



DCO WP2

Rooted in CARE ... Thank you Olivier! Thank you Dieter!

Assumptions for DCO presentation

- More questions than answers
- More ideas than solutions
- Not yet consulted suggestions
- Some ideas closer to dreams than reality
- Very challenging task





DCO WP2

DCO Team –not yet fully organized

- Kate Kahle – web, Newsletter [Kate.Kahle@cern.ch]
- vacancy – data base
- vacancy – IT support
- students – technical work (not yet confirmed)
- R.Romaniuk – monographs, coordination
[rrom@ise.pw.edu.pl]





DCO objectives

DCO is formally defined in DoW document

DCO may be additionally defined in CA document

- **To create and maintain web .. (EuCARD)**
- **To publish ...**
- **To monitor ...**
- **To maintain database ...**
- **To provide IT support ...**
- **To promote awareness / understanding**





DCO tasks

DCO consists formally of two tasks in DoW

- **Task 1: DCO Coordination and Communication**
- **Task 2: Dissemination and Outreach**





DCO internal interact.

DCO overlapping with other WPs. Different interactions with DCO depending on character of the WP.

- **Management, WP1**
- **Networking: WP.2. DCO, WP.3.
Neutrino Community, WP4.
EuroLumi, RFTech**
- **TA – WP5. TA-CERN, WP6-TA-STFC**
- **JA**





DCO layers

DCO consists of two layers: IT and non-IT

- **IT infrastructure**
- **IT content**
- **Actions / Events**
- **Publications**
- **Reporting / Information**
- **Education / Public ?**





DCO components

DCO smaller grains for layers

- **Web**
 - **Database**
 - **Interfaces**
 - **Access**
 - **Newsletter**
 - **Cooperation**
 - **Booklets**
- Internal**
 - Meetings**
 - Conferences**
 - Industry**
 - Public**
 - DCO-NA-TA**
 - Community**





DCO MIN vs MAX

DCO between two confinements: min. v/s max.

MINIMUM

- **Interactive web, DB**
- **Booklets**

MAXIMUM

- **Newsletter, Press releases**
- **Cooperation, Events**
- **Active Support, a lot more ...**





EuCARD web

Architecture of existing web site

- **About EuCARD:** summary, partners, results, vacancies
- **News:** latest news, newsletter, events
- **Activities:** management, NA, TA, JR
- **Intranet:** news, contacts, WP, reports, deliverables, milestones,
- **NEW:** DB interface, Press,





EuCARD Newsletter

A Newsletter may be more than a simple circular document. It may build a community.

- **Good examples: ILC, CMS, ...**
- **Content gathering mechanism?**
- **Voluntary or Scheduled ?**
- **Monthly/Quarterly ?**
- **Format, delivery form, ... web, mail ?**





EuCARD Monographs

A dedicated series of monographs on advanced accelerator technology

- Purpose
- General Objectives
- Particular aims
- Justification
- Receivers
- Extent





EuCARD Monographs

Publication decisions

- **Copyrights:** author, EuCARD, publisher
- **Publisher:** EuCARD, CERN, Springer, Univ.Press
- **Subject:** only EuCARD or wider, how much wider
- **Cost:** authors unpaid, digital printing, book copies
- **Copy pricing:** free, symbolic price like 10€ per copy, payment for e-book download?
- **Timing:** initial delay caused by inertia,





EuCARD Monographs

- **Fast start:** books with results, books with research work justification, comparison in 4 years
- **Authors:** delicate subject of recruiting the authors, obligation rooted in Consortium Agreement?
- **Homogeneity - technical:** how much?, perhaps not at all, publishing form for printed books, uniform shape, common or quasi common cover,
- **Publishing form:** printed, CD rom, e-book,
- **Homogeneity – topics and level:** advanced, less advanced, manuals,





EuCARD Monographs

- **For whom:** only for us, wider reception, students of physics and engineering, portrait of Accelerator Technology for EU
- **EU:** one of the books (or two) should be definitely very introductory
- **Availability/Access:** copyright confinements, printed vs e- book, if printed – print on demand, books costs when purchased,
- **Submission:** author delivers completely ready pdf file





EuCARD Monographs

Technical side

- **Volume:** 80 – 150 (200) pages
- **Format:** B5
- **Issue:** number of printed copies or CD roms, costs, print only on demand,
- **Cover:** common cover, individual covers, intermediate solution with changing major cover illustration





EuCARD Monographs

People

- Authors
- Editorial Board and Editor-in-Chief ?
- Reviewers and reviewing process ?
- Editorials for individual volumes ?

- Advantages of more people involved ?





EuCARD Monographs

Initial activities

- Initial steps were taken to avoid too much delay in starting the monographic series
- Intense talks with prospective authors : LR, JPD, DP, HM, MV, EP, VP, VS, SS, TG,
- First subjects under consideration: TESLA cavities, Nb technology, SRF, beam dynamics, crystals, neutrinos, detectors, instrumentation for accel and detectors,
- Two first books published: TESLA cavities, TRIDAQ devel.,
- Books in publishing queue: D.Proch, SRF; H.Mais, Beam dynamics?, T.Garvey, SRF (PSI) not confirmed, LLRF in FELs, TRIDAQs in LHC detectors, TRIDAQ in Auger Observatory, ASICs vs PLD in radiative environs and system costs, HFM, collimation, NCL, HRM,





EuCARD Monographs

Immediate next steps

- At least two very good introductory books have to be written:
 - Status of Accelerator Technology – R&D
 - Status of Accelerator Technology – Applications
- The authors should be not too reluctant to write a book for EuCARD series
- One more slide, instead of conclusions, kind appeal to Colleagues





EuCARD Monographs

Possible next steps

- A really very good book is possible, giving a strong and fast start of the planned monographic series. This book would be a solid justification of the further effort in accelerator technology R&D:

R.Aleksan, O.Napoly,...(Editors)

CARE Summary

