

NanoICT Coordination Action: Nanoscale ICT Devices and Systems

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The NanoICT Coordination Action activities will reinforce and support the whole European Research Community in “ICT nanoscale devices” covering the following research areas expected to demonstrate unconventional solutions beyond the expected limits of CMOS technology:

1. Demonstration of new concepts for switches or memory cells
2. Demonstration of new concepts, technologies and architectures for local and chip level interconnects with substantial improvements over current solutions
3. Demonstration of radically new functionalities by the integration of blocks from a few nanometres down to the atomic scale into high added-value systems



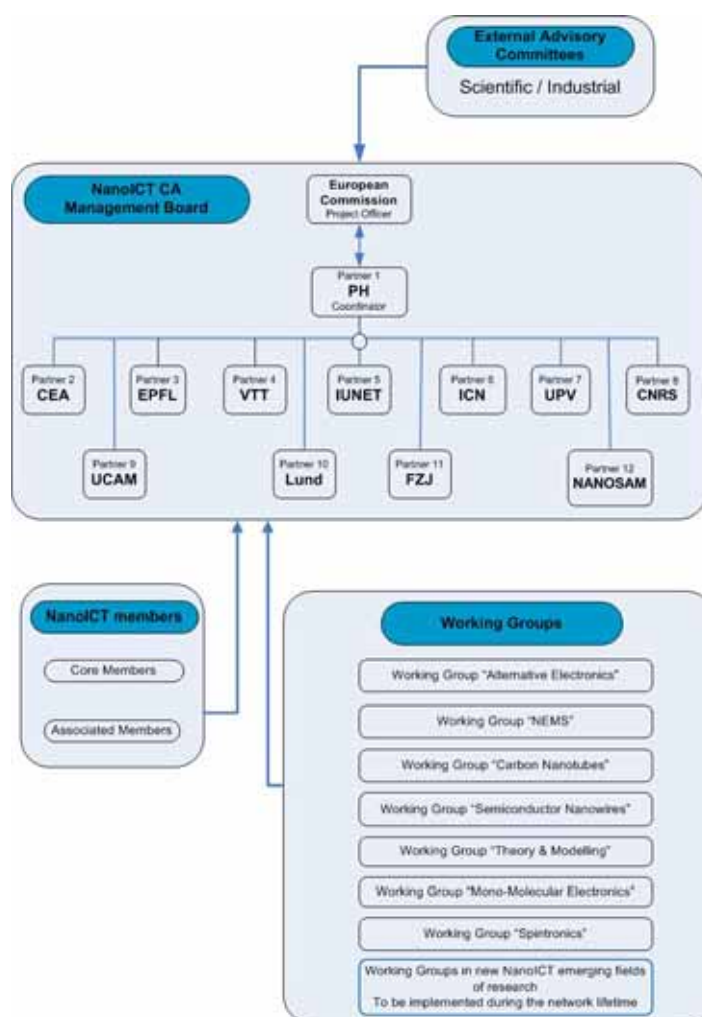
*Geographical coverage of
the NanoICT consortium*

The CA action plans will go beyond the organisation of conferences, workshops, exchange of personnel, WEB site, etc. developing the following activities:

1. Consolidation and visibility of the research community in ICT nanoscale devices
2. Mapping and benchmarking of research at European level, and its comparison with other continents
3. Identification of drivers and measures to assess research in ICT nanoscale devices, and to assess the potential of results to be taken up in industrial research
4. Coordination of research agendas and development of research roadmaps
5. Coordination of national or regional research programmes or activities, with the aim to involve funding authorities in building the ERA around this topic
6. Development of strategies for international cooperation on themes related to NanoICT

Expected impact will be the enhanced visibility, shaping and consolidation of the NanoICT research community in Europe.

NanoICT beneficiaries			
	Beneficiary name	Short name	Country
1 (coordinator)	Fundación Phantoms	PH	Spain
2	Commissariat à l'Énergie Atomique	CEA	France
3	Ecole Polytechnique Fédérale de Lausanne	EPFL	Switzerland
4	Technical Research Center of Finland	VTT	Finland
5	Consorzio Nazionale Interuniv. per la Nanoelettronica	IUNET	Italy
6	Institut Català de Nanotecnologia	ICN	Spain
7	Universidad del País Vasco	UPV/EHU	Spain
8	CNRS	CNRS	France
9	University of Cambridge	UCAM	UK
10	Lund University	ULUND	Sweden
11	Forschungszentrum Juelich GmbH	FZJ	Germany
12	Jagiellonian University	UJ	Poland



NanoICT Coordination Action Structure