



# **EUDET**

## **Report on Management & Transnational Access**

**Joachim Mnich**

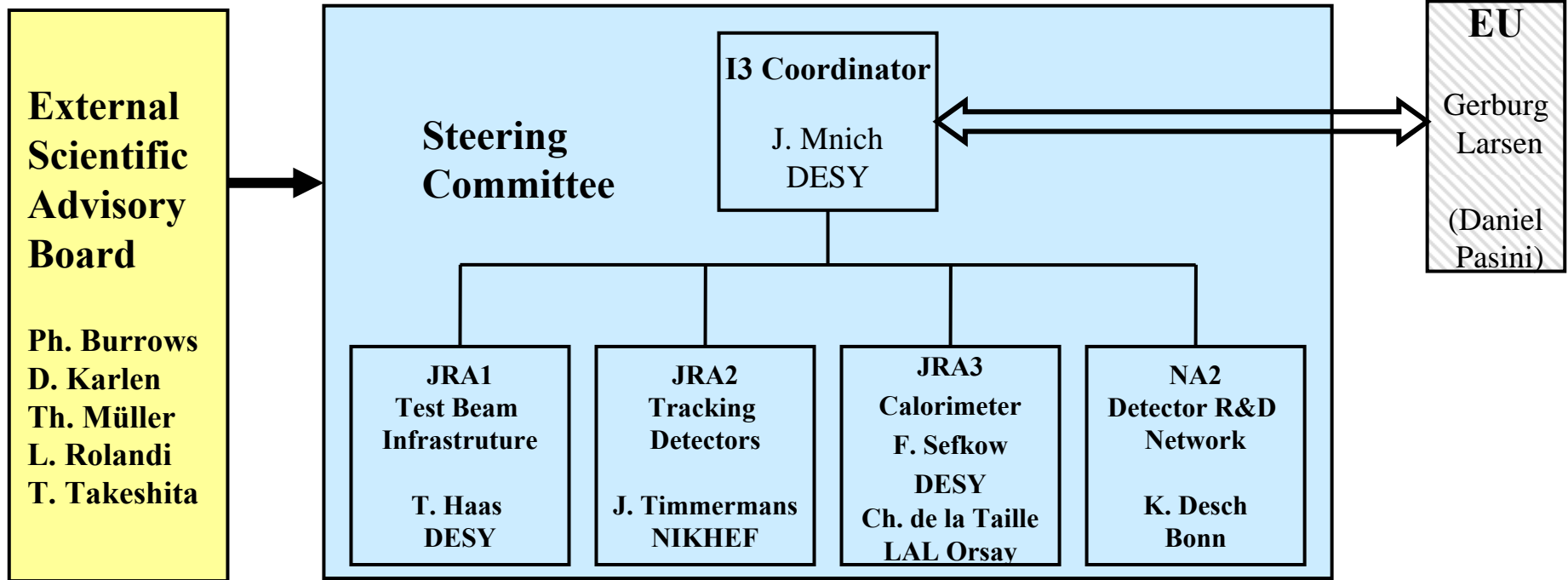
**Extended Steering Committee Meeting**

**August 27, 2007**

### **Outline:**

- **Management Summary 2007**
- **Annual Report 2006**
- **Preparation Annual Report 2007**
- **Transnational Access**
- **2007 Milestones and Deliverables**

# EUDET Management



European members form  
Selection Board for TA

- As of January 1st, 2007 **Natalia Potylitsina-Kube** is working as Scientific Assistant
- Acknowledgements to the DESY EU office:  
**Nina Dahlke, Ute Krell & Karolin Darame**

# Steering Committee



- **Bi-weekly telephone meetings**
    - **including short minutes**  
**accessible on (protected) EUDET web page**
  - **Preparation Kick-off and Annual Meeting**
  - **Approval of reports**
  
  - **Agenda of EUDET meetings**
    - **INDICO category created at <http://ilcagenda.cern.ch/>**
      - **Detector Design & Physics Studies**
      - **Detector R&D collaborations**
- or go directly to <http://ilcagenda.cern.ch/categoryDisplay.py?categId=85>
- **Should be used for all EUDET related meetings**
    - **e.g. the Annual Meeting**
    - **or JRA meetings**
- to have all agendas, talks, documents etc. at one place**



# Steering Committee

- **New in 2007:**
  - **Status reports on milestones and deliverable**
  - **1-2 months before delivery date**
  - **to discuss status and documentation for Brussels**
  - **two examples today**
  
- **Remember:**
  - **2007 & 2008 are crucial for the success of EUDET!**
  - **see also discussion on milestones & deliverables below**

# New Associates



## ■ New associates accepted in 2007:

Institute of High Energy Physics, Vienna, Austria	HEPHY	Leading Austrian institute for high energy physics	Participation in NA2,JRA2
Università di Roma La Sapienza, Italy	UROM	Leading Italian institute for high energy physics	Participation in NA2,JRA3
Laboratori Nazionali di Frascati, Italy	LFRAS	Leading Italian institute for high energy physics	Participation in NA2,JRA1
Universität Siegen, Germany	USIEG	German University	Participation in NA2,JRA2

## ■ Now in total

- 23 partner
- 26 associates

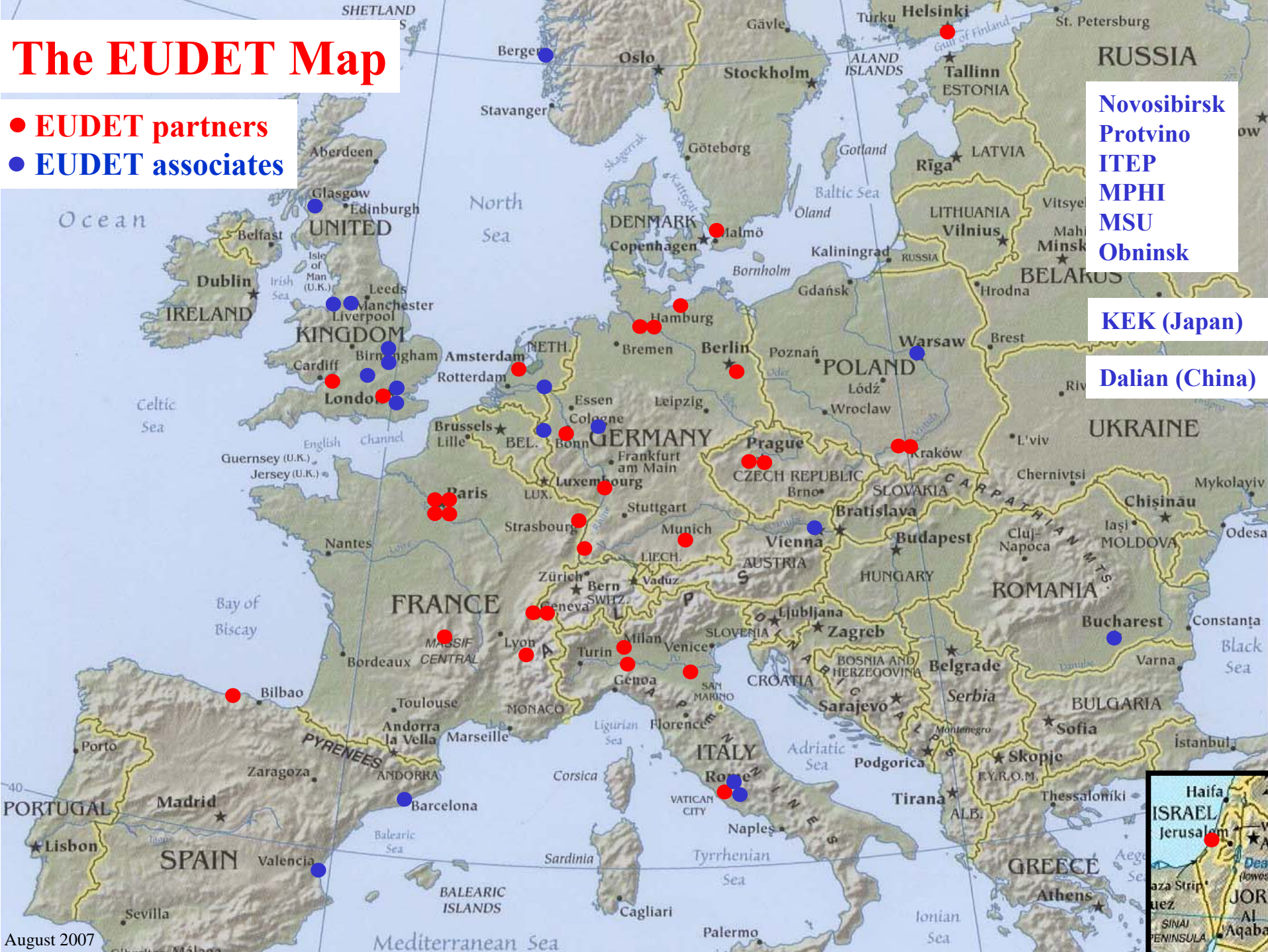
# The EUDET Map

- EUDET partners
- EUDET associates

Novosibirsk  
Protvino  
ITEP  
MPHI  
MSU  
Obninsk

KEK (Japan)

Dalian (China)





# EUDET Reports and Memos

- **For internal communication and dissimulation of knowledge**  
**This part of our project!**
  - **EUDET Memo: not refereed, for internal communication**
  - **EUDET Report: to be agreed by people involved and the SC for papers, conference proceedings, etc.**
- **See web page for more info, templates and examples**
  
- **Statistics:**
  - **2006: 11 memos & 6 reports**
  - **2007 (until today): 14 memos & 3 report**
  
- **We should 'produce' a respectable number of documents**
- **Write up ALL presentations at the Annual Meeting in Paris**
  
- **Please use the system and encourage people to write-up EUDET related matters**
- **Important:**  
**Let us know NOW about all your EUDET related talks and papers we need it for the next Annual Report**

# Annual Report 2006



## ■ Short history:

- very late delivery of scientific and financial information
- February 15: submission (w/o CNRS) on deadline
- early March: CNRS number delivered
- mid March: submission of corrected report  
(after discussion of some specific questions with Brussels)
- April 26: comments on scientific part received (mostly minor), answered quickly
- July 6: comments on financial tables received (benign), answered quickly
- July 13: more severe comments received on financial part
- August 9: all comments answered (thanks to Aurore & Cedric!)  
but no response from Brussels yet

## ■ Conclusions for coming reports:

- we were about 1 month late with the complete report  
... and ended up at the bottom of the pile  
check of financial part started only in July
- we overlooked some important mistakes in the rush (mea culpa)

- **We must avoid this in future and undertake ALL efforts to submit in time!**
- **Next Annual Report has to include audit certificates (for all partners)**





# Preparation Annual Report 2007

- Proposed time table, to be approved by Institution Board in Paris
- Will be **STRICTLY** enforced

<b>Responsibles</b>	<b>Action</b>	<b>Deadline</b>
<b>I3 Coordinator</b>	<b>Submission of Annual Report to Brussels</b>	<b>15.02.2008</b>
<b>All</b>	<b>Final feedback to Annual Report</b>	<b>08.02.2008</b>
<b>IB Members</b>	<b>Signed final versions of financial forms at DESY incl. audit certificate</b>	<b>08.02.2008</b>
<b>I3 Coordinator</b>	<b>Final draft of Annual Report distributed</b>	<b>01.02.2008</b>
<b>JRA/NA2 Coordinators &amp; Task Leaders</b>	<b>Final input for scientific part (progress report)</b>	<b>25.01.2008</b>
<b>I3 Coordinator</b>	<b>First draft Annual Report</b>	<b>18.01.2008</b>
<b>IB Members</b>	<b>Draft financial information (Form C &amp; Appendix 1) incl. new implementation plan</b>	<b>18.01.2008</b>
<b>JRA/NA2 Coordinators &amp; Task Leaders</b>	<b>Input for scientific part: progress report &amp; complete lists of talks and papers</b>	<b>21.12.2007</b>
<b>All</b>	<b>EUDET memo/report on Annual Meeting talks</b>	<b>01.12.2007</b>

- **We'll prepare a web page with further info, documents, etc.**



# Mid-term Review

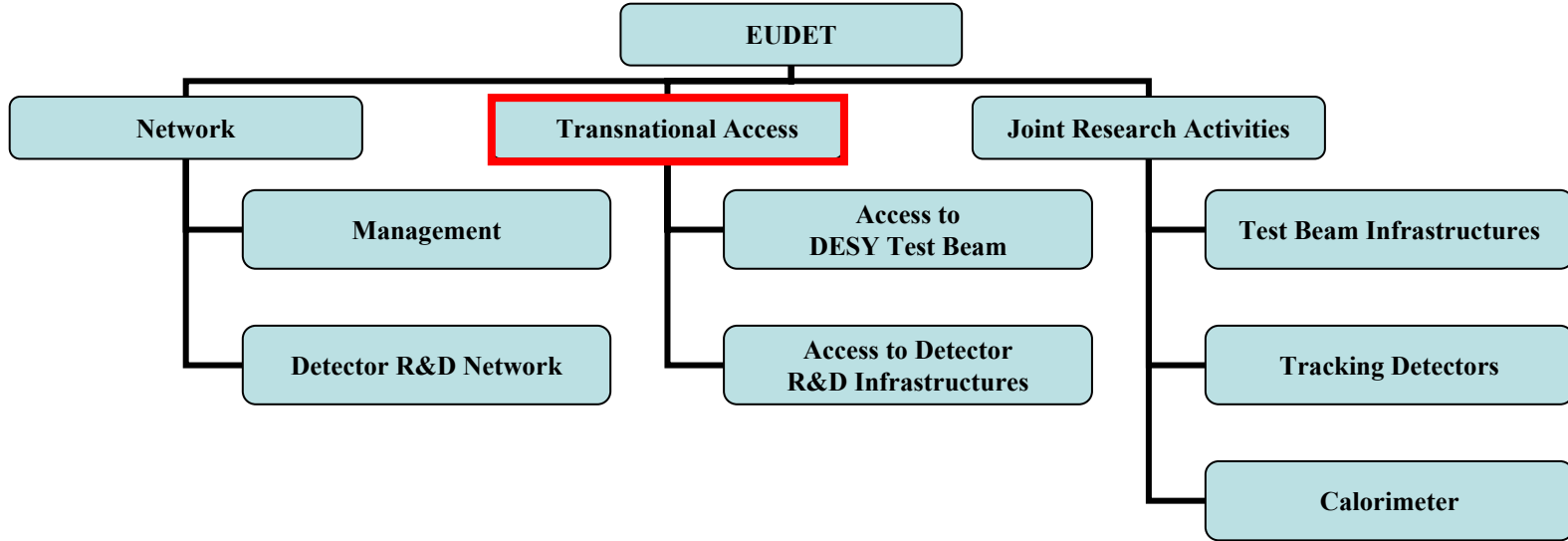
- **We have to undergo a mid-term review (early 2008)  
Details to be communicated in October**
  
  - **JM's current understanding:**
    - **I3 coordinator presents project status at Brussels  
to our Scientific officer and an external expert**
  
  - **We are invited to propose names for the external expert  
( ESAB members are not eligible...)**
- we should discuss names today!**



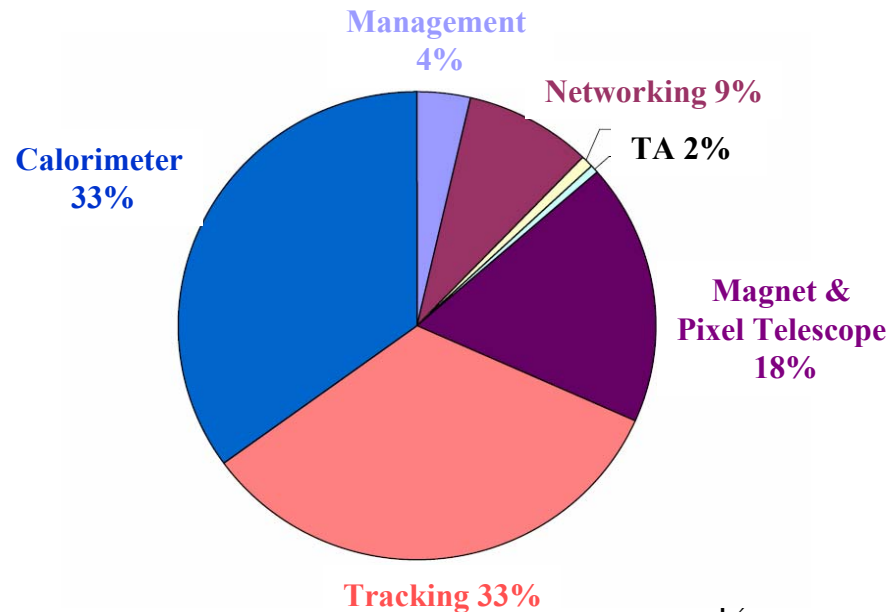
# NA1 Finance Status

- **NA1 budget includes**
  - **Scientific Assistant (1/2 position)**
  - **Travel for SC members**
  - **Auditing costs (4 k€/partner incl. overheads)**
  
- **2006 (DESY only)**
  - **≈ 33 k€ spent out 40 k€/year**
  - **no auditing**
  
- **2007**
  - **≈ 40 k€ extrapolated (DESY only)**
  - **auditing required for all partners**  
**2 k€/partner in budget**

# Transnational Access



- **Transnational Access is a mandatory component of an Integrated Infrastructure Initiative like EUDET**
- **Consists only small part of budget (2%) but as important as Networking and JRAs**
- **We must take it very, very serious**  
→ **needs your collaboration**



# TA Details from Annex I

Participant number	Organisation short name	Short name of infrastructure	Installation		Operator country code	Cost model for access	Unit of access	Unit cost (€)	For the whole duration of the project		
			Number	Short name					Min. number of access to be provided	Estimated number of users	Estimated number of projects
1	DESY	DESY-TB	1	DESY-TB	DE	UF	TB-week	2300	36	40	8
1	DESY	DRD-INF	2	BTELE	(DE, FR, NL, CH)*	UF	Exp-week	0	6	18	6
			3	TPC				0	11	33	11
			4	SI-TPC				0	5	15	5
			5	SI-STRIP				0	5	15	5
			6	CALO				0	3	9	3

\* The rules of Transnational Access are applied with respect to the location where the installation is used.

- **As of 2006: promised to provide weeks per year of the DESY test beam in several, smaller projects to be credible**
- **As of 2008: TA2 exploitation of the infrastructures we have built**
- **Note: TA2 can be organised at different places  
DESY, CERN, NIKHEF, CNRS, ...**
- **For all TA projects:  
they do not have to be related to EUDET  
any physics or other scientific project would be fine (even better)**

# Transnational Access



- Advertisement in CERN Courier (may 2007)
  - so far limited success
- We have to make some advertisement for this
  - among colleagues at your university
  - web
  - ...
- **Your help is needed here!**

**EUDET** Detector R&D towards the International Linear Collider

## Transnational Access to Detector R&D Infrastructures

EUDET is a project supported by the European Union in the Sixth Framework Programme (FP6) structuring the European Research Area. This project aims at creating a coordinated European effort towards research and development for the next generation of large-scale particle detectors. EUDET comprises 23 European partner institutes and 24 associated institutes working in the field of High Energy Physics.

EUDET provides in the framework of the Transnational Access scheme travel support for groups from the EU and countries associated to FP6 using the following infrastructures:

TA1: Experiments at DESY testbeam (<http://testbeam.desy.de>)  
TA2: Experiment using infrastructure developed in the EUDET project: high precision beam telescope; large, low mass TPC field cage; silicon based TPC readout system; infrastructure for development of SI-Stripdetectors; infrastructures for development of granular calorimeters.

### TO APPLY FOR EC FUNDED ACCESS

visit our web site <http://www.eudet.org> to get more information about the modalities of application.



# Status Transnational Access

## ■ 2006

- 3 projects applied and approved (TA1 only)
  - 2 projects carried out (MAPS and SiTRA)
- corresponding to 4 testbeam weeks (out of 8 foreseen in Annex 1)
- $\approx 14$  k€ spent (38 k€/year in budget)

## ■ 2007

- 4 TA1 projects approved so far
- 2 more are planned (Turkish students + ATLAS ALFA detector)
- $\approx 20$  k€ spent on 3 projects

## ■ New in 2007: TA2

- mandatory as of 2008
- JRA1 pixel telescope at CERN could be devised as TA2 project

# Milestones & Deliverables 2007



- **Lists below extracted from Annual Report**
  - some dates updated wrt Annex 1
  - reflects our contractual obligations
  
- **In 2007: reports scheduled at SC Meetings**
  - to review status
  - to define milestone/deliverable
  - to discuss documentation,
  - i.e. how to proof accomplishment of milestone/deliverable
  
- **Milestones/deliverables mostly more or less in time**
  - some are late
  - need to make all efforts to finish in 2007
  - to have in the Annual Report 2007
  
- **Again lack of documentaion**
  - need to fix all open issues (as discussed at SC meetings) before our Paris meeting
  - JM & Natalia will contact late suppliers



# Milestones & Deliverables 2007



Activity	Task	Milestone	Original Date	Updated Date
NA1		2 <sup>nd</sup> Annual Meeting	22	22
NA2	B	Version 1.0 of analysis framework ready	18	20 <sup>a</sup>
NA2	D	First release of improved version of the hadronic processes and physics lists in Geant4	18	18
NA2	A	2 <sup>nd</sup> stage of computing network installed	22	22
NA2	F	2 <sup>nd</sup> Annual Scientific Workshop	22	22
JRA1	C	SDC prototype 2 ready	15	15
JRA1	A	Field map available	18	18
JRA1	B	Analogue Telescope integrated in beam	18	18
JRA1	D	Readout for prototype available	18	18
JRA1	C	IDC prototype ready	27	27
JRA2	B	MIP signals in TimePix and GEM/MicroMegas	15	13
JRA2	A	Field cage available	18	21 <sup>b</sup>
JRA2	C	Convection cooling system prototype ready	18	18
JRA2	A	DAQ prototype available	24	24
JRA2	B	Endplate infrastructure available	24	24
JRA2	C	Motorized 3D table ready	24	24
JRA2	C	FE chip version 1	24	24
JRA2	C	Central tracker prototype	24	27 <sup>c</sup>
JRA3	D	DAQ system prototype available	18	18
JRA3	B	HCAL mechanical concept available	21	24 <sup>d</sup>
JRA3	B	HCAL calibration single channel prototype available	21	21
JRA3	A,B,C,D,E	Design review	22	22
JRA3	C	Design of readout electronics available	24	24
JRA3	E	ECAL ASIC prototype TECH2 available	24	24
JRA3	E	AHCAL ASIC prototype SiPM2 available	24	24
JRA3	A	ECAL design and mould available	30	30
JRA3	B	HCAL calibration multi channel prototype available	30	30

[EUDET-Memo-2007-14](#)

# Deliverables 2007



Deliverable No	Deliverable title	Task	Lead Contractor(s)	Nature	Original date	Updated date
NA1-D2	2 <sup>nd</sup> Annual Report	-	DESY	Report	24	24
NA2-D3	Version 1.0 of analysis framework	B	DESY	Software	18	20 <sup>a</sup>
NA2-D4	First release of improved version of the hadronic processes and physics lists in Geant4	D	CERN	Software	18	18
NA2-D5	Proceedings of 2 <sup>nd</sup> EUDET workshop	F	DESY	Report	24	24
JRA1-D2	SDC prototype 2	C	CNRS-IReS	Prototype	15	15
JRA1-D3	Field map	A	CERN	Software	18	18
JRA1-D4	Analogue prototype telescope	B,C,D	DESY, UNI-GE, CNRS-IReS	Hardware	18	18
JRA1-D5	IDC prototype	C	CNRS-IReS	Prototype	27	27
JRA2-D3	TPC fieldcage	A	DESY	Hardware	18	21 <sup>b</sup>
JRA2-D4	Convection cooling system prototype	C	CNRS-LPNHE	Prototype	18	18
JRA2-D5	2 <sup>nd</sup> version of TimePix chip	B	CERN,FOM/NIKHEF	Prototype	21	27 <sup>e</sup>
JRA2-D6	DAQ prototype available	A	ULUND,UROS	Hardware	24	24
JRA2-D7	Endplate infrastructure	B	CEA	Hardware	24	24
JRA2-D8	Motorised 3D table	C	CNRS-LPNHE, CUPRAGUE	Hardware	24	24
JRA2-D9	Central tracker prototype	C	CNRS-LPNHE, CUPRAGUE	Prototype	24	27 <sup>c</sup>
JRA2-D10	FE chip version 1	C	CNRS-LPNHE	Prototype	24	24
JRA3-D3	Design report	A,B,C,D,E	DESY,CNRS-LAL	Report	24	24

**Nothing has been documented so far!**



# Summary and Conclusion

- **Management**
  - new Scientific Assistant
  - budget ok
- **Transnational Access**
  - improving as compared to 2006
  - but still need to increase efforts as TA2 is starting
- **Annual Report 2006**
  - still waiting for approval
  - therefore 2nd instalment pending
- **Preparation Annual Report 2007**
  - must follow strict schedule to avoid similar problems in 2008
  - see also possible FP7 proposal
- **very late in documentation**
- **must increase efforts to have all milestones and deliverables accomplished before end 2007**