



NMP Call 4



Nanosciences, Nanotechnologies, Materials & new Production technologies (NMP)

The NMP theme in FP7 is structured into four areas: Nanosciences and Nanotechnologies; Materials; New Production Technologies; and Integration. The policy context and approach taken for NMP in FP7 continues to be very much industry-driven. It seeks to ensure that European industry moves from being resource-intensive to knowledge-intensive whilst at the same time strengthening its position in the global economy. The aim of the theme is to generate step changes and implement decisive knowledge for new applications, creating high value added products, processes and technologies.

SMEs will play a particularly important role in NMP due to their roles with respect to advanced technologies. They will be able to participate in all calls within NMP and there will also be some specific SME-focused calls. These calls would be open to those SMEs with a research and development capacity and would still require the participation of other partners from universities and research institutes as relevant. The areas of nano-tools, nano-instruments and nano-devices are likely to be of particular interest to SMEs.

2010 Workprogramme. Launched July Closing December 2009¹.

	Nanosciences and Nanotechnologies	Funding Scheme
NMP.2010.1.1-1	Support to dialogue and engagement for responsible social acceptance of nanotechnology	CSA ²
NMP.2010.1.2-1	Novel tools integrating individual techniques for real time nanomaterials characterisation -	SME ³
NMP.2010.1.2-2	Substitution of materials or components utilising "green nanotechnology"	S ⁴
NMP.2010.1.2-3	Thermoelectric energy (TE) converters based on nanotechnology	S
NMP.2010.1.2-4	Adding Value to mining at the Nanostructure level. - Mexico	S*
NMP.2010.1.3-1	Reference methods for managing the risk of engineered nanoparticles	L ⁵
NMP.2010.1.3-2	Modelling toxicity behaviour of engineered nanoparticles- USA	S*
	Materials	
NMP.2010-2.2-1	Organic-inorganic hybrids for electronics and photonics	S
NMP.2010.2.3-1	Development of standard scaffolds for the rational design of bioactive materials for tissue regeneration	L
NMP.2010.2.4-1	New materials and/or membranes for catalytic reactors	L
NMP.2010.2.5-1	Modelling of degradation and reliability of crystalline materials	S
	New Production	
NMP.2010.3.1-1	New industrial models for a sustainable and efficient production	S

NMP.2010.3.4-1	Manufacturing systems for 3D-shaped, multilayered products based on flexible materials	L
	Integration	
NMP.2010.4.0-1	Development of nanotechnology-based systems for detection, diagnosis and therapy for cancer	L
NMP.2010.4.0-2	Capacity building for the development of nanotech-based multiparameter sensors	L
NMP.2010.4.0-3	High throughput technologies for the development of formulated products	L
NMP.2010.4.0-4	A new generation of multi-functional fibre-based products produced by new and flexible manufacturing concepts -	SME
NMP.2010.4.0-5	Support to coordination activities of NMP related European Technology Platforms coordinating actions	CSA
NMP.2010.4.0-6	Organisation of events related to the Presidencies of the European Union – supporting actions	CSA
NMP.2010.4.0-7	ERANET on nanotechnologies, including nanotoxicology	
NMP.2010.4.0-8	ERANET on Manufacturing	
NMP.2010.4.0-9	ERANET on Catalysis	
	PPP Factories of the Future	
FoF.NMP.2010-1	Plug and Produce components for adaptive control	
FoF.NMP.2010-2	Supply chain approaches for small series industrial production	
FoF.NMP.2010-3	Intelligent, scalable, manufacturing platforms and equipment for components with micro- and nano-scale functional features	
	PPP Energy Efficient Buildings	
EeB.NMP.2010-1	New nanotechnology based high performance insulation systems for energy efficiency	
EeB.NMP.2010-2	New technologies for energy efficiency at district level	
	PPP Green Car	
GC.NMP.2010-1	Materials, technologies and processes for sustainable automotive electrochemical storage applications	

For more details visit <http://www.nmpteam.com/> :

¹ Topic specific.

² Coordination and Support Actions.

³ SME specific funding scheme. Minimum of 35% of funding goes to SMEs.

⁴ Small Funding Scheme. <€4m.

⁵ Large Funding Scheme. >€4m.