

Strategic Programmes - Tools for Financing Research and Development in Poland

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NCRD's Council

- one of three authorities of NCRD
- advisory and opinion-forming body
- the Council comprises of 30 representatives:
 - 10 of scientific communities,
 - 10 of business and financial communities,
 - 10 of public administration
- within the Council four commission are working:
 - the commission for the strategic programmes
 - the commission for other programmes
 - the financial commission
 - the appeals commission

Tasks of the NCRD's Council

- **initiates and prepares drafts of strategic interdisciplinary R&D programmes in accordance with the National Research Programme to be approved by the Minister**
- provides advice on annual financial plans and operation plans
- voices opinions on the most important issues tackled by the Centre

National Research Programme

- adopted by way of resolution of the Council of Ministers dated 16 August 2011
- **formulates the strategic directions for research & development (R&D)**
- **sets the goals and guidelines** for the science & technology and innovation policy of the state, in line with European and global standards

Long-term goals (10-15 years)

- used by the NCRD Council to prepare strategic R&D programmes

National Research Programme

1. New energy-related technologies

- development of modern, efficient and environmentally safe energy technologies,
- transformation of the Polish energy sector into a **sustainable, low-emission, environmentally friendly system** based on **diversified energy sources** and benefiting from increased energy efficiency,
- transition to a green economy.

2. Diseases of affluence, new medicines and regenerative medicine

-> STRATEGMED

- diseases of affluence as the greatest health threat for Poland's population in the nearest future,
- research, identification of high-risk groups, population-targeted intervention, detection of the diseases at earlier stages,

National Research Programme

3. Advanced information, telecommunications and mechatronic technologies

- economic growth driven by information resources and the possibilities of their processing,
- **growth of ICT-related sectors** in terms of their economic value, and their contribution to increase in the productivity of economy.

4. New materials technologies -> **TECHMATSTRATEG (in preparation)**

- products and materials with new and improved properties and applications
- implementation of new technologies and techniques to improve Poland's security and living standards, as well as the competitiveness of Polish industry
- nanotechnologies

National Research Programme

5. Natural environment, agriculture and forestry -> **BIOSTRATEG**

- problems related to the state of the natural environment and rivalry for natural resources,
- environmental protection and management, rational use of natural resources, principle of sustainable development.

6. Poland's social and economic development in the context of globalising markets

- Building a modern economy, based on knowledge, facing difficult global challenges and exposed to high instability and risk

7. State security and defence

- Ensuring independence and inviolability of Poland's territory and security of Polish citizens
- Ensuring an adequate level of security and defence is a pre-condition for economic, social and cultural development of the state

Stages of the formation of the strategic programme (1)

1. Initiating the programme

- ☐ **Selection of a strategic direction** from the National Research Programme (The NCRD Council passes a resolution about it)
- ☐ **Defining the areas** of the program (based on the NRP)
- ☐ **Asking for experts** in the areas of the program:
 - ☐ *the Polish Academy of Sciences,*
 - ☐ *the Conference of Rectors of Academic Schools in Poland,*
 - ☐ *the Main Council of Research Institutes,*
 - ☐ *relevant Ministers,*
 - ☐ *relevant chambers of Commerce*

Stages of the formation of the strategic programme (2)

- ❑ **Experts** prepare:
 - ❑ *diagnosis of **current state of art of** (science and economy);*
 - ❑ *propose **the scope of the program** and*
 - ❑ *define **objectives** of the programme.*
- ❑ The commission for strategic programmes prepares **detailed „Assumptions of the programme“**
- ❑ **The NCRD Council approves the Assumptions (a resolution)**

Stages of the formation of the strategic programme (3)

2. Preparing the Draft of the programme

- The Commission for SP develops the Draft of the programme on the basis of the Assumptions.
- External experts evaluate the Draft of the programme (**evaluation ex-ante**)
- The Commission for SP corrects the Draft of the programme
- The NCRD Council approves the Draft of the programme (resolution)

3. Accepting the programme

- Minister of Science and Higher Education approves the Draft of the programme

Stages of the formation of the strategic programme (4)

4. Implementing the programme

- Director of the NCRD creates **Steering Committee**
 - The Council designated two members of the Committee
- Director announces a call and appoints **Coordinator** of the programme
- **Coordinator** prepares Schedule of realisation of the programme
- **Steering Committee** approves the Schedule, determines the scope of of next calls and budget allocation
- NCRD launches the call

Criteria for applicants

- **Proposals shall be submitted by a research consortium**, within the meaning of the Act on the Financing of Science 30 April 2010 (Journal of Laws no. 96, item 615, as amended), consisting of at least five entities, including:
 - **at least one research entity** (a non-entrepreneur) and **at least one entrepreneur** within the meaning of Art. 1 in Annex I to Commission Regulation (EC) No. 800/2008 dated 6 August 2008
- or
- **(at least two research entities** or other organizational entities such as: regional authorities or medical entities.)

"Prevention & Treatment of Modern-age Diseases" - STRATEGMED



Objective: to achieve significant progress in the treatment of modern-age diseases and regenerative medicine on the basis of results achieved from research and development activities conducted in the following areas: **Cardiology and cardiac surgery, Oncology, Neurology and senses Regenerative medicine**

The specific objectives of the program:

- 1) A significant increase international position of Poland** in research and development in the disciplines covered by the program.
- 2) Transfer of know-how and new technologies** in prevention, diagnosis, treatment and rehabilitation from Polish scientific institutions (public research organizations) to the economy
- 3) Creating dynamic young research international teams** with high international position.

1st call (Budget allocation: **360 M PLN; 16 projects to be funded**)

2nd call (Budget allocation: **220 M PLN → ongoing**)

„Environment, agriculture and forestry”

- BIOSTRATEG



- **Objective:** to achieve significant progress in the development of knowledge and implementation of innovative technologies in the following areas:
 - Food safety and food security
 - **Rational management of natural resources** with particular consideration of **water management**
 - **Counteraction and adaptation to the climate change**, with particular consideration of farming
 - **Protection of biodiversity** and the sustainable development of the agricultural production space
 - Forestry and wood industry

1st call

- Budget allocation: **150 M PLN**
- ongoing

„New materials technologies” - TECHMATSTRATEG

New – the draft of the programme **under evaluation!**

Objective: to achieve significant progress in the development of knowledge and implementation of innovative technologies, and to strengthen global scientific position of Poland, in the following areas:

- Construction materials technologies
- Photonic and nanoelectronic materials technologies
- Functional materials and materials with designed properties
- Non-waste materials technologies and biodegradable materials engineering
- Materials for storage and transmission of energy

Thank you!

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