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NuP-NET

Program ERA-NET dla fizyki
jądrowej w ramach FP7

Warszawa - 11 stycznia 2006
zebranie przedstawicieli PNPN

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Community Research & Development Information Service

Coordination of Research Activities

<http://www.cordis.lu/coordination/home.html>

Main objectives:

The objectives of Community action in this field is to contribute to the creation of the European Research Area by stimulating and supporting programme coordination and joint activities conducted at national or regional level, as well as among European organisations, and thus help to develop the common knowledge base necessary for the coherent development of policies. These activities may be in any scientific and technological area, including in the thematic priority areas.

Activities:

Coordination of national activities

- ◆ Networking of national or regional programmes (ERA-NET); Actors: Programme Managers; Open call for proposals 2002-2005; budget €148 million.
[More information on ERA-NET](#)
- ◆ Development of an integrated information system on national and regional research programmes programmes.
Actor: Commission

Coordination at European level

- ◆ Coordination and cooperation between Framework Programme and COST, EUREKA and other thematic international organisations (CERN, ESA, ESO, EMBL, ESRF, ILL etc.)

Home

Budget:

The indicative budget allocated to Coordination of Research Activities for the duration of FP6 is EUR 292 million.

This information service was last updated on 05-11-2005

ERA-NET: Networking of the European Research Area

ftp://ftp.cordis.lu/pub/coordination/docs/eranet_networking_art169_brochure_en.pdf

The creation of a **European Research Area (ERA)** was launched as a major strategic goal for Europe by European heads of state and government at the Lisbon Council in March 2000. Part of an overall agenda to make Europe the “most dynamic and competitive knowledge-based society in the world”, the aim of the ERA is to improve the coordination and coherence of European research.

Previous Framework Programmes have fostered co-operation of research actors at ‘project’ level by bringing together universities, research agencies and companies. The European research landscape as we know it today would be very different without this intensive cooperation between researchers. Under the Sixth Framework Programme (FP6), the first steps have been taken to progress on coordination and co-operation at programme level by networking national research programmes and bringing together managers of Ministries and funding agencies.

Our proposal for FP7 seeks to reinforce the ERA-NET scheme. We also propose the development of additional Article 169 initiatives in close collaboration with Member States, where large scale co-operation is required.

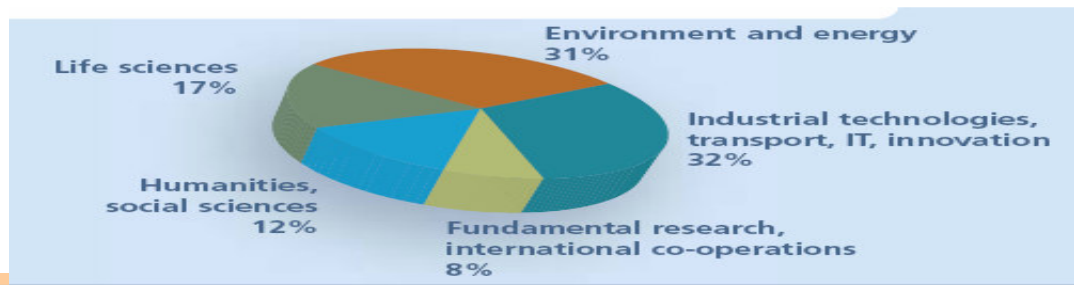
ERA-NET

A major element of the FP6 specific programme 'Integrating and strengthening the European Research Area', the ERA-NET scheme was designed to provide targeted support for the coordination and mutual opening of national and regional research programmes. It also aims at establishing long-term co-operation between national programmes, ultimately leading to joint transnational research programmes.

The ERA-NET scheme is based on a 'bottom-up' approach: it is open to all areas of research, even those not specifically covered by the EU Framework Programmes. The initiative therefore lies with the Member States. It espouses a step-by-step approach which allows the gradual development from exploratory actions to the establishment and implementation of joint research programmes.

An open call for ERA-NET proposals was published in December 2002, with a budget of €148 million. It is expected that by the end of FP6, some 75 ERA-NET projects will be up and running. The response has been very positive. The first ERA-NETs are already changing the landscape of European research in a wide range of fields. Some of them are in the process of launching the first joint transnational programmes and joint calls.

250 propozycji do FP6 – ok. 90 zaakceptowanych do finansowania



Complexity-NET	Fundamental Research – International Cooperation	3229 / SSA	Developing ERA-NET on Complexity	1
EPDAMS	Fundamental Research – International Cooperation	510198 / SSA	European Postdoctoral awards in the Mathematical sciences	1
ERA-CHEMISTRY	Fundamental Research – International Cooperation	510192 / CA	Implementation of Joint Bottom-up European Programmes in Chemistry	1
EURYI	Fundamental Research – International Cooperation	510191 / CA	European Young Investigators Awards	1
PENCE	Fundamental Research – International Cooperation	510252 / SSA	Pan-European Network of Chemists for the ERA	1
VIR-EID-HYPERNET	Fundamental Research – International Cooperation	510212 / CA	virtual European Institute of Diffraction HYPERNET	1
Complexity-NET	Fundamental Research – International Cooperation	11810 / SSA	Developing ERA-NET on Complexity	2
CORE Organic	Fundamental Research – International Cooperation	11716 / CA	Coordination of European Transnational Research in Organic Food and Farming	2
EU-SEC	Fundamental Research – International Cooperation	11823 / CA	COORDINATING NATIONAL RESEARCH PROGRAMMES ON SECURITY DURING MAJOR EVENTS IN EUROPE	2
CO-REACH	Fundamental Research – International Cooperation	16185 / CA	Co-ordination of Research between Europe and China	3
ERA-ARD	Fundamental Research – International Cooperation	517837 / CA	The Agricultural Research for Development (ARD) dimension of the European Research Area (ERA)	3
MATHkey-NET	Fundamental Research – International Cooperation	16164 / SSA	Developing ERA-NET on Mathematics, as a key technology for science	3
ASPERA	Fundamental Research – International Cooperation	26087 / CA	AstroParticle ERA net	4
ASTRONET	Fundamental Research – International Cooperation	26075 / CA	Coordinating Strategic Planning for European Astronomy	4

Znowu nie ma fizyki jądrowej!



ERA-NET

Perspectives for the future

In the Commission proposal, the Seventh EU Framework Programme for Research (FP7) would run for a period of seven years (2007-2013). Supporting greater coordination of national research programmes is an even higher priority than in FP6. The actions coordinating national and regional research programmes under FP6 provided a significant impulse to the building of the ERA. This has raised the ambition to have these actions reinforced and extended under FP7.

ERA-NET

Given its considerable success in FP6, the Commission is proposing to continue and to expand the ERA-NET scheme. Existing projects will be encouraged to go further and ERA-NET consortia could be enlarged to include new partners.

The participation of national and regional ministries, who are in the process of preparing research programmes in a particular field, will also be encouraged to anticipate in the ERA-NET Scheme, even if their programme is not fully developed at the time of submitting a proposal. The aim is to encourage less present countries, in particular the new and future Member States, to participate actively in the development of the ERA by joining ERA-NET projects. This should help stimulate the exchange of information and foster potential future transnational programme co-operation with these countries.

ERA-NET PLUS

In addition, a new element of the ERA-NET scheme is being proposed under FP7. Called the ERA-NET 'Plus' module, its objective is to encourage the pooling of funds in joint calls from national programmes on a call-by-call basis. The Commission will support this pooling of funds by providing a 'top-up' contribution to transnational calls for proposals organised jointly by the programmes participating in the ERA-NET. Through this new mechanism, the Commission could provide up to an additional 25%-30% of the total of national contributions.

ERA-NET Preparation Meeting , May 27, 2005, Collège de France, Paris

Draft Minutes (June 6, 2005)

The discussion during and after the presentations given by M.N. Harakeh, J.-L- Picqué and S. Galès (see also http://www.nupecc.org/Paris_May2005) led to the unanimous decision that an **ERA-NET for nuclear physics should be proposed**. The participants need not to be restricted to the eligible organisations in the countries being present (France, Germany, Italy, UK). NuPECC should be included as an Associated Member and act as advisory body. The successful proposal of ASTRONET could be used as a model and adjusted for nuclear physics. The following actions need to be taken:

- S. Galès will send a copy of the ASTRONET proposal to the participants.
- **M.N. Harakeh and G.-E. Körner will inform the NuPECC Members and ask them to contact their respective funding agencies concerning their possible participation and commitment in terms of time and money**
- S. Galès, M.N. Harakeh, G. Fortuna, B. Fulton and W. Henning will write down a short definition of the actions foreseen within an ERA-NET to coordinate programmes in nuclear physics in Europe

This proposal should be considered as a training ground for an “ERA-NET PLUS” or “Article 169” application in FP7. In view of the timescale for FP6 and FP7, the full range of 5 years and 3 M€ for ERA-NET should be considerably reduced.

The relevant deadlines are

- September 4, 2005, for the pre-proposal Check
- October 4, 2005, for the proposal

A Writing Committee is appointed; the members are S. Galès, A. Bracco, P. Butler, D. Müller, B. Pedeux-Richard, J. Wambach and G.-E. Körner.

- (8.2005) Prof. J. Styczeń (NuPPEC member) skontaktował się z MNil (dr Jacek Gierlinski)
- (9.2005) MNil wyznaczyło IFJ PAN do koordynowania polskiego udziału w ERA-NET
- (9.2005) Dyrektor IFJ PAN wyznaczył A. Maja do zajęcia się tą sprawą
- (9.2005) J. Styczeń poinformował S. Gales'a że tych ustaleniach:

Dear Sydney,

As I mentioned, my institute is mandated by the Ministry of Science and Informatics to coordinate the ERA-NET for nuclear science.

The person responsible for preparation the project is:

prof. Adam MAJ, tel. (+48 12) 662 8141, IFJ PAN, ul. Radzikowskiego 152, 31-342 Krakow

Best wishes Jan

- (10.2005) S. Gales poinformował nas że nie będzie wystąpienie do FP6, ale do FP7
- (12.2005) Informacja od M.N. Harakeh:

Dear Adam,.

The situation with the ERA-NET as you have indicated is clear in the sense that a submission, which should have taken place on 4 October 2005 under FP6, was postponed and now the community is aiming for a submission within FP7.

Let me clarify a few things that happened. As you may know ERA-NET is not an initiative of NuPECC. - By the way, I am not the Chairman of NuPECC since 1 January 2006. The Chairman is now Brian Fulton. - The ERA-NET initiative was started by IN2P3, of course, supported by NuPECC. An ERA-NET initiative can only be made by a national funding agency together with other such official entities.. Sydney Gales took it upon himself to submit the ERA-NET. We had a meeting in Paris on 27 May 2005 to discuss with the funding agencies and the European Commission the application for ERA-NET. It was already clear for us then that **this network is an action of the funding agencies, ministries and/or departments who are legal entities and finance nuclear physics research in Europe**. Therefore, the funding agencies of a few countries were invited. Later, Sydney tried to contact all funding agencies in Europe and I understood from him that the response was low and late, so that a good application could not be prepared.

An important thing to do is to get in contact with your funding agency that could participate in ERA-NET and ask them what they intend to do. It would, of course, be nice if they delegate the preparation of such an application to you. This, of course, should be broadly supported by colleagues in Poland. The next step is to contact Sydney Gales and inform of your step, the willingness of the Polish funding agency and the nuclear physics community to participate in ERA-NET and **offer to help in the writing of the application**.

I wish you success with your efforts. Best regards, Muhsin N. Harakeh

• (1.2006) Informacja od Sydneya Galesa:

Dear Adam

Happy new year .please find a very incomplete proposal for ERANET .This has to be discussed again .I will try to organize the work with a meeting end of February and we will consult to have you (if you want) part of the writing committe. I will keep you informed

All the best for 2006

Sydney

STARTPAGE

Coordination of National and Regional Activities
(ERA-NET scheme)

CONTINUOUSLY OPEN CALL

COORDINATION ACTION (CA) PROPOSAL

PART B

“NuPNET”

Please express your wishes and suggestions about the name of the ERANET

List of participants (coordinator first)

No.	Participant Name	Short Name	Country
1	Centre National de la Recherche Scientifique	CNRS/IN2P3	France
2	The Engineering and Physical Sciences Research Council	EPSRC	United Kingdom
3	Commissariat à l'Énergie Atomique	CEA	France
4	Instituto Nazionale di Fisica Nucleare	INFN	Italy
5	Bundesministerium für Bildung und Forschung	BMBF	Germany
6	Fonds National de la Recherche Scientifique (PaulHenri Heen)	FNRS/ FWO V	Belgium
7	Ministry of education, youth and Sports		Czech Republic
8	Czech Science Foundation		Czech Republic
9	Academy of Sciences		Czech Republic
10	General Secretariat for Research and Technology (Demokritos)	GSRT	Greece
11	Ministerstwo Nauki i Informatyzacji/IFJ	IFJ	Poland
12			
13			

The objectives and the role of the project in the improvement of the existing scattered funding

FULTON :

Nuclear physics research is an international endeavour and trans-national activity is the norm. Within Europe the challenge is to merge the national programmes to create a stronger and more cohesive research activity which is truly European in scope. To achieve this, **two conditions are required.**

Firstly, an independent **assessment** must be made **of the field**, highlighting the growth areas and identifying the key technical and instrument developments that are required to address these.

Secondly, the current funding procedures, where groups are funded by separate national funding agencies that reflect national priorities, **has to be given a strategic direction to align the national decisions to the common goals.**

Europe is fortunate that the first of these conditions is already covered. NuPECC (Nuclear Physics European Collaboration Committee), an Expert Committee of the ESF (European Science Foundation), plays a crucial role in providing independent views on the direction of nuclear physics within Europe, in the form of periodic Forward Looks. Over a number of years, NuPECC has gained the respect of the European nuclear physics community, and its authority is now recognised by the Commission, the national Funding Agencies and, most recently, by ESFRI (European Strategic Forum for Research Infrastructures).

What is required now is that Europe puts in place a mechanism to meet the second condition, **the effective co-ordination of national funding procedures** to meet the common agreed priorities. **This ERA-Net proposal aims to meet this challenge.**

Pierwsze zebranie Komisji Fizyki Jadrowej Rady d/s Atomistyki PAA

27 października 2005, IFJ PAN Krakow

Obecni:

Prof. dr hab. Zbigniew Majka (ZM),
Prof. dr hab. Jerzy Jastrzebski (JJ),
Prof. dr hab. Tomasz Matulewicz (TM),
Prof. dr hab. Jan Styczen (JS) - przewodniczący,
Prof. dr hab. Krzysztof Pomorski (KP),
doc. dr hab. Adam Maj (AM) - protokolant.

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4. ERA NET; polski udział w przygotowaniu projektu w PR7

- JS wyjasnil jak doszlo do tego, ze IFJ PAN zostal zaproponowany jako instytucja koordynujaca zaangażowanie polskiej fizyki jadrowej w ERA NET oraz ze utworzeniem polskiego zespolu piszacego polskie wystapienie mial sie zajac AM; oraz dlaczego nie doszlo wystapienia jeszcze do PR6.
- Dyskutowano, na czym w zasadzie polega ERA Net:
- ZM - dofinansowanie narodowych infrastruktur badawczych,
- JJ, JS i AM - europejska koordynacja narodowych struktur
- AM - jako przyklad wystapienie srodowiska astrofizykw ASTRONET
- ZM - fizyka hadronowa wystepuje z oddzielnym projektem
- JJ zaproponowal zeby AM przygotowal referat wyjasniajacy co to jest ERANET i przedstawil na najblizszym zebraniu PNP
- JS i JJ zaproponowali zeby AM nieformalnie koordynowal stworzeniem komitetu przygotowujacego projekt i samym przygotowaniem takiego projektu, zas formalnie bylby zatwierdzony na posiedzeniu PNP
- AM wyrazil zgode na swoje tymczasowe zaangażowanie, tj. do czasu zebrania PNP i wyboru oficjalnego koordynatora

Kwestie do dyskusji:

1. Czy Polska powinna być w NuPNET? - moim zdaniem **TAK**
2. Czy powinniśmy mieć przedstawiciela we „Writing Committe”?
3. Kto ma nim być?
4. Czy ten przedstawiciel powinien mieć wsparcie kilku osób reprezentujących różne tematyki Polskiej Fizyki Jądrowej