



EUDET

Information and Thoughts on EUDET in FP7

Joachim Mnich

Extended Steering Committee Meeting

August 27, 2007

Info on Framework Programme 7 (FP7)



- **FP7 officially launched in February 2007**
 - **duration 7 years until 2012**

- **No design studies anymore**
 - **would have been the natural continuation of EUDET...**

- **But Integrated Infrastructure Initiatives (I3) will continue**
 - **similar in structure, details differ**
 - **looks like that we should go for that**

- **Planned I3 calls (deadlines for submission):**
 - **Feb. 2008: expected volume 276.5 M€**
 - **Feb. 2010: similar volume**
 - **2012: much smaller volume, to bridge projects to FP8**

- **total volume for I3s in FP7: 580 M€**
- **experience from FP6: later calls might be cancelled**



JM's Conclusions

- If we wish to continue we should to prepare a proposal for

February 15, 2008

even though 2nd call in Feb. 2010 will probably have less competition

- **NB: I strongly believe that we must continue in the interest of the ILC!**
- **Good projects providing good new proposal have good chances to continue in FP7**
- **But be aware:**
 - **Limited amount of money to be expected**
 - increased overheads
 - only full cost model, flat rate of 60% overhead possible
 - 1000 € EC support would split into
625 € eligible costs + 375 € overheads
- **Total I3 budget is not much increased wrt FP6**
 - number of I3 projects will probably be larger or at least similar to FP6
continue good FP6 projects
 - other aspects should be in the focus:
 - structuring the efforts
 - positive impact at other, national funding agencies



More Info on FP7 I3

Information & discussions at I3-NET Meeting in Brussels (July 18th):

- **Timing for EUDET:**
 - application Feb. 2008 with start end of 2009 would be appropriate

- **Expected project duration and volume**
 - duration 4 years
 - approx. 20 contractors (partners)
 - 4 – 6 M€ contribution from Brussels
 - in exceptional cases (large number of partners, large communities)
10 – 15 M€ conceivable

- **Project orientation similar to FP6**
 - **INFRASTRUCTURE**
 - include JRAs, Networking and Transnational Access
btw: other FP6 I3s do have 60% of the budget in TA!

How to Conceive an FP7 I3



JM sees two options:

A) EUDET-2:

follow-up of EUDET with essentially the same community and targets

- **We need to come up with good, new infrastructure ideas targeted for the ILC detectors**
 - simply not sufficient to propose the same things as in EUDET
 - just larger pixel, magnet, TPC, calo, etc.
 - must come up with something new & original

- **Collect ideas now!**

- **Start of a list:**
 - **Industrialization:** in line with ILC demands, could involve companies
 - **DAQ:** was a step child in EUDET proposal
 - **Networking (ideas stolen from other I3s):**
 - outreach
 - young researchers, equal opportunity
 - **Strengthen Transnational Access including CERN testbeam**

- **Issue should be discussed in JRAs until Paris**

How to Conceive an FP7 I3



B) Incorporate other European detector R&D projects

e.g. sLHC, neutrino into a large I3

- **Several obvious advantages**
 - avoids competition
 - mitigates the problem of distinguishing new from existing EUDET
 - would incorporate all European detector efforts
(was probably one of the strongest points of EUDET wrt ILC detector R&D)
 - many scientific synergies (infrastructure!) conceivable

- **Would be a large project with 40 - 50 partners**
meaningful only with budget of ≥ 15 M€

- **Discussion took place at RECFA meeting in Manchester**
 - strong encouragement for coordination
 - RECFA is setting up a European Coordination Group for detector R&D planing in FP7 (à la ESGARD) with representatives from EUDET, CMS, ATLAS, neutrinos, flavour, CERN, DESY Meeting in September
 - plus reference group with national representatives



How to Proceed

- **We need to discuss**
 - which option A/B we want to go
 - a layout for an FP7 proposal (ILC related) independent of A/B
 - input from everyone is needed asap
 - if B proposal for common activities & synergy arguments
- starting today until Paris**
- **In Paris**
 - finalize the proposal layout
 - item also for parallel sessions
 - set up an editorial board
 - discussion will be foreseen in IB meeting and last plenary session
- **Keep in mind:**
 - proposal deadline coincides with Annual Report deadline
 - probably some people will be involved in both
- **RECFA schedule/plans (proposal):**
 - 1st meeting coordination group in September (survey, initial discussion)
 - need to talk to EU people to evaluate prospects (October)
 - **November:** outline proposal(s)