

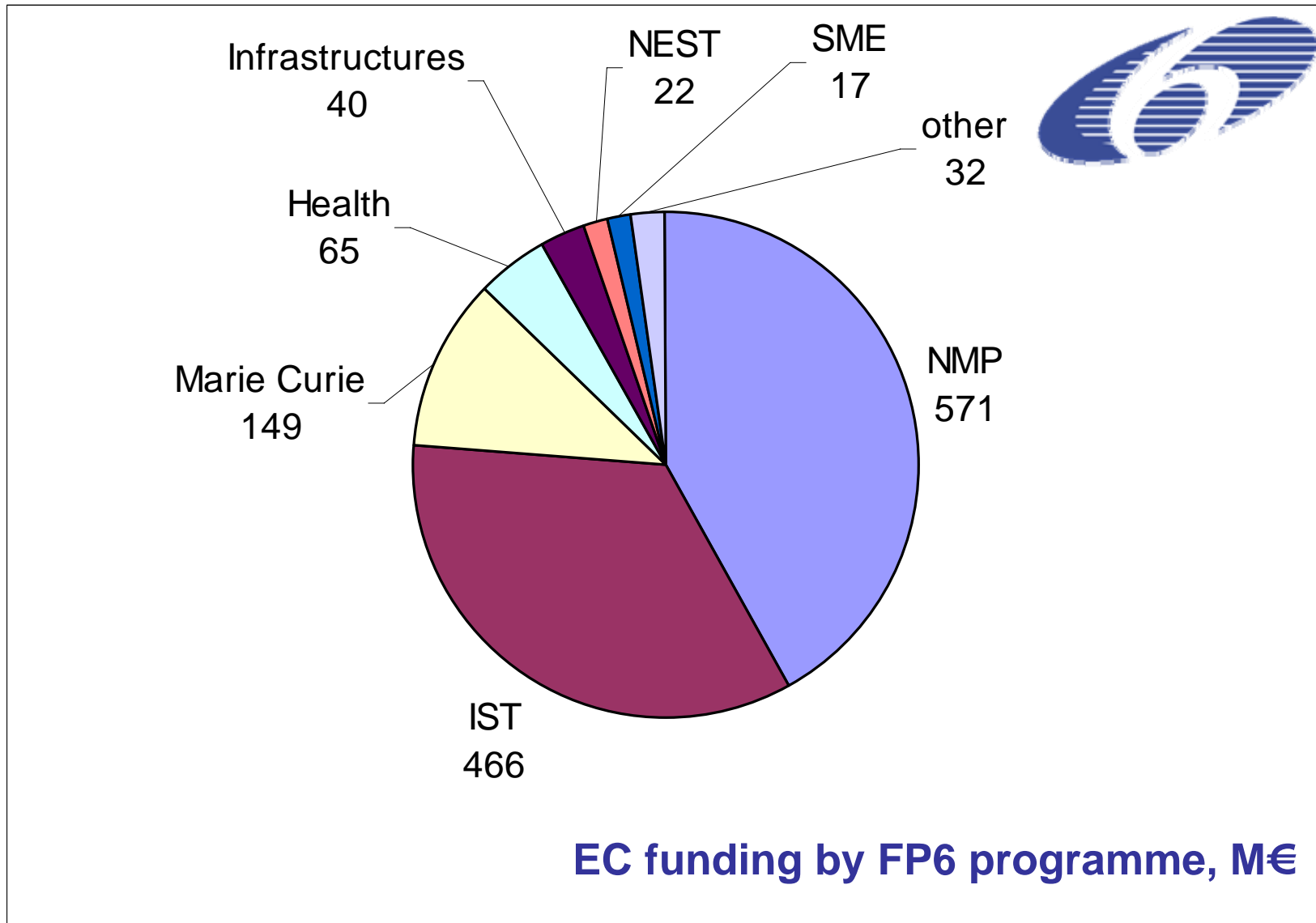
List of the “bullet points” in the first FP7 calls for proposals of main relevance to nanotechnology

Disclaimer: Note that this compilation is not legally binding and does not represent any commitment on behalf of the European Commission



Background: Nanotechnology R&D in FP6

More than 1.3 billion€ in more than 550 projects



Funding for Nanotechnology R&D in FP7

- More than 40 activities in the calls opened in 2007 are *directly* relevant
- Many more activities are indirectly relevant (e.g. in Health)
- Doubling of the FP6 funding is expected over duration of FP7
- 300-400M€ estimated in 2007



Nanoscience

NMP-2007-1.1-1 CP	Nano-scale mechanisms of bio/non-bio interactions
NMP-2007-1.1-2 CP	Self-assembling and self-organisation
NMP-2007-1.1-3 CSA	Support to ICPC researchers in nanotechnology and creation of a free and open electronic archive of nanosciences and nanotechnologies scientific and technical publications
NMP-2007-1.1-4 CSA	Development of methodology, collection and elaboration of scientific-technical and socio-economic data and studies on nanosciences and nanotechnologies, including risk assessment, and establishment of an observatory
NMP-2007-1.1-5 CSA (ERANET)	ERANET Plus in nanosciences





Technology development

NMP-2007-1.2-1 Large CP	Pilot lines to study, develop and up-scale nanotechnology-based processes from laboratory
NMP-2007-1.2-2 SME-targeted CP	Equipment and methods for nanotechnology
NMP-2007-1.2-3 CSA	Analysis of the ethical, regulatory, social and economic environment of nanomedicine
NMP-2007-1.2-4 CSA	Coordination in nanometrology
NMP-2007-1.2-5 CSA	Examining capacity building in nanobiotechnology
NMP-2007-3.4-1 SME-targeted CP	Rapid Manufacturing Concepts for Small Series Industrial Production
NMP-2007-3.5-1 Large CP	Processes and Equipment for High Quality Industrial Production of 3-Dimensional Nanosurfaces
NMP-2007-3.5-2 Large CP	Production Technologies and equipment for Micro-Manufacturing
NMP-2007-4.0-2 SME-targeted CP	Application of new materials including bio-based fibres in high-added value textile products





Impact assessment and societal issues

NMP-2007-1.3-1 Large CP	Specific, easy-to-use portable devices for measurement and analysis
NMP-2007-1.3-2 CP	Risk assessment of engineered nanoparticles on health and the environment
NMP-2007-1.3-3 CSA	Scientific review on the data and studies on the potential impact on health, safety and the environment of engineered nanoparticles
NMP-2007-1.3-4 CSA	Creation of a critical and commented database on the health, safety and environmental impact of nanoparticles
NMP-2007-1.3-5 CSA	Coordination in studying the environmental, safety and health impact of engineered nanoparticles and nanotechnology based materials and products
HEALTH-2007-1.3-4 CP	Alternative testing strategies for the assessment of the toxicological profile of nanoparticles used in medical diagnostics
SiS-2007-1.2.3.2-CT CSA	Science in Society: Nanoscience and Nanotechnology



Nanomaterials



NMP-2007-2.1.1 Large CP	Nanostructured polymer-matrix composites
NMP-2007-2.1.2 CP	Nanostructured coatings and thin films
NMP-2007-2.1.3 CSA	Characterisation of nanostructured materials
NMP-2007-2.2-1 Large CP	Organic materials for electronics and photonics
NMP-2007-2.2-2 CP	Nanostructured materials with tailored magnetic properties
NMP-2007-2.2.-3 CP	Advanced material architectures for energy conversion
NMP-2007-2.3.-1 Large CP	Highly porous bioactive scaffolds controlling angiogenesis for tissue engineering
NMP-2007-2.4-2 CP	Nanostructured catalysts with tailor-made functional surfaces
NMP-2007-2.4-3 CP	Renewable materials for functional packaging applications
NMP-2007-2.5-2 CP	Modelling of microstructural evolution under work conditions and in materials processing





Nanomedicine

NMP-2007-4.0-4 Large CP	Substantial innovation in the European medical industry: development of nanotechnology-based systems for in-vivo diagnosis and therapy (in coordination with topics HEALTH-2007-2.4.1-7 and HEALTH-2007-1.2-3)
HEALTH-2007-2.4.1-7 CP	Improving targeted drug delivery to cancer cells for cancer therapeutics other than gene therapy
HEALTH-2007-1.2.3 Large CP	Novel targeted imaging probes for early in vivo diagnosis and/or evaluation of response to therapy
ICT-2007-5.1 Large CP, CSA	Personal Health Systems for Monitoring and Point-of-Care diagnostics

PS: Many more activities in the Health theme are relevant to Nanomedicine, e.g. imaging, stem cells, translating research for human health

Nanoelectronics

ICT-2007.3.1 CP, NoE, CSA	Next generation nanoelectronics components and electronics integration
ICT-2007.8.1 CP, CSA (CA only)	Nano-scale ICT devices and systems



Infrastructures

INFRA-2007-2.2.1.27 Combination CP/CSA	PRINS, Pan-European Research Infrastructures for Nano-structures (from 2006 ESFRI Roadmap)
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Training

PEOPLE-2007-1-1-ITN	Marie Curie Initial Training Networks (all research areas)
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Other

ERC-2007-StG	European Research Council Starting Independent Researcher Grants (all research areas)
ICT-2007-C CP, CSA (CA only)	FET (Future and Emerging Technologies) Open (Open call for bottom-up activities)
ENERGY-2007.1.2.4 CP	Novel nanostructured materials for hydrogen storage
KBBE-2007-2-3-04 CP	Nano-devices for quality assurance, food safety and product properties
KBBE-2007-2-4-04 CP	Innovative and safe packaging
KBBE-2007-2-5-02 CP	Converging technologies and their potential for the food area



References



http://cordis.europa.eu/nanotechnology/src/eu_funding.htm

FP7: http://cordis.europa.eu/fp7/home_en.html

FP7 calls: <http://cordis.europa.eu/fp7/dc/index.cfm>

Nanotechnology homepage:

<http://cordis.europa.eu/nanotechnology/>

Nanosciences and Nanotechnologies:

An Action Plan for Europe 2005-2009

<http://cordis.europa.eu/nanotechnology/actionplan.htm>

**Additional information
on nanotechnology:**

