

Agenda

9.00a.m Welcome Note – Damian Gleeson, President Shannon Chamber

9.15a.m. Cormac Cantwell, Research and Innovation, Enterprise Ireland

09.40a.m. Gerry Reynolds, Managing Director, Takumi Medical – An SME's experience of National R & D Funding

10.00a.m. Liam Brown, National Contact Point - Framework Programme 7 – opportunities for companies.

10.20a.m. Pat Donohoe, General Manager, Eirebloc – An SME's practical experience of EU Funding

10.40a.m. Prof Umit Bititci, Dept. Design, Mfg & Eng Mgmt, University of Strathclyde – Future SME- an FP7 funded project

11.00a.m. Tea/Coffee Break – staggered tour of Intel Labs (staggered 3 * 10 min tours) Website Launch during tour

11.45a.m. Q & A session chaired by Pat O'Meara RTR Electronics Ltd and Chairman, SNS Steering Committee

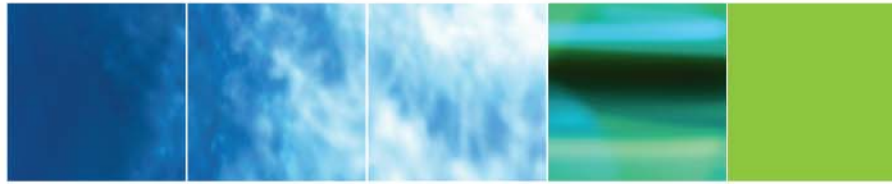
12.15p.m. Close Event

NMP (Nanosciences, Nanotechnologies, Materials and new Production Technologies) – 2011/2012

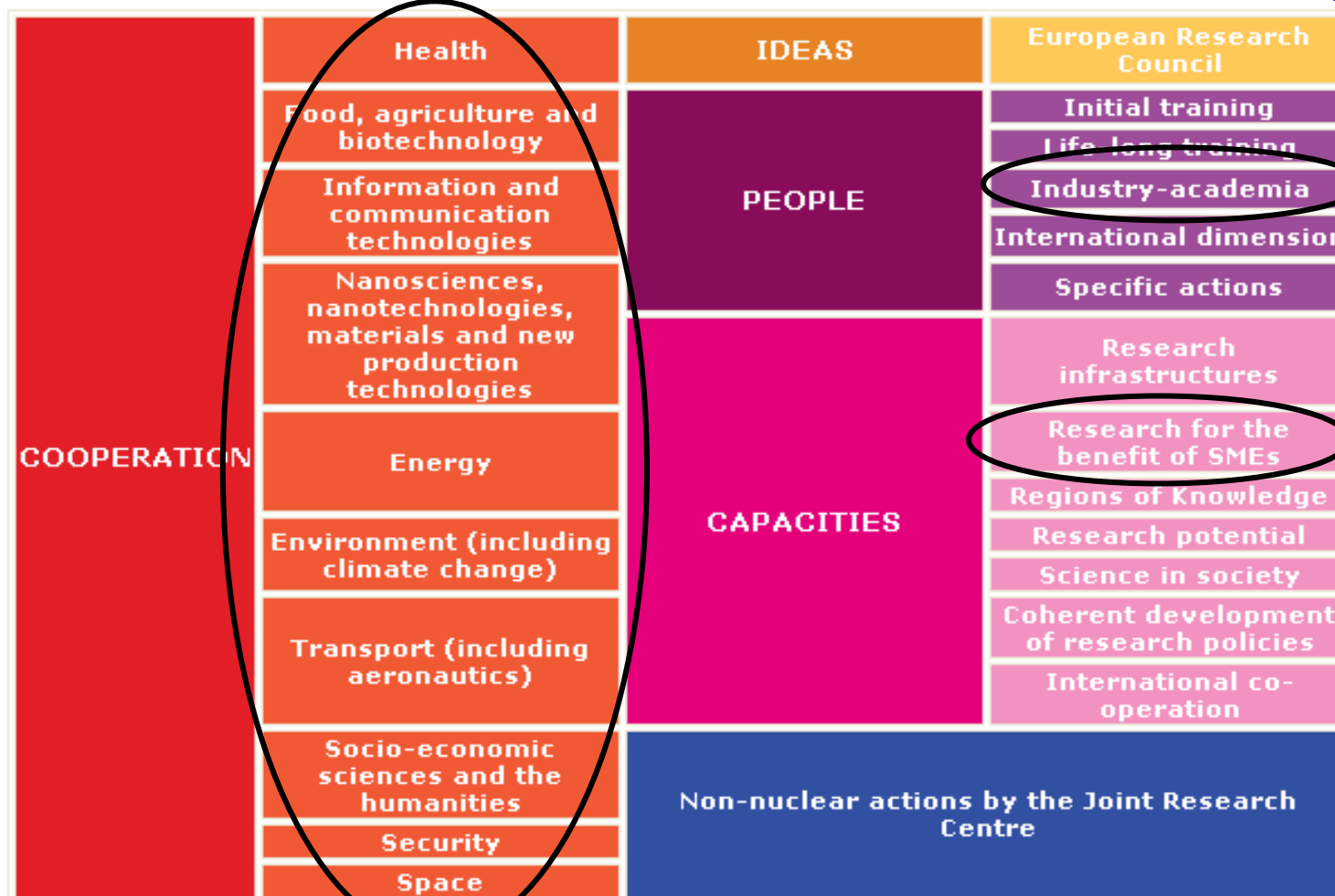
Framework Programme 7- Industrial Technologies Research Opportunities

- **FP7: Bioelectric Surface:** NMP Funded project - Developing technology both to combat MRSA and improve stent performance using surface charge. Coordinated by the University of Limerick's MSSI – 12 partners including Cook Medical and Beocare a Killarney based SME supplying hospital garments
- **FP7: FutureSME:** A Large Integrated NMP funded project, with six Irish partners, including GMIT and 20 partners from other countries; coordinated by the University of Strathclyde. It will develop a business model for SMEs for the next 10 to 15 years. As part of this, it will develop a series of tools to improve strategic planning, productivity, innovation and overall enterprise profitability
- **FP6: EMPOSME:** Funded under Research for the Benefit of SMEs: Developing software to optimise the manufacturing process. 11 Partners including UL, UCC an Irish software development company MANOPT Systems – Successful in securing follow-up FP7 project
- **FP5: Particulate Filters for Automotive Diesel engines:** 90% of the cars on today's market use these filters developed in a Framework 5 funded project (1999-2003) technology on the market 3 months after the completion of the project
- **Airbus:** The European competitor to Boeing has benefited from significant Framework funding that has led to many of its technological advances
- **The World Wide Web:** (as we know it) CERN received EU funding in the early 1990s that contributed to the formation of W3C which evolved into the WWW

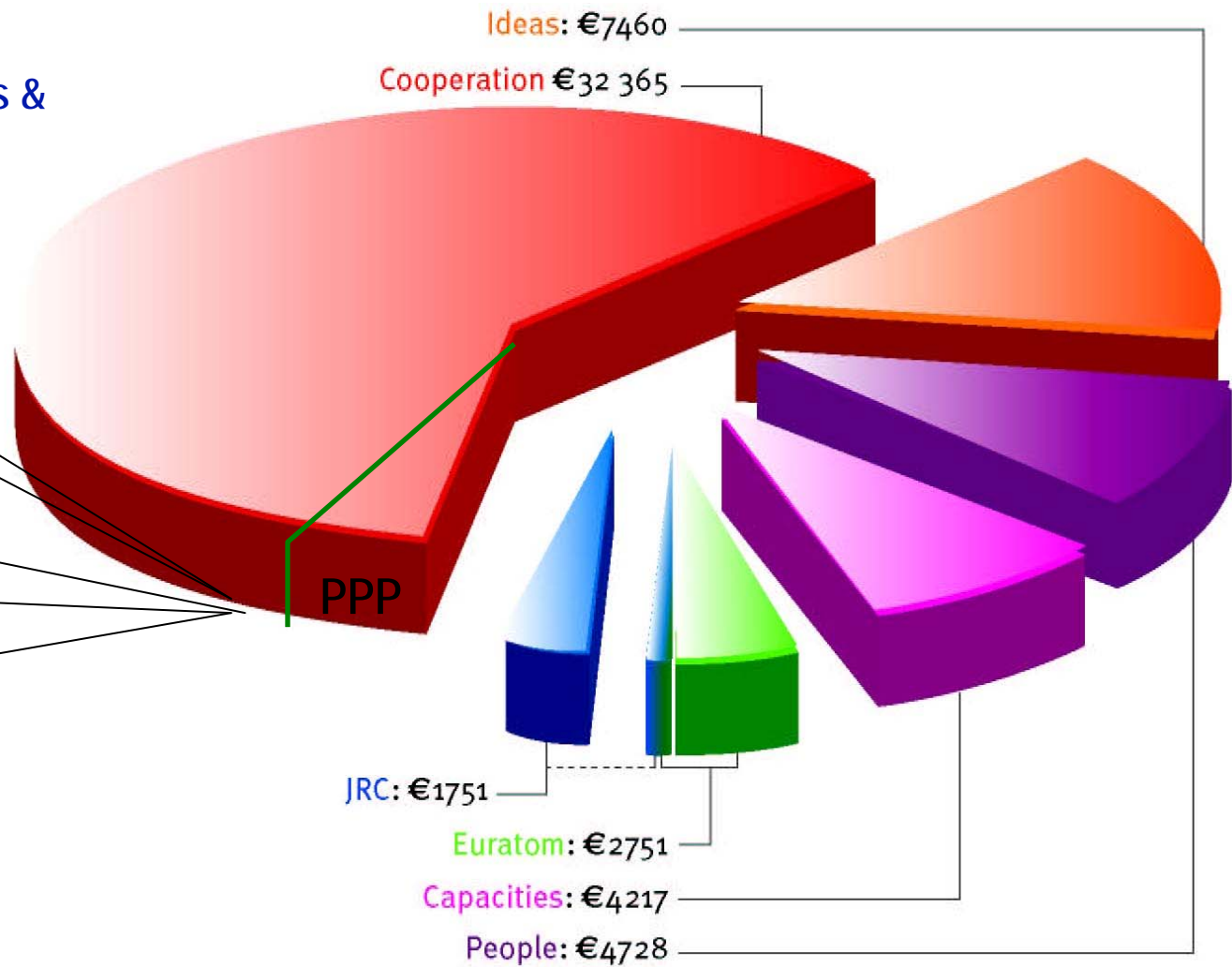
- FP7 is the EU mechanism to fund *collaborative 'Research and Development' work* among entities in EU member states and beyond.
- FP7 runs from 2007 – 2013, Budget is **over €50 Billion** & covers 4 Specific Programmes:
 1. Cooperation (€32.4 Billion);
 2. Ideas (€7.5 Billion);
 3. People (€4.7 Billion);
 4. Capacities (€4.2 Billion).
- Universities, **SMEs**, MNCs, can participate in the different areas of the programme.
- Funding rates for FP7 vary but, all in all, are the *most generous* of any R&D programme in the *world*. As a result – very competitive with an average Irish success rate of approx 24%.
- Minimum 3 separate legal entities in 3 separate countries – **Innovative Technology Development** projects with a high EU/Global **impact** in typically a 1- 5 Year timeframe.
- **It is NOT short term Research/Consultancy and hence NOT for everyone**

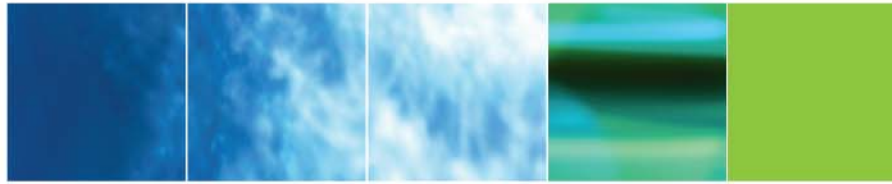


Framework 7 Structure 2007 – 2013 : SME input



Health;
 Food, Agriculture, Fisheries & Biotechnology;
 ICT;
 NMP-
 Nano-sciences,
 Nanotechnologies
 Materials and new
 Production Technologies;
 Energy;
 Environment (including
 Climate Change);
 Transport
 (including Aeronautics);
 Socio-economic Sciences
 and Humanities;
 Space;
 Security





Private Public Partnerships from 2010-2013

WANTED!

Industry

REWARD!

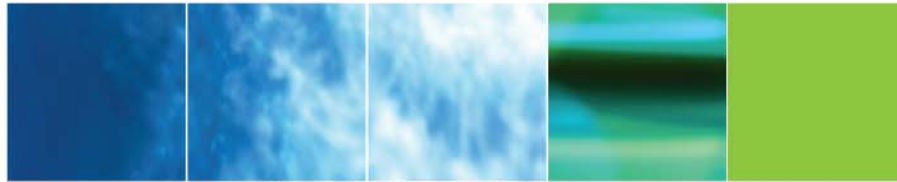
€3.2billion has been committed to a new EU R&D initiative towards some of the most traditional EU sectors in response to the recession

€1.2bn – Factories of the Future (Manufacturing industry)

€1.0bn – Energy Efficient Buildings

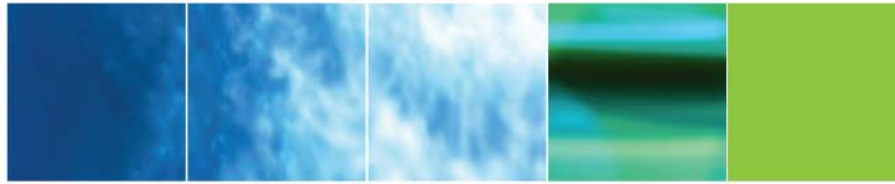
€1.0bn – Green Car

www.fp7ireland.com



Framework Programme 7 – PPPs

- **€3.2billion** has been committed from FP7 to a new EU initiative as the commission's response to economic recovery – Aimed at some of the sectors worst affected by the global economic crisis – Private Public Partnerships from 2010-2013
 - ◆ €1.2bn – **Factories of the Future** (Manufacturing)
 - ◆ €1.0bn – **Energy Efficient Buildings** (Construction)
 - ◆ €1.0bn – **Green Cars** (Automotive)
- Collaborative projects run for 2-4 years depending of the programme.
- Typical funding for industry partners from €100-400k; Typical number of partners 7-10.
- **SMEs and MNCs** are an **essential** part of a consortium
- Call 1 – 2009/2010 – Irish Industrial successes include: **Kingspan, Crospon, Intel**
- Call 2 – 2010/2011 – **Shannon Coiled Springs, Aerogen, Delap and Waller, Intel**
- Call 3- Workprogramme formulation – expected publication – **July 2011**
- **23 June, Limerick: Irish Information Day**
- **11/12 July, Brussels: Info day + brokerage event**



Policy context - Production in NMP

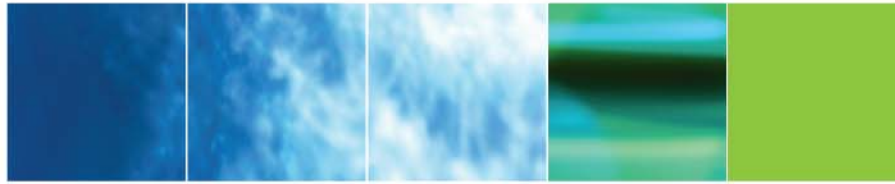
- Drivers
 - ◆ Knowledge, Sustainability, Competitiveness, Innovation, Recovery, Social aspects
- Grand Challenges - Vision 2020
 - ◆ Employment, Safety, Health, Environment, Transport, Energy and Communications
- Recovery package
 - ◆ Public Private Partnerships, support to Industry

“Factories of the future” PPP initiative

- Manufacturing is the driving force in the EU’s economy, with 21% of GDP and 20% of all jobs

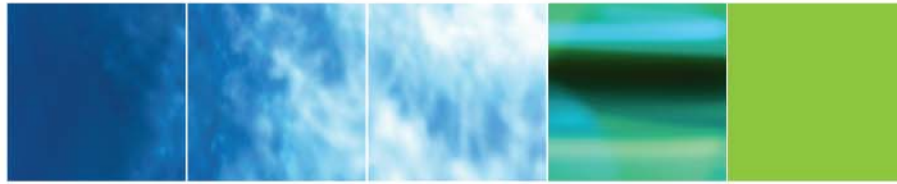
“Energy-efficient buildings” PPP initiative

- The Construction industry accounts for 10% of EU’s GDP and gives jobs to 32 million people
- Buildings represent 40% of energy use and 33% of Green House Gas emissions



RTD objectives to meet the policy guidelines

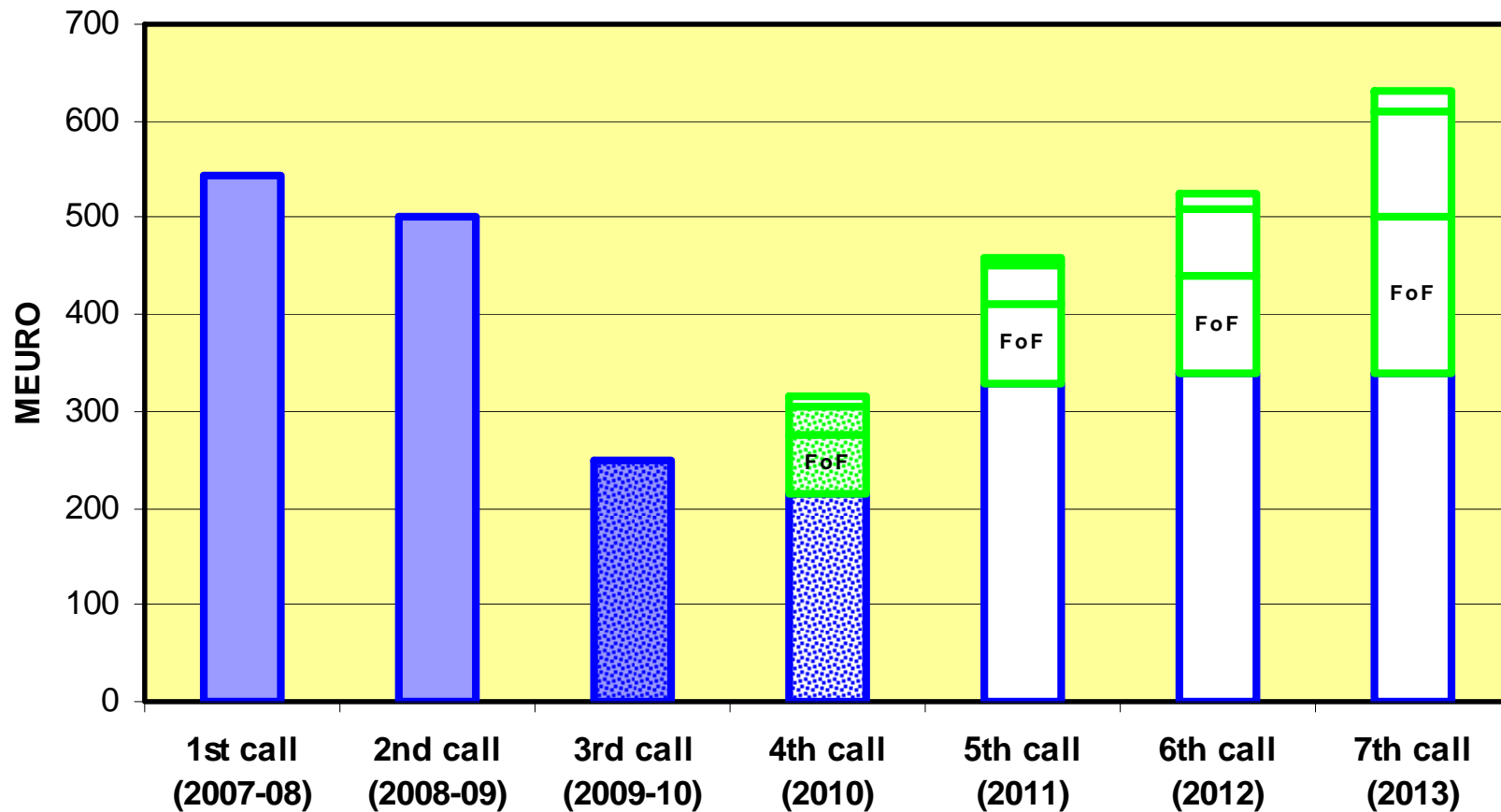
- **EU research policy will be one of the motors of our sustainable development**
 - boost research, development and innovation
 - make a reality of the European Research Area
- **New framework for public-private partnerships**
 - bring different sources of funding together
- **Refocusing on key areas, in particular:**
 - more industry-driven applied R&D to bring new, leading edge products and clean technologies to markets

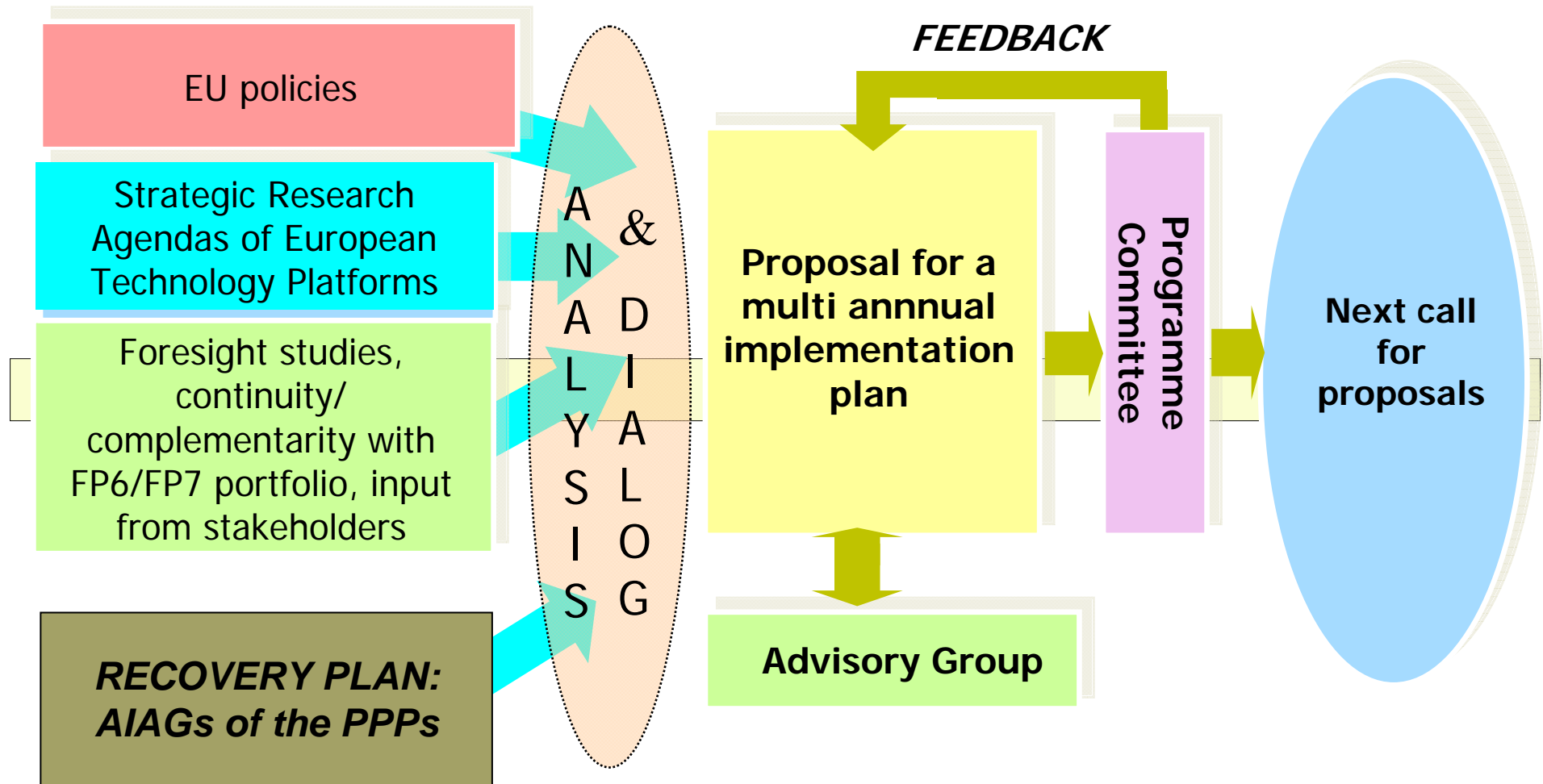


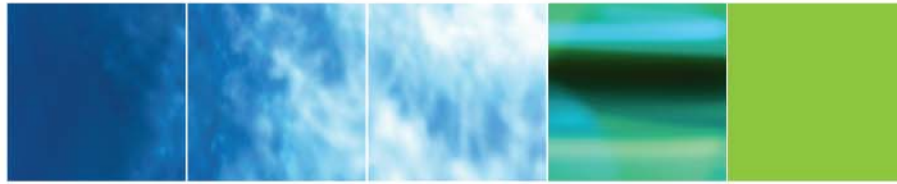
NMP objectives in FP7

- generate and apply knowledge for our industry
- improve competitiveness in many industrial sectors
- from resource-intensive to knowledge-intensive
- sustainable and safe production and consumption
- increase the value added to products and processes
- multi-disciplinary and multi-sectoral approach
- new high-tech or traditional industries and SMEs

FP7-NMP Tentative Budget Distribution

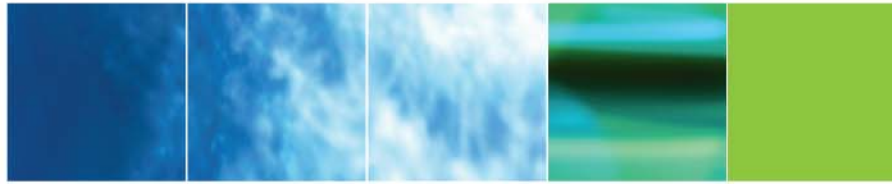






Why Bother? - What's in it for companies

- Access to significant non-exchequer external funding to support R&D activities to improve company bottom line
- Access to specific external expertise – nationally and internationally, complementary skills, tools, methodologies, and new targets technology watching brief and acquisition
- Identification of new IP opportunities and consolidation of existing IP
- Access to new (primarily EU) commercial markets through building relationships with partners and potential customers
- Prelude to recruiting additional internal resource and development of new directions
- Particular value of fellowship training programmes for mobility and diversity goals
- Benefits of involvement in large projects that could not be funded within any single country



Ireland and FP7 – the first 4 years...

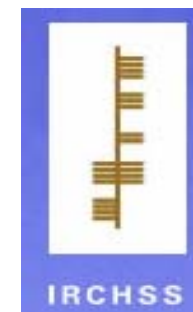
- Ireland has maintained a strong performance to date with participation **AHEAD** of national target ~1.5% Vs target of 1.25% of budget
 - ◆ €270M – 850 successful applicants from 3,500 participations - success rate of ~24%
- Funding to industry at €67M has bypassed FP6 (2.5 years versus 5 years)
 - ◆ Approx €67M (25%) has been secured by private industry with approx €50M (74% of industry funding) to SMEs.
- As economic conditions have deteriorated nationally (and internationally), FP7 comes into its own as a non-exchequer funding source & budget is growing year on year [2011: €8bn; 2012: €9bn 2013: €10bn]
 - ◆ Early indications of commercial success: particularly in ICT and NMP: where academics are contributing to spin-outs and licences; SMEs contributing to product development.

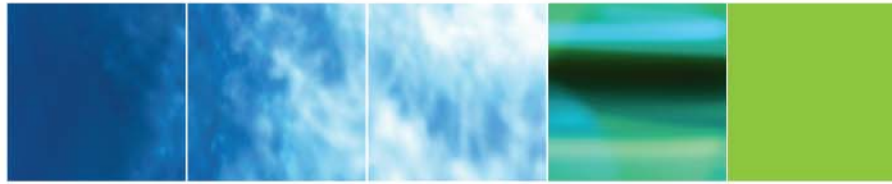
...Where next – Local support available – use it!



National Support Network

- Dedicated national office at heart of a distributed network of delegates and full-time contact points
- National Experts assigned to all areas





Thank You

Information on NMP: <http://www.nmpteam.eu>

For a direct route into FP7 and to register go to: www.fp7ireland.com



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