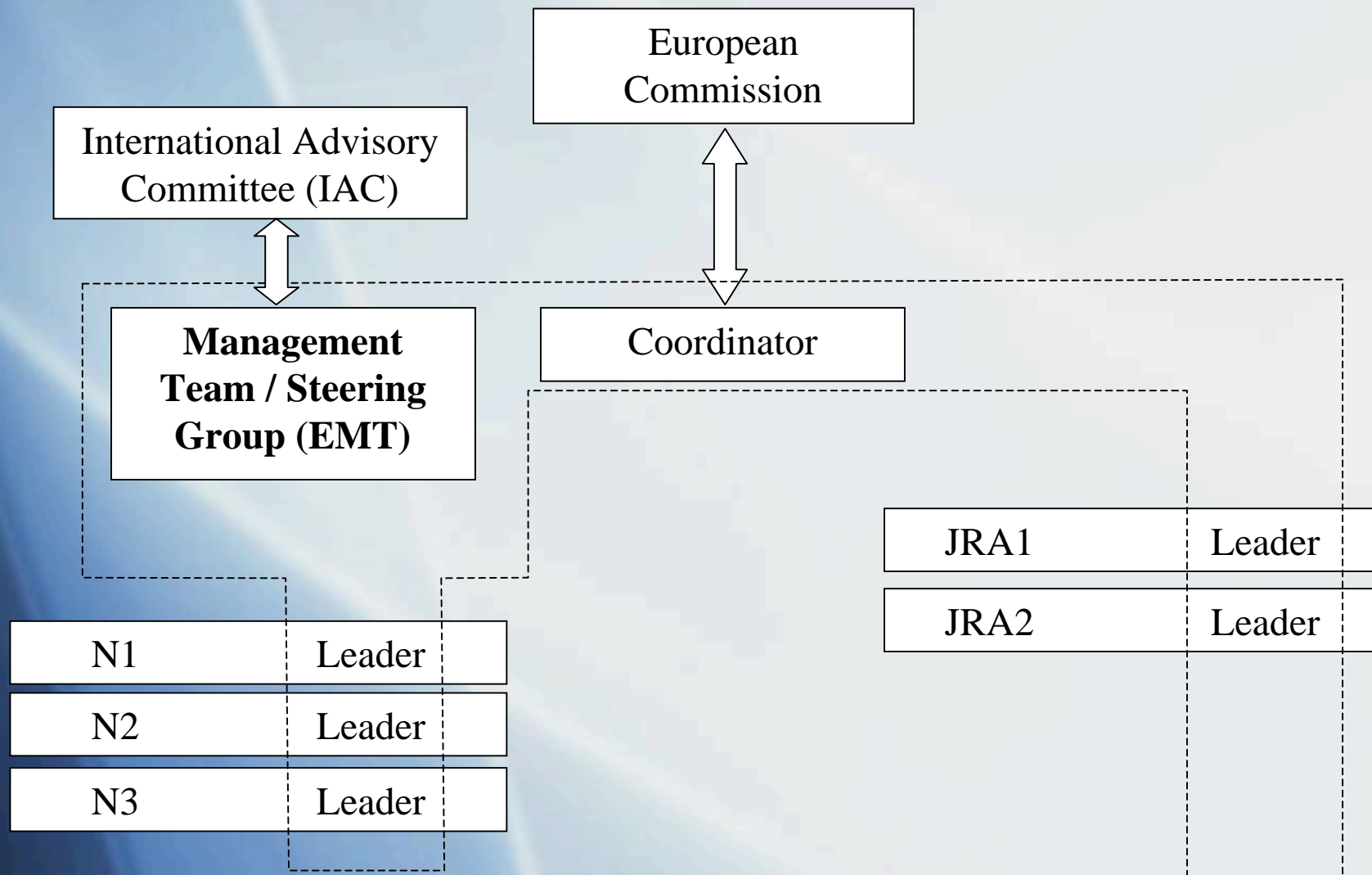


**EUROCHAMP** a new European project (June 01, 2004 - May 31, 2009)

<http://physchem.uni-wuppertal.de/EUROCHAMP/index.html>

# General Structure

# EUROCHAMP



## **General objectives of EUROCHAMP:**

- **Integration** of existing environmental reaction chambers into a Europe-wide infrastructure
- Initiation of an effective **interdisciplinary collaboration** between the community of atmospheric scientist and colleagues from other disciplines (cultural heritage protection and human health)

## ***Structure of the EUROCHAMP proposal:***

- *Six networking activities (NA 1-6)*
- *No transnational access activities (budget reserve for potential users is foreseen in the networking activities)*
- *Four joint research activities (JRA1-4) focussing on:*
  - *development and refinement of analytical equipment*
  - *chemical modelling applications*
  - *interaction between atmosphere and cultural heritage*
  - *interaction between atmosphere and human health*

## ***Proposal submission and evaluation:***

- *Proposal was submitted in April 2003*
- *Evaluation report available beginning of August 2003 (proposal received an **excellent mark** from the external reviewers and was selected for funding)*
- *Reviewers suggested to reduce the project to four NA's and two JRA*
- *Budget reduction of 20%*
- *Technical annex (work programme) submitted to the Commission beginning of September*

## ***Proposal submission and evaluation (contd.):***

- *Comments on the technical annex from the Commission mid September 2003*
- *Up-dated/modified technical annex submitted end of October 2003*
- *Discussion meeting of the technical annex at Brussels, November 26, 2003*
- *Start of the project: June 1, 2004*
- *Project duration: 60 months (long-term integration aspect!!)*
- *EC contribution: 3.9 M€*

## ***EUROCHAMP activities:***

- *Three networking activities*

*general management of EUROCHAMP and EUROCHAMP Management Team (EMT) and International Advisory Committee (IAC)*

*NA1: Raw data analysis, data intercomparison and quality assurance*

*NA2: standardised data protocol and central database of environmental chamber studies*

*NA3: project meetings and infrastructure-related workshops*

*Three networking activities*

*NA1:*

*Generation and application of standardised rules as a method of quality assurance for raw data analyses of the experiments in each facility. For this purpose a number of inter-comparison studies applying analytical devices in reference experiments will be carried in the different chambers*

*NA1 being co-ordinated by FZJ*

## *Three networking activities*

*NA2: Generation and application of a standardised data protocol and the establishment of a central database of environmental chamber studies. Collection of environmental chamber experimental and modelling results, mounted on the WWW, available for the European researchers' community, will provide a powerful information tool in which all results yielded from the infrastructures' work is documented and available for everyone interested*

*NA2 being co-ordinated by CEAM*

*Three networking activities*

*NA3: Larger workshops / conferences with clearly defined topics, open for interested scientists of the different disciplines with links to tropospheric chemistry / chamber infrastructure, will significantly increase the necessary interdisciplinary communication between the different scientific communities*

*NA3 being co-ordinated by FZK*

## **EUROCHAMP activities (contd.):**

- *Two joint research activities*
  - *development and refinement of analytical equipment*  
(characterisation of oxygenated VOC's, radical measurements, nitric acid measurements, characterisation of aerosols)  
*JRA1 will be co-ordinated by PSI*
  - *development of chemical modelling techniques*  
(techniques for the evaluation and development of oxidant mechanisms and models, techniques for the evaluation and development of aerosol models, development and deployment of statistical tests and sensitivity analysis methods)  
*JRA2 will be co-ordinated by LEEDS*

## Outlook

# INTERNATIONAL WORKSHOP ON MEASUREMENT TECHNIQUES FOR ATMOSPHERIC NANOPARTICLES

January 17-19, 2005

Paul Scherrer Institute, Villigen, Switzerland



The objectives of the workshop are to summarise and discuss existing methods and problems associated with the measurement of nanoparticles and to provide a forum for current and future developments to discuss relevant issues, exchange research experiences and formulate needs. A limited number of participants is envisioned, with proven experience and strong interest in the field of nanoparticle measurements. This present workshop will be the first of a series of short workshops on measurement techniques of interest to all type of infrastructures.

More details will be available shortly.



<http://physchem.uni-wuppertal.de/EUROCHAMP/index.html>

<http://www.accent-network.org/>

