What is Aspera

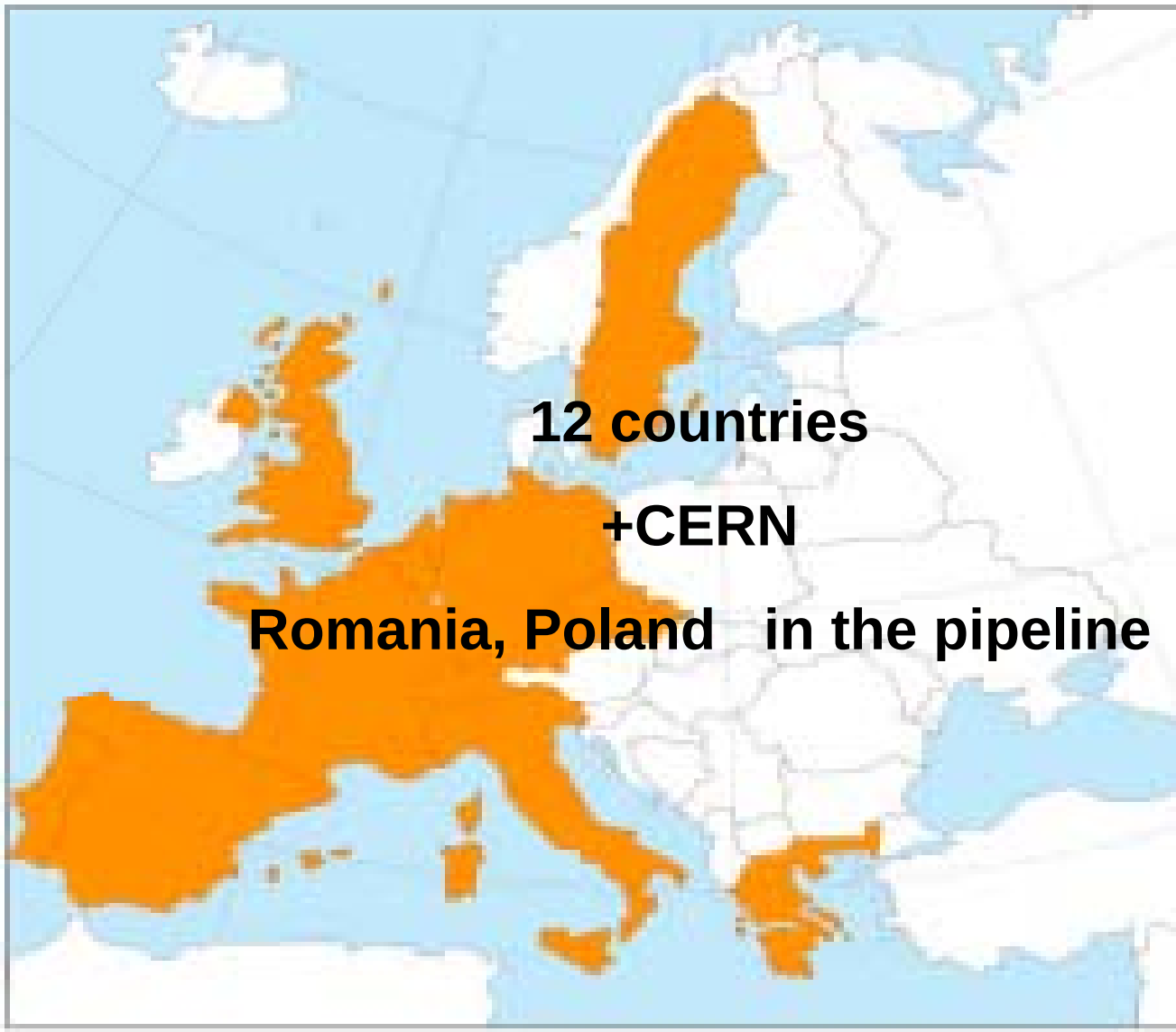
AStroparticle Physics European Coordination ERAnet

« Per aspera ad astra »

SPERA is a European network of
nal government agencies responsible
oordinating and funding research in
particle physics.

SPERA is funded by the European
mission at the level of 2.5 Million €
a three years period. It started in July
.

SPERA arises from the existence of
EC (Astroparticle Physics European
rdination).



www.aspera-

AstroParticle Physics European Coordination

PEC membership

- At the outset (2001) it comprised the national funding agencies of France, Germany, Italy, the Netherlands and the UK.
- Since then Spain, Belgium, Portugal, Greece, Switzerland and Poland have joined
- Aims to Continue to extend EU and Non-EU in Europe
- Eligibility: Funding Agencies (decision making body, having a national coordinating role)

PEC aims

- Promote and facilitate co-operation within the growing European Particle Astrophysics community
- Develop and promulgate long term strategies for European PA, offering advice to national funding agencies or institutions, ESF, and EC and other
- Assist in improving links and co-ordination between European PA and the scientific programmes of organisations such as CERN, ESA, and ESO
- Express their collective views on PA in appropriate

Operation

pPEC operates

- strategically through its Steering Committee
- operationally with the wider academic community through its Peer Review Committee

teering Committee (SC)

- France: M.Spiro, S.Katsanevas, J.Zinn-Zustin, Germany: T. Berghöfer, R.Köpke, H. Bluemer, Netherlands: F. Linde, H. Chang, UK: A. Coates, R.Wade , Italy: R. Petronzio B. Dettore, Spain: D. Espriu, A.Ferrer, Switzerland: M. Bourquin, Belgium: D. Bertrand, C. DeClerq, Portugal K. Gaspar Greece: D. Nanopoulos, CERN: D. Schlatter

eer Review Committee (PRC)

- Frank Avignone, Jose Bernabeu, Pierre Binetruy, Hans Bluemer, Karsten Danzmann, Franz v. Feilitzsch, Enrique Fernandez, Werner Hofmann, John Iliopoulos, Uli Katz, Paolo Lipari, Manel Martinez, Antonio Masiero, Benoit Mours, Francesco Ronga, Andre Rubbia, Subir Sarkar

> ASPERA objecti

termination of status of European research ding related to astroparticle.

finition of astroparticle physics roadmap.

nking of existing infrastructures (*Underground s, CT, GWA etc.)*, project new ones

plore the formal and legal possibilities of nsnational institutions in Europe *(along models ging from EGO and ESRF to CERN)*

plementation of new European-wide procedures the funding of large infrastructures.

mmon electronic infrastructures, outreach and

> ASP

organiz

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Chart Title

Governing Board

T. Baez, D. Bertrand, M. Bourquin, C. De Clercq, D. Espriu, P. O. Hulth, R. Koeple, F. Linde, I. Ridky, J. Seed, M. Spiro, R. Petronzio, M. Pimenta, D. Schlatter, I. Siotis, J. Zinn Zustin

Peer Review Comitee

F. Avignone, T. Berghoefer, J. Bernabeu, L. Bezrukov, J. Bluemer, K. Danzmann, E. Fernandez, W. Hofmann, J. Illiopoulos, U. Katz, P. Lipari, M. Martinez, A. Masiero, B. Mours, P. Binetruy A. Rubbia, S. Sarkar, G. Sigl, G. Smadja, N. Smith, C. Spering, A. Watson

Coordinator, Co-coordinator

S. Katsanevas, T. Berghoefer

Joint Secretariat

T. Berghoeger, C. Cavata, A. Coates, B. Dettore, A. Ferrer, J. Gillies, N. Olivier, D. Van Der Steenhover

WP1

Status in Research Funding

G. Van Der Steenhoven

WP2

Roadmap

A, Coates

WP3

European Wide Procedures

B. Dettore

W

Electronic In

Outreach,

T. Ber

e Governing Board (GB) responsible
management decisions of the
ork and for approval of all documents.

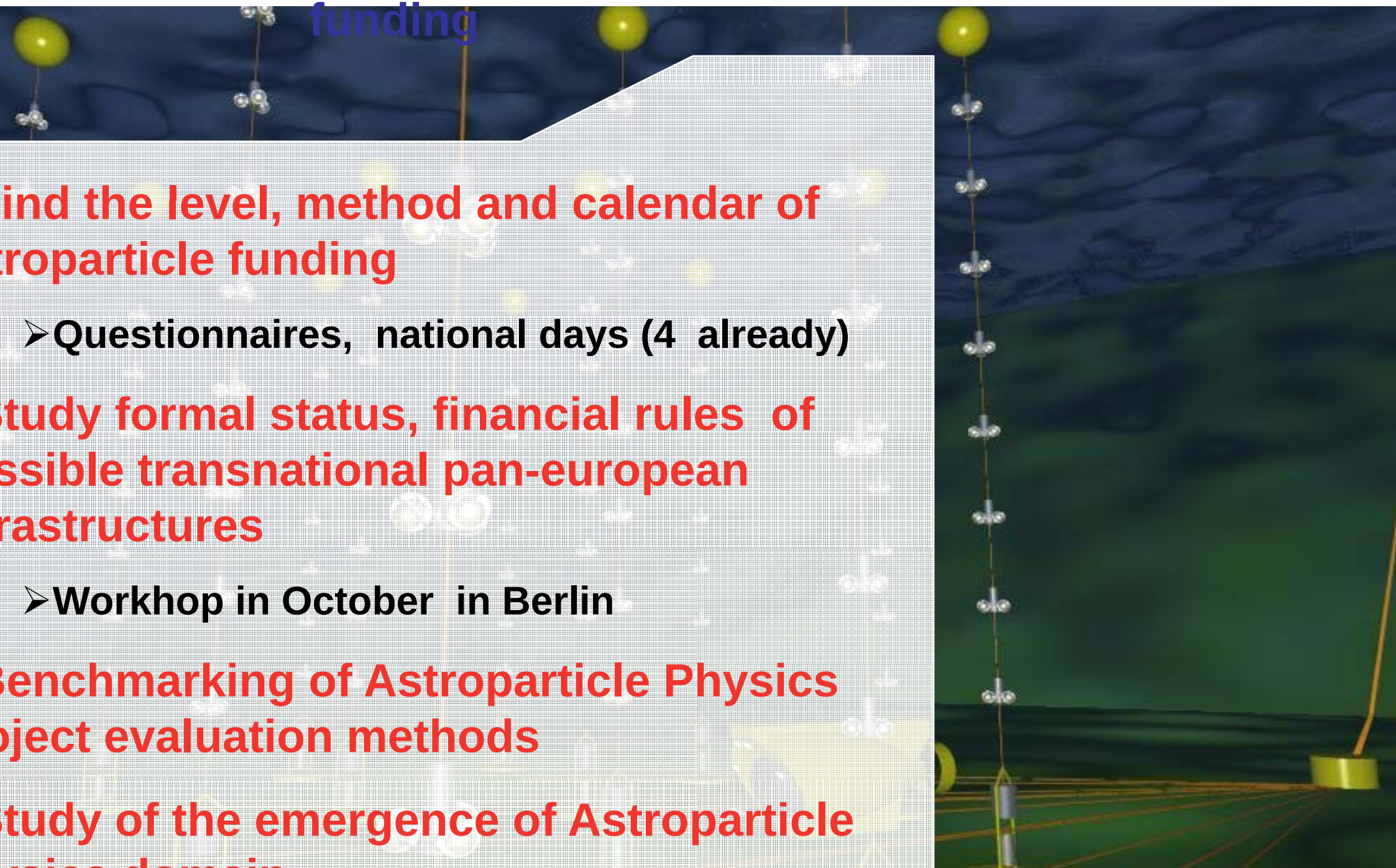
e Joint Secretariat (JS) assures the
o-day follow up of the program.

e Peer Review Committee (PRC)
nsible for the evaluation of the
ork's activities.

ASPERA above all is 10 young and enthousiastic liaiso

- Rob Van Der Meer Netherlands
- Carlos Pobes Spain
- Kim Dillmore UK
- Fausta Candigliotti Italy
- Nathalie Olivier France
- Didier Rouable France
- Severine Lebrun France
- Christine Ruelle Germany
- Laura Metzger Germany

> ASPERA 1st year: WP1 status of Astroparticle funding



ind the level, method and calendar of troparticle funding

- **Questionnaires, national days (4 already)**

tudy formal status, financial rules of ssible transnational pan-european rastructures

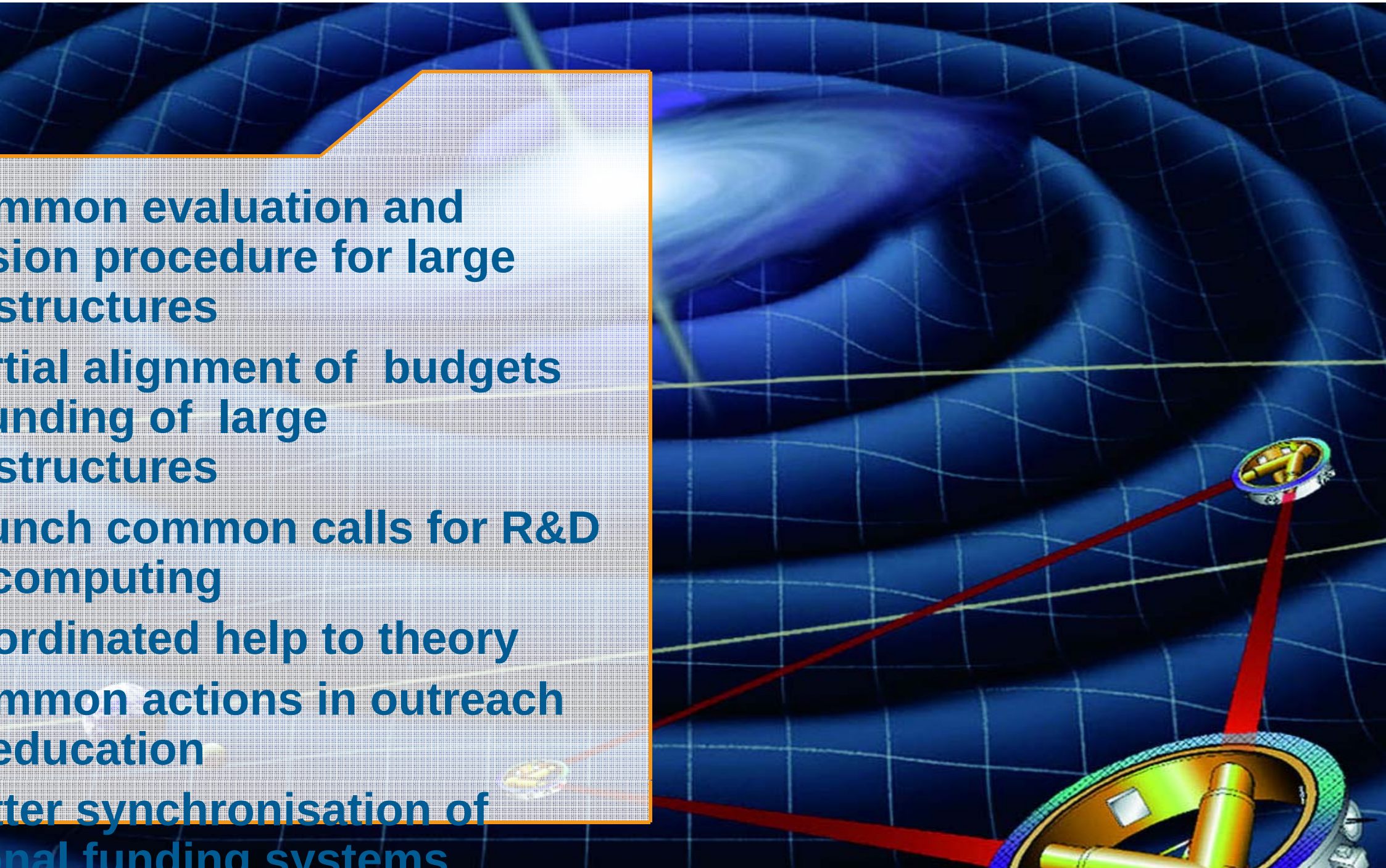
- **Workhop in October in Berlin**

Benchmarking of Astroparticle Physics oject evaluation methods

tudy of the emergence of Astroparticle

>ASPERA 1st year: WP2 roadm

- **Find milestones, budget and human resources of astroparticle projects**
  - **Questionnaires for 7 thematic groups**
- **Roadmap Workshops**
  - **Roadmap phase I the opportunities Valencia workshop,**
  - **Roadmap phase II the possibilties , Amsterdam workshop**
  - **Roadmap phase III, the priorities, in 2008**
- **Link Infrastructures**
  - **Speak with one voice in EU fora, ESFRI roadmap => WP3**
    - **Underground labs, Gravitational antennas, Cherenkov Telescopes,**
    - **Rôle of Particle Physics labs ?**



mmon evaluation and
sion procedure for large
structures

rtial alignment of budgets
unding of large
structures

unch common calls for R&D
computing

ordinated help to theory

mmon actions in outreach
education

tter synchronisation of
nal funding systems

> WP4 ASPERA communication t

Website
•Aspera-eu.org

European wide press releases

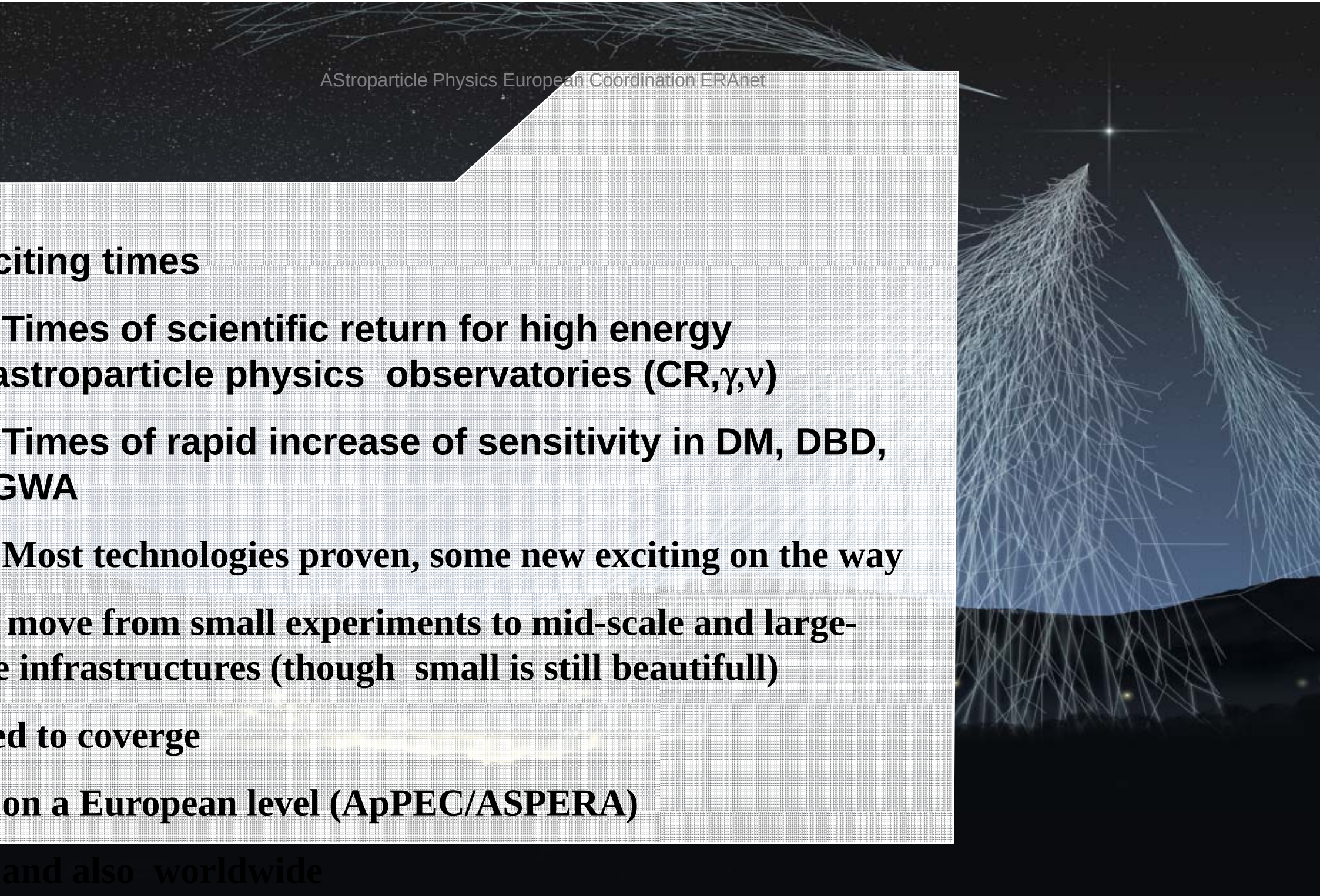
Monthly Newsletter

Exhibition

Database of projects

Collaborative space

Conclusions



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citing times

Times of scientific return for high energy
astroparticle physics observatories (CR,γ,ν)

Times of rapid increase of sensitivity in DM, DBD,
GWA

Most technologies proven, some new exciting on the way

move from small experiments to mid-scale and large-
e infrastructures (though small is still beautifull)

ed to coverge

on a European level (ApPEC/ASPERA)

and also worldwide

ASPERA is not an internal European affair, questions for the table

astroparticle infrastructures need worldwide coordination , and if what are the ways to proceed ?

site of deployment is always an important issue in Astroparticle astructures, it frequently implies national or regional interests. w was this dealt up to now, are there any ideas on how one should ceed in the future ?

at are the synergies that could be developed with other global ncies (NASA,ESA, CERN, ESO) , national particle physics labs .Fermilab, SLAC, Rutherford, Desy, Frascati,KEK) or astrophysics ervatories.

uld large astroparticle infrustructures participate in a global ribution of large projects or is it too early ?