



Advisory Council for Science
Technology and Innovation
An Comhairle Eolaíochta

Horizon 2020

National Consultative Workshop

7 December 2011

7 December 2011

Advisory Council for Science, Technology and Innovation
An Comhairle Eolaíochta



Advisory Council for Science
Technology and Innovation
An Comhairle Eolaíochta

Questions

- Where are the opportunities for Ireland in the three pillars of Horizon 2020 as described by the EC?
- Where are the issues for Ireland in the three pillars of Horizon 2020 as described by the EC?
- What do we need to do nationally to maximise participation in Horizon 2020?
- Any other policy issues for consideration?



Advisory Council for Science
Technology and Innovation
An Comhairle Eolaíochta

Excellent Science

- ERC
 - Opportunities = synergies programme (but competitive); complementary funding to MS ;
 - Challenges = misalignment between IRL and EU; can't cover all MS gaps with EU €; capacity within IRL system;
 - Use of incentives to enable engagement
 - SSH – done well so capitalise on it
 - Need coaching, mentoring nationally; keep coming back (learn from feedback) ; full-time national support system
 - Be evaluator – and use their experience too



Advisory Council for Science
Technology and Innovation
An Comhairle Eolaíochta

Excellent Science

- Marie Curie
 - very positive on content , build on success
 - concerned about budget – competition will increase
 - COFUND huge opportunity (university and agencies)
 - Industry/academic partnership – build on what is there already

- National fee issue



Advisory Council for Science
Technology and Innovation
An Comhairle Eolaíochta

Excellent Science

- Future and Emerging Technologies
 - Balance needs to be achieved
 - Need to understand balance with other FET related progs
 - Flagship projects – will money be tied up there?
 - How maximise Irish involvement across all activities?
 - Include SHH
 - NCP needed
 - Policy



Advisory Council for Science
Technology and Innovation
An Comhairle Eolaíochta

Excellent Science

- Infrastructures
 - Well understood?
 - Synergies with other programmes, ensuring access
 - Use of PRTLTI to engage internationally?
 - Will national roadmap be updated?
 - Balance with industry involvement? List infrastructures
 - HSS involvement good – how maintain
- Many different rules in simplification
- Government buy-in
- Maintain NCPs, Irish people on advisory boards
- Influence national policy early



Advisory Council for Science
Technology and Innovation
An Comhairle Eolaíochta

Industrial Leadership

- Enabling and industrial technologies
 - ICT (and biotech) well-represented, carry into H2020, Many enterprise opportunities MNCs. ICT is EVERYWHERE!
 - Space – good ESA connections – leverage
 - Materials – lower participation
 - Not much PharmaChem – broaden?
- Issues
 - Overhead support, proposal preparation (MS/EU), IPR issues a barrier, long timeframe for decisions; Risk Finance: Unclear of details – may only suit start-ups
 - CSETs, PRTL I – participate as one entrant
 - Unifying and simplifying JTI mechanisms
 - National Support Structure (for all), proposal writing help,
 - National priorities to match EU ones



Advisory Council for Science
Technology and Innovation
An Comhairle Eolaíochta

Industrial Leadership

- Opportunities
 - CSETs and SRCs working well
 - SMEs – access to risk finance, rate of return – IRL position to catch the European funds
 - SME in food low, mostly large dairies: opportunity in H2020 e.g. Proof of concept, demonstrators
 - SBIR-type programme: positive reaction
 - Reduction in time to grant, simplification
- Issues
- IP, especially in food sector
- Bring forward H2020 into FP7 on pilot basis?



Advisory Council for Science
Technology and Innovation
An Comhairle Eolaíochta

Industrial Leadership

- National Issues
 - National system (ICT)
 - IP
 - SME here behind international partners on receiving information
 - More support for academic-industry brokering
- Policy Issues
 - Support Irish sectors under-represented in H2020 e.g. food



Advisory Council for Science
Technology and Innovation
An Comhairle Eolaíochta

Societal Challenges

- Some key areas for IRL covered in H2020
- Links to other priority areas
- Recruitment embargo – researcher tension
- H2020 has an important role for irish research



Advisory Council for Science
Technology and Innovation
An Comhairle Eolaíochta

Societal Challenges

- Good national expertise and infrastructures (e.g. SSH) but need to bring SMEs in more strongly
- Convergence of ICT and life science (apply to agri, marine, energy), Develop services as well as patents, licences
- Additional fund to bring project to completion, fund at MS level the projects which just miss EU funding
- SME and researcher come together early
- Encourage industrial PhDs
- Synergies with other pillars
- Licensing needs to be addressed
- Policy development takes too long!



Advisory Council for Science
Technology and Innovation
An Comhairle Eolaíochta

Societal Challenges

- Opportunities for Ireland in H2020
- Issues
 - Promote with MNCs (e.g. Grid, connectivity)
 - Collaboration (e.g. Nano)
 - Recognise value of SSH – integrated approach
 - Need national co-funding
- Actions to maximise IRL participation
 - Promote,
 - Have strong national support system



Advisory Council for Science
Technology and Innovation
An Comhairle Eolaíochta

Other issues

- Simplification (too simplified? one set of rules)
- Administration (rules of procedure)
- Auditing
- Remember this is one part of the EU system – research, enterprise, agriculture, marine
- Leveraging potential across 3 priorities
- Engage with the whole system – expert evaluator, panel member, committee participant



Advisory Council for Science
Technology and Innovation
An Comhairle Eolaíochta

Other national issues

- Avoid under-investing in R&D in Ireland
- Employment control framework (need people at all levels of research – not chiefs or indians!)
- Public engagement
- National support system



Advisory Council for Science
Technology and Innovation
An Comhairle Eolaíochta

Purpose of workshop

- Learning more about EC **PROPOSALS**
www.ec.europa.eu/research/horizon2020
- Discussing the three priorities and implications for Ireland, maximising participation
- Informing the national view on Horizon 2020 (ACSTI report, presentations www.forfas.ie)
 - Additional comments? Email framework@forfas.ie (by Christmas, please!)
 - Material from this workshop will be sent to you
- Encouraging you to communicate key national views more widely and to engage with Horizon 2020



Advisory Council for Science
Technology and Innovation
An Comhairle Eolaíochta

Horizon 2020

National Consultative Workshop
7 December 2011

***Thank you for your (continuing)
participation***

7 December 2011

Advisory Council for Science, Technology and Innovation
An Comhairle Eolaíochta