

POFIII

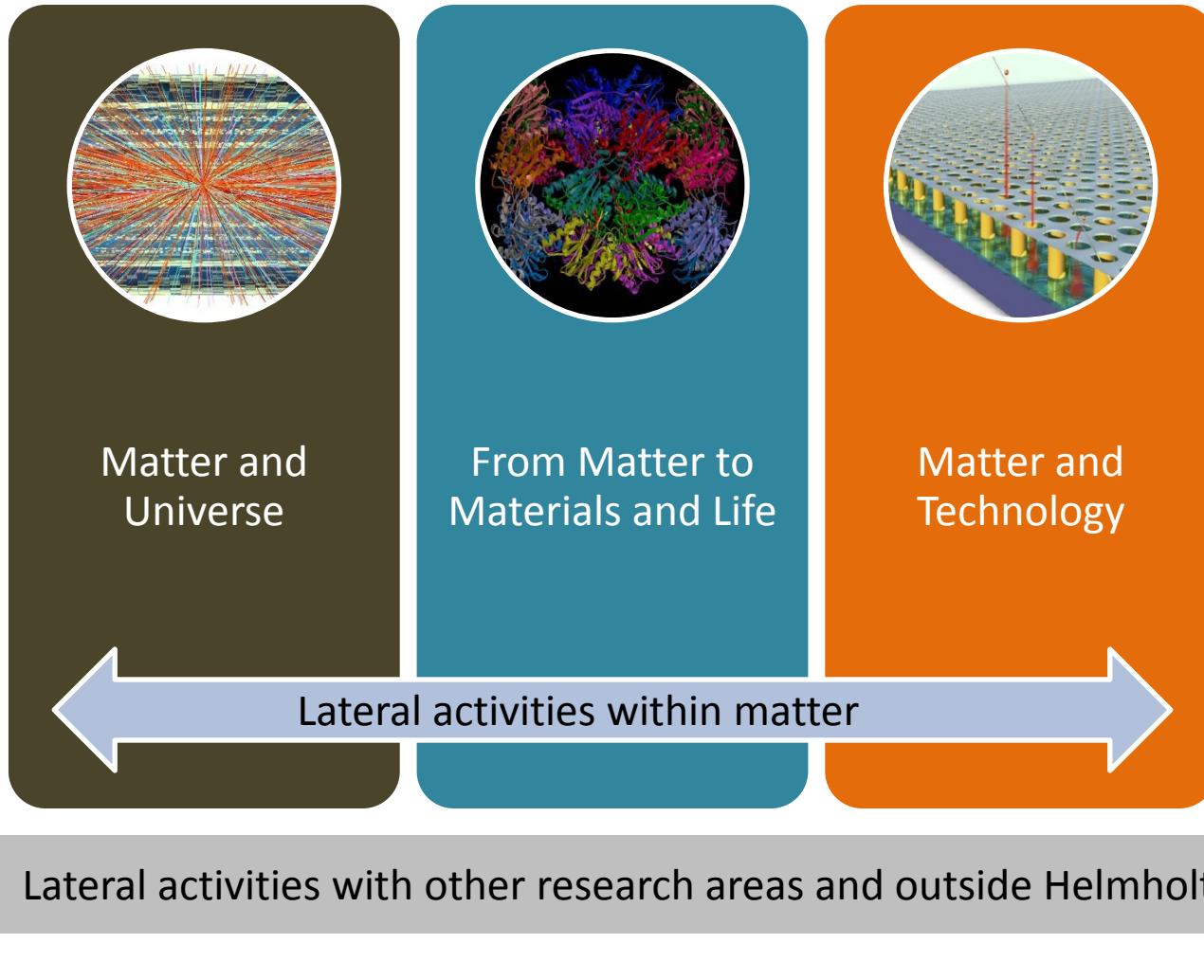
Third period of project oriented funding:

POFIII, 2015-2020

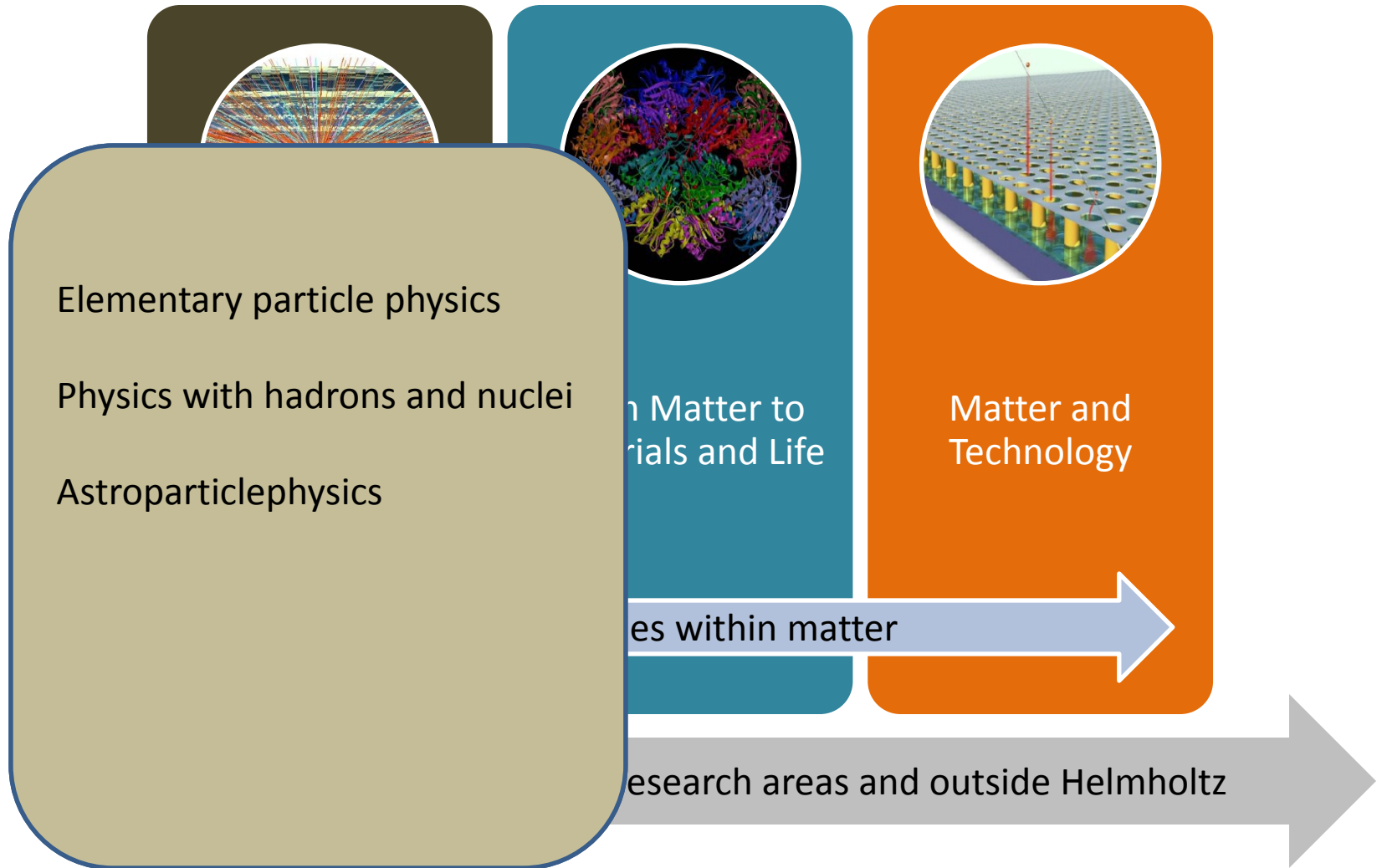
The situation:

- Struktur der Materie (current research field) will be re-structured into matter
- Fewer programs, more equal in size
- Challenge will be to reflect this new structure in a new coherent program
- For us: detector platform becomes part of a program.

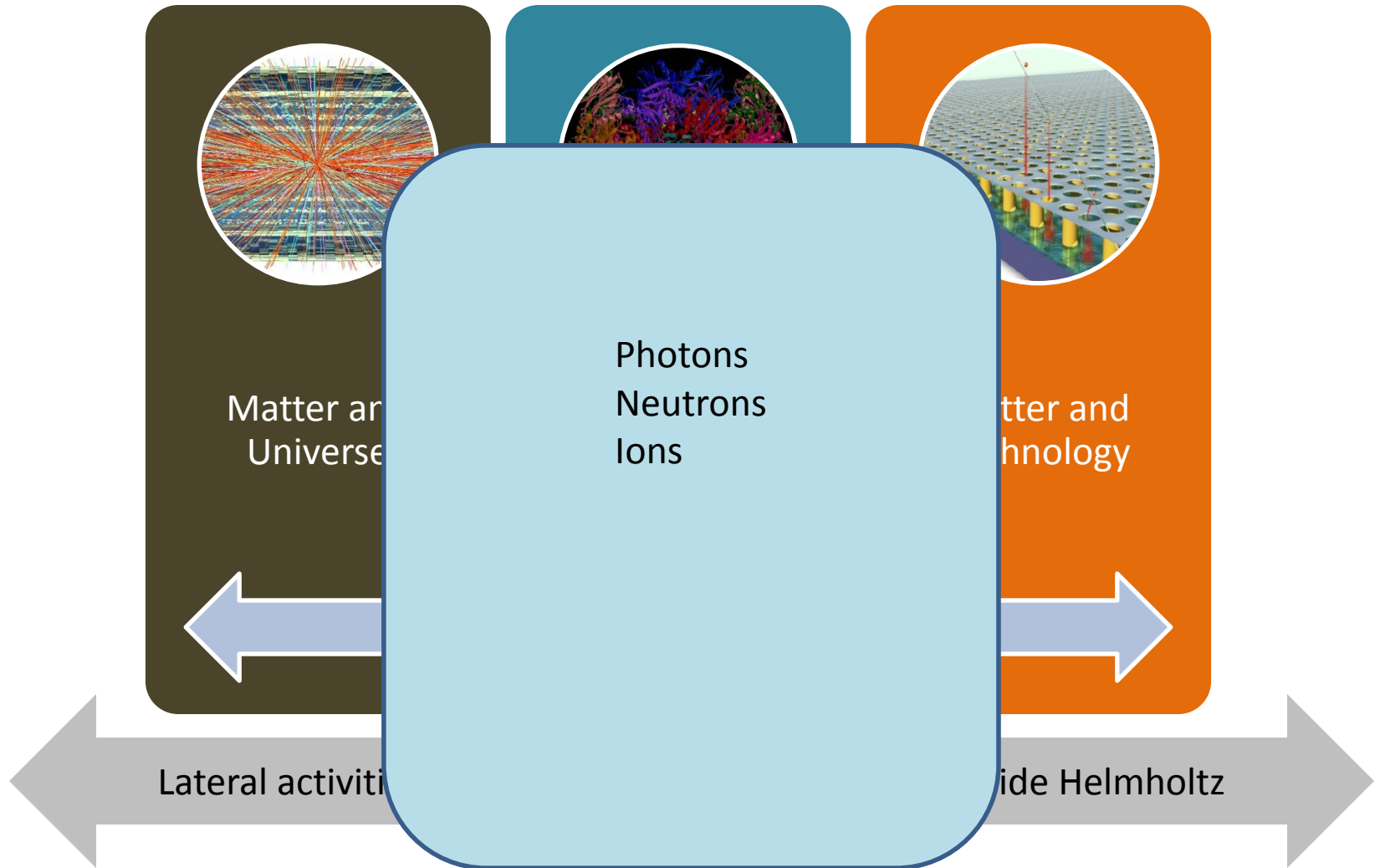
Matter



Matter



Matter



Matter



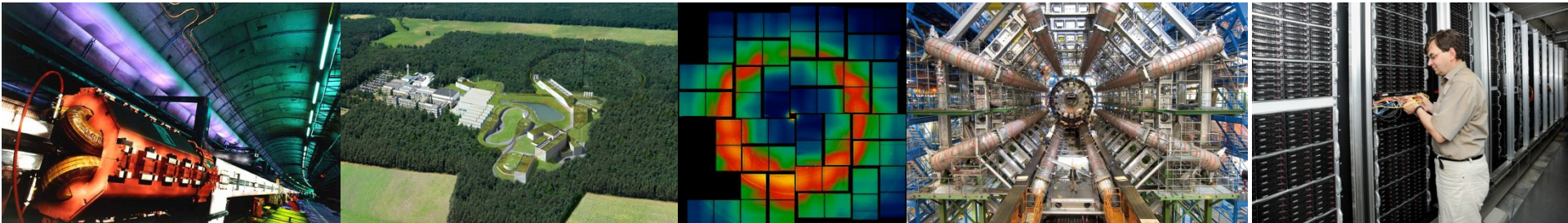
Matter and Technology

A new research program of the research area “Matter” in the Helmholtz Association

Accelerators

Detectors

Data Management



Basic Philosophy

“Matter” is fundamental science



Technology is fundamental for scientific discoveries

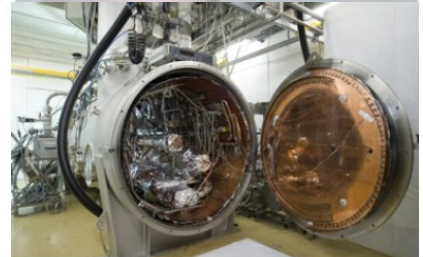
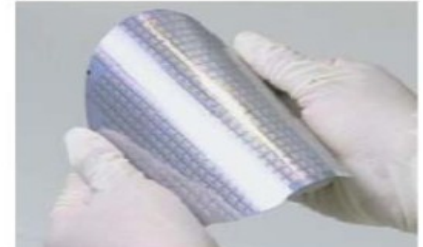


Matter and Technology wants to be a platform for fundamental developments in technologies

Driven by science
Useful for society

Technology is the motor of innovation and excellence

Fundamental research is one of the most efficient driving forces for new technologies



FT



Lateral tasks

Lateral tasks: research tasks or issues which are relevant to more than one program area, and who receive contributions from more than one program.

Lateral tasks will become increasingly important in POFIII

We need to understand how we can position the detector platform in this (we are well prepared with our own lateral task as part of the proposal)

Most probable:

- A few selected and visible projects which go beyond matter (e.g. health)
- An active and high profile activity to engage outside communities through communication and special events
- Have to make sure that the effort spent on lateral activities remains at a sensible level.

AIDA

Academia meets Industry: Solid-State Position Sensitive Detectors

26-27 March 2012 DESY, Hamburg, Germany



ORGANIZING COMMITTEE:

T. BEHNKE
M.-L. BOURGEOIS-SCHUTZ
C. BRANDT
S. FRAGISKOS
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H. HILLEMANN
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N. POTYLITSINA-KUBE
L. SERIN
S. STAVREV

The AIDA project is organizing an industry-academia matching event on Position Sensitive Solid-State devices and related technologies.

This event will review forefront developments in particle and photon sensing and provide key application areas. It will facilitate information exchange between academia and industry, fostering more R&D collaborations.

AIDA (Advanced European Infrastructures for Detectors at Accelerators) is co-funded by the European Commission within Framework Programme 7 Capacities, Grant Agreement 262025.

For more details: <http://cern.ch/aida>



An example of an outreach
“lateral event”

Academia meets industry

In the context of the European AIDA
program

We should look at this and possibly
connect to such activities in addition
to our own.

Accelerators: The complete Program

Topic
coordination

Superconducting RF technology

HZB
HZDR

Focused and coordinated activities start now (kickoff Summer 2011)

Concepts & technologies. for hadron accelerators

FZJ
GSI

Will grow over the next years

and evolve into part of the new program starting 2014

ps & fs electron and photon beams

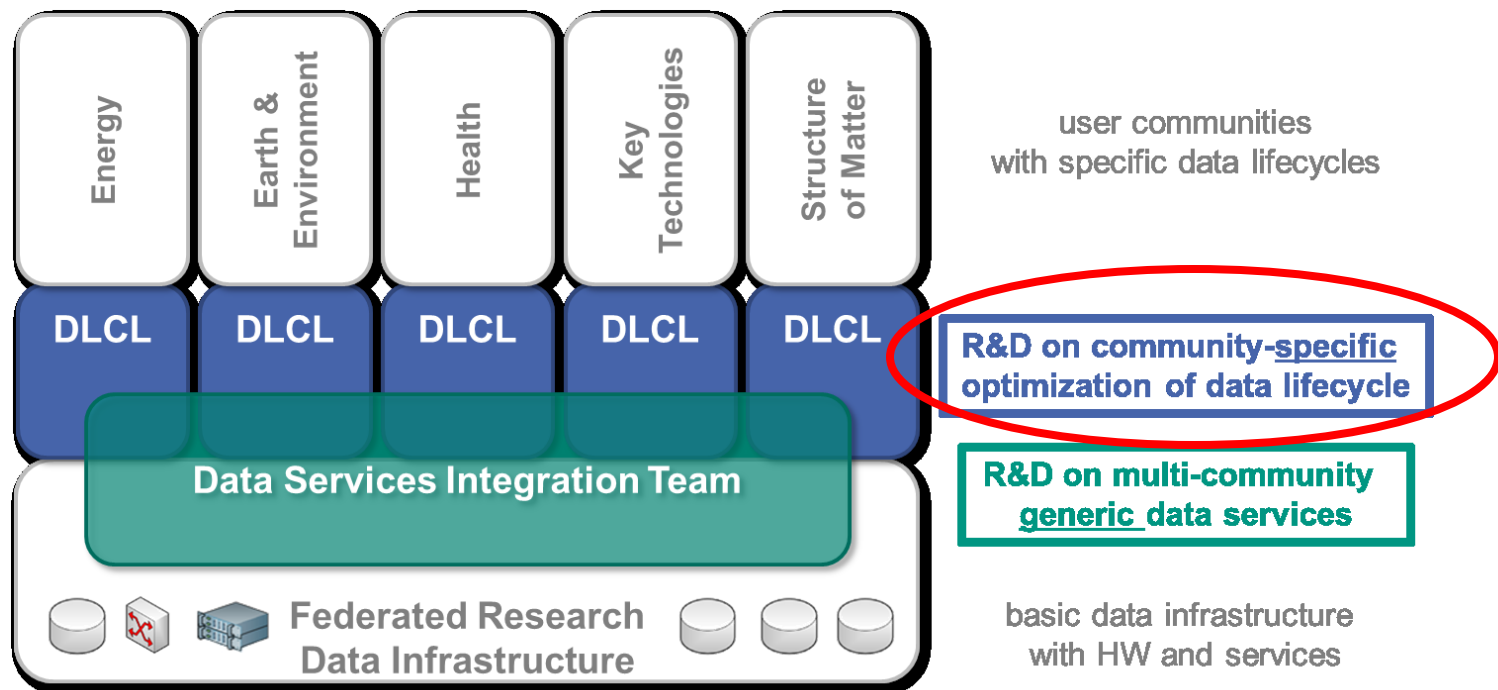
DESY
KIT

Novel acceleration concepts

DESY
HZDR

Data Management

Based on the approved portfolio topic “Large Scale Data Management and Analysis”



Novel approach for consolidated handling of scientific data life cycles in HGF through Data Life Cycle Labs (DLCL) and Data Services Integration Team (DSIT)

Detectors: The complete program

Topic
coordination

Technologies

DESY

Develop a focused, cutting-edge portfolio in detector science

Ultra-fast
communication

FZJ

To address the problems of the day after tomorrow

Detector systems

GSI

Provide an expert platform for the projects of today and tomorrow

Cross-sectional
Activities

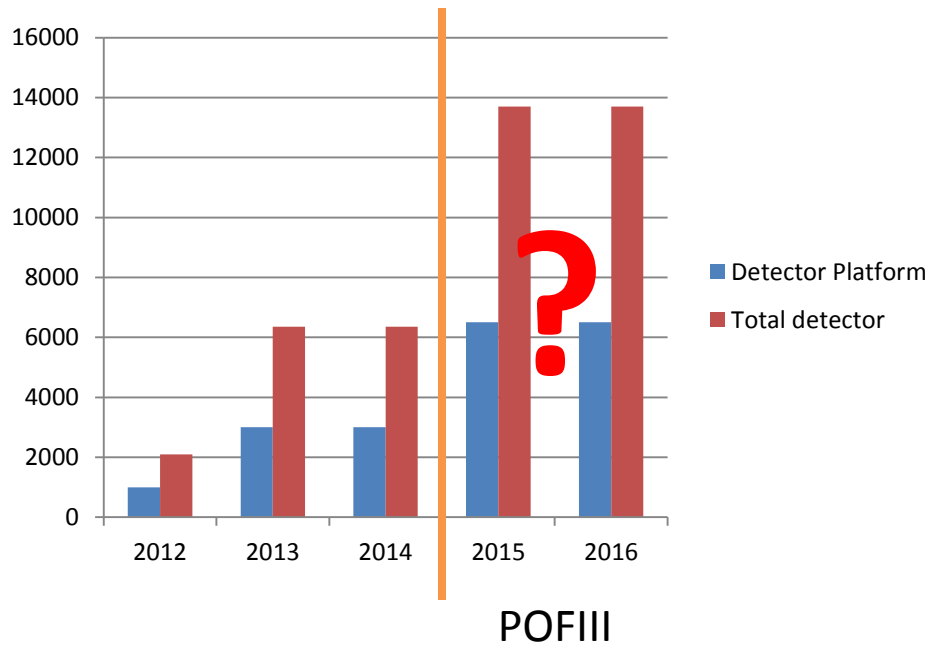
HZDR

Next Steps

- Fall 2012: prepare one page outline of the complete program
(1/3 page for detector part...)
- Main point of this is to find a sensible selection of referees
for the detector topic: proposals are very welcome.
- 2013: Prepare the actual POFIII proposal
- 2013/14: Evaluation and decision on funding etc. by Helmholtz
- 2015: POFIII starts

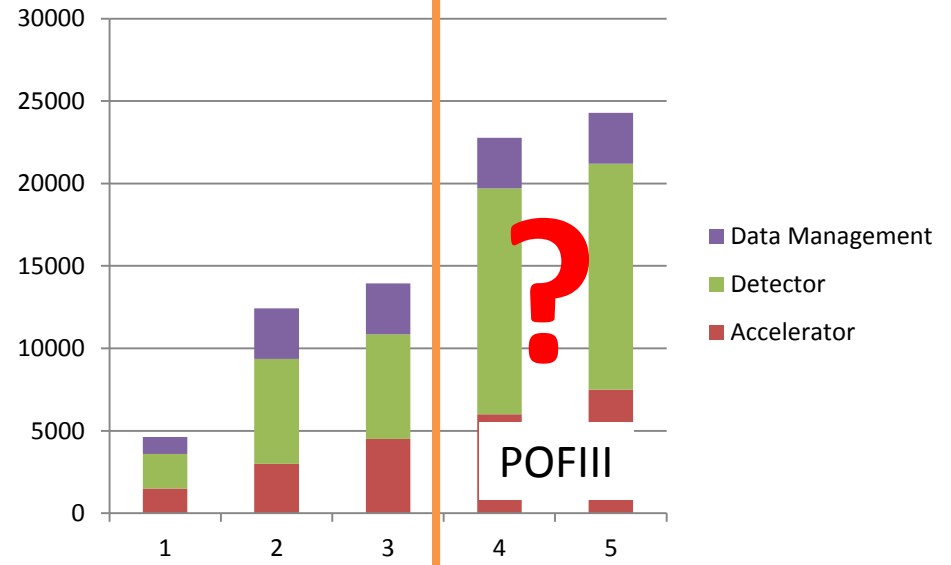
Anticipated budget

Note: these numbers are non-official, and at best preliminary, possibly wrong.



Current proposal for funding of the detector platform, Supplemented by own funding

Total budget of the technology program



We will have to move our complete budget (including own contribution) into the new program: This needs actions at each institute to make sure this happens.