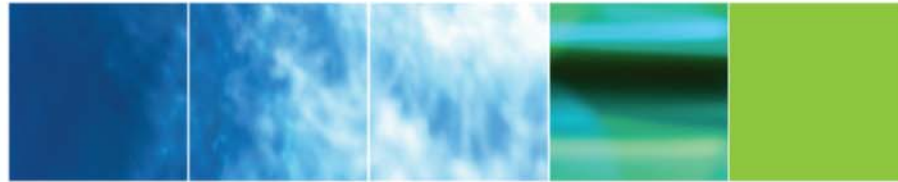


Irish Participation under NEST and “High-Risk” projects in the EU FP7

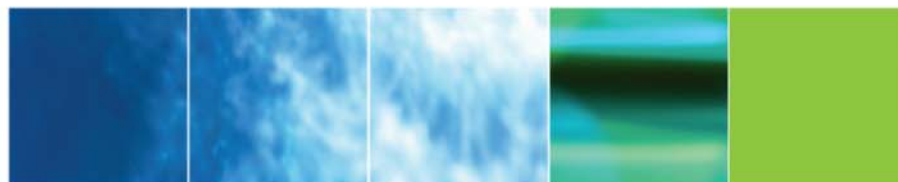


Dr Imelda Lambkin

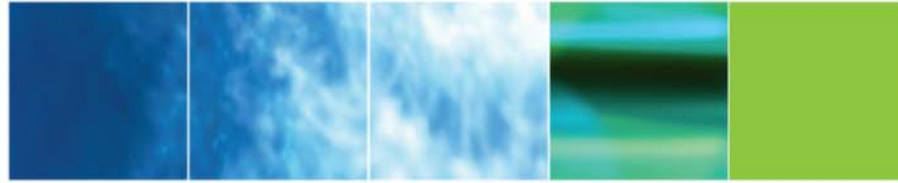


Ireland & FP6 NEST: the result

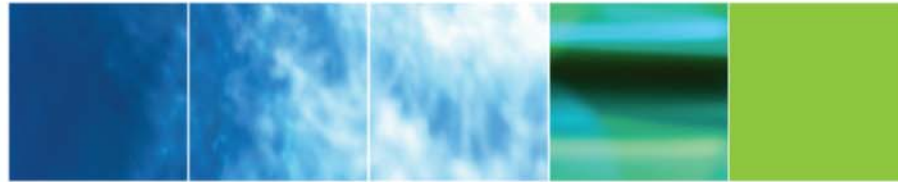
- Irish participation in 92 proposals
- Proposals retained:
 - ◆ 4 STREP
 - ◆ 3 SSA
 - ◆ 1 CA
- Drawdown: €1,239,550



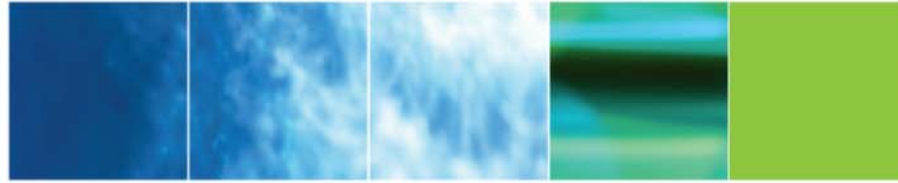
STREP	Evaluated proposals	Retained projects
FP6-2003-NEST-A 1st closure date: 14 May 2003	6	0
FP6-2003-NEST-A 2nd closure date: 22 October 2003 – Stage 1	19	2
FP6-2003-NEST-A 2nd closure date: 22 October 2003 – Stage 2	2	0
FP6-2003-NEST-B 1st closure date: 14 April 2004 – Stage 1	6	1
FP6-2003-NEST-B 1st closure date: 14 April 2004 – Stage 2	1	0
FP6-2003-NEST-B 2nd closure date: 15 September 2004 – Stage 1	10	1
FP6-2003-NEST-B 2nd closure date: 15 September 2004 – Stage 2	1	0
FP6-2004-NEST-C Closure date: 13 April 2005 – Stage 1	18	2
FP6-2004-NEST-C Closure date: 13 April 2005 – Stage 2	2	1
TOTAL	65	1



- **E-SIGNET (FP6-2003-NEST-B-1)**
 - ◆ Dublin City University, €360,000
 - ◆ Prof Barry McMullin, Dept of Electronic Engineering
 - ◆ **- investigates the possibility to computationally evolve and simulate artificial cell signaling networks with pre-specified properties by means of Evolutionary Computation methods**



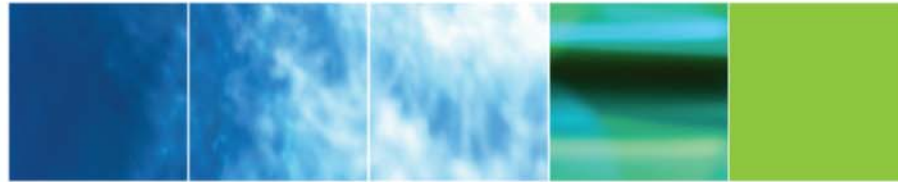
PATHFINDER	Evaluated proposals	Retained projects
FP6-2003-NEST-PATH Closure date: 14 April 2004	4	0
FP6-2004-NEST-PATH Closure date: 13 April 2005	6	3
FP6-2005-NEST-PATH Closure date: 15 February 2006	10	0
TOTAL	20	3



- **ANALOGY (FP6-2004-NEST-PATH)**
 - ◆ University College Dublin, €231,600
 - ◆ Dr Fintan Costello, School of Computer Science and Informatics
 - ◆ **- focuses on understanding these uniquely human mechanisms of analogy-making, and exploring their evolution and development**

- **GEBACO (FP6-2004-NEST-PATH)**
 - ◆ University College Dublin, €269,623
 - ◆ Prof Ciaran Regan, School of Biomolecular & Biomedical Science
 - ◆ **- discovers genetic influences on distinct aspects of cooperative behaviour that have been conserved through evolution**

- **SpiDME (FP6-2004-NEST-C-1)**
 - ◆ Trinity College Dublin, €300,000
 - ◆ Stefano Sanvito, Dept. of Physics
 - ◆ **- aims at understanding the interaction between the electron spin and its solid-state environment and at the fabrication of a new generation of molecular spin devices, exploiting the spin degree of freedom to store, carry and read information**



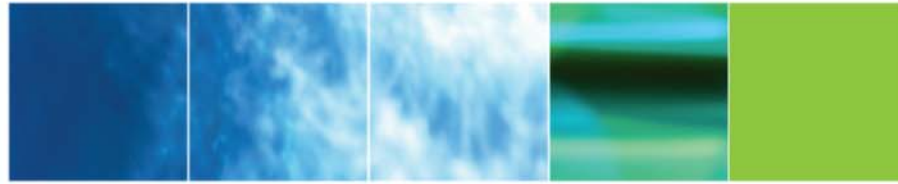
SSA & CA	Evaluated proposals	Retained projects
FP6-2003-NEST-B 2nd closure date: 15 September 2004 – Stage 1	1	1
FP6-2003-NEST-PATH Closure date: 14 April 2004	3	1
FP6-2004-NEST-PATH Closure date: 13 April 2005	2	0
FP6-2005-NEST-PATH Closure date: 15 February 2006	1	1
TOTAL	7	3



- **NEST-PROMISE** (FP6-2003-NEST-B-4)

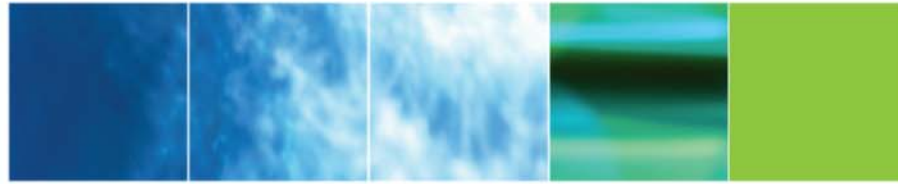
- **MONAT** (FP6-2004-NEST-PATH)
 - ◆ Trinity College Dublin
 - ◆ Fiona Newell, Dept. of Psychology
 - ◆ - **identifying the key factors responsible for instinctively knowing whether something is natural or a synthetic mimic**

- **INCORE** (FP6-2005-NEST-PATH)
 - ◆ National University of Ireland, Dublin
 - ◆ Professor Ciaran Regan, School of Biomolecular & Biomedical Science
 - ◆ - **to draw up a strategic picture of research into cooperation across Europe, and to bring diverse disciplines together in this enterprise**



Ireland & FP6 NEST: the meaning?

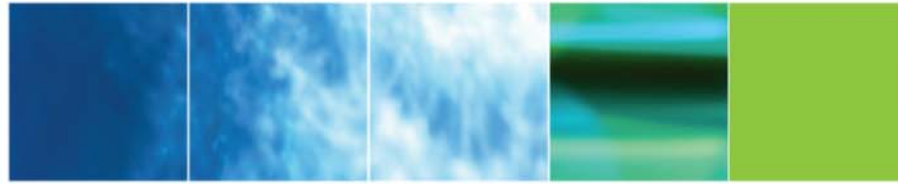
- Does FP6 NEST match National NEST?
- Was there a timing issue?
- Did the National Support System work?
- Ireland versus other small countries?
- Where do we go next?



FP7 2007-2013

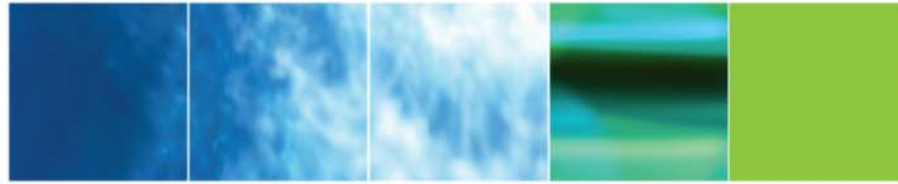
- **Budget is over €50 Billion**
- Covers Four Specific Research Programmes
 - ◆ Cooperation (€32.202 Billion);
 - ◆ Ideas (€7.460 Billion);
 - ◆ People (€4.577 Billion);
 - ◆ Capacities (€4.193 Billion)

Look for NEST in Cooperation and Ideas



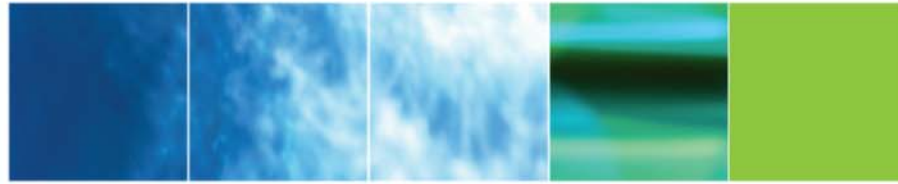
Cooperation – priority areas

- Health (€6 Billion)
- Food, agriculture and biotechnology (€1.935 Billion)
- Information and communication technologies (€9.190 Billion)
- Nanosciences, nanotechnologies, materials and new production technologies (€3.505 Billion)
- Energy (€2.300 Billion)
- Environment (including climate change) (€1.900 Billion)
- Transport (including aeronautics) (€4.195 Billion)
- Socio-economic sciences and the humanities (€610 Million)
- Security and Space (€2.750 Billion)



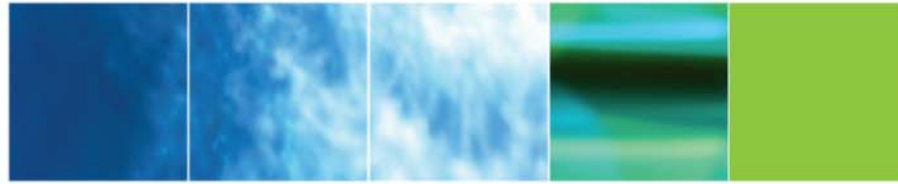
FP7 Cooperation & NEST: the meaning?

- Lack of consistency across the themes
- Very small budgets in first Calls
- Some confusion in alignment e.g. ICT FET
- Some pre-allocated e.g. flu pandemic
- NEST Team not involved in decision making



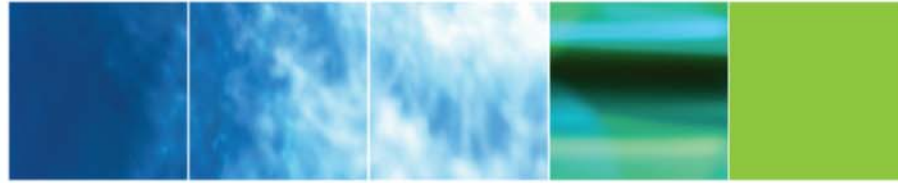
FP7 Ideas

- Supports **Frontier Research** projects - 100 % reimbursement
- **All fields of science** and scholarship are eligible
- Investigator-driven, bottom-up
- Independent individual teams in Europe
- **Excellence** is the only valid criterion
- Nationality of researchers not relevant, host organisation to be located in EU or AS



FP7 Ideas & NEST: the meaning?

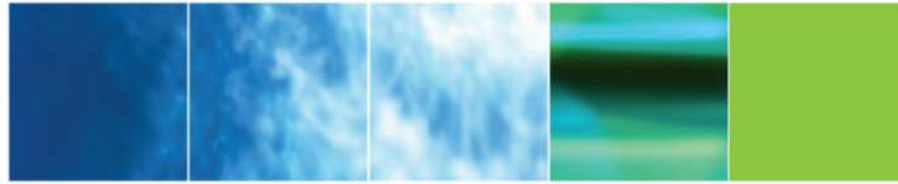
- Does Frontier Research cover NEST?
- ERC will complement (but not duplicate) existing European research initiatives
- ERC will be flexible to adjust mechanisms and scientific strategies
- Significant budgets - €1bn per year
- NEST Team transferred into Ideas



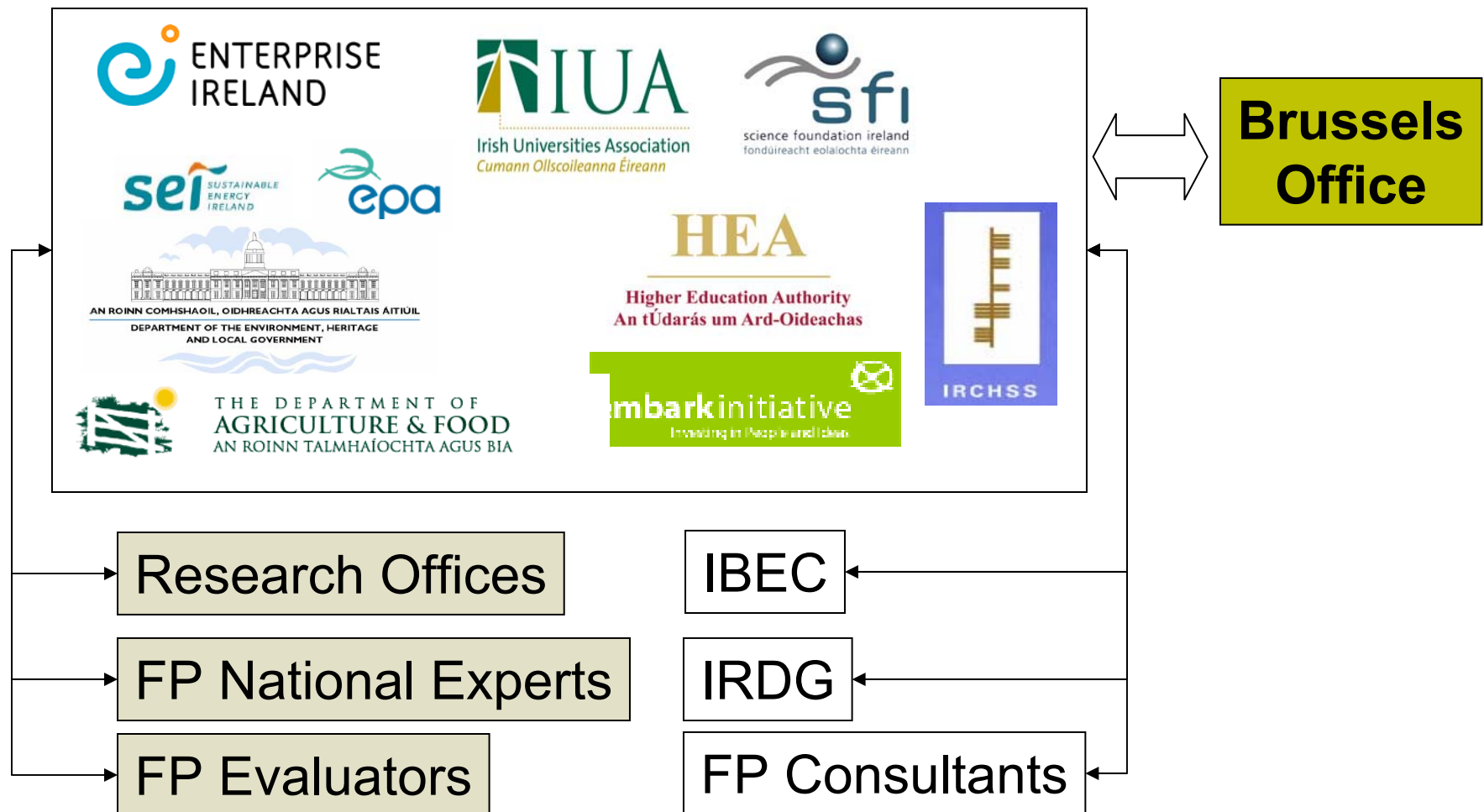
The National Support Network for FP7

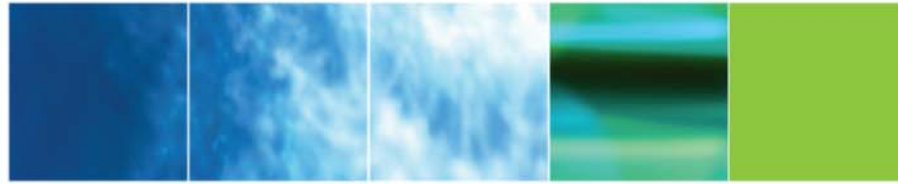
- A National Director to ensure a coordinated and coherent approach is adopted across all components of the program so that Irish participation is optimised
- A dedicated national office for FP7 at the heart of a distributed network of delegates and national contact points covering all parts of the programme and all constituencies
- Specialists in ICT, biotechnology, nanotechnology, agrifood, environment, energy, aeronautics, security, space, socioeconomic science and humanities

There is greater support available than ever before



The National Support Network for FP7





What We Do

- Act as the conduit to/from the European Commission
- Identify strategic opportunities for Irish involvement in FP7
- Represent Irish view through Programme Committees
- Target potential participants and raise awareness
- Maximise the potential for North-South collaboration

We provide “hands-on” support covering all stages in the project lifecycle

