

FCT

Fundação para a Ciência e a Tecnologia
MINISTÉRIO DA CIÊNCIA, TECNOLOGIA E ENSINO SUPERIOR



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Saber mais sobre as calls e como candidatar-me

Conhecer melhor as candidaturas ao NMP e como preparar candidaturas

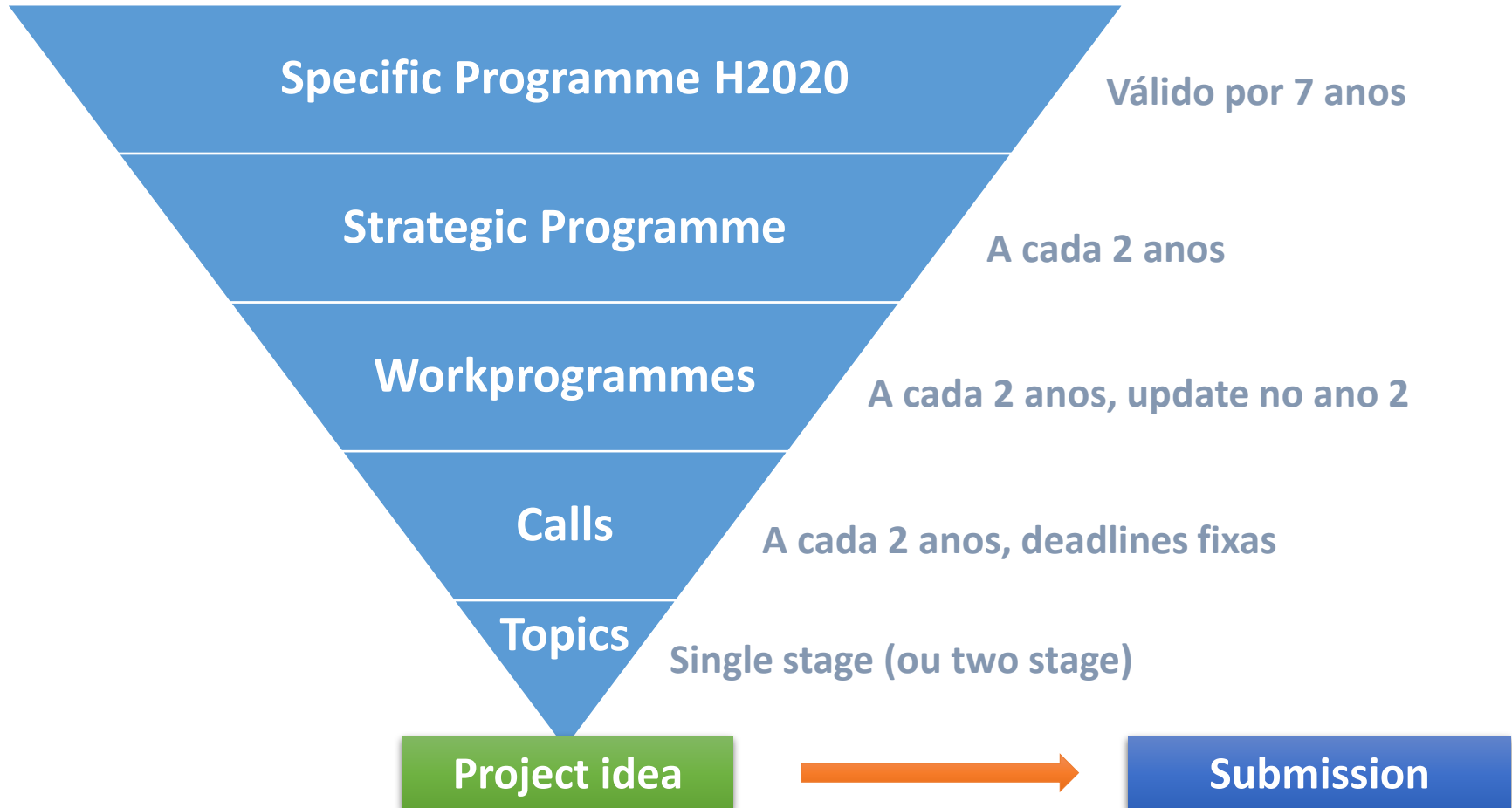
Perceber quais as questões mais importantes relacionadas com a preparação de candidaturas.

melhorar a preparação da proposta



Abordagem *Top down*

H2020 – do Programa.....ao Projeto!





EN

Horizon 2020

Work Programme 2018-2020

5.ii. *Nanotechnologies, Advanced Materials, Biotechnology and
Advanced Manufacturing and Processing*

Important notice on the Horizon 2020 Work Programme

This Work Programme covers 2018, 2019 and 2020. The parts that relate to 2019 and 2020 are provided at this stage on an indicative basis. Such Work Programme parts will be decided during 2018 and/or 2019.

(European Commission Decision C(2017)7124 of 27 October 2017)

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Como começar?

- Ter uma **ideia clara para um projeto**. O que é que exactamente propõe desenvolver?
- Consistente com o **tópico do programa de trabalhos!!**
- **Inovadora e potencial de exploração!** Em que é diferente/vantajosa em relação ao que já existe; potencial de comercialização, aplicação em várias cadeias de valor, conhecimento usado para outros projetos de I&D.
- **Qual é o Estado-da-Arte**. Verifique o que foi feito anteriormente - projetos já financiados nos anteriores **Programas Quadro** e **patentes submetidas**
- **Dimensão Europeia** (interesse Europeu)!





RESEARCH & INNOVATION

Participant Portal

European Commission > Research & Innovation > Participant Portal > Home

- HOME
- FUNDING OPPORTUNITIES
- HOW TO PARTICIPATE
- PROJECTS & RESULTS
- EXPERTS
- SUPPORT
- LOGIN
- REGISTER

- Participant Portal Grant Management Services may be experiencing issues with Legal Entity and Bank Account validations on **Thursday, 17.05.2018, from 19:00 until 22:00 CET.**
- Participant Portal Expert Management Services Contracts and Payments may be experiencing issues with Legal Entity and Bank Account validations on **Thursday, 17.05.2018, from 19:00 until 22:00 CET.**

We apologise for any inconvenience this may cause.

Participant Portal Submission service will be unavailable on **Friday, 18.05.2018, from 08:00 until 10:00 (CET)**, while system maintenance is performed.

We apologise for any inconvenience this may cause.



HORIZON 2020

Dashboard

H2020 DASHBOARD:

Statistics on H2020 proposals, success rates, funded projects and participants.

Projects for Policy (P4P)



Horizon 2020 Funding

Starting from 1/1/2014

EU Programmes 2014-2020

Search Topics

Updates



Calls



H2020

3rd Health Programme

Asylum, Migration and Integration Fund

Consumer Programme

COSME

European Statistics Programme

Hercule III Programme

Internal Security Fund - Borders

Internal Security Fund - Police

Justice Programme

Pilot Projects & Preparatory Actions

Promotion of Agricultural Products

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Calls for Proposals



Horizon 2020

[Advanced search for topics](#)
[Calls for tenders on TED](#)

Research Infrastructures

Industrial Leadership

Leadership in enabling and industrial technologies (LEIT)

Information and Communication Technologies

Nanotechnologies

Advanced materials

Biotechnology

Advanced manufacturing and processing

Space

Calls for Proposals



Horizon 2020

[Advanced search for topics](#)
[Calls for tenders on TED](#)

- Research Infrastructures
- Industrial Leadership
 - Leadership in enabling and industrial technologies (LEIT)
 - Information and Communication Technologies
 - Nanotechnologies
 - Advanced materials
 - Biotechnology
 - Advanced manufacturing and processing
 - Space

Status Calls with forthcoming topics Calls with open topics Calls with only closed topics

Sort by Call title Call identifier Publication date

Industrial Leadership
**TRANSFORMING EUROPEAN
INDUSTRY**
H2020-NMBP-TR-IND-2018-
2020

Publication date: 27 October 2017

Industrial Leadership
**FOUNDATIONS FOR TOMORROW'S
INDUSTRY**
H2020-NMBP-TO-IND-2018-
2020

Publication date: 27 October 2017

Industrial Leadership
INDUSTRIAL SUSTAINABILITY
H2020-NMBP-ST-IND-2018-
2020

Publication date: 27 October 2017

In addition to the search facilities, the full list of H2020 Calls can be found [here](#).

Opening date: 16 October 2018

Deadline: 21 February 2019 17:00:00

Time Zone : (Brussels time)

Topic: **DT-FOF-06-2019: Refurbishment and re-manufacturing of large industrial equipment (IA)**

Forthcoming

Publication date: 27 October 2017

Focus area: Digitising and transforming European industry and services (DT)

Types of action: IA Innovation action

DeadlineModel: single-stage

Opening date: 16 October 2018

Deadline: 21 February 2019 17:00:00

Time Zone : (Brussels time)

Topic: **DT-FOF-08-2019: Pilot lines for modular factories (IA 50%)**

Forthcoming

Publication date: 27 October 2017

Focus area: Digitising and transforming European industry and services (DT)

Types of action: IA Innovation action

DeadlineModel: single-stage

Opening date: 16 October 2018

Deadline: 21 February 2019 17:00:00

Time Zone : (Brussels time)

Topic: **DT-FOF-12-2019: Handling systems for flexible materials (RIA)**

Forthcoming

Publication date: 27 October 2017

Focus area: Digitising and transforming European industry and services (DT)

Types of action: RIA Research and Innovation action

DeadlineModel: single-stage

Opening date: 16 October 2018

Deadline: 21 February 2019 17:00:00

Time Zone : (Brussels time)

Topic: **DT-NMBP-18-2019: Materials, manufacturing processes and devices for organic and large area electronics (IA)**

Forthcoming

Publication date: 27 October 2017

Focus area: Digitising and transforming European industry and services (DT)

Interpretar o tópico

Specific challenge:

apresenta o contexto, o problema a resolver e explica a intervenção necessária.

Scope: delinea o problema, especifica o foco e os limites da potencial ação (não descreve ou limita a abordagem específica).

Expected impact:

descreve os elementos chave do que é esperado conseguir em relação ao desafio.

Topic Description

Specific Challenge:

The handling of soft materials with the involvement of robots remains limited. The control systems of the robot need to be very sensitive, accurate and fast to prevent unwanted irreversible deformations and damages. Further research is needed in order to develop handling devices which are not pre-programmed for one specific task, but are intelligent and universally dexterous.

Future robots will have to be able to handle soft products while controlling their level of deformation, e.g. in situations where the objects are being manipulated with multiple contact points. Low-cost robots are essential. New handling technologies for flexible materials will lead to disruptive innovations in textile, paper and food processing, and will support a widespread implementation, in particular by SMEs.

Scope:

In order to automate production processes involving soft and flexible materials, Proposals need to cover both of the following areas:

- Innovative technologies for the handling of the soft and flexible materials such as gripping, moving, positioning, sorting, joining etc. so that it can be included in larger automated production processes. Low-cost and universal dexterity are key concepts;
- System solutions that can manage all product and material related data (size, shape, weight, colour, material composition, defects, etc.), so that their automated handling can be embedded in larger production and process management systems.

Activities should start at TRL 4 and achieve TRL 6 at the end of the project.

The Commission considers that proposals requesting a contribution from the EU between EUR 6 and 8 million would allow this specific challenge to be addressed appropriately. Nonetheless, this does not preclude submission and selection of proposals requesting other amounts.

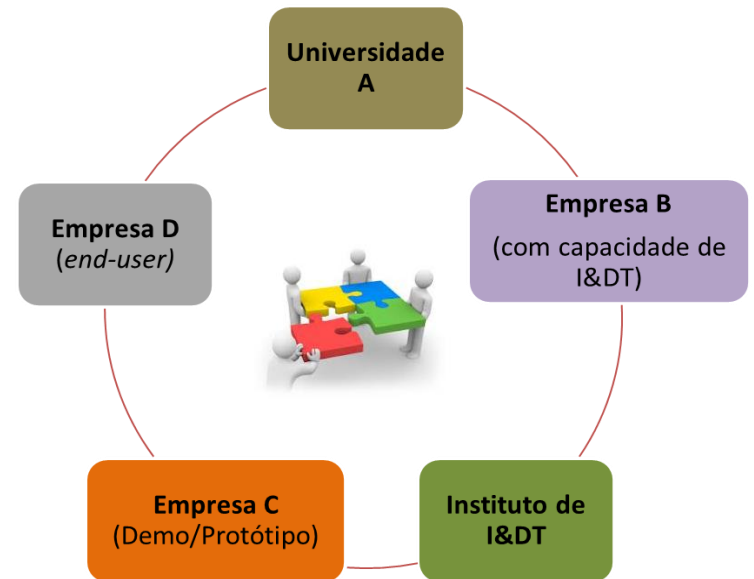
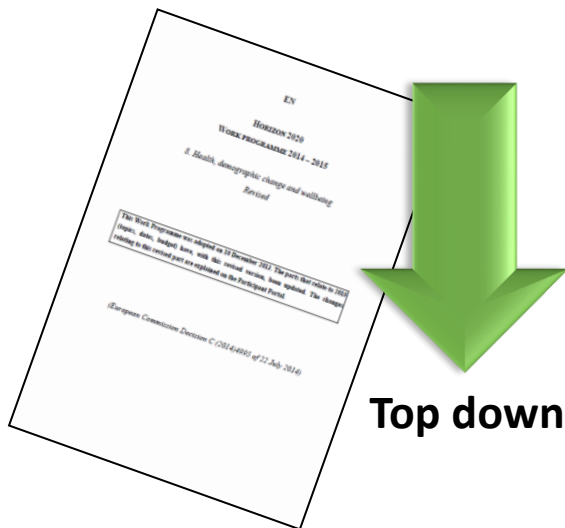
Expected Impact:

- Demonstrating the potential to bring back production to Europe;
- 15% increase in OECD Job Quality Index through work environment and safety improvement;
- 20% increase in productivity.

Relevant indicators and metrics, with baseline values, should be clearly stated in the proposal.

FINANCIAMENTO NO H2020 – COMO FUNCIONA?

- Programas de Trabalho bianuais
- Projetos em colaboração (mínimo 3 MS ou AC)



Associações/ Plataformas Tecnológicas Europeias

As ETPs são orientadas para a indústria e têm o objetivo de unir os vários stakeholders de um sector específico

Plataformas Tecnológicas lideradas pela indústria, com acompanhamento da CE, que têm como principal objectivo estabelecer *Agendas Estratégicas de Investigação* em sectores industriais estrategicamente importantes.

TORNE-SE ACTIVO
na(s) Plataforma(s) Tecnológica
Europeia (s) da sua área de
trabalho!



*Agree
Common
Vision*

*Define
Strategic
Agenda*

*Implement
Strategic
Agenda*

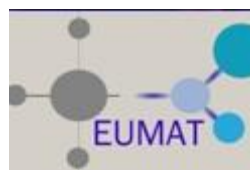
Associações/ Plataformas Tecnológicas Europeias



European
Construction
Technology
Platform



European Technology
Platform for Manufacturing



European Technology Platform
for Advanced Engineering
Materials and Technologies



Energy Efficient
Buildings
Association



European Technology
Platform for the Future
of Textiles and Clothing



The European
Technology Platform for
Nanomedicine



Sustainable Chemistry



Sustainable Process
Industry through
Resource and energy
Efficiency



European initiative for
sustainable development
by Nanotechnologies



Energy Materials
Industrial Research
Initiative





Parte A – Informação Administrativa

Parte B –

Anexo Técnico da Proposta

Anexo 1-3 - Descrição técnica

**Anexo 4-5 - Consórcio, ética,
segurança**

Excelência

- 1.1 Objectives**
- 1.2 Relation to the work programme**
- 1.3 Concept and approach**
- 1.4 Ambition**

Impacto

- 2.1 Expected impacts**
- 2.2 Measures to maximise impact**
 - a) Dissemination and exploitation of results**
 - b) Communication activities**

Implementação

- 3.1 Work plan — Work packages, deliverables and milestones**
- 3.2 Management structure and procedures**
- 3.3 Consortium as a whole**
- 3.4 Resources to be committed**

CRITÉRIOS DE AVALIAÇÃO

Pontuação



0

Fail

1

Poor

2

Fair

3

Good

4

Very Good

5

Excellent

C1. Excelência



C2. Impacto



C3. Implementação

I M P A C T O

~~✍~~ Critério fundamental no H2020

~~✍~~ O impacto deve ser **quantificado** na proposta

Excelência

- **Clareza e pertinência dos objetivos;**
- **Solidez do conceito e credibilidade** da metodologia proposta;
- Extensão que o trabalho proposto está **para além do estado da arte**, demonstra o **potencial de inovação (e.g. objetivos disruptivos, conceitos inovadores e abordagens**, novos produtos, serviços ou modelos organizacionais e de negócio);
- Consideração apropriada da abordagem interdisciplinar e, sempre que relevante, utilização de conhecimento dos atores-chave.

Impacto

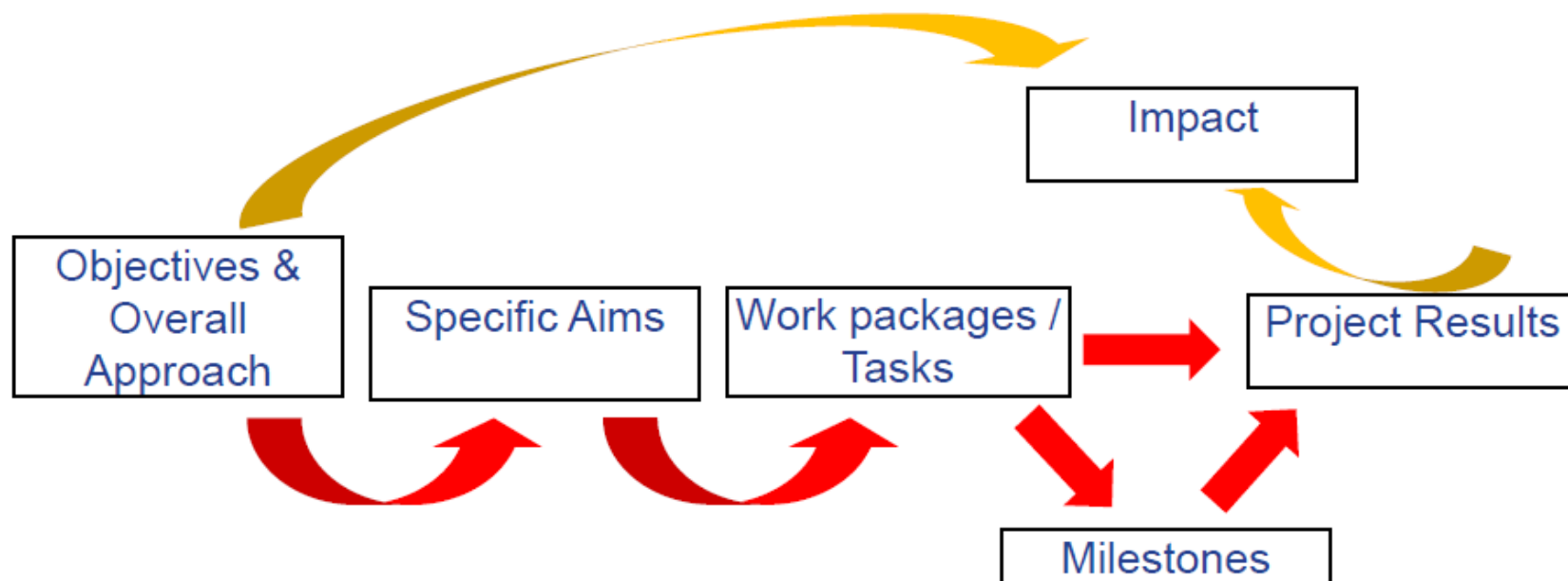
- Extensão em que os resultados do projeto devem contribuir para cada um dos impactos listados mencionados no tópico do programa de trabalhos;
- Quaisquer **impactos substanciais não mencionados no Programa de Trabalhos**, que melhorem a **capacidade de inovação**, criação de [novas oportunidades de mercado](#), [fortalecer a competitividade e crescimento nas empresas](#), endereçar aspetos relacionados **com o ambiente**, ou trazer outros **benefícios para a sociedade**;
- Qualidade das medidas propostas:
 - **Exploração e disseminação dos resultados** (incluindo gestão de **PI**) e gerir dados de investigação, quando relevante;
 - **Comunicar as atividades do projeto para grupos alvo diferenciadora.**

Implementação

Alinhamento entre os sub-critérios de avaliação e o *template da proposta*

- **Qualidade e eficiência do plano de trabalhos**, incluindo a extensão para os quais os recursos atribuídos às *work packages* estão alinhados com os seus objetivos e *deliverables*;
- Adequabilidade da **estrutura de gestão e procedimentos**, incluindo a **gestão de risco e de inovação**;
- **Complementaridade dos participantes**, e extensão que o consórcio como um todo tem o *expertise* necessário; .
- **Adequabilidade da alocação de tarefas**, assegurando que todos os participantes têm um papel válido e recursos adequados no projeto para desempenhar esse papel.

Coerência da proposta!



www.healthncp.net



specific

- O que pretende **exatamente** alcançar?
- O objetivo está escrito de forma clara e **compreensível**?



measurable

- Como pode **verificar** se o objetivo é atingido?
- Existem **parâmetros** ou **indicadores** claros para medir o objetivo?
- **Quantos**, de que **dimensão**?



attainable

- Os *stakeholders* vão ficar **satisfeitos** com os resultados?
- Os objetivos resultam numa **solução aceitável** para o problema?



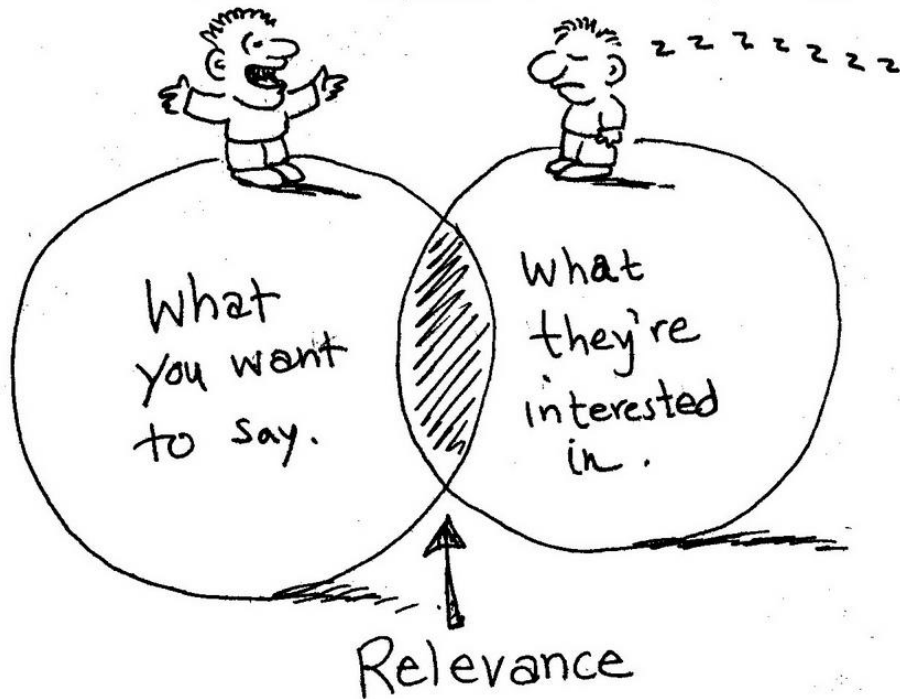
relevant

- O objetivo é **atingível**, tendo em conta o tempo e os recursos?
- O objetivo é um **desafio** ou uma **exigência excessiva**?



time based

- **Quando** é que os objetivos vão ser atingidos?



**A proposta deve ser
100% relevante para
o tema abordado no
tópico**



Investir numa apresentação eficaz e visualmente atraente

Apresente factos e números

Utilize gráficos, esquemas e tabelas

Parágrafos curtos, *'bullets'*, itálico, sublinhado

Usar e abusar do acrónimo do projeto

ACRONYM®

Use e abuse do ACRÓNIMO ao longo da proposta

“Título = SLOGAN | Acrónimo – Brand”

PLACES: Platform of Local Authorities and Communicators Engaged in Science

polish
your
pitch



Investir num *abstract* e num *pitch*
apelativos, que reforcem a **INOVAÇÃO**
e o **IMPACTO** do projeto



Flawless english

“editar editar editar”



Verificar a base de dados de projetos já financiados na área de interesse

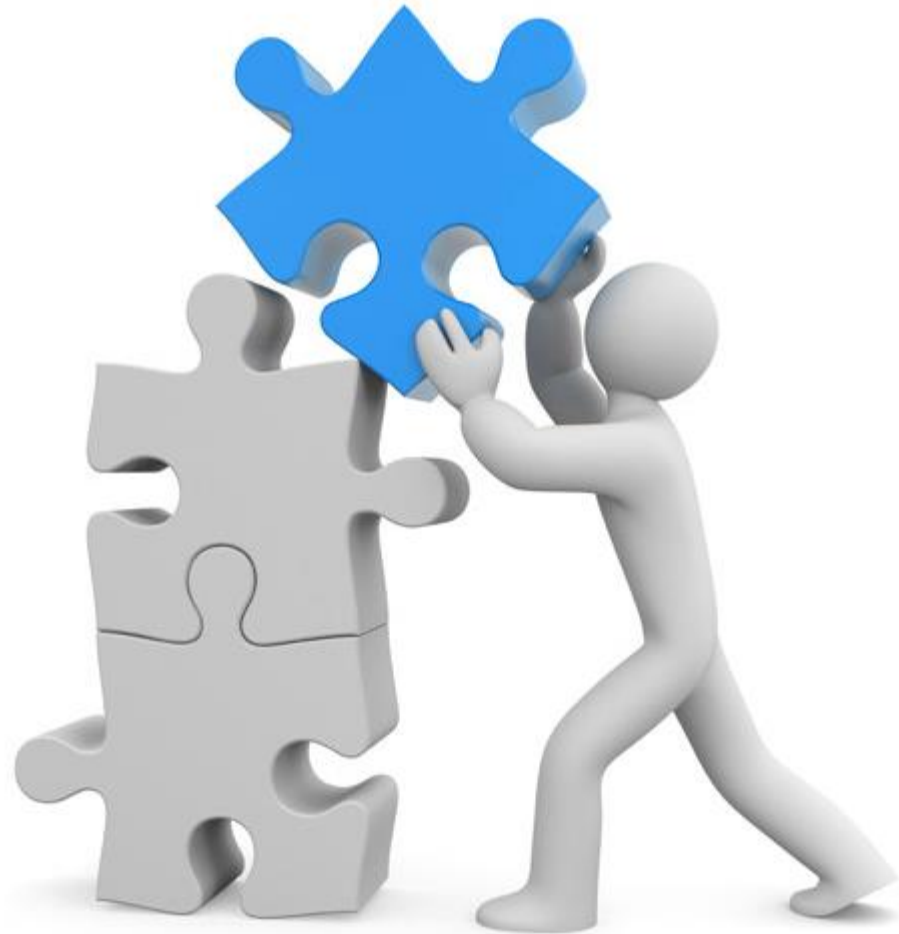
http://cordis.europa.eu/projects/home_en.html



Ideia

Consórcio sólido

Proposta convincente



HORIZONTE 2020 | Participe como avaliador

News

H2020 call for expression for interest for experts (11/2013)
New calls for expression of interest for individual experts and for organisations to suggest experts were just published in OJ C342 of 22 November 2013. European Commission will soon need experts to evaluate first Horizon 2020 proposals. Don't forget to tick the H2020 box in the registration platform and update your expertise.

Quick Links

- [FAQ for Experts](#)
- [Expert recommendations](#)

Logistics for Brussels

- [Map of evaluation area](#)
- [Info on hotels](#)
- [Metro map](#)
- [From airport to Brussels](#)

The Expert area in the Participant Portal may be unavailable **Tuesday 1st July 2014 from 17:00 (CET)** for an estimated duration of 60 minutes due to system maintenance. We are sorry for the inconvenience.



Experts

H2020 ONLINE MANUAL

Join the database of independent experts for European research and innovation.

The European Commission appoints independent experts to assist with research and innovation assignments including the evaluation of proposals, monitoring of projects, and evaluation of programmes, and design of policy.

New experts

Who can be an expert?

You have a chance of being selected as an expert if you:

- have high-level of expertise in the relevant fields of research and innovation (see call for details on types of expertise).
- can be available for occasional, short-term assignments

REGISTER AS EXPERT



What do expert assignments involve?

Experts, as peer reviewers, assist in the:

- **evaluation** of proposals
- **monitoring** of actions

In addition, experts assist in the :

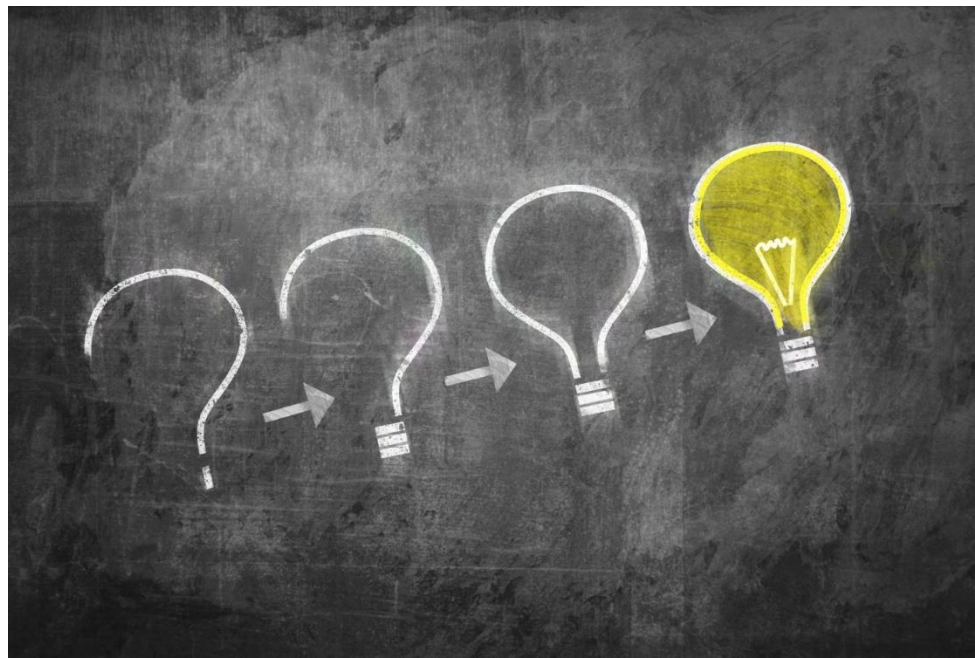
- **preparation, implementation or evaluation of programmes and design of policies.** This includes the Horizon 2020 Advisory Groups.

Assignments mainly concern research and innovation, falling within the Horizon 2020 programme designed to address the challenges Europe is facing through funding excellent science, technology and innovation.

Take a look at the most recently [funded projects](#).

[Participant Portal](#)





Contact us!

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Questões legais e financeiras
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RFCS



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