

Training Module:

1 – Introduction to HORIZON 2020



Characteristics of EU R&I Activities

- Transnational collaboration (min. 3 partners/3 countries)
- Open to all: Industry, SMEs, Universities,...)
- Consortia selected via Calls for Proposals and evaluation procedures involving a set of multiple criteria and independent experts
- Strategic objectives - programme oriented
- Innovative, based on science & technology excellence
- Competitive - competition of the best teams in EU
- R&I results are the property of the participants

The new H2020 Structure

Leadership in Enabling and Industrial Technologies - LEIT 24%

Enabling Technologies

ICT

Nanotech

Adv.
Materials

Biotech

Manufac-
turing

Space

Access to Risk Finance

Innovation in SMEs

Excellent Science 33%

- European Research Council
- FET
- Marie Curie
- Research Infrastructures

Societal Challenges 43%

HEALTH

FOOD ...

Efficient
Energy

Smart
Transport

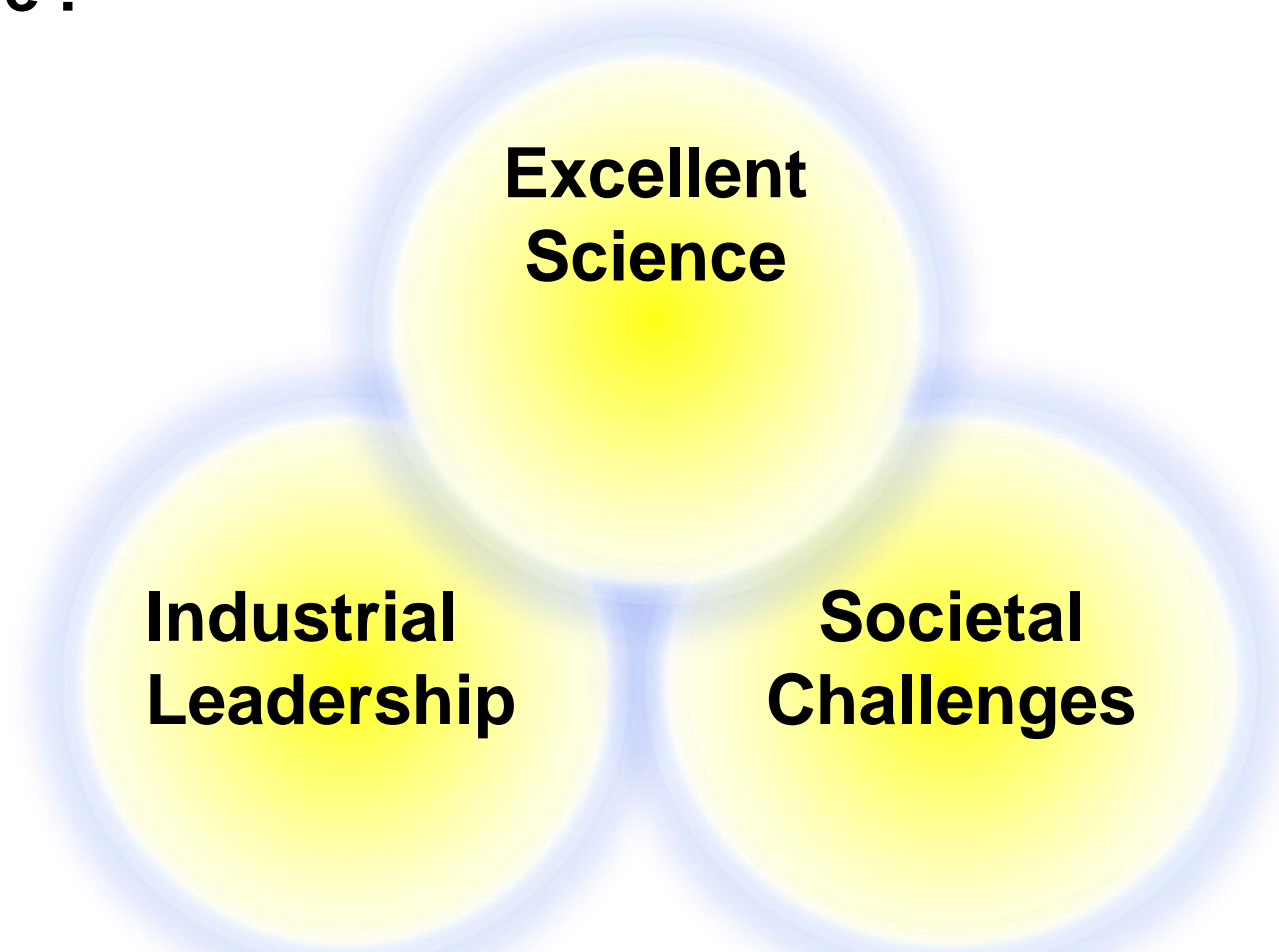
Climate

Inclusive
Societies

Secure
Societies

The H2020 Structure

Important: the clear boundary between the sub-programmes has gone !



The H2020 Structure

Part I Excellent Science

1. EUROPEAN RESEARCH COUNCIL
2. FUTURE AND EMERGING TECHNOLOGIES
3. MARIE CURIE ACTIONS
4. RESEARCH INFRASTRUCTURES

The H2020 Structure

Part II Industrial Leadership

1. LEADERSHIP IN ENABLING AND INDUSTRIAL TECHNOLOGIES – LEIT

- Information and Communication Technologies (ICT)
- Nanotechnologies
- Advanced materials
- Biotechnology
- Advanced Manufacturing and Processing
- Space

The H2020 Structure

Part III Societal Challenges

1. Health, Demographic Change and Wellbeing
2. Food Security, Sustainable Agriculture, Marine and Maritime Research and The Bio-Economy
3. Secure, Clean and Efficient Energy
4. Smart, Green and Integrated Transport
5. Climate Action, Resource Efficiency and Raw Materials
6. Inclusive Societies
7. Secure societies

FP7 was called the

Framework Programme for Research and
Development

H2020 is called the

Framework Programme for Research and
Innovation

What is Innovation ?

- Innovation is the process and outcome of creating something new, which is also of value.
- Innovation involves the whole process from opportunity identification, research or invention to development, prototyping, production marketing and sales, while entrepreneurship only needs to involve commercialization (Schumpeter)

What is Innovation ?

- Traditionally the focus has been on new products or processes, but recently new **business models** have come into focus, i.e. the way a company delivers value and secures profits.

How easy will it be to get H2020 funding ?

The competition will be as high as in FP7, with an average success rate of 15%.

But also, as before, excellent proposals that are fully in line with the objectives of a call stand a realistic chance to win.

The promises are that procedures will be simplified and processes faster.

Types of actions supported by grants

- **Research and Innovation Actions**
- **Innovation Actions**
- **Coordination and Support Actions**
- **SME instrument**
- ERANET Co-fund
- Pre-commercial procurement Co-fund
- Public procurement of innovative solutions Co-fund

Types of actions and forms of funding 1/3

Research and Innovation Action includes basic and applied research, technology development and integration, testing and validation on a small-scale - **100% funding rate**

Innovation Action produces plans and arrangements or designs for new, altered or improved products, processes or services - **70% funding rate** (100% for non-profit legal entities)

Overlaps: 'prototyping', 'testing', 'demonstrating' and 'piloting' possible in Innovation Actions as well as in Research and Innovation Actions;

Innovation Actions may include limited **research and development activities**

Coordination and Support Action primarily consists of accompanying measures, coordination or support services, policy dialogues and mutual learning exercises and studies, networking and coordination between programmes in different countries, etc. - **100% funding rate**

SME Instrument is targeted at all types of innovative SMEs showing a strong ambition to develop, grow and internationalise:

- **phase 1** - feasibility study verifying the technological/practical and economic viability of an innovation idea/concept with considerable novelty to the industry sector - **50 000 €**;
- **phase 2** - addresses specific challenge and demonstrates high potential in terms of company competitiveness and growth underpinned by a strategic business plan - **70%**;
- **phase 3** – commercialisation - **no financial support**

Fast track to innovation (pilot will be launched in 2015): continuously open call with three cut-off dates per year; maximum of 5 partners/**maximum €3 M** per project

Prizes (*recognition or inducement*): the contestant must not have received any other EU prize before that in the subject of the current competition – depending on WP, **varies**

Marie Skłodowska-Curie actions (Innovative Training Networks (ITN); Individual Fellowships (IF); Research and Innovation Staff Exchange (RISE)) - **varies**

Types of actions and forms of funding 3/3

Programme Co-fund Actions:

- **ERA-net** supports public-public partnerships, including joint programming initiatives between Member States, in their preparation, establishment of networking structures, design, implementation and coordination of joint activities - **33%**
- **Pre-Commercial Procurement (PCP)** cofunding for a group of procurers ('buyers group') to undertake together one joint PCP procurement leading to one joint evaluation of offers - **70%**
- **Public Procurement of Innovative Solutions (PPI)** enables groups of procurers to share the risks of acting as early adopters of innovative solutions, whilst opening market opportunities for industry - **20%**
- **Marie Skłodowska-Curie actions** - cofunding of regional, national and international programmes (COFUND)) - **varies**

European Joint Programme (EJP) - supports coordinated national research and innovation programmes in implementing a joint programme of activities (research, innovation, coordination, training, dissemination activities)

Research and innovation actions

- Actions primarily consisting of activities aiming to establish new knowledge and/or to explore the feasibility of a new or improved technology, product, process, service or solution.
- For this purpose they may include basic and applied research, technology development and integration, testing and validation on a small-scale prototype in a laboratory or simulated environment.

Innovation actions

- Actions primarily consisting of activities directly aiming at producing plans and arrangements or designs for new, altered or improved products, processes or services.
- For this purpose they may include prototyping, testing, demonstrating, piloting, large-scale product validation and market replication.

Coordination and support actions

Actions consisting primarily of **accompanying measures** such as standardisation, dissemination, awareness-raising and communication, networking, coordination or support services, policy dialogues and mutual learning exercises and studies, including design studies for new infrastructure and may also include complementary activities of networking and coordination between programmes in different countries.

Rules of Participation

Minimum conditions

- For standard collaborative actions
 - At least, 3 legal entities, each established in different MS/AC
- For SME Instrument, programme co-fund, CSA
 - 1 legal entity established in a MS/AC

Additional conditions

- To be set out in the Work Programme (i.e. number of participants, type of participants, etc.)

Evaluation of proposals

Award criteria

- Excellence
- Impact
 - *Higher weighting for innovation actions*
- Quality and efficiency in the implementation
- Details, weightings and thresholds be laid down in WP
- Evaluation carried out by independent experts
- Possibility of a 2 stage submission procedure

Selection criteria

- Operational capacity
In terms of professional competencies and qualifications required for the proposed action.
- Financial capacity
- Only coordinators of actions worth EU contribution equal or superior to 500.000 EUR will be checked, except specific cases
- No verification for public bodies, entities guaranteed by MS or AC and higher and secondary education establishments

Simplified Funding Model

One reimbursement rate by action

The same rate for all beneficiaries and all activities:

- Up to 100% for Research and Innovation actions
- Up to 70% for innovation (non-profit entities up to 100%)
- Up to 70% for PCP co-fund, 33% for ERANET co-fund, 20% for PPI co-fund

Simplified Funding Model

One method for calculation of indirect costs:

- Flat rate of 25% of total direct costs, excluding subcontracting, costs of third parties and financial support to third parties
- If provided in WP, lump sum or unit costs

Funding of the action not exceed total eligible costs minus receipts

Eligible costs

Main cost categories:

- Personnel costs
- Costs of subcontracting
- Other direct costs
 - Travel costs and subsistence allowances
 - Depreciation costs of equipment
 - Costs of other goods and services (including non-deductible VAT)

Rules to allow costs for large infrastructure are under discussion

Personnel costs (1)

- **Salaries + social security charges + other costs included in the remuneration arising from national law/employment contract**
- **Additional remuneration** up to 8000 EUR (per year) for non-profit legal entities
- **Actual worked hours**
 - Based on time recording system except for staff working full time on an EU action
- **Unit costs for**
 - average personnel costs
 - SME owner and natural person with no salary

Simplification: Summary

- Single set of simpler and more coherent participation rules
- New balance between trust and control
- Moving from several funding rates for different beneficiaries and activities to just two
- Replacing the four methods to calculate overhead or «indirect costs» with a single flat rate
- Major simplification under the forthcoming financial regulation
- Successful applicants to get working more quickly: time-to-grant of 8 months; exceptions for the ERC and in duly justified cases

Thank you !