

Нанотехнологии, нанонауки,  
материалы и новые  
производственные процессы:  
обзор конкурсов

*Сергей Гапоненко,  
Институт физики им. Б.И.Степанова  
НАН Беларуси*

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**Nanosciences, Nanotechnologies, Materials and new Production Technologies - NMP** ([back to top](#))

**Call for proposals**

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Call Identifier	Call Title	Publication Date	Deadline
<a href="#">FP7-ERANET-2012-RTD</a>	ERA-NET Call 2012	2011-07-20	2012-02-28
<a href="#">FP7-NMP-2012-CSA-6</a>	Theme 4 – NMP - Nanosciences, Nanotechnologies, Materials and new Production Technologies – CSAs 2012	2011-07-20	2012-01-24
<a href="#">FP7-2012-GC-MATERIALS</a>	Materials for Green Cars - 2012	2011-07-20	2011-12-01
<a href="#">FP7-2012-NMP-ENV-ENERGY-ICT-EeB</a>	"Energy-efficient Buildings" - 2012	2011-07-20	2011-12-01
<a href="#">FP7-2012-NMP-ICT-FoF</a>	"Factories of the Future" - 2012	2011-07-20	2011-12-01
<a href="#">FP7-NMP-2012-SME-6</a>	Theme 4 – NMP - Nanosciences, Nanotechnologies, Materials and new Production Technologies – SMEs 2012	2011-07-20	2011-11-08
<a href="#">FP7-NMP-2012-LARGE-6</a>	Theme 4 – NMP - Nanosciences, Nanotechnologies, Materials and new Production Technologies – LARGE 2012	2011-07-20	2011-11-08
<a href="#">FP7-NMP-2012-SMALL-6</a>	Theme 4 – NMP - Nanosciences, Nanotechnologies, Materials and new Production Technologies – SMALL 2012	2011-07-20	2011-11-08

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## ERA-NET Call 2012

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**Identifier:** FP7-ERANET-2012-RTD

**Publication Date:** 20 July 2011

**Budget:** € 38 500 000

**Deadline:** 28 February 2012 at 17:00:00 (Brussels local time)

**OJ Reference:** [OJ C213 of 20 July 2011](#)

**Specific Programme(s):** COOPERATION

**Theme(s):** Socio-economic sciences and Humanities ; Transport (including Aeronautics and Space), Nanotechnologies, Materials and new Production Technologies - NMP ; Food, Agriculture, Fisheries and Aquaculture

### Additional information

**A Pre-Proposal Check (PPC)** service is available (see form in Additional documents) under the FP7 joint call. This service allows a proposer to check on the appropriateness of a consortium.

Загружаемый документ

Call Fiche FP7-ERANET-2012-RTD\_EN.pdf

*Table 1 – Overview of Thematic Coordination Actions in FP7-ERANET-2012 -RTD*

*Funding Scheme: Coordination and Support Actions (Coordinating Actions)*

<b>Challenge/Activity/ Area</b>	<b>Topic identifier</b>	<b>TITLE</b>	<b>Indicative budget (EUR million)</b>
NMP 4.1 Nanosciences and Nanotechnologies	NMP.2012.1.2-3	ERA-NET on nano- medicine	1.5

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## Theme 4 – NMP - Nanosciences, Nanotechnologies, Materials and new Production Technologies – CSAs 2012

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**Identifier:** [FP7-NMP-2012-CSA-6](#)

**Publication Date:** 20 July 2011

**Budget:** € 10 500 000

**Deadline:** 24 January 2012 at 17:00:00 (Brussels local time)

**OJ Reference:** [OJ C213 of 20 July 2011](#)

**Specific Programme(s):** COOPERATION

**Theme(s):** Nanosciences, Nanotechnologies, Materials and new Production Technologies - NMP

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Activity/ Area	Topics called	Funding Schemes
Cross-cutting and enabling R&D	<b>NMP.2012.1.4-4 Evaluation of EC communication and dialogue on research and innovation in nanotechnologies and design of future needs for the EU (industry and society) – supporting actions</b>	<i>Coordination and Support Actions</i>
	<b>NMP.2012.1.4-5 Improving education in nanotechnologies to match the skill needs of EU industry and society – supporting actions</b>	
Structuring actions	<b>NMP.2012.2.3-1 Networking of ETPs and main materials collective stakeholders in materials science and engineering – coordinating actions</b>	
Integration	<b>NMP.2012.4.0-2 Support for standardisation needs – supporting actions</b>	
	<b>NMP.2012.4.0-4 Organisation of events related to the Presidencies of the European Union – supporting actions</b>	
Raw materials	<b>NMP.2012.4.1-4 Substitution of critical raw materials: networking, specifying R&amp;D needs and priorities – supporting actions</b>	

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**Materials for Green Cars - 2012**

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**Identifier:** FP7-2012-GC-MATERIALS

**Publication Date:** 20 July 2011

**Budget:** € 35 000 000

**Deadline:** 01 December 2011 at 17:00:00 (Brussels local time)

**OJ Reference:** OJ C213 of 20 July 2011


**Specific Programme(s):** COOPERATION

**Theme(s):** Transport (including Aeronautics) ; Nanosciences, Nanotechnologies, Materials and new Production Technologies - NMP ; Environment (including Climate Change)

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**Call title: FP7-2012-MATERIALS FOR GREEN CARS**

- **Call identifier:** *FP7-2012-GC-MATERIALS*
- **Date of publication:** 20 July 2011
- **Deadline:** 1 December 2011<sup>1</sup> at 17.00.00 (Brussels local time).
- **Indicative budget**<sup>2 3</sup>: EUR 35 million from the 2012 budget of which:
  - EUR 20 million from Theme 4 – Nanosciences, nanotechnologies, materials and new production technologies (NMP)
  - EUR 5 million from Theme 6 – Environment (including Climate Change)
  - EUR 10 million from Theme 7 – Transport (including Aeronautics).

Activity/ Area	Topics called	Funding Schemes	Budget Million EUR
<b>GC.NMP.2012-1</b>	Innovative automotive electrochemical storage applications based on nanotechnology	<u>Collaborative Projects</u> (Small or medium-scale focused research project)	10
<b>GC.NMP.2012-2</b>	Innovative advanced lightweight materials for the next generation of environmentally-friendly electric vehicles	<u>Collaborative Projects</u> (Large-scale projects)	25
<b>GC.SST.2012.1-1</b>			
<b>GC.ENV.2012-6.6-3</b>			

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### "Energy-efficient Buildings" - 2012

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**Identifier:** FP7-2012-NMP-ENV-ENERGY-ICT-EeB  
**Publication Date:** 20 July 2011  
**Budget:** € 140 000 000  
**Deadline:** 01 December 2011 at 17:00:00 (Brussels local time)  
**OJ Reference:** [OJ C213 of 20 July 2011](#)  
**Specific Programme(s):** COOPERATION  
**Theme(s):** Energy ; Nanosciences, Nanotechnologies, Materials and new Production Technologies - NMP ; Information and Communication Technologies ; Environment (including Climate Change)

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<b>Activity/ Area</b>	<b>Topics called</b>	<b>Funding Schemes</b>	<b>Budget (Million EUR)</b>
<b>NMP – Nanosciences, nanotechnologies, Materials and new Production</b>			
<b>EeB.NMP.2012-1</b>	Interaction and integration between buildings, grids, heating and cooling networks, and energy storage and energy generation systems	Collaborative Projects (Large-scale projects)	70
<b>EeB.NMP.2012-2</b>	Systemic Approach for retrofitting existing buildings, including envelope upgrading, high performance lighting systems, energy-efficient HVAC systems and renewable energy generation systems		

<b>EeB.NMP.2012-3</b>	Development and validation of new 'processes and business models' for the next generation of performance based energy-efficient buildings integrating new services	SME-targeted collaborative projects.	
<b>EeB.NMP.2012-4</b>	Nanotechnology based approaches to increase the performance of HVAC systems	Collaborative Projects (Small or medium-scale focused research project)	<b>HVAC</b> : <a href="#">heating</a> , <a href="#">ventilation</a> , and <a href="#">air conditioning</a>
<b>EeB.NMP.2012-5</b>	Novel materials for smart windows conceived as affordable multifunctional systems offering enhanced energy control	Collaborative Projects (Small or medium-scale focused research project)	
<b>EeB.NMP.2012-6</b>	Methodologies for Knowledge transfer within the value chain and particularly to SMEs	Coordination and Support Actions (CSA)	

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**"Factories of the Future" - 2012**


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**Identifier:** FP7-2012-NMP-ICT-FoF  
**Publication Date:** 20 July 2011  
**Budget:** € 160 000 000  
**Deadline:** 01 December 2011 at 17:00:00 (Brussels local time)  
**OJ Reference:** [OJ C213 of 20 July 2011](#)  
**Specific Programme(s):** COOPERATION  
**Theme(s):** Information and Communication Technologies ; Nanosciences, Nanotechnologies, Materials and new Production Technologies - NMP

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Activity/ Area	Topics called	Funding Schemes	Budget (Million EUR)
<b>NMP – Nanosciences, nanotechnologies, Materials and new Production</b>			
<b>FoF.NMP.2012-1</b>	Adaptive production systems and measurement and control equipment for optimal energy consumption and near-to-zero emissions in manufacturing processes	Collaborative Projects (Large-scale projects)	<b>100</b>
<b>FoF.NMP.2012-2</b>	Methodologies and tools for the sustainable, predictive maintenance of production equipment	SME-targeted collaborative projects.	
<b>FoF.NMP.2012-3</b>	Intelligent production machines and 'plug-and-produce' devices for the adaptive system integration of automation equipment, robots and other intelligent machines, peripheral devices, smart sensors and industrial IT systems	SME-targeted collaborative projects.	

<b>FoF.NMP.2012-4</b>	High -performance manufacturing technologies in terms of efficiency (volumes, speed, process capability etc), robustness and accuracy	Collaborative Projects (DEMO-targeted project)	
<b>FoF.NMP.2012-5</b>	High precision production technologies for high quality 3D micro-parts	Collaborative Projects (Small or medium-scale focused research project)	
<b>FoF.NMP.2012-6</b>	Knowledge-based tools and approaches for process planning and integrated process simulation at factory level	Collaborative Projects (Small or medium-scale focused research project)	
<b>FoF.NMP.2012-7</b>	Innovative technologies for casting, material removing and forming processes	Collaborative Projects (DEMO-targeted project)	

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**Theme 4 – NMP - Nanosciences, Nanotechnologies, Materials and new Production Technologies – SMEs 2012**

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**Identifier:** FP7-NMP-2012-SME-6  
**Publication Date:** 20 July 2011  
**Budget:** € 48 000 000  
**Deadline:** 08 November 2011 at 17:00:00 (Brussels local time)  
 03 May 2012 at 17:00:00 (Brussels local time) - 2nd deadline (for 2-stage procedure)  
**OJ Reference:** OJ C213 of 20 July 2011  
**Specific Programme(s):** COOPERATION  
**Theme(s):** Nanosciences, Nanotechnologies, Materials and new Production Technologies - NMP

**Additional information**

26/9/2011 - The Guide for Applicants (Annexes) has been updated. The modification concerns the last sentence of section 1.1 for the stage 1 proposals, on page 26.

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**Call identifier: FP7-NMP-2012-SME-6**

Activity/ Area	Topics called	Funding Schemes
Cross-cutting and enabling R&D	<b>NMP.2012.1.4-3 Nanoscale mechanical metrology for industrial processes and products</b>	<i>SME-targeted Collaborative Projects</i>
Innovative materials for advanced applications	<b>NMP.2012.2.2-5 Halogen-free flame retardant materials</b>	
Integration	<b>NMP.2012.4.0-1 Novel materials and design-based solutions for the creative industry</b>	
Raw materials	<b>NMP.2012.4.1-2 Innovative recycling technologies of key metals in high-tech applications</b>	



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## Theme 4 – NMP - Nanosciences, Nanotechnologies, Materials and new Production Technologies – LARGE 2012

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**Identifier:** FP7-NMP-2012-LARGE-6

**Publication Date:** 20 July 2011

**Budget:** € 110 000 000

**Deadline:** 08 November 2011 at 17:00:00 (Brussels local time)  
03 May 2012 at 17:00:00 (Brussels local time) - 2nd deadline (for 2-stage procedure)

**OJ Reference:** [OJ C213 of 20 July 2011](#)

**Specific Programme(s):** COOPERATION

**Theme(s):** Nanosciences, Nanotechnologies, Materials and new Production Technologies - NMP

### Additional information

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Activity/ Area	Topics called	Funding Schemes
Maximising the contribution of nanotechnology to sustainable development	<b>NMP.2012.1.2-1 Nanotechnology solutions for in-situ soil and groundwater remediation</b>	<i>Large-scale integrating Collaborative Projects</i>
	<b>NMP.2012.1.2-2 Development and phase-I clinical trials of novel therapeutic nanotechnology-enabled systems for the diagnosis and treatment of atherosclerosis</b>	
Ensuring the safety of Nanotechnology	<b>NMP.2012.1.3-1 Systematic investigations of the mechanisms and effects of engineered nanomaterial interactions with living systems and/or the environment</b>	
	<b>NMP.2012.1.3-3 Regulatory testing of nanomaterials</b>	
Cross-cutting and enabling R&D	<b>NMP.2012.1.4-1 Pilot lines for precision synthesis of nanomaterials</b>	
Innovative materials for advanced applications	<b>NMP.2012.2.2-1 Biomaterials for improved performance of medical implants</b>	
Raw materials	<b>NMP.2012.4.1-1 New environmentally friendly approaches in minerals processing</b>	

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## Theme 4 – NMP - Nanosciences, Nanotechnologies, Materials and new Production Technologies – SMALL 2012

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**Identifier:** [FP7-NMP-2012-SMALL-6](#)

**Publication Date:** 20 July 2011

**Budget:** € 124 000 000

**Deadline:** 08 November 2011 at 17:00:00 (Brussels local time)  
03 May 2012 at 17:00:00 (Brussels local time) - 2nd deadline (for 2-stage procedure)

**OJ Reference:** [OJ C213 of 20 July 2011](#)

**Specific Programme(s):** COOPERATION

**Theme(s):** Nanosciences, Nanotechnologies, Materials and new Production Technologies - NMP

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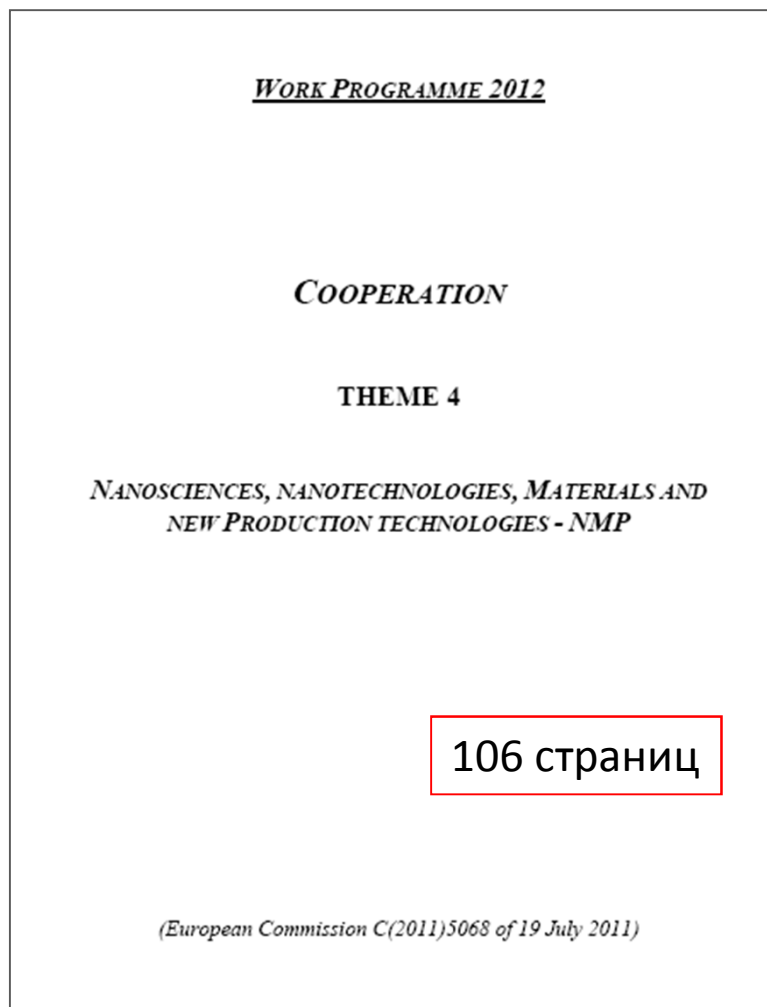
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Activity/ Area	Topics called	Funding Schemes
Maximising the contribution of nanotechnology to sustainable development	<b>NMP.2012.1.1-1 Rational design of nano-catalysts for sustainable energy production based on fundamental understanding</b>	<i>Small or medium-scale focused research projects</i>
Ensuring the safety of Nanotechnology	<b>NMP.2012.1.3-2 Modelling toxicity behaviour of engineered nanoparticles</b>	
Cross-cutting and enabling R&D	<b>NMP.2012.1.4-2 Hierarchical assembly of nano-scale building blocks</b>	
Enabling research and development	<b>NMP.2012.2.1-1 Joining dissimilar materials (excluding applications specific only to healthcare)</b>	
	<b>NMP.2012.2.1-2 Fine chemicals from CO<sub>2</sub></b>	
	<b>NMP.2012.2.1-3 Self-healing materials for prolonged lifetime</b>	

Innovative materials for advanced applications	<b>NMP.2012.2.2-2 Materials for data storage</b>	
	<b>NMP.2012.2.2-3 Advanced materials for high temperature power generation (SICA)</b>	
	<b>NMP.2012.2.2-4 Cost-effective materials for larger blades for off-shore wind energy applications</b>	
	<b>NMP.2012.2.2-6 Photocatalytic materials for depollution (SICA)</b>	
New Production	<b>NMP.2012.3.0-1 Highly efficient chemical syntheses using alternative energy forms</b>	
	<b>NMP.2012.3.0-2 Total Safety Management for industrial organisations</b>	
Raw materials	<b>NMP.2012.4.1-3 Development of advanced magnetic materials without, or with reduced use of, critical raw materials</b>	

## Документы, необходимые для написания проектов

<http://ec.europa.eu/research/participants/portal/page/cooperation#nmp>



- + Guide for applicants
- + Financial guide

Но это уже совсем другая история 😊

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