

Education & Training NA

Status for the EUCARD3 second preparatory meeting

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Context

- The TIARA-PP project WP5 made a number of recommendations for improving the E&T situation in accelerator science/engineering at a European level
- The work done in that study provides a good foundation for an appropriate-scale E&T work package in EUCARD3
- Have consulted with TIARA WP5 members + additional relevant institutes/people – **I may have missed some!**
- Very rough draft WP outline is given here
- Comments and feedback very welcome!

Consulted so far ...

E-learning phone conferences 15/6/15 + 28/9/15:

- Aarhus (Dk): S. Pape-Moeller
- CERN: R. Bailey (CAS), L. Rinolfi (JUAS)
- CIEMAT (Sp): D. Obradors Campos, S. Falcon
- GSI (Ge): Y. Foka, S. Appel, O. Boine Frankenheim
- Helsinki (Fi): K. Oesterberg
- INFN (It): A. Variola
- IN2P3 (Fr): N. Delerue
- Oslo (No): E. Adli
- Oxford (UK): P. Burrows
- PSI (Ch): L. Rivkin
- Stockholm (Sw): A. Kallberg
- Warsaw: A. Kisiel et al
- + ESS (Sw): Y. Rutambhara, H. Danared; Frankfurt (Ge): S. Vogel

All are interested in participating in a NA on E&T

WP Outline

Education, Training and Outreach for Accelerator Science

- Task 1: Coordination and Communication**
- Task 2: Support and enhancement of ongoing training activities for accelerators in Europe**
- Task 3: Provide an e-learning course: introduction to accelerator science, engineering and technology**
- Task 4: Coordination, support and enhancement of outreach activities for accelerators in Europe**

Task 2

Support and enhancement of ongoing training activities for accelerators in Europe

- **Monitor accelerator education and training provision in Europe, in a worldwide context.**
- **Promote sharing of resources and good practice throughout Europe.**
- **Assess needs for, and promote, additional education and training activities.**

Deliverables: reports, [www-resource](#) ...

Task 3

Provide an e-learning course: introduction to accelerator science, engineering and technology

- **Survey existing e-learning initiatives in relevant physical sciences disciplines.**
- **Investigate the possibility of university accreditation of an e-learning course.**
- **Define the intellectual content of the e-learning course.**
- **Survey e-learning tools and select an appropriate tool.**
- **Set up the e-learning course in test mode.**
- **Define resources required to launch, maintain and run the e-learning course.**

Deliverables: reports, e-learning course

Task 4 – for discussion

Coordination, support and enhancement of outreach activities for accelerators in Europe

- **Monitor accelerator outreach activities in Europe in the global context.**
- **Promote sharing of resources and good practice throughout Europe.**
- **Assess needs for, and promote, additional outreach activities.**

Deliverables: reports, [www-resource](#)

Resources – PRELIMINARY!

- Task 1:** 4 pm (contrib) + 18.4k travel (EU)
- Task 2:** 4 pm (contrib) + 74k travel (EU)
 + 25k exploratory studies (EU)
- Task 3:** 4 pm (contrib) + 24 pm (EU) + 74k travel (EU)
 + 100k exploratory studies (EU)
- Task 4:** 4 pm (contrib) + 74k travel (EU)
 + 25k exploratory studies (EU)

Resources – PRELIMINARY!

Duration	4	Years
Estimated manpower	40	persons.month
Estimated personnel cost	200	k€ assumes 5k/pm?
Estimated travel costs	244	k€ assumes 74k/task+18k task 1 as in guideline
Estimated material costs	150	k€ exploratory studies
Total direct costs	594	k€
Indirect costs (25%)	149	k€
Total cost	743	k€
Requested EC Contribution	514	k€ travel + material + 24pm (69%)

Comments

- **List of potential network participants is solid**
 - there may be more institutes interested!
- **Work programme outline is solid – outreach task needs to be discussed and agreed**
- **Resources: first pass – can be refined**
- **Beneficiaries: depends on how we allocate person months for exploratory activities, and how much is paid by the EU!**
- **NB: ERASMUS+ funding for E+T activities, including e-learning, in Nordic group – we are in discussion about cooperation**
- **Input and suggestions are very welcome!**