



ASPERA Technology Forum

21-22 October 2010 - Schloss Nymphenburg - Munich

Photosensors & auxiliary electronics

Dr. Thomas Berghöfer
ASPERA Coordinator
BMBF/PT-DESY • Germany



ASPERA Technology Forum

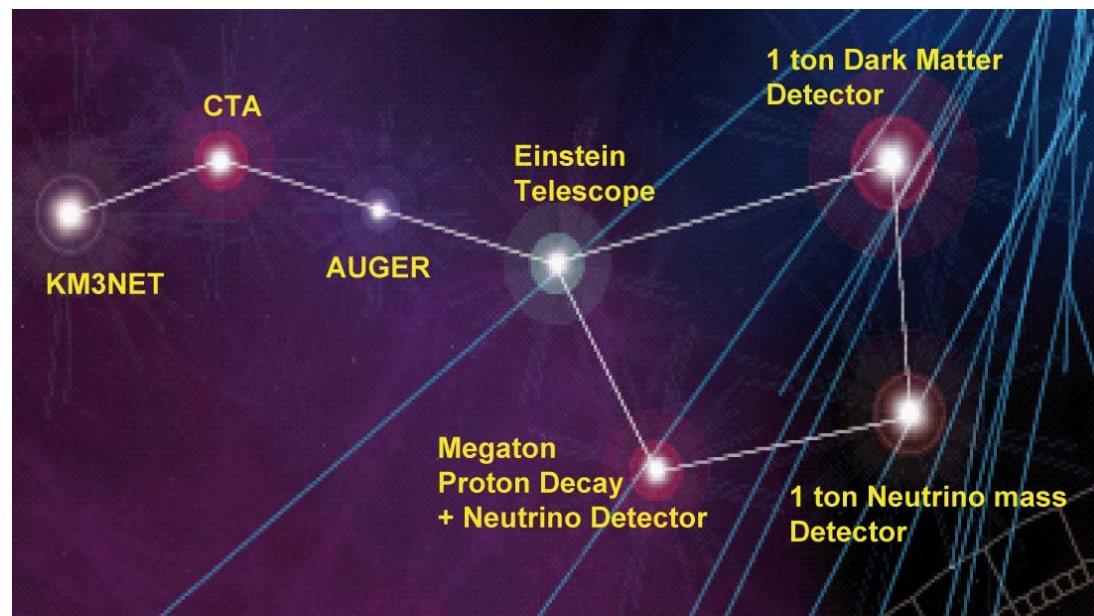
- Who has invited?
- Who is attending?
- Why are we here together?

Who has invited?

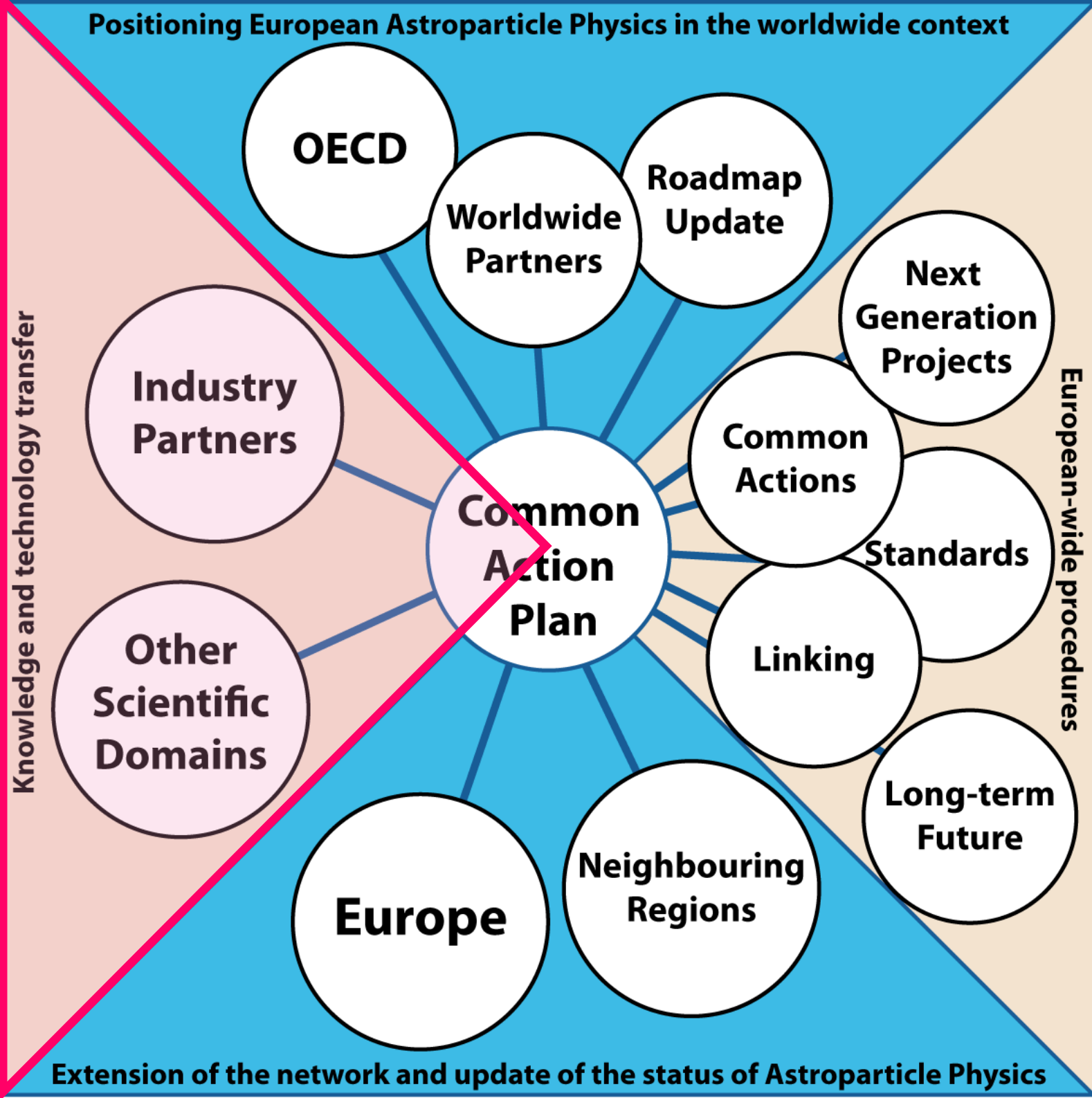
ASPERA

- Is an **E**uropean **R**esearch **A**rea **NET**work:
a tool invented by European Commission to help structuring the ERA
- Network of funding agencies in astroparticle physics
- Funded since 2006,
will be turned into a structure to coordinate astroparticle physics in Europe

ASPERA – a challenge



Implementation!



Who is attending?

- Representatives and technology experts of
 - the European roadmap projects
 - of companies developing and producing photosensors & aux. electronics
- Representatives of funding agencies
- Young scientists, other guests



Why are we here together?

- European roadmap of astroparticle physics defines 1.5 Billion € investment
- Substantial fraction for photosensors & aux. electronics
- Is a several 100 Mio. € market for industry



Why are we here together?

- Requires a careful planning among project collaborations, companies, and funding agencies
- Discuss requirements concerning
 - R&D
 - Production
 - Funding

Questions (see booklet):

- What are the requirements of the coming projects concerning photosensors?
- What are the technological challenges?
- What products are available and what kind of R&D activities are required?
- What is the potential of joint research activities?
- Is there an R&D strategy that can be commonly followed by research institutes and SME?
- What is the impact of developments on other scientific fields or market ready products?
- What are the bottlenecks when scientists cooperate with industries, what are the typical wishes of industrial partners and of scientists?

The organising team:

- Sandra Hesping
- Nadja Häbe
- Katharina Henjes-Kunst

+ consultants:

Razmik Mirzoyan, Franz v. Feilitzsch,
Stavros Katsanevas, Thomas Berghöfer, ...

A great thank you to

Carl Friedrich von Siemens Stiftung

and

Mrs. Kresnik

!



The Agenda

- Two keynote speeches
- Presentations of the companies
- Hot seat sessions on the projects
- Time for
 - open discussions
 - discussions in smaller circles

Structure of hot seat sessions

- | | |
|--|-------------------|
| 1. Overview of the project | 2-3 slides 5 min |
| 2. Technical project details on
photosensors and aux. electronics | 3-5 slides 10 min |
| 3. Questions by <ul style="list-style-type: none">- companies representatives and- representatives of other projects and- funding agency representatives | 15 min |
| 4. Discussion | 10 min |
| 5. Summary of important facts | 5 min |

Results, next actions

Extend ASPERA Technology Forum booklet by

- summaries of the hot seat sessions
- conclusions
- participants list, photos, ...

Conclude actions from the final discussion



... per ASPERA ad astra ...

let's start with the keynotes