

**FP7UK**

**NMP and PPP 2011 Calls**

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*Nanosciences, Nanotechnologies, Materials and new  
Production Technologies - NMP*

## Business Development Drivers

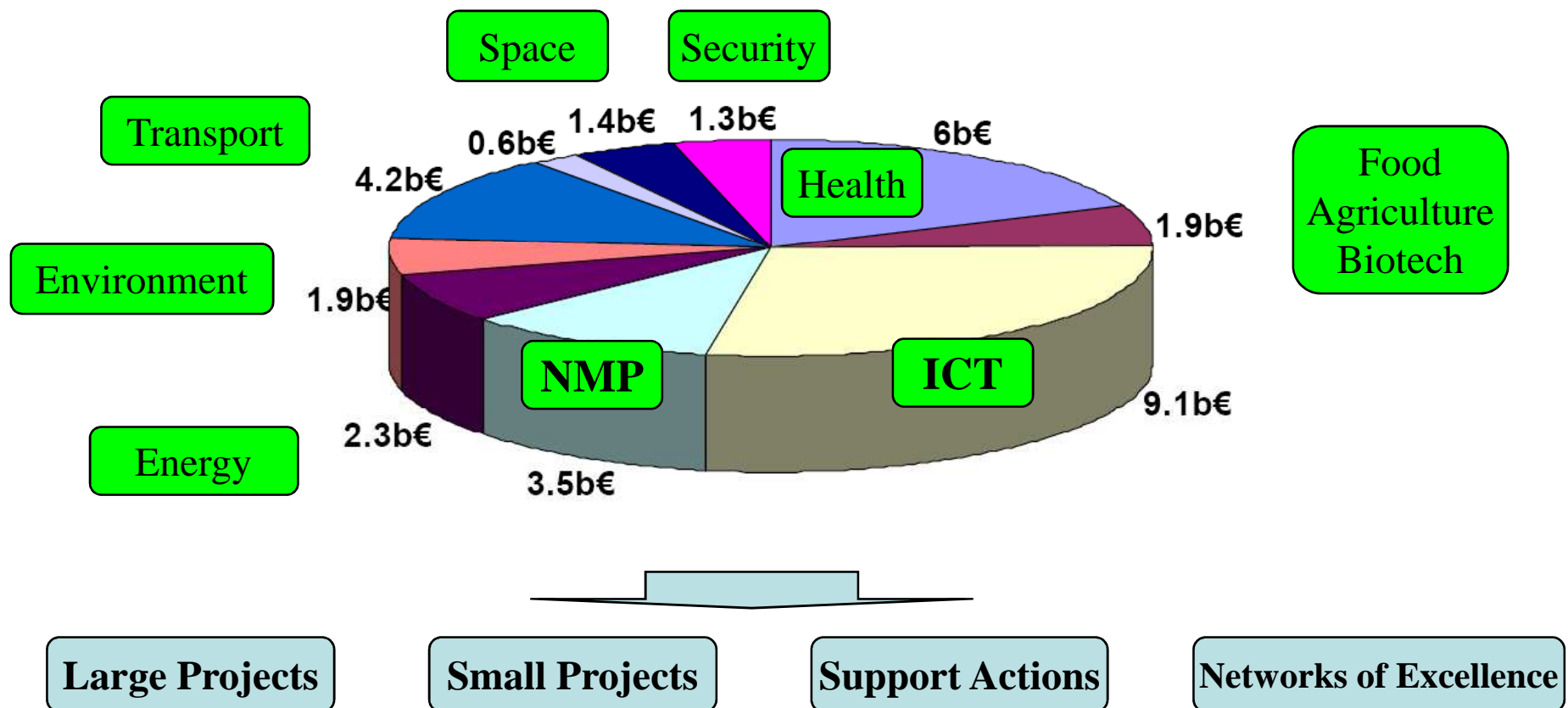
Funding activities must be seen as a  
**Business Development Tool.**

- Engagement in activities that are value added – strategically *and* operationally if possible.
- Assistance in helping to develop IP, products and people.
- Partnering with strategic customers and end-users
- Forming Supply Chain alliances

Funding is competitive.

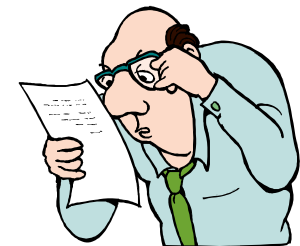
***So – The act of applying needs to be value added!***

## Chapter 1 Cooperation (Core Technology or End Market CR&D)



## Funding Fundamentals

- Innovative Projects
- 50% support – more for an SME, Academic, etc
  - The Commission give their fraction of what is spent
- Involving Partners from Multiple Countries
  - At least 3
- In Topics identified by The Commission's Workprogramme
- In response to specific calls for Proposals
- By means of a Grant Agreement with The European Commission



## What NMP is about – **Industrial** Technologies NOT JUST NANO!!

Improving industry competitiveness by developing, integrating and implementing high value-added technologies and processes:

- **Relevant to many sectors**
- **Relevant to many technologies**

## Directly Relevant Sectors in NMP calls

All these sectors have topics related to them in NMP Work Programmes:

Aerospace

Electronics

ICT

Photonics

Automotive

Energy

Manufacturing

Textiles

Biotechnology

Environment

Materials

Transport

Chemicals

Forestry

Nanotechnology

Construction

Health

Oil & Gas

## NMP areas

NMP covers 4 main areas in the work programme:

- **N**anotechnology
- **M**aterials
- **N**ew **P**roduction
- **I**ntegration (with one or more elements of **N**, **M** or **P**, applying them to specific sectoral issues)

## **UK in the NMP calls**

- UK Industrial participation is at the same level as academia
- More successful UK SMEs so far than in all of FP6.
- UK grants in NMP call alone will be equivalent to that from a full UK CR&D call.

## How NMP Proposals are evaluated:

**Large, Small and SME** projects are Collaborative Projects

-organisations from at least 3 countries

They (usually) have a 2-stage procedure

– Stage 1 is a 10-page summary proposal for a quick yes/no

Projects are marked on **Technical Excellence, Impact and Project Management** (stage 2 only)

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## NMP - Example of Collaborative Projects

- **Small** or medium-scale focused research projects
  - <4m€ Funding (Typically €2-3m, ~6-10 organisations)
  - Generally research focused with some end markets & applications
- **Large** scale integrating collaborative projects,
  - >4m€ Funding (typically €6-8m, ~12-20 organisations)
  - Still pre-competitive research, but tying closer into end markets and applications.
  - Higher dissemination & training element
- **SME** collaborative projects
  - Aimed at making SMEs research and knowledge-driven
  - >35% SME participation (no prescribed No. of participants)
  - SME drive (not necessarily the coordinator)

## **NMP 2011 Call 5 Indicative Timescales & Details (2-stage):**

Call Publication ~30th July 2010

1<sup>st</sup> Stage Deadline ~4<sup>th</sup> Nov 2010

2nd Stage Deadline May 2011

*There will be some variations to this – always read the detail! (i.e. PPP 2<sup>nd</sup> Dec, joint calls, etc)*

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## NMP 2011 (Call 5) Indicative Budgets:

Small Projects	~€90m+ over 10 topics
Large Projects	~€110m+ over 8 topics
SME Projects	~€30m over 4 topics
Coordinated Actions	~€11m over 5 topics
ERANET	~ €8m over 4 topics
Joint Calls	~€30.5m over 4 topics

## NMP 2011 Draft Topics - Nano

Work Programme Topic Identifier	Project Type	Topic
NMP.2011.1.1-1	Large	Smart and multifunctional packaging concepts utilizing nanotechnology
NMP.2011.1.2-1	Large	Development and up-scaling of innovative photovoltaic cell processes and architectures to pilot-line scale for industrial application, Joint call with ENERGY
NMP.2011.1.2-2	Large	New targeted therapy using nanotechnology for transport of macro-molecules across the biological blood-brain barrier
NMP.2011.1.2-3	Small	Active nanomembranes/-filters/-adsorbents for efficient water treatment with stable or regenerable low-fouling surfaces
NMP.2011.1.3-1	SME	New methods for measuring, detection and identification of nanoparticles in products and/or in the environment
NMP.2011.1.3-2	Small	Worker protection and exposure risk management strategies for nanomaterial production, use and disposal

## NMP 2011 Draft Topics - Nano

Work Programme Topic Identifier	Project Type	Topic
NMP.2011.1.3-3	CSA	Intelligent testing strategies for nanomaterials impact and exposure – towards regulation and clustering of materials
NMP.2011.1.3-4	CSA	European Platform on Nano Outreach and Dialogue (NODE)
NMP.2011.1.4-1	Large	Large-scale green and economical synthesis of nanoparticles and nanostructures
NMP.2011.1.4-2	Large	Development of nano-scale detection and control techniques for large area substrates
NMP.2011.1.4-3	SME	Tools and methodologies for imaging structures and composition at the nanometre scale
NMP.2011.1.4-4	Small	Nanotechnology based implantable and interfaceable devices
NMP.2011.1.4-5	Small	Multiscale Modelling as a Tool for Virtual Nanotechnology Experimentation, Coordinated call with Russia

## NMP 2011 Draft Topics - Materials

Work Programme Topic Identifier	Project Type	Topic
NMP.2011.2.1-1	SME	<b>Research and innovation for advanced multifunctional ceramic materials</b>
NMP.2011.2.1-2	Small	<b>Modelling of ultrafast dynamics in materials</b>
NMP.2011.2.2-1	Large	<b>Novel superconducting materials, architectures and processes for electro-technical applications</b>
NMP.2011.2.2-2	Small	<b>Biomaterials for tissue engineering for age-related cancer and sensory organ diseases</b>
NMP.2011.2.2-3	Small	<b>Materials for solid state lighting</b>
NMP.2011.2.2-4	Small	<b>Novel materials for replacement of strategic or scarce raw materials (platinum group metals and rare earths)</b>

## NMP 2011 Draft Topics - Materials

Work Programme Topic Identifier	Project Type	Topic
NMP.2011.2.2-5	Small	<b>Development of advanced compatible materials and techniques and their application for the protection, conservation and/or restoration of cultural heritage assets</b> (Coordinated call with ENV).
NMP.2011.2.2-6	Small	<b>Fundamental properties of novel superconducting materials</b> (coordinated call with Japan)
NMP.2011.2.3-1	Small ( <i>w Latin America</i> )	<b>Advanced packaging materials from renewable biogenic resources</b>
NMP.2011.2.3-2	Eranet	<b>ERA-NET on research on materials science and engineering, including international cooperation</b>
NMP.2011.2.3-3	CSA	<b>Networking of materials laboratories and innovation actors in various industrial sectors for product or process innovation</b>

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**NMP 2011 Draft Topics - Production & Integration**

<b>Work Programme Topic Identifier</b>	<b>Project Type</b>	<b>Topic</b>
NMP.2011.4.0-3	SME	<b>Advanced textiles for the energy and environmental protection markets</b>
NMP.2011.4.0-4	CSA	<b>Organisation of events related to the Presidencies of the European Union Supporting actions</b>
NMP.2011.4.0-5	CSA	<b>Support to Networks of Excellence with durable integrated structures</b>
NMP.2011.4.0-6	ERA-NET	<b>ERA-Net on the Industrial Handling of Raw Materials for European industries</b>
NMP.2011.4.0-7	ERA-NET	<b>ERANET on Industrial Safety</b>
NMP.2011.4.0-8	CSA	<b>NCP trans-national activities</b>

## How FP7UK Can Help – making you a self-sufficient player

- Helping you decide your strategy
- The Work Programmes in Detail
- Proposal positioning & links with the commission
- Some partnering – links to NCPs from other countries
- We encourage you to use KTNs, EENs & Regional support
- The do's and don'ts of applying

## **Advice and Assistance in the UK**

### **FP7UK National Contact Points:**

**[www.fp7uk.co.uk](http://www.fp7uk.co.uk)**

- ✓ **0870 600 6080**
- ✓ **[fp7uk@innovateuk.org](mailto:fp7uk@innovateuk.org)**
- ✓ **<https://ktn.innovateuk.org/web/fp7uk>**

The Official Commission FP7 Website, Cordis is:

**[http://cordis.europa.eu/fp7/home\\_en.html](http://cordis.europa.eu/fp7/home_en.html)**