



**Micro & Nanotechnology Sector Group**  
**Catania, November 28th, 29th, 2013**

Friday, 29th November, 2013

**Elevator Pitch for SG Members**  
**of stakeholders, EEN partners and clients**

Location: National Council of Research (CNR),  
Via Gaifami n. 18, Catania

**HORIZON 2020**  
**Workprogramme 2014-2015**  
***Nanotechnologies and advanced Materials***  
Please select your topic(s) of interest  
***2014: open to 2014 call***  
***2015: open to 2015 call***

**Area 1: Bridging the gap between nanotechnology research and markets**

- ☐ NMK 1 - 2014: Open access pilot lines for cost effective nanocomposites
- ☐ NMK 2 - 2015: Integration of novel nanomaterials into existing production lines
- ☐ NMK 3 - 2015: Manufacturing and control of nanoporous materials



- ☐ NMK 4 - 2014: High definition printing of multifunctional materials
- ☐ NMK 5 - 2014: Nanomaterials for printing applications
- ☐ NMK 6 - 2015: Novel nanomatrices and nanocapsules
- ☐ NMK 7 - 2015: Additive manufacturing for table-top nanofactories

**Area 2 : *Nanotechnology and Advanced Materials for more effective Healthcare***

- ☐ NMK 8 - 2014: Scale-up of nanomedicine production
- ☐ NMK 9 - 2014: Networking of SMEs in the nano-biomedical sector
- ☐ NMK 10 - 2014: Biomaterials for the treatment of diabetes mellitus
- ☐ NMK 11 - 2015: Nanomedicine therapy for cancer
- ☐ NMK 12 - 2015: Biomaterials for treatment and prevention of Alzheimer's disease

**Area 3: *Nanotechnology and Advanced Materials for low-carbon energy technologies and Energy Efficiency***

- ☐ NMK 13 - 2014: Storage of energy produced by decentralised sources
- ☐ NMK 14 - 2015: ERA-NET on Materials for Energy
- ☐ NMK 15 - 2015: Materials innovations for the optimisation of cooling in power plants
- ☐ NMK 16 - 2015: Extended in-service life of advanced functional materials in energy technologies (capture, conversion, storage and/or transmission of energy)

**Area 4: *Exploiting the cross-sector potential of Nanotechnologies and Advanced materials to drive competitiveness and sustainability***

- ☐ NMK 17 - 2014: Development of novel materials and systems for OLED lighting or displays
- ☐ NMK 18 - 2014: Materials solutions for use in the creative industry sector
- ☐ NMK 19 - 2015: Materials for severe operating conditions, including added-value functionalities
- ☐ NMK 20 - 2014: Widening materials models
- ☐ NMK 21 - 2014: Materials-based solutions for the protection or preservation of European cultural heritage
- ☐ NMK 22 - 2015: Fibre-based materials for non-clothing applications
- ☐ NMK 23 - 2015: Novel materials by design for substituting critical elements
- ☐ NMK 24 - 2015: Low-energy solutions for drinking water production – pilot plants
- ☐ NMK 25 - 2015: Inducement prize for the development of new materials and materials-based creative solutions by upstream collaboration between material scientists and designers



- ☐ NMK 26 – 2014: Accelerating the industrial uptake of nanotechnologies or advanced materials by SMEs
- ☐ NMK 26 bis – 2015: Accelerating the industrial uptake of research in the fields of advanced manufacturing and processing

***Area 5: Safety of nanotechnology-based applications and support for the development of regulation***

- ☐ NMK 27 - 2014: Joint EU & MS activity on the next phase of research in support of regulation "NANOREG II"
- ☐ NMK 28 - 2014: Coordination of EU and international efforts in safety of nanotechnology
- ☐ NMK 29 - 2014: Assessment of environmental impact of nanomaterials
- ☐ NMK 30 - 2015: Increasing the capacity to perform nano-safety assessment
- ☐ NMK 31 - 2015: Next generation tools for risk governance of Nanomaterials

***Area 6: Addressing generic needs in support of governance, standards, models and structuring in nanotechnology, advanced materials and advanced manufacturing and processing***

- ☐ NMK 32 – 2014: Novel visualization tools for enhanced nanotechnology awareness
- ☐ NMK 33 – 2015: Societal engagement on responsible nanotechnology
- ☐ NMK 34 – 2014: The Materials "Common House"
- ☐ NMK 35 – 2014: Networking and sharing of best practises in management of new advanced materials via eco-design of products
- ☐ NMK 36 – 2014: Business models with new supply chains for sustainable customer-driven small series production
- ☐ NMK 37 – 2014: Facilitating knowledge management, networking and coordination in NMP
- ☐ NMK 38 – 2014: Practical experience and facilitating combined funding for large-scale RDI initiatives