Funding opportunities in the European Research Framework Programme Future and Emerging Technologies



Pekka Karp Deputy Head of Unit FET – Proactive pekka.karp@ec.europa.eu

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European Commission Information Society and Medi

Future & Emerging Technologies – FET Mission



and Media

Future & Emerging Technologies – FET A continuing well established successful IST scheme

An incubator and pathfinder for new ideas and themes for longterm research in the area of information and communication technologies

High risk research, offset by potential breakthrough with high technological and/or societal impact

Two complementary inter-linked schemes FET Proactive + FET Open

FET Proactive

Top-down approach
Set of novel pre-defined themes

FET Open

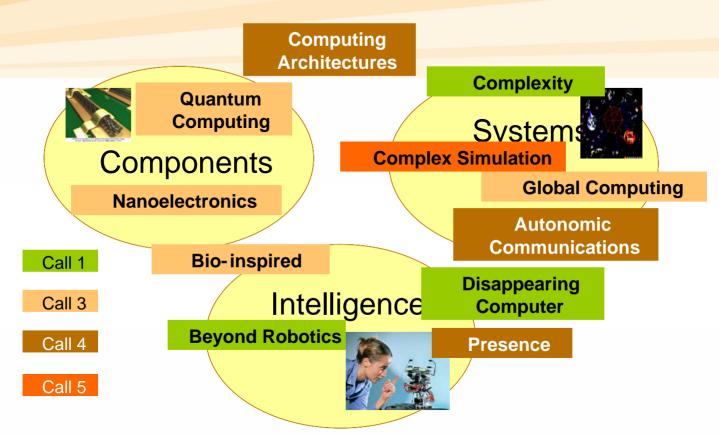
Bottom-up approach
Open to any research idea





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FET Proactive Initiatives in 2003 - 2006



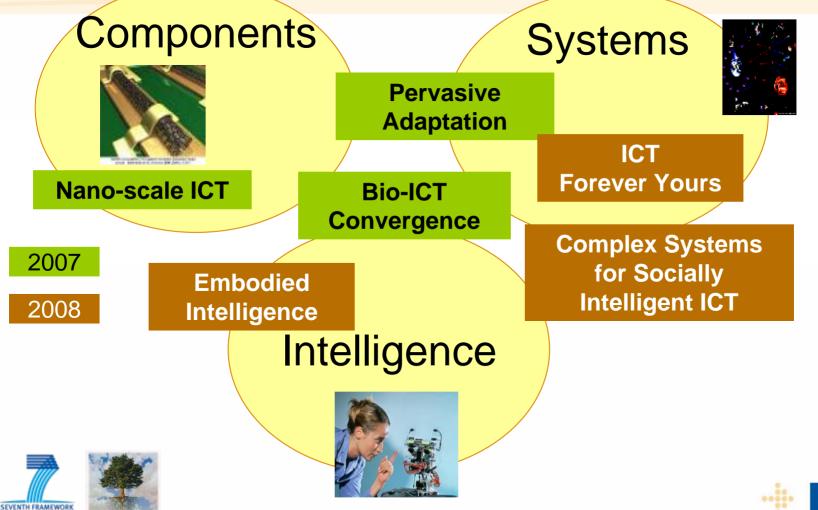
In total 48 projects (25 Integrated Projects, 18 Specific Targeted Research Projects and 5 Coordination Actions)



Total EC funding: 196 M€

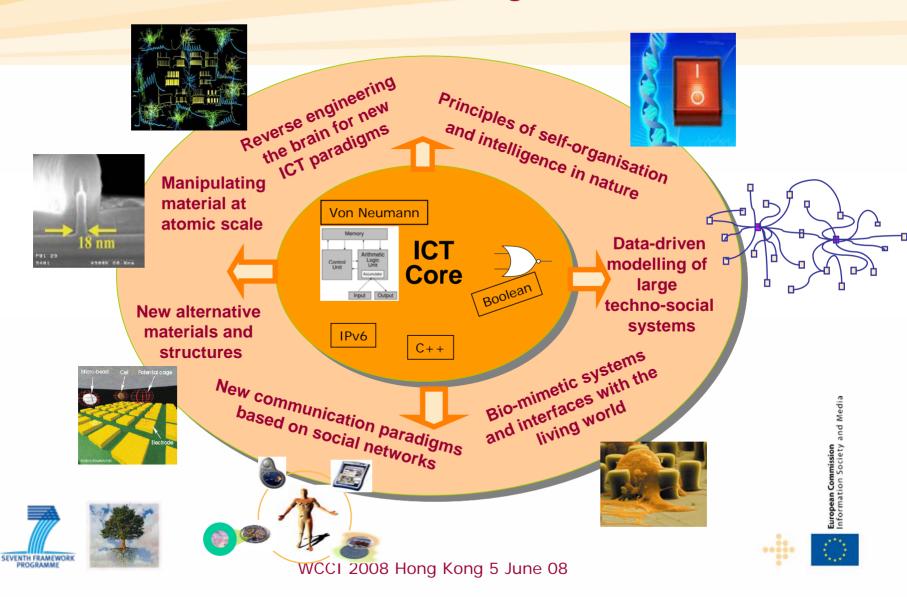
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Computational Intelligence in FET Proactive Initiatives in 2007-2008

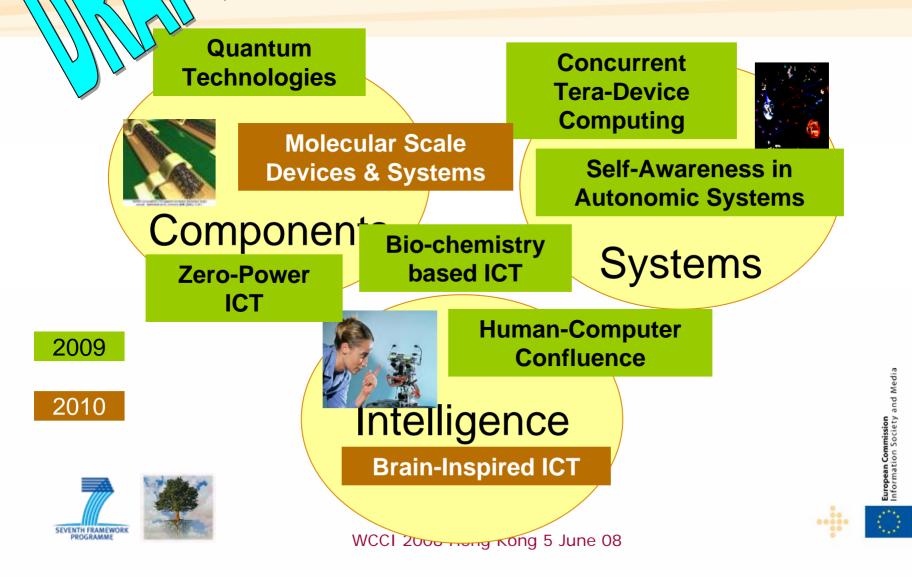


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Trends towards future ICT's (2009-10 and beyond)



FET Proactive Initiatives in 2009-2010



Main FET funding opportunities 2009 – 2010 for Computational Intelligence

1. FET Open

2. FET Proactive

- Human-computer confluence (on-line perception of and interaction with massive volumes of data, ..)
- **Brain-inspired ICT** (multi-scale models of information processing and communication in the brain and/or PNS and their synthetic hardware implementations)
- Bio-chemistry-based information technology (information processing technology inspired by chemical processes in living systems)



International collaboration

Objectives:

- To jointly respond to major global technological challenges by developing interoperable solutions and standards
- To jointly develop ICT solutions to major global societal challenges
- To improve scientific and technological cooperation for mutual benefit, in particular regarding FET funding:

"Involvement and participation of international partners from developed and/or emerging economies in any of the FET proactive initiatives is welcomed and encouraged"

"International collaboration that exploits synergies in the global science and technology scene is also encouraged"





International collaboration

In practice:

Define a proposal with a multinational consortium (at least 3 European partners) and submit to an appropriate call. Funding is possible, depending on the case.

Information:

- <u>http://cordis.europa.eu/fp7/ict/fet-proactive/home_en.html</u> (FET Proactive)
- <u>http://cordis.europa.eu/fp7/ict/fet-open/home_en.html</u> (FET Open)



