

International advisory board: Alliance after 2012

- What happened so far
- Plans for 2011: the way forward

Midterm Evaluation 2009

During 2009 (preparation for midterm evaluation):

Alliance has developed a first idea about the time after 2012:
Perspektivbericht 2009, which has been submitted to Helmholtz
as part of the midterm evaluation

- First structural ideas
- Feedback from the partners (letters from 17 universities concerning a possible continuation after 2012)

Results from the evaluation:

Committee urges Helmholtz to find ways to continue the Alliance funding after 2012

Helmholtz internal

Review of DESY program in 2009 (POF review)

Committee is impressed by the achievements of the Alliance. DESY (Helmholtz) is charged to develop a strategy and a proposal for a continuation of the Alliance structures for the time after 2012 and deliver this to Mlynek by end 2011.

Result of the POF evaluation:

As part of the DESY budget for 2010-2015 DESY gets granted 1 Mio / year to sustain part of the DESY activities (essentially the tenured positions)

Activities 2010

Spring 2010: discussion with Mlynek on the future of the Alliance

- Basis is Perspektivpapier
- Stress the role of the Alliance in connecting Helmholtz with the universities

- In general positive feedback from Mlynek
- Main problem: where can the money come from

- Agreement with Mlynek: work out a more concrete proposal from the Alliance by early 2011, discuss possible funding schemes

Insertion: Helmholtz funding

Particle physics is part of Structure of matter (SdM) in Helmholtz

SdM gets +1.4% / year for 2010 - 2015

2010: PAKTII is agreed on: research gets a special boost,
additional money → Helmholtz gets instead of +5%/ year

The good news: there is fresh, unassigned money in the system

The bad news: the competition for this new money is fierce.

Helmholtz Politics

Money from PAKTII:

Initiate Portfolio process for new initiatives and ideas

This is a top-down approach, by which Helmholtz identifies areas where they want to be more active,

then calls for proposals to install concrete projects in these areas .

What we (DESY/ Alliance management) try to do:

Inject our proposal (Alliance like structures after 2012) into this process

Goal: establish this as a theme within the portfolio process

We can make a proposal only if we are successful in this!

Antragsskizze



Antragsskizze für ein Portfoliothema

PHYSIK AN DER TERASKALA

der Helmholtz-Zentren

Deutsches Elektronen Synchrotron (DESY) und
Karlsruher Institut für Technologie (KIT)

mit den vorgesehenen Partnern

Rheinisch-Westfälische Technische
Hochschule Aachen

Rheinische Friedrich-Wilhelms-Universität
Bonn

Technische Universität Dresden

Justus-Liebig-Universität Gießen

Universität Hamburg

Johannes Gutenberg-Universität Mainz

Universität Regensburg

Julius-Maximilians-Universität Würzburg

Humboldt-Universität zu Berlin

Technische Universität Dortmund

Albert-Ludwigs-Universität Freiburg

Georg-August-Universität Göttingen

Ruprecht-Karls-Universität Heidelberg

Ludwig-Maximilians-Universität München

Universität Siegen

Bergische Universität Wuppertal

und dem Max-Planck-Institut für Physik München.

Start 1. Juli 2012

Koordinierender Sprecher: Prof. Dr. Joachim Mnich (DESY)

Based on the Perspektivbericht

Short description of the structures

Short description of the proposed
structures after 2012 (little detail)

Central assumption:

1 Mio/y from DESY through POF

1 Mio/y from partners for positions

Need 3 Mio/y new money

Analysis

Analysis:

common activities (working groups) focused on LHC analyzes
Analysis center: further develop the concept

Das Zentrum wird

- relevante Themen und Projekte im Bereich Analyse und Interpretation der Daten vorantreiben;
- für die LHC-Experimente langfristig nutzbare Expertise aufbauen und dabei die am DESY vorhandene Erfahrung speziell aus den HERA-Experimenten einbringen;
- flexibel Projektarbeit leisten, die von allen Partnern gemeinsam unter strategischen Gesichtspunkten festgelegt wird;
- Workshops und Diskussionsforen zu relevanten Themen unter Einbeziehung internationaler Experten durchführen;
- den wissenschaftlichen Austausch zwischen den beteiligten Partnerinstituten sowie zwischen Theorie und Experiment in Deutschland sicherstellen;
- die enge Zusammenarbeit zu anderen großen LHC-Zentren wie CERN und FNAL nutzen und ausbauen.

GRID

Computing is of key importance

Coordinated activities on GRID tools are needed

Coordinated activities on the infrastructure are needed

- Arbeiten zur Weiterentwicklung von Analyse unter Nutzung verteilter Computing-Ressourcen;
- Strategische Unterstützung zum Ausbau der Vernetzung der Partner;
- Gezielte Unterstützung zum Ausbau der Standorte und der NAF;
- Mitgestaltung zukünftiger Entwicklungen des Computing für die Teilchenphysik.

Detector

Infrastructure:

Continue the approach of common infrastructure

- further development
- maintenance of existing infrastructure

Projects

Flexible mechanism to initiate new projects

Accelerator

Accelerator:

New funding line within Helmholtz available
(ARD: Accelerator Research and Development)

HEP related activities to be bundled within the Alliance activities

- Forschung an Schlüsselthemen für einen Linear Collider;
- Forschung an Teilchenphysik-relevanten Themen der Plasma-Beschleunigung;
- Aus- und Weiterbildung des Nachwuchses

Backbone

Backbone very useful for flexible measures

Guest lecturers/ replacements/ etc

Guest program

Fellowships

Young investigator groups

Equal opportunity actions

Travel money

Training

Outreach

Currently in the Alliance
Need to discuss how to
continue and evolve this.

How to proceed

The Helmholtz situation is very dynamic and changing fast: we try to adapt to this as flexibly as possible

We hope that we will have a chance to submit a concrete proposal in 2011

We should prepare for this regardless of feedback from Helmholtz

- Have a brainstorming meeting among group leaders of all partners early in 2011 (“Frankfurt” meetings from the startup times of the Alliance)
 - Proposal Jan 28 (Friday) in Frankfurt
- Start a serious discussions in the boards on content of a possible post-alliance structure:

Propose to boards that they organize dedicated meetings in the first few month of 2011 to do this.

Goal: have proposal ready by mid-2011