EIRICT Information Meeting on ICT in H2020 WP 2016-2017

Thursday, 17 September 2015
Location: Filmzaal, De Zwarte Doos
Purpose of today’s meeting

- Provide concise overview of H2020
- Discuss WP’s 2016-2017 & opportunities for ICT research
- Review of results of H2020 calls in 2015
- Guidelines for developing successful consortia and proposals and support @ TU/e
- Supply info about relevant events, information sources and support re. WP’s 2016-2017
Meeting agenda:

12:15 PM     Welcome & Introduction EIRICT
             Johan Lukkien, Peter van Otterloo (EIRICT)

12:30 PM     H2020 Program
             Peter van Otterloo (EIRICT)

12:45 PM     Results from second ICT-LEIT/SC1 call H2020-2015
             Gerard Verschuren (Innovation Lab)

13:00 PM     H2020-ICT WP 2016-2017 and other ICT topics in WP’s 2016-2017
             Peter van Otterloo (EIRICT)

13:20 PM     Q&A

13:30 PM     End
What is EIRICT

3TU
Netherlands Institute for Research on ICT

DIRECT
Delft

CTIT
Twente

EIRICT
ICT @ TU/e

~ 60 chairs
4+3 departments
What is EIRICT?

• Interdepartmental TU/e Institute, directly reporting to CvB

• Representing / organizing ICT@TU/e

• eirict.win.tue.nl: ~60 TU/e chairs in 7 departments

• Johan Lukkien, Peter van Otterloo, Anjolein Gouma
Why?

- Increase *impact* and *recognizability* of ICT @ TU/e
  - clear profile for ICT @ TU/e: *externally*
  - ICT participation within TU/e SAs

*What can the ICT research community contribute to the strategic areas of the TU/e?*

*What can the ICT research community contribute to the strategic areas of the TU/e?* and

*Which challenges do the strategic areas pose to ICT research?*

- improve collaboration, financing, valorization
  - EU, EIT Digital, industry, institutes
- become *leading* in some ICT topics
Environment of ICT @ TU/e

High Tech Industry (OCE, ASML, Philips, NXP, FEI, ...)

SME Service companies

Hospitals, Care Public sector

Institutes (TNO, TNO-ESI, Holst...)

Government NWO, STW, ZonMw RvO.nl Topsectors – HTSM, ICT
Basic Services

- Information
  - together with Innovation Lab: training and information sessions
  - examination of call information
  - our ‘best guess’ translation to relevant people
    - bring to attention
    - agenda monitoring [reactive → proactive]

- Visiting events
  - e.g. match-making, kick-offs, national information

- … and reporting
  - lunch-meetings: quick overviews + suggestions

- (Challenge) maintain an accessible trail of this on the EIRICT site
Strategic Multi-Stage Process

- Community Development
- Program Development
- Call Development
- Proposal Ideation
- Consortium Development
- Proposal Development
- Proposal Submission

-3
-2
-1
0
1

Communities
Programs
Calls
Proposals
Projects
Results
Particular services, industry programs (on request)

- Consultation
  - e.g. providing access to successful examples

- *Managing* proposals for several parties at TU/e
  - possible strategy: take the lead in a proposal with 2-3 groups

- *Writing* proposal-parts
  - only if it is of strategic importance

- *Solving problems* around proposals
  - finding contacts
    - e.g. consortia, a remote company in an EID
  - contacting authorities

- Suggestions?
  - more attention to national developments?
Particular services, excellent science

- Personal grants (ERC), some Marie Curie
  - spot opportunities, suggest to particular people
  - organize consultation (on request!)
    - successful proposals
    - successful people
Further project development support @ TU/e

- **Research Support Office TU/e Innovation Lab:**
  - [Gerard Verschuren](#) (WP’s, EU+RvO Contacts, Formal Documents, Results)
  - [Karoline Duijvesz](#) (e.g. Marie Skłodowska-Curie actions)
  - [Jan van der Wulp](#) (Budgets)
  - [Baukje Rongen](#) / [Theo Elfring](#) (Legal Support)

- **PDO @ M&CS:**
  - [Wil Schilders](#), [Joost Gabriëls](#), [Connie Cantrijn](#), [Harold Weffers](#), [Martijn Klabbers](#), [Alessandro di Bucchianico](#) (Project development support)

- **CWT/e @ EE:**
  - [Jan Haagh](#)

- **Strategic Area Energy:**
  - [Mark Mietus](#)

- **Strategic Area Smart Mobility:**
  - [Ben Rutten](#)
An appreciation of the situation

• In a moment Gerard Verschuren will present the results from previous H2020 calls

• Experience is required; quality is decisive; some luck helps

• What quality?
  • proposal must fit the call very well
    − calls are rather specific these days
  • proposal text, particularly the explanations of goals and achievements, must be nice, fluent, clear
    − call-fitting must be easy to check
  • consortium must be well-balanced to the task, and the added value of each partner must be clear
  • proposal has been properly ‘lobbied’ for (might increase the luck)….visits to PO in Brussels prior to submission
Proposal construction

• Essential is a crisp context and problem description, as well as advantage over the state-of-the-art, *in an as early stage as possible*
  • a ‘bottom-up’ approach in which each partner files her ‘wishes’ does not work
• Workpackage descriptions must
  • clearly address the explained challenges
  • show collaboration of partners according to their strengths
• Meetings (small ones) and discussion increase the quality tremendously!
• Pitfalls:
  • problem statement detached from WP descriptions
  • WP descriptions not clearly connected
  • WPs merely show a list of partner contributions (after some introduction), and not how they together solve the problems
  • alignment procedures (for the FPP) are not agreed upon
  • writing without actually believing in it
  • not ambitious enough
THE FRAMEWORK PROGRAMME FOR RESEARCH AND INNOVATION

HORIZON 2020

HORIZON 2020
What is Horizon 2020

- €77 billion research and innovation funding programme (2014-2020) + private and national investments

- A core part of Europe 2020, Innovation Union & European Research Area:
  - Responding to the economic crisis to invest in future jobs and growth
  - Addressing people’s concerns about their livelihoods, safety and environment
  - Strengthening the EU’s global position in research, innovation and technology
What's new

• **A single programme** bringing together three separate programmes/initiatives*

• **Coupling research to innovation** – from research to retail, all forms of innovation

• **Focus on societal challenges** facing EU society, e.g. health, clean energy and transport

• **Simplified access**, for all companies, universities, institutes in all EU countries and beyond

* The 7th Research Framework Programme (FP7), innovation aspects of Competitiveness and Innovation Framework Programme (CIP), EU contribution to the European Institute of Innovation and Technology (EIT)
Three priorities

- Excellent science
- Industrial leadership
- Societal challenges
Coverage of the full innovation chain

Societal challenges

Industrial leadership

Excellent science

Basic Research

Demonstration

Technology

Prototyping

Large scale validation

Pilots

Market uptake
Horizon 2020 (2014-2020)

Europe 2020 priorities

Shared objectives and principles
Common rules, toolkit of funding schemes

Societal Challenges
- Health, demographic change and wellbeing
- Food security, sustainable agriculture and the bio-based economy
- Secure, clean and efficient energy
- Smart, green and integrated transport
- Climate action, Resource Efficiency and Raw Materials
- Inclusive societies
- Secure societies

Industrial Leadership
- Leadership in enabling and industrial technologies (ICT, nano, materials, bio, manufacturing, space)
- Access to risk finance
- Innovation in SMEs

Excellent Science
- European Research Council
- Future and Emerging Technologies
- Marie Curie actions on skills, training and career development
- Research infrastructures

Supporting the objectives:
European Institute for Innovation and Technology
Joint Research Centre

TU/e
Technische Universiteit Eindhoven
University of Technology

Eindhoven Institute for Research on ICT
H2020 - Priority 1: Excellent Science

• European Research Council (ERC)
  Frontier research by the best individual teams

• Future and Emerging Technologies (FET)
  Collaborative research to open new fields of innovation

• Marie Skłodowska-Curie actions
  Opportunities for training and career development

• Research infrastructures (incl. e-infrastructure)
  Ensuring access to world-class facilities
H2020 - Priority 2: Industrial Leadership

- Leadership in enabling and industrial technologies (LEIT):
  - Information and communication technologies (ICT)
  - Nanotechnologies, advanced materials, advanced manufacturing and processing, biotechnology
  - Space

- Access to risk finance
  Leveraging private finance and venture capital for research and innovation

- Innovation in SMEs
  Fostering all forms of innovation in all types of SMEs
H2020 - Priority 3: Societal Challenges

- Health, demographic change and wellbeing
- Food security, sustainable agriculture, marine and maritime research & the bioeconomy
- Secure, clean and efficient energy
- Smart, green and integrated transport
- Climate action, resource efficiency and raw materials
- Inclusive societies
- Secure societies
H2020 Budget Distribution

HORIzON 2020 Budget (in current prices 2013)
<table>
<thead>
<tr>
<th>ERC Starting Grants</th>
<th>ERC Consolidator Grants</th>
</tr>
</thead>
<tbody>
<tr>
<td>Support top researchers with 2 to 7 years of experience after their PhD</td>
<td>Support top researchers with 7 to 12 years of experience after their PhD</td>
</tr>
<tr>
<td>Grants amount to up to €2 million for five years</td>
<td>Grants amount to up to €2.75 million for five years</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ERC Advanced Grants</th>
<th>ERC Proof of Concept</th>
</tr>
</thead>
<tbody>
<tr>
<td>Open to excellent established researchers who have a recent research track-record which identifies them as leaders in their respective field of research</td>
<td>For ERC grant holders only</td>
</tr>
<tr>
<td>Grants amount up to €3.5 million for five years</td>
<td>Bridging gap between research - earliest stage of marketable innovation</td>
</tr>
<tr>
<td></td>
<td>Grants amount up to €150,000</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ERC Synergy Grants</th>
</tr>
</thead>
<tbody>
<tr>
<td>Support small groups of individual researchers</td>
</tr>
<tr>
<td>Grants amount up to 15 million euro for a period up to 6 years.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ERC 2014-2020 Funding:</th>
</tr>
</thead>
<tbody>
<tr>
<td>€ 13.095 billion</td>
</tr>
</tbody>
</table>
Excellent Science: FET

**FET Open**
Funds **new ideas** for radically new future technologies, inspired by **cutting-edge science**, unconventional collaborations or new research and innovation practices.

**FET Proactive**
nurthes **emerging themes**, seeking to establish a critical mass of European researchers in a number of **promising exploratory research topics**.

**FET Flagships** are 1-billion, 10-years initiatives, focusing on an **ambitious scientific and technological challenge**:
- understanding the **Human Brain**
- developing the new materials such as **Graphene**.

**FET 2014-2020 Funding:**
€ 2.696 billion
Excellent Science: Marie Skłodowska-Curie actions

**Research networks (ITN):**
support for Innovative Training Networks

**Individual fellowships (IF):**
support for experienced researchers undertaking mobility between countries, optionally to the non-academic sector

**Research and Innovation Staff Exchanges (RISE):**
Foster international and inter-sectoral cooperation

**Co-funding** of regional, national and international programmes that finance fellowships involving mobility to or from another country

**The European Researchers’ Night (NIGHT)**
Europe-wide public event to stimulate interest in research careers

**MCSA 2014-2020 Funding:**
€ 6.162 billion
H2020 Action Types

• Research and Innovation Actions (RIA)
• Innovation Actions (IA)
• Coordination and Support Actions (CSA)
• Frontier Research Grants (ERC)
• Support for training and career development – Marie Skłodowska-Curie actions (MSCA)
• SME Instrument (SME)
• Fast Track to Innovation (FTI)

Detailed information in: [H2020 Types of Action](http://EURESEARCH.CH) from EURESEARCH.CH
**H2020 – RIA & IA**

**Note:** In concrete cases, the Av. EU Contrib. figures may differ. The conditions specified in the call text and in associated documents are always decisive.

<table>
<thead>
<tr>
<th>Type of Action</th>
<th>RIA</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Description</strong></td>
<td>Collaborative Research; clearly defined challenges; development of new knowledge or new technology.</td>
</tr>
<tr>
<td><strong>Minimal Consortium</strong></td>
<td>≥ 3 legal entities from 3 MS/AC</td>
</tr>
<tr>
<td><strong>Typical Duration</strong></td>
<td>36-48 months</td>
</tr>
<tr>
<td><strong>Funding</strong></td>
<td>100% of eligible costs</td>
</tr>
<tr>
<td><strong>Av. EU Contrib.</strong></td>
<td>2.0 – 5.0 M€</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Type of Action</th>
<th>IA</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Description</strong></td>
<td>Closer-to-market activities; Produce plans &amp; arrangements or designs for new, altered or improved products, processes or services.</td>
</tr>
<tr>
<td><strong>Minimal Consortium</strong></td>
<td>≥ 3 legal entities from 3 MS/AC</td>
</tr>
<tr>
<td><strong>Typical Duration</strong></td>
<td>30-36 months</td>
</tr>
<tr>
<td><strong>Funding</strong></td>
<td>70% - 100% of eligible costs (depending on partner type)</td>
</tr>
<tr>
<td><strong>Av. EU Contrib.</strong></td>
<td>2.0 – 5.0 M€</td>
</tr>
</tbody>
</table>
# H2020 – CSA & ERC Grants

**Note:** In concrete cases, the Av. EU Contrib. figures may differ. The conditions specified in the call text and in associated documents are always decisive.

## CSA

<table>
<thead>
<tr>
<th>Type of Action</th>
<th>Description</th>
<th>Minimal Consortium</th>
<th>Typical Duration</th>
<th>Funding</th>
<th>Av. EU Contrib.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description</td>
<td>Accompanying measures (standardisation, dissemination, policy dialogues etc.), no research.</td>
<td>1 legal entity</td>
<td>12-30 months</td>
<td>100% of eligible costs</td>
<td>0.5 – 2.0 M€</td>
</tr>
</tbody>
</table>

## ERC Grants

<table>
<thead>
<tr>
<th>Type of Action</th>
<th>Description</th>
<th>Minimal Consortium</th>
<th>Typical Duration</th>
<th>Funding</th>
<th>Av. EU Contrib.</th>
</tr>
</thead>
</table>
| Description    | Support excellent investigators and their research teams to pursue ground-breaking, high-gain/ high-risk research. | 1 legal entity in MS/AC | 60 months | 100% of eligible costs | Starting: ≤ € 2.0 M€; Consolidator: ≤ € 2.75M€; Advanced: ≤ € 3.5 M€.
H2020 Participant Portal: Reference Documents

European Commission> Research & Innovation> Participant Portal> Reference Documents

• Legal basis
• Model grant agreement
• H2020 Grants Manual
• H2020 Prizes Manual
• H2020 Experts Manual
• Specific guidelines
• Work Programmes
  • 2014-15
    • Main WP
      • General Annexes to the Main WP
      • European Research Council
      • Euratom
  • 2016-17
    • Main WP
    • General Annexes to the Main WP
    • European Research Council
    • Euratom
• Templates & forms
• Lists of H2020 expert evaluators
H2020 Participant Portal: Reference Documents

.... > 2014-15 > Main WP

• Main WP
  Main Work Programme - corrigendum
  1. Introduction v.2.0
  2. Future and Emerging Technologies (FETs) v.2.0
  3. Marie Skłodowska-Curie actions (MSCA) v.2.0
  4. Research Infrastructures (Including e-Infrastructures) v.2.1
  5. Introduction to Leadership in enabling and industrial technologies (LEITs) v.2.0
    5i. Information and communication technologies (ICT) v.2.1
    5ii. Nanotechnologies, advanced materials, advanced manufacturing and processing, biotechnology v.2.1
    5iii. Space v.2.2
  6. Access to risk finance v.2.2
  7. Innovation in SMEs v.2.1
  8. Health, demographic change and wellbeing v.2.2
  9. Food security, sustainable agriculture and forestry, marine and maritime and inland water research and the bioeconomy v.2.1
  10. Secure, clean and efficient energy v.2.2
  11. Smart, green and integrated transport v.2.1
  12. Climate action, environment, resource efficiency and raw materials v.2.2
  13. Europe in a changing world - inclusive, innovative and reflective societies v.2.2
  14. Secure societies - protecting freedom and security of Europe and its citizens v.2.1
  15. Spreading excellence and widening participation v.2.2
  16. Science with and for society v.2.2
  17. Communication and Dissemination v.2.0
  18. Fast Track to Innovation v2.0
H2020 Participant Portal: Reference Documents

European Commission> Research & Innovation> Participant Portal> Reference Documents

- Legal basis
- Model grant agreement
- H2020 Prizes Manual
- Specific guidelines
- Work Programmes
  - 2014-15
    - Main WP
    - General Annexes to the Main WP
  - European Research Council
    - ERC Work Programme 2014
    - ERC Work Programme 2015
  - Euratom
  - 2016-17
    - Main WP
    - General Annexes to the Main WP
    - European Research Council
      - ERC Work Programme 2016
  - Euratom
- Templates & forms
- Lists of H2020 expert evaluators
H2020 Program Overview & links

- H2020 Program
- H2020 Reference documents (including WP’s)
- H2020 WP 2016-2017 Draft WP’s
- (Open) Calls for Proposals
On this page you will find draft versions of the Horizon 2020 work programmes for 2016-2017. These documents are being made public just before the adoption process of the work programme to provide potential participants with the currently expected main lines of the work programme 2016-2017. They are not yet endorsed by the Commission and they do not in any way prejudge the final decision of the Commission.

The adoption and the publication of the work programme by the Commission are expected in mid-October 2015. Only the adopted work programme will have legal value.

This adoption will be announced on the [Horizon 2020 website](http://www.h2020.eu) and on the [Participant Portal](http://www.participant-portal.eu).

02. FET 2016-2017  
03. MSCA 2016-2017  
04. Infrastructures 2016-2017  
05. LEIT Introduction 2016-2017  
05i. LEIT-ICT 2016-2017  
05ii. LEIT-NMBP 2016-2017  
05iii. LEIT-Space 2016-2017  
08. SC1-Health 2016-2017  
09. SC2-Food 2016-2017  
10. SC3-Energy 2016-2017  
11. SC4-Transport 2016-2017  
12. SC5-Climate Action 2016-2017  
13. SC6-Inclusive Societies 2016-2017  
14. SC7-Secure Societies 2016-2017  
16. SWAFS 2016-2017  
17. Cross-Cutting Activities 2016-2017  

Euratom 2016-2017
Results from second ICT-LEIT/SC1 call H2020-2015
Gerard Verschuren-TU/e Innovation Lab
15 September 2015
EIRICT lunch meeting

Valorization Academy
<table>
<thead>
<tr>
<th>Category</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Submitted proposals</td>
<td>1298</td>
</tr>
<tr>
<td>Ineligible</td>
<td>23</td>
</tr>
<tr>
<td>Eligible</td>
<td>1275</td>
</tr>
<tr>
<td>Proposals evaluated above thresh.</td>
<td>638</td>
</tr>
<tr>
<td>Funded proposals</td>
<td>~150</td>
</tr>
<tr>
<td>Proposals above threshold</td>
<td>49.1%</td>
</tr>
<tr>
<td>Proposals funded</td>
<td>~12.0%</td>
</tr>
<tr>
<td>Requested budget 638 prop.</td>
<td>2,489 M€</td>
</tr>
<tr>
<td>Call budget</td>
<td>546 M€</td>
</tr>
</tbody>
</table>
## Statistics TU/e ICT proposals

<table>
<thead>
<tr>
<th>Call</th>
<th>Prop.</th>
<th>Fund.</th>
<th>%</th>
<th>%€</th>
</tr>
</thead>
<tbody>
<tr>
<td>FP7-call 10</td>
<td>49</td>
<td>8</td>
<td>16,3</td>
<td>10,8</td>
</tr>
<tr>
<td>FP7-call 11</td>
<td>24</td>
<td>4</td>
<td>16,7</td>
<td>14,0</td>
</tr>
<tr>
<td>Horizon 2020 – 2014*</td>
<td>42 (34+8)</td>
<td>7</td>
<td>16,7</td>
<td>11,8</td>
</tr>
<tr>
<td>Horizon 2020 – 2015*</td>
<td>54 (35+19)</td>
<td>6</td>
<td>11,1</td>
<td>9,3</td>
</tr>
<tr>
<td>Type of projects 2014:</td>
<td>RIA – 33</td>
<td>IA – 6</td>
<td>CSA – 3</td>
<td></td>
</tr>
<tr>
<td>Type of projects 2015:</td>
<td>RIA – 51</td>
<td>IA – 2</td>
<td>CSA – 1</td>
<td></td>
</tr>
</tbody>
</table>

Horizon 2020 - 2014 proposals TU/e above thresholds 74% *(10 LEIT-ICT / 12 SC1 Health)*

Horizon 2020 - 2015 proposals TU/e above thresholds 50% *(10 LEIT-ICT / 12 SC1 Health)*

*(including ICT topics in SC 1 Health)*
# Horizon 2020 Statistics per department @ TU/e

<table>
<thead>
<tr>
<th>Department</th>
<th>Prop.</th>
<th>M€</th>
<th>Funded %</th>
<th>M€</th>
</tr>
</thead>
<tbody>
<tr>
<td>BMT</td>
<td>8</td>
<td>3,2</td>
<td>1</td>
<td>13</td>
</tr>
<tr>
<td>BWK</td>
<td>2</td>
<td>0,6</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>EE</td>
<td>13</td>
<td>8,8</td>
<td>4</td>
<td>31</td>
</tr>
<tr>
<td>ID</td>
<td>7</td>
<td>3,3</td>
<td>1</td>
<td>14</td>
</tr>
<tr>
<td>IE&amp;IS</td>
<td>9</td>
<td>3,8</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>ST</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>TN</td>
<td>1</td>
<td>0,5</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>W</td>
<td>3</td>
<td>2,8</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>WSKI</td>
<td>11</td>
<td>5,4</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Total</td>
<td>54</td>
<td>28,4</td>
<td>6</td>
<td>11%</td>
</tr>
</tbody>
</table>

**TU/e Innovation Lab**
• The X part is insufficiently explained
• The X architecture is not sufficiently detailed
• The requirements on the user side are plausible, but have not been analyzed in quantitative details
• There is some concern whether the broad range of goals will be really achieved with the proposed approach, as many details are still open or not described in sufficient detail
• Progress beyond the state of the art is moderate
• A serious weakness is that a detailed evaluation of its effects on learning is not sufficiently addressed (serious gaming)
• Although the description of the testbed itself is very detailed, it is unclear how the prototype will be integrated in this environment
• Metrics for the quantitative evaluation of the objectives are not given in detail
• SME partners do not provide sufficiently detailed exploitation plans
• There is no specific provision for management of the research data resulting from the project.
• The proposal does not provide sufficient detail about IPR management
• Only a small number of deliverables are public, which may have implications for impact
• Global market trends are provided, but it is not completely evident to what extent the outcomes of the project will increase the competitive position of the companies in the consortium
• Dissemination measures, communication activities towards the general public, are not adequately discussed
• The exploitation plan for the industrial partner is not clearly presented
Estimates for the expected market penetration/share are not given
The analysis of blocking IPR is not sufficiently elaborated
The impact on educational practices is not well demonstrated (serious gaming)
The proposal describes the expected impacts only at a general level, in a qualitative way lacking effective quantification
Dissemination measures are only described in a generic way
Besides standardization, no further possibilities to attract further industrial partners for the approach have been identified
No goals in communication actions are included
Whilst there is some evidence of elements of innovation management in the proposal, it is not specifically addressed.
Some potential risks have been omitted and the level and probability of risk have not been estimated.
The proposal does not always provide sufficient detail about the tasks to be undertaken.
The scheduling of some tasks and deliverables is not always appropriate.
There is a discrepancy between the number/title of tasks in the work package descriptions and the Gantt Chart.
A limited number of risks are identified but these are described in a very generic way.
Mitigation measures are too generic.
Feedback from ESR (Implementation)

- Milestones are not sufficiently quantified in order to efficiently monitor the process
- The allocation for subcontracting is adequately justified (part B) although it is not listed in proposal part A (budget)
- Dispute resolution procedures are only briefly described
- The description of innovation management lacks specific details
- Risk management is only provided on work package level and the analysis is not exhaustive, for instance issues with the consortium in case of a failure of a partner or non-availability of a technology
- The project is following a waterfall approach which makes it difficult to manage interdependencies (e.g. the late development of uses cases will not allow feedback to the development work packages.)
• No winning project without appropriate innovation / exploitation activities
• Consortium should perfectly match the project and the impact to be reached
• Proposals should be complete with the correct level of detail in every paragraph
• Be critical and start in time, you need 6 months to develop a ‘winning’ proposal
• Ask early advice, ‘winning’ proposals are available
  – EIRICT (Peter van Otterloo/Johan Lukkien)
  – PDO department of Mathematics and Computer Science
  – Information Expertise Center TU/e (Open Access/Open data)
  – Research Support Office TU/e Innovation Lab
  – National Contact Points (RVO)
Contact

Research Support Office TU/e Innovation lab

Gerard Verschuren G.N.M.J.Verschuren@tue.nl
Tel + 31 40 247 5626
H2020-ICT WP 2016-2017 and other ICT topics in WP’s 2016-2017

Peter van Otterloo (EIRICT)

Lunchmeeting 2015-09-17
Draft WP 2016-2017 H2020-ICT available

WP 2016-2017 for H2020-ICT is executed in 4 call periods:

<table>
<thead>
<tr>
<th>WP</th>
<th>Call Open</th>
<th>Call Deadline</th>
</tr>
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<tbody>
<tr>
<td>2016</td>
<td>2015-10-20</td>
<td>2016-01-19</td>
</tr>
<tr>
<td>2016</td>
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Call topics have been clustered in themes:

<table>
<thead>
<tr>
<th>Theme</th>
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<tbody>
<tr>
<td>A new generation of components and systems</td>
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<tr>
<td>Advanced Computing and Cloud Computing</td>
</tr>
<tr>
<td>Future Internet</td>
</tr>
<tr>
<td>Content</td>
</tr>
<tr>
<td>Robotics and Autonomous Systems</td>
</tr>
<tr>
<td>Innovation and Entrepreneurship support</td>
</tr>
<tr>
<td>Responsibility and Creativity</td>
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<tr>
<td>International Cooperation Activities</td>
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### H2020-ICT WP 2016 calls

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<th>Call Deadline</th>
<th># Themes</th>
<th># Topics</th>
<th>Budget</th>
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# H2020-ICT WP 2017 calls

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<thead>
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<tr>
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<tr>
<td>Call Total</td>
<td>9</td>
<td>187</td>
<td>10</td>
<td>162</td>
</tr>
</tbody>
</table>
For Dept. M&CS, PDO (Joost Gabriëls c.s.) made a first scan of which topic would potentially provide an opportunity for whom.
How many projects will be awarded per topic & action type?

Example:

Theme: Future internet
Topic: ICT-07-2017 – 5G PPP Research and Validation of critical technologies and systems
Action Type: RIA
Budget: 100 M€
Expected project size: 5 - 8 M€

3 project strands:
- Strand 1: Wireless access & radio network
- Strand 2: High-capacity elastic – optical networks
- Strand 3: “Software network”

Number of projects per strand: 4 to 6
Launch of H2020-ICT WP 2016 Calls

- Launch event:
  - ICT 2015 Program comprises:
    * Policy conference on ICT in H2020 by EC
    * Exhibition of recent results and impact of EU ICT Research & Innovation
    * Information sessions on H2020-ICT WP 2016-2017 organized by EC Project Officers
    * Networking opportunities (e.g. F2F Brokerage Meetings – separate registration!)
  - Follow the [ICT 2015 Website](#)!
R&I in/with ICT in H2020 beyond H2020-ICT

• EC on role of ICT:
  – ICT represents 4.8% of EU economy
  – ICT generates 25% of expenditure in R&D in the EU
  – Investments in ICT drive 50% of EU productivity growth
  – ICT’s underpin innovation & competitiveness across sectors and enable scientific progress in all disciplines

• Hence:
  – Opportunities for R&I in/with ICT not limited to H2020-ICT (LEIT)
  – ICT related topics can be found in all priorities (i.e. 3 H2020 pillars):
    * Excellent Science
    * Industrial Leadership (LEIT)
    * Societal Challenges
<table>
<thead>
<tr>
<th>Call identifier</th>
<th>Starting Grant</th>
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<th>Advanced Grant</th>
<th>Proof-of-Concept Grant</th>
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<td>ERC-2016-AdG</td>
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<td>2016-02-02</td>
<td>2016-09-01</td>
<td>2016-02-16 2016-05-26 2016-10-04</td>
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<tr>
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<td>485 M€ (335)</td>
<td>605 M€ (335)</td>
<td>540 M€ (235)</td>
<td>20 M€ (130)</td>
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# Summary of FET-2016-2017 Calls

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<td>2016-09-20</td>
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# Summary of MSCA-2016-2017 Calls

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How to find ICT topics?

• In the WP 2014-2015 period, guides were made by the EC and by NCP’s to point at ICT in the various H2020 calls →
  • We expect such guides also for WP 2016-2017
  • Guides will be on EIRICT website
Evaluation of Proposals (Pillar II and III)
Ref: Seán McCarthy

Submitted Proposals

- Eligibility check
- Quality evaluation:
  - Science (>=3/5)
  - Implementation (>=3/5)
  - Impact (>=3/5)
  - Threshold (>=10/15)

Done by

- EC
- External Evaluators

Eliminated proposals

- Non-eligible proposals
- Proposals < Any Threshold

Retained Proposals

- Prioritise Projects
- EC + Experts

Thresholds

- Not selected proposals

Selected Projects

Lists published: Rejected, Funded, Reserve

Note: In concrete cases, the threshold figures may differ somewhat. The conditions specified in the call text and in associated documents are always decisive.
EC Combatting Low Success Scores

• Measures from EC in response to complaints for low acceptance levels:
  – More 2-stage calls
  – More attention for Impact
Preparing a competitive H2020 proposal

• Requirements on the quality of a proposal are very high
• Competition among very good proposals is often very fierce
• Use:

“How to Write a Competitive Proposal for Horizon 2020”, pp.233
Seán McCarthy, Hyperion, Ireland – www.hyperion.ie
Obtain book through: Gerard Verschuren or Karoline Duijvesz
# Improve your proposal-writing skills

## What?

“*How to Write the Impact of a Horizon 2020 Proposal*” (1/2-day course)

## Who?

Dr. Seán McCarthy of [Hyperion LTD.](https://hyperionltd.com), Ireland

## When?

Thursday morning, 2015-11-05

## Where?

t.b.d.

## Organizers

TU/e Innovation Lab and TNO

## Cost

Free-of-charge for TU/e employees, registration required

## Registration

Send e-mail to [Karoline Duijvesz](mailto:karoline.duijvesz@tue.nl)
TU/e is organising an information meeting on Personal Grants:

- Rubicon, VENI-VIDI-VICI
- ERC (Starting, Consolidator, Advanced)
- Marie Skłodowska Curie Individual Fellowships.

Contributions from:

- Representatives from NWO and RVO
- Laureates of TU/e, sharing their experience

This event will take place on Tuesday afternoon 2015-09-22. If you want to participate please contact Karoline Duijvesz.