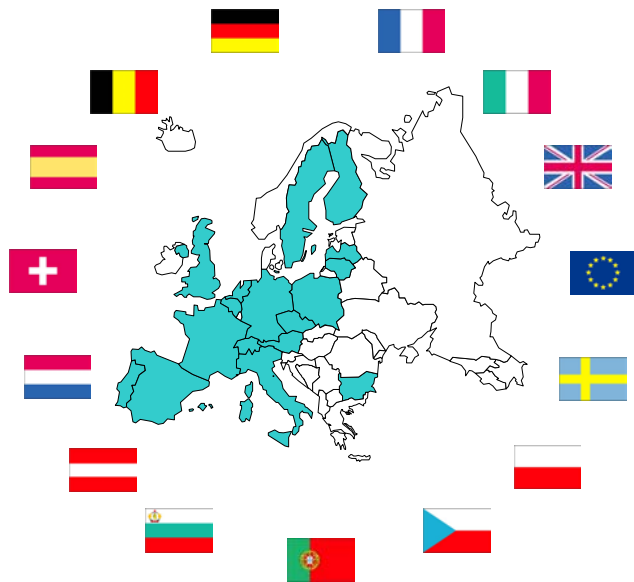


# 3<sup>rd</sup> Meeting on DM2 ECATS Feasibility Study of EUROTRANS: Integrated Project on European Transmutation



**CEA, Saclay France**  
**June 23, 2005**

# 3<sup>rd</sup> Meeting on DM2 ECATS: Feasibility Study

## Agenda

Start of Meeting: 10:00

1. Approval of the Agenda
2. Status of DM2 ECATS, J. U. Knebel (15 min.)
3. Technical work programme proposal
  - 3.1 Presentation (60 min – D. Struwe, FZKA))
  - 3.2 Discussion (60 min – all)
4. Resources and budget allocation
  - 4.1 First preliminary proposal (20 min – D. Struwe, FZKA)
  - 4.2 Discussion (40 min - all)
5. Experimental programme of an electron beam irradiation of a windowless target
  - 5.1 Presentation of the proposal (15 min - H. A. Abderrahim, SCK/CEN)
  - 5.2 Discussion (20 min – all)
6. Definition of Actions and Next steps (30 min)
7. Agreement on next ECATS meeting
8. Any other business

End of Meeting: 17:00

Coffee Breaks (~ 20 min each): 11.00 and 15.00

Lunch: ~ 13:00 – 14:30

# Minutes/Tasks decided during 2nd ECATS Meeting Brussels, April 20-21, 2005

- Until May 20, the following experts are preparing **first outline documents** which give a detailed description of the experimental equipment/project existing/planned, the experimental programme, milestones, together with a budget and time planning, licensing issues, and possible critical events.

RACE - Denis Beller, ➔ **done.**

SAD - Valery Shvetsov, ➔ **respective information available.**

YALINA - Anna Kiyavitskaya. ➔ **still to be provided.**

# Minutes/Tasks decided during 2nd ECATS Meeting Brussels, April 20-21, 2005

- Until May 20, the following experts shall prepare a **draft scientific/technical working programme** for DM2 ECATS of EUROTRANS, which is based on the three experiments / projects RACE / SAD / YALINA, and which satisfies the requirements given by Dankward Struwe during the Meeting (see attachment). The additional work performed within ECATS has to be clarified.

RACE - Gilbert Granget CEA, SAD - Valery Shvetsov, YALINA - Hamid Ait Abderrahim SCK-CEN. → **done**.

# Minutes/Tasks decided during 2nd ECATS Meeting Brussels, April 20-21, 2005

- Within 4 weeks after May 20, Dankward Struwe will compile the received documents to a **draft version of the description of DM2 ECATS** which can be used for ➔ **done based on provided data.**

a) the feasibility study described in Annex I of EUROTRANS (Deliverable D2.1), and

b) the detailed scientific/technical working programme of ECATS (to be included in Annex I later on).

This working programme shall also include a WP on the transferability of the results of RACE / SAD / YALINA to XT-ADS and EFIT.


Dankward will make a proposal on how to share the different tasks among the EUROTRANS partners and on how much budget should be allocated for each of the tasks. ➔ **proposal available.**

# Status of EUROTRANS

- **Title: EUROpean Research Programme for the TRANSmutation of High Level Nuclear Waste in an Accelerator Driven System**
- **29 Partners from 17 countries, ENEN represents 14 universities, 23.0M€ EC contribution, 42.9M€ total budget, 4 year duration**
- **Start of project: April 1, 2005**
- **Contract signed by IP Co-ordinator and European Commission.**
- **Accession Form A signed by all Partners but ENEA  
=> urgently needed (actions taken by IP Co-ordinator, ENEA  
response still pending)**
- **Consortium Agreement finalised and sent out for signature.**

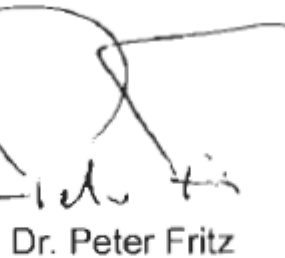
# Collaboration: EURATOM and US DOE

- Memorandum of Understanding (MoU) for Scientific Co-operation between Technical Co-ordinators of Research Projects Sponsored by DOE and EURATOM' signed June 3, 2005 in Pocatello ID.



Dr. Kemal Pasamehmetoglu

U.S. Technical Co-ordinator  
in Pocatello Idaho  
on June 3, 2005



Dr. Peter Fritz

Member of the  
Executive Board  
of FZK



Dr. Joachim U. Knebel

FP6 EUROTRANS Co-ordinator  
in Pocatello Idaho  
on June 3, 2005

[Link MoU](#)

# Collaboration: EURATOM and US DOE

- Statement of Idaho State University (ISU) & Idaho Accelerator Centre (IAC), University of Texas (UT) at Austin & Texas A&M University, and U.S. DOE dated June 3, 2005 in Pocatello ID.

F. Harmon  
ISU / IA  
S. O'Kelly  
UT / TAMU  
Agreed upon June 3, 2005



F. Goldner  
U.S. DOE, AFCI  


M. Cappiello  
AFCI, NTD Transmutation  
Kop for  
Mike Cappiello  


[Link Statement](#)

# ECATS: Technical Working Programme Proposal

**PPT-Presentation: V\_Struwe\_ECATS\_WorkProgramme\_050723ds.ppt**

➤ [Link PPT](#)

**Working Document for 3rd ECATS Meeting:**

**Word Document: Struwe\_DOMAIN 2\_ECATS\_CON\_050623ds.doc**

➤ [Link WordDoc](#)

**Updated Document prepared by D. Struwe after the Meeting:**

**Word Document: Struwe\_DOMAIN 2\_ECATS\_CON\_mod1\_050629ds.doc**

➤ (see attachment to mail dated June 30, 2005)

# Next Steps (1/2)

## General Aspects:

- **Overall Approval of the modified Work Package structure (small corrections/modifications on the level of Tasks/Subtasks should not be prevented), see Struwe\_DOMAIN 2\_ECATS\_CON\_mod1\_050629ds.doc**
- **Overall Approval of the proposal for budget allocation to WPs**
- **Stay with the present situation: (interim) Domain Co-ordinator (JUK), being technically assisted by D. Struwe**
- **Nomination and approval of Work Package Responsibles.**
  - **WP2.1: SCK-CEN (specific persons nominated by institutions asap)**
  - **WP2.2: CEA**
  - **WP2.3: KTH**
  - **WP2.4: FZK**
- **Presentation of the intended general outline of the ECATS program to the EC and appropriate consideration of the achieved feedback (by JUK asap, positive feedback by V.B. during meeting)**

## Next Steps (2/2)

### Specific Tasks:

- **WP Responsibles: Updating of the Task/Subtask description where necessary, preferentially when SAD project related Tasks are concerned, and review by the ECATS Feasibility Team (on September 6, 2005)**
- **WP Responsibles: Ask for contributions by interested partners of EUROTRANS**
- **Formalisation of the contacts to the partners outside the EC and evaluation of contractual matters potentially of concern (to be done by the IP Coordinator)**
- **Overall harmonisation of the final programme including allocation of resources and man power effort within ECATS Feasibility Team (not later than September 2005).**

# Meetings / Next Meeting

## Other Meetings:

- **3<sup>rd</sup> Annual Idaho Workshop on Accelerator-Driven Subcritical Systems (ADSS) Experiments, Pocatello Idaho, June 1 & 2, 2005**  
(See ISU-Webpage for presentations:  
<http://iac.isu.edu/docs/workshops/beller/ADSS2005/> )
- **ANS Winter Annual Meeting: Joint presentation of RACE and ECATS (abstract handed in)**

## Next ECATS Meetings:

- **4<sup>th</sup> ECATS Meeting - Date: September 6, 2005**
- **Location: SCK-CEN Brussels**
  
- **Large Meeting on ECATS - Date: September 26, 2005**
- **Location: FZK**