



Introduction to Horizon 2020

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Introduction to Horizon 2020

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What is Horizon 2020?

- The biggest EU Research and Innovation programme ever with nearly €80 billion of funding available over 7 years (2014 to 2020)
- Emphasis on excellent science, industrial leadership and tackling societal challenges
- The goal is to ensure Europe
 - produces world-class science,
 - removes barriers to innovation
 - makes it easier for the public and private sectors to work together in delivering innovation.

The Three Pillars of Horizon 2020

Excellent Science

- *European Research Council*
- *Future and Emerging Technologies*
- *Marie Curie actions*
- *Research Infrastructures*

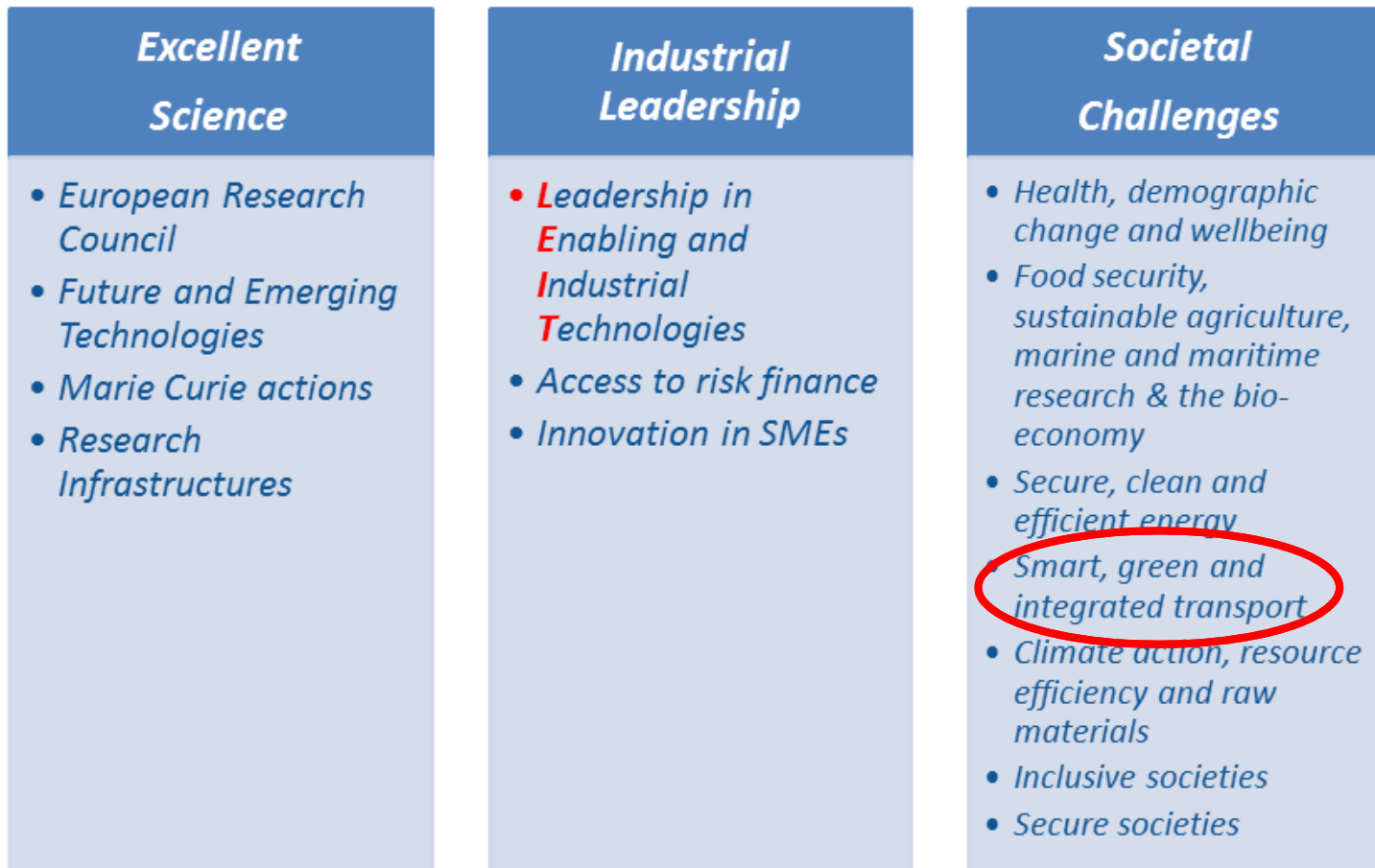
Industrial Leadership

- *Leadership in Enabling and Industrial Technologies*
- *Access to risk finance*
- *Innovation in SMEs*

Societal Challenges

- *Health, demographic change and wellbeing*
- *Food security, sustainable agriculture, marine and maritime research & the bio-economy*
- *Secure, clean and efficient energy*
- *Smart, green and integrated transport*
- *Climate action, resource efficiency and raw materials*
- *Inclusive societies*
- *Secure societies*

The Three Pillars of Horizon 2020



Structure of Smart, Green and Integrated Transport

- Joint Undertakings
 - Clean Sky
 - SESAR
 - Shift2Rail
- Collaborative Work Programme
 - Mobility for Growth
 - Automated Road Vehicles
 - European Green Vehicle Initiative
 - Small Business Instrument

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Funding available through Open Competition in 2016/2017 for Rail Sector

- Shift2Rail (~€120m)
- Mobility for Growth (€210.1m/€225.5m)
 - Aviation
 - Waterborne
 - Safety
 - Urban Mobility
 - Logistics
 - Intelligent Transport Systems
 - Infrastructure
 - Socio-Economic and Behavioural Research and Forward Looking Activities for Policy Making
- Small Business Instrument (€57.8m/€61.2m)

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**All Information about
Shift2Rail Open Calls
in this presentation is**

DRAFT and subject to change

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Mobility for Growth - 2014 Results

| Ranked by funding allocation | Potential participation | Retained participation | % Participation success | EU contribution (€) | % funding allocation |
|------------------------------|-------------------------|------------------------|-------------------------|---------------------|----------------------|
| Germany | 505 | 160 | 31.7 | 77,728,252 | 19.9 |
| France | 299 | 100 | 33.4 | 38,773,408 | 9.9 |
| UK | 306 | 107 | 35.0 | 37,098,183 | 9.5 |
| Netherlands | 261 | 91 | 34.9 | 36,607,384 | 9.4 |
| Italy | 381 | 106 | 27.8 | 35,649,885 | 9.1 |
| Spain | 306 | 84 | 27.5 | 27,138,047 | 7.0 |
| Grand Total | 3345 | 1056 | 31.6 | 390,138,962 | |

What is a National Contact Point (NCP)?

- National Contact Points are (UK) publicly funded and offer an accessible, free and confidential service for all types of organisations interested participating in Horizon 2020.
- National Contact Points will give impartial advice regarding European funding, tailored to each individual business and organisation.
- Many NCPs (but not all) are also National Experts with a seat at the Programme Committee to advise the National Delegate

Three types of Action (Call for Proposals)

- Research and Innovation Action (RIA)
 - Low Technology Readiness Level research and innovation (TRL)
 - All organisations funded at 100% of direct costs plus additional 25% towards indirect costs
- Innovation Actions (IA)
 - Higher TRL
 - All non-profit organisations funded same as RIA
 - For-profit-organisations funded at 70% of direct costs plus additional 25% of that towards indirect costs
- Coordination and Support Actions (CSA)
 - Coming together in large networks to discuss and agree potential research, standards, legislation, etc
 - Funded same as RIA (ie 100% +25% for all)

Basic eligibility criteria for Mobility for Growth

- RIA and IA
 - At least three independent organisations from three different qualifying countries
- CSA
 - No official minimum but by their nature they must have significant collaboration
- SME Instrument
 - Must be an SME
 - No collaboration required
 - Subject of a recorded webinar available to download

Evaluation Criteria

- Excellence
 - Impact
 - Quality and efficiency of the Implementation
-
- All scored out of 5 (so maximum score is 15)
 - Guidance to Evaluators is [published](#) – read it
 - All suitable personnel should be [enrolled](#) as potential Evaluators (i.e. Expert) as this gives very valuable insight

Submission process

- All on line via [Participant Portal](#)
- Submission is either Single Stage or Two Stage
- Single Stage is as it sounds, for Mobility for Growth, 2016 closes on 26th Jan 2016
- Two Stage for Mobility for Growth :
 - 1st Stage is 15 pages, Excellence and Impact only, closes 20th Jan 2016
 - 2nd Stage, if successful at Stage 1, is full proposal, closes on 29th Sep 2016

Useful sources of information

- Templates for proposals (RIA/IA/CSA) exist that give information about what each section should contain
- [IPR Helpdesk](#) has templates for e.g. Memoranda of Understanding between potential collaborators
- [Annotated Model Grant Agreement](#) is THE rule book
- European Transport NCPs have a [website](#) for partner search
- UK NCP always happy to answer questions, review proposals, recommend additional sources of help, etc

How to build a winning team AND influence future calls for proposals

- Get involved
 - Join a European Technology Platform and get involved in their working groups – they work to advise the EC as to the future programme requirements
 - Join and be active in other European bodies such as Trade organisations or networks
 - Participate in a CSA – your basic costs will be covered
- All of these initiatives have the benefits of:
 - Working alongside potential future partners
 - Demonstrating to others your value as a partner
 - Helping to inform the future work programme

Any Questions?

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Follow me on Twitter @NCP_Transport

Register [here](#) to get regular updates

Check the box marked Smart, Green and Integrated Transport

The background features a central blue horizontal band containing the text "Thank you". Above and below this band are two rows of three colored rectangular blocks each. The top row consists of a light green block, a dark teal block, and a bright green block. The bottom row consists of a dark blue block, a very dark navy blue block, and a dark forest green block.

Thank you