Gabinete de Promoção dos Programa Quadro ID&I

Fundação para a Ciência e Tecnologia | Agência de Inovação

Oportunidades de Financiamento DS6 para 2017

Marisa Borges

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O APOIO DO GPPQ

1º contacto
O que é o H2020
Como funciona?

Verificação da ideia
A minha ideia integra-se numa *call* do H2020?
Onde?

Preparação da proposta
Construção do consórcio, escrita da proposta, procura de parceiros, revisão da proposta

Avaliação da proposta
por peritos independentes

Assinatura do contrato
Procedimentos administrativos e legais

Gestão do projeto
Relatórios, alterações ao contrato,etc

Relatórios, Exploração dos resultados
Auditorias da CE, etc

www.gppq.pt

Gabinete de Promoção dos Programa Quadro ID&I

Os resultados até agora…

National Participation in H2020

Propostas: 5717

- **Participações Financiadas: 770**
- **Projetos Coordenados: 210**
- **Participantes: 1104**
- **Financiamento para PT**
- **% of funding: 1,7%**

PT in SC6 (2014-2016)

- **Propostas: 392**
- **Propostas financiadas: 31**
- **Propostas Coordenadas: 5**
- **Participantes: 38**
- **Financiamento para PT**

6,45 M€

- **Success rates: 7,91% (5,65% EU)**
- **% of funding: 1,82% (2,93% em 2016)**

O que falta de H2020

O que tem 2017 de especial?

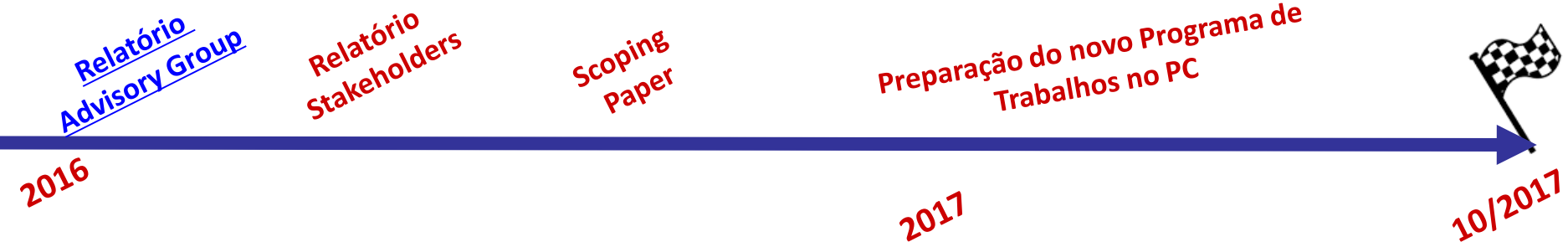
Revisão do Programa de Trabalhos 2016-2017 que introduziu:

→Novos tópicos – Migração

→Submissão em 2 fases

→Open Data

Definição do Programa de Trabalhos para 2018-2020



O que tem 2017 de especial?

H2020 Mid-term evaluation

→Obrigatório – finalizado até final de 2017

→Consulta Pública sobre o H2020

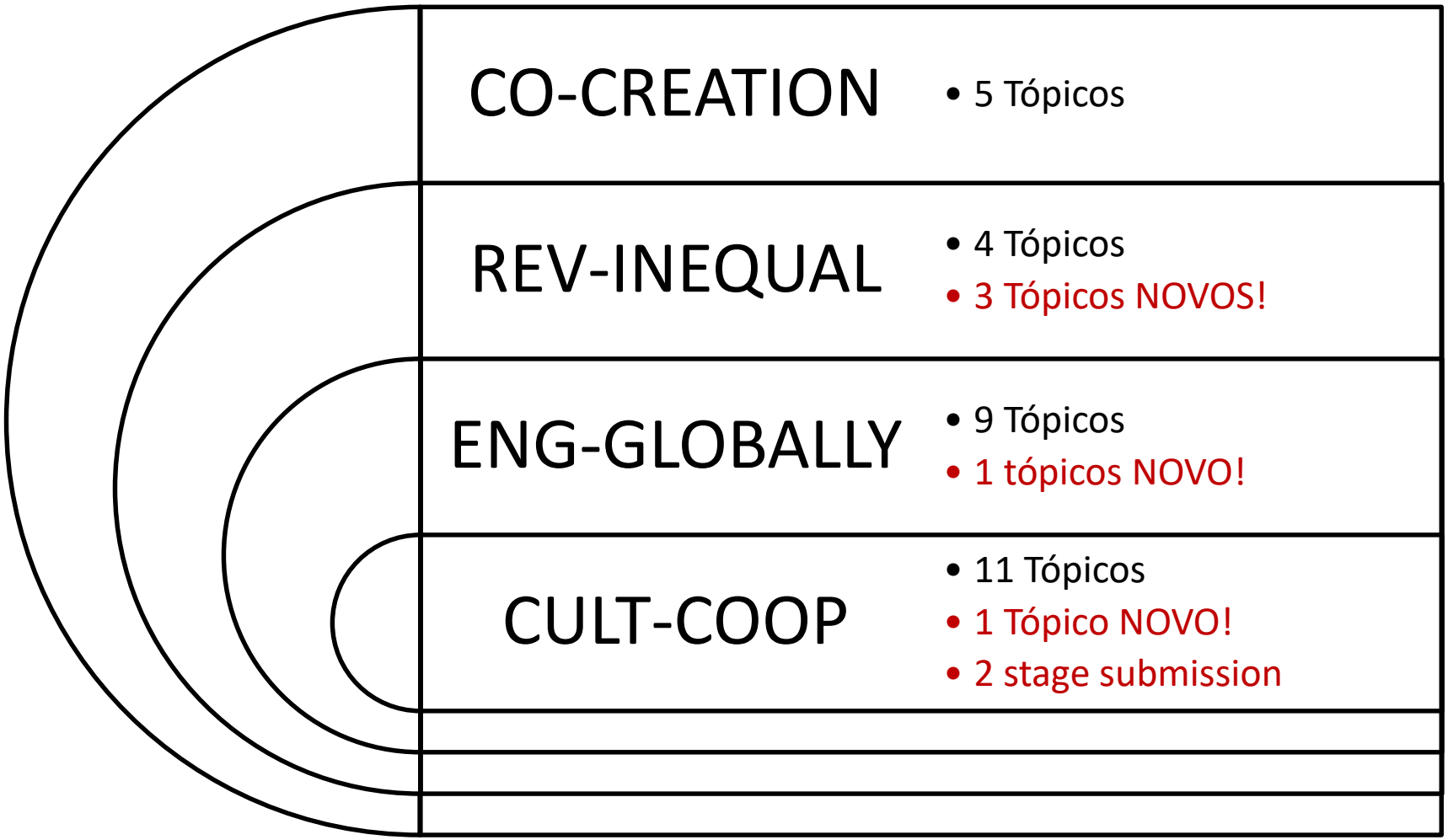
→High Level Group on the impact of the EU's investment into research and innovation - liderado por Pascal Lamy

"The EU's research and innovation funding is already making a big difference, increasing our growth and competitiveness while addressing the main challenges of today. But with limited budgets, we need to make sure we are getting as much impact out of our investment as we can. It will be the task of my group to explore all the paths that lead to this goal."

Discussão sobre o próximo Programa Quadro

Oportunidades de Financiamento em 2017

Tópicos 2017



CO-CREATION

CO-CREATION-01-2017: Education and skills: empowering Europe's young innovators (IA) 5M

- ✓ Innovating learning practices - innovation skills need to be included in formal and informal education, in schools, communities and on-line - > Boosting innovation and entrepreneurship capacity
- ✓ Bring together many stakeholders: from education, traditional business, the social economy and volunteering schemes
- ✓ Empowering young innovators across Europe and give them tools to engage in society and channel their values into concrete opportunities

CO-CREATION-04-2017: Applied co-creation to deliver public services (IA) 4-5 M

- ✓ Co-creation of public services and policies by bringing together a variety of actors in society
- ✓ Government can act as broad, open collaboration platform in practice (sharing data, tools)
- ✓ Create demand-driven, user-friendly, personalised public services
- ✓ Efficiency gains, transactional cost reduction, productivity growth, stimulating new businesses, greater transparency leading to reduced errors, less public spending and administrative burden

CO-CREATION

CO-CREATION-06-2017: Policy-development in the age of big data: data-driven policy-making, policy-modelling and policy-implementation (RIA 4- 5 M, CSA – 0.5 M)

- ✓ Enable governments, at various levels, to benefit from the availability of all information and data
- ✓ Data analytics tools for effective public policies: evidence-based policy design
- ✓ Efficiency gains, transaction cost reduction, productivity growth, new businesses, reduction of administrative burden, user satisfaction, increased level of civic engagement

CO-CREATION-07-2017: Towards a new growth strategy in Europe - Improved economic and social measurement, data and official statistics (RIA – 2M, CSA-1M)

- ✓ Improvement of data on tangible and intangible investments, capital stock and composition of labour inputs at industry level
- ✓ Incorporation and alignment of new sources
- ✓ New insights for the European growth strategy

CO-CREATION

CO-CREATION-08-2016/2017: Better integration of evidence on the impact of research and innovation in policy making (RIA – 1-1.5 M)

- ✓ Generating new knowledge, metrics and insights to improve the impacts of R&I policies
- ✓ Development of macro-economic models, especially the R&I representation
- ✓ New indicators for assessing R&I performance and societal benefits

REVERSING INEQUALITIES

REV-INEQUAL-09-2017: Boosting inclusiveness of ICT-enabled research and innovation (CSA -3M)

- ✓ Support community building and cross-disciplinary collaborations
- ✓ Improve the interaction between SSH researchers and ICT developers
- ✓ Improved take-up of societal concerns in ICT-related R&I
- ✓ Increased worldwide visibility of EU with a shared vision for inclusive ICT R&I

NOVO! REV-INEQUAL-11-2017: Current European and cross-national comparative research and research actions on Migration (CSA-2M)

- ✓ Different research communities **to map, assemble and synthesise** the currently running European migration research as well as research conducted at national level:
  - ✓ Research-related actions and initiatives in response to current migration flows to Europe should be surveyed and analysed
  - ✓ Interplay between policies and migration flows
  - ✓ Interrelations between **migration drivers**, such as conflict, underdevelopment, poverty, and climate change; **exploitation of refugees and migrants**, in particular of minors and women, on migratory routes in transit and destination countries

REVERSING INEQUALITIES

NOVO! REV-INEQUAL-12-2017: Research Social Platform on Migration and Asylum (CSA-2M)

- ✓ Research communities, stakeholder representatives and practitioners such as European and national policy-makers, international organisations, regional partners, cities, non-governmental organisations and social partners
- ✓ Stakeholder workshops and policy briefs on evolving forms of migration and mobility, on migrant reception procedures, on integration measures, on asylum procedures, on skill recognition and training of migrants, and on other innovative actions to ensure the best possible reception and integration of migrants in their new local environment

NOVO! REV-INEQUAL-13-2017: Research on employability, skills and labour market integration of migrants (RIA – 2,5M)

- ✓ Challenges to EU economies, societies and processes of integration posed by the inflow of refugees and asylum applicants
- ✓ Challenges and opportunities faced by post-2014 migrants in connection to their skills, qualifications and employability
- ✓ Social impacts from labour market exclusion & Policies aiming to facilitate labour market access
- ✓ **Policy recommendations** on how to facilitate the labour market integration of migrants

ENGAGING GLOBALLY

ENG-GLOBALLY-01-2017: Strengthening Europe's position in the global context: science diplomacy and intercultural relations (RIA-2.5M)

- ✓ Linking scientific expertise and cooperation with diplomacy
- ✓ Insights into the multiple ties and mutual influences
- ✓ Facilitate Europe's future engagement in effective intercultural dialogues
  - ✓ Using science in the context of European diplomacy
  - ✓ European culture, values and reflections of Europe's colonial past in contemporary European societies
  - ✓ Global trends of secularisation and religious radicalisation and the role of Europe

ENG-GLOBALLY-02-2017: Shifting global geopolitics and Europe's preparedness for managing risks, mitigation actions and fostering peace (RIA-5M)

- ✓ Long-term transformations challenging the traditional predominance of the West and Union's capacity for guaranteeing its citizens' security
- ✓ Recent global geopolitical developments and their implications for the European Union & EU management of risks and opportunities, fostering peace in a crisis-ridden context

ENGAGING GLOBALLY

ENG-GLOBALLY-03-2017: The European Union and the global challenge of migration (RIA-5M)

- ✓ Understanding the roots of migration and the impact on development processes - > integrated approach to migration and development
- ✓ Stronger conceptual tools for **EU and national policy makers** to better interpret the role of the EU and its MS as global actors in the field of migration
- ✓ **Policy coherence and effectiveness** in the field of migration management and relations with third countries - > EU policy coherence and migration

ENG-GLOBALLY-04-2017: Science diplomacy for EU neighbourhood policies (CSA-1.5M)

- ✓ Consolidate the knowledge on science diplomacy in service of the European Neighborhood Policy
- ✓ Feed into future EU strategies vis-à-vis its neighbours - > **Wide dissemination** of these results to the relevant stakeholders

ENGAGING GLOBALLY

ENG-GLOBALLY-05-2017: The strategic potential of EU external trade policy (RIA-2.5M)

- ✓ Insights into the evolving EU and MS bi and multilateral trade strategies
- ✓ Inter-linkages with other external policies (e.g. environmental, social), their coherence, effectiveness and consistency in EU foreign policy
- ✓ **Recommendations** on the institutional, organisational and behavioural adaptations needed to reinforce to enhance the coherence of EU foreign policy

ENG-GLOBALLY-06-2017: The Asia-Pacific as a strategic region for Europe (RIA-2.5M)

- ✓ Comprehensive overview of the strategic challenges that Europe faces in the various zones of the Asia-Pacific region
- ✓ Regional integration in South-East Asia and its consequences for Europe
- ✓ Governance in and of the Pacific as a challenge for Europe
- ✓ **Inform foreign policy actors**, processes and initiatives - legal, cultural and socio-economic aspects

ENGAGING GLOBALLY

ENG-GLOBALLY-07-2017: The European Union and Central Asia (CSA-1.5M)

- ✓ Improving the relations of EU with the region and countries of Central Asia in all socio-economic, political, security as well as cultural and scientific areas
- ✓ **Formulation of short- and long-term priorities for EU policies** towards the region including for education and media purposes
- ✓ Network of European researchers in the field of Central Asian Studies and new forms of cooperation with counterparts in Central Asia

ENG-GLOBALLY-08-2016/2017: EU-China cooperation on sustainable urbanisation (RIA-2.5, CSA-1.5)

- ✓ **Improved reciprocal knowledge** on urbanisation processes and define and implement a joint EU-China strategic development plan for sustainable urbanisation
- ✓ Through the joint format, research will benefit from **access to data and expertise from both EU and China,** with a view to proposing new models of sustainable urban development **adapted to local socio-economic, cultural and political specificities**

ENGAGING GLOBALLY

NOVO! ENG-GLOBALLY-10-2017: Migration and asylum systems (RIA – 2M)

- ✓ **Comparative research** to examine the differences between the Member States' asylum laws and policies, including their implementation under stress, and identify alternative avenues towards more harmonisation
- ✓ How much and what kind of harmonisation is required and sustainable? **Scenarios** for a Common European Asylum System responding to current developments
- ✓ **Recommendations on the harmonisation** and centralisation of data management and procedures
- ✓ **Research should inform future policy initiatives**

CULT-COOP – 2 Stage Submission!

CULT-COOP-01-2017: Democratic discourses and the rule of law (RIA-5M)

- ✓ Understand contemporary legitimacy discourses and **develop innovative approaches to legitimation** - beyond democratic participation, encompassing justice and fairness, in Europe
- ✓ **Feed into future debates on the constitutional arrangements of the EU** taking account electoral developments which appear to pose challenges to those arrangements
  - ✓ Sovereignty and democracy
  - ✓ Legitimacy through the rule of law, delivery of justice and fundamental rights

CULT-COOP-02-2017: Improving mutual understanding among Europeans by working through troubled pasts (RIA-2.5M)

- ✓ Reappraise uncomfortable histories to enhance mutual understanding among Europeans
- ✓ Innovative educational material to reflect and act upon troubled historical heritage
- ✓ **Support European policy makers and citizens** to re-connect if and where necessary with the raison d'être of European integration
- ✓ Formal education, curricula and teaching practice
- ✓ Civil society, informal education and political discourses

CULT-COOP – 2 Stage Submission!

CULT-COOP-03-2017: Cultural literacy of young generations in Europe (RIA-5M)

- ✓ Enhance cultural literacy for the young generations: Innovative use of culture/CH through **a comparative analysis of cultural literacy of young Europeans of diverse origins**
- ✓ **Development and uptake of teaching material and tools** for formal, non-formal and informal education to promote cultural literacy
- ✓ Testing innovative practices for enhancing cultural and intercultural competencies in their real-life context

CULT-COOP-04-2017: Contemporary histories of Europe in artistic and creative practices (RIA-2.5M)

- ✓ Evolving representations of Europe in contemporary artistic expressions
- ✓ Better knowledge of cultural Europeanization in the making
- ✓ Renewal of a non-elitist cultural narrative of Europe that speaks to Europeans of different languages, cultures, religions and origins beyond national borders
- ✓ Enhanced cultural inter-comprehension among Europeans, especially young Europeans
- ✓ New teaching materials for formal and informal education

CULT-COOP – 2 Stage Submission!

CULT-COOP-05-2017: Religious diversity in Europe - past, present and future (RIA-2.5M)

- ✓ Co-existence of religious communities in Europe and repercussions for the European public and cultural space: **Historical and comparative perspective** enabling European citizens to better grasp conditions needed for religious coexistence in Europe
- ✓ **Innovative dissemination tools for education purposes** (history, political science, civic education)
- ✓ **Policy recommendations and dissemination** to the media for future strategies of cooperation with religious communities and in coping with anti-religious animosity

CULT-COOP-06-2017: Participatory approaches and social innovation in culture (RIA-2.5M, CSA 1.5M SINGLE STAGE!)

- Role of European cultural institutions as cultural service providers and hubs of social innovation: **New cultural institutional strategies to reach out new audiences and communities & Innovative ways of cultural transmission and creative re-use**
- **Support to culture ministries, cultural institutions and policy makers** on how to promote European culture
- Further **democratise access to culture** to enable intercultural understanding
- **Support the EC in the definition of an innovative research agenda**

CULT-COOP – 2 Stage Submission!

CULT-COOP-07-2017: Cultural heritage of European coastal and maritime regions (RIA-2.5M)

- ✓ Deepen knowledge and sustainable preservation of the cultural heritage of EU coastal and maritime regions and landscape
- ✓ **Policy advice** and networks, concepts and tools based on stakeholder involvement and participatory governance
- ✓ **Case studies and tailor-made pilot projects** of the research to put in practice the proposed new tools and concepts
- ✓ Explore the possibilities of new, sustainable, cultural heritage-related career opportunities in the studied regions

CULT-COOP-09-2017: European cultural heritage, access and analysis for a richer interpretation of the past (RIA- 2-3 M)

- ✓ **Create affordable and efficient digital access, analysis and preservation services of cultural resources**
- ✓ **New ways of searching European digital content**
- ✓ **Improve the understanding of the richness of European cultural heritage** and create added value for the society by providing humanities researchers, journalists, policy makers and the interested public with **new ways of finding answers to their questions about CH and history**

CULT-COOP – 2 Stage Submission!

CULT-COOP-10-2017: Culture, integration and European public space

- ✓ Linking European identity to integration
- ✓ **Culture and arts as vehicles of European integration** and their role in defining "**public spaces**" (built environment, landscapes , media, language, ethnicity, shared values, etc.)
- ✓ Exploring how public spaces shape and are shaped by cultural activity: historical models, impact of migration on culture, role of creativity in defining European identity
- ✓ North-South and East-West representations of European public space

CULT-COOP-11-2016/2017: Understanding the transformation of European public administrations (RIA-4-5 M, CSA-0.5 M)

- ✓ Exploring what the **role of governments in an open and collaborative government setting** may be and how this could be embedded in an EU setting
- ✓ Developing methods and approaches to understanding community assets, needs and requirements in order to provide meaningful public services

CULT-COOP – 2 Stage Submission!

NOVO! CULT-COOP-12-2017: The significance of cultural and core values for the migration challenge

- ✓ Socio-economic and cultural impact of migration on European societies.
- ✓ Research should **explore, normatively as well as empirically, the impacts of the so-called refugee crisis and the way it has been responded to on fundamental values.**
- ✓ Research should study the **historical and philosophical development and the legal foundation of these ideals and values as well as their contemporary contestations and re-conceptualisations**

2 Stage Submission: O que significa na prática?

1º fase – 2 de Fevereiro 2017

1. Excellence

1.1 Objectives

1.2 Relation to the work programme

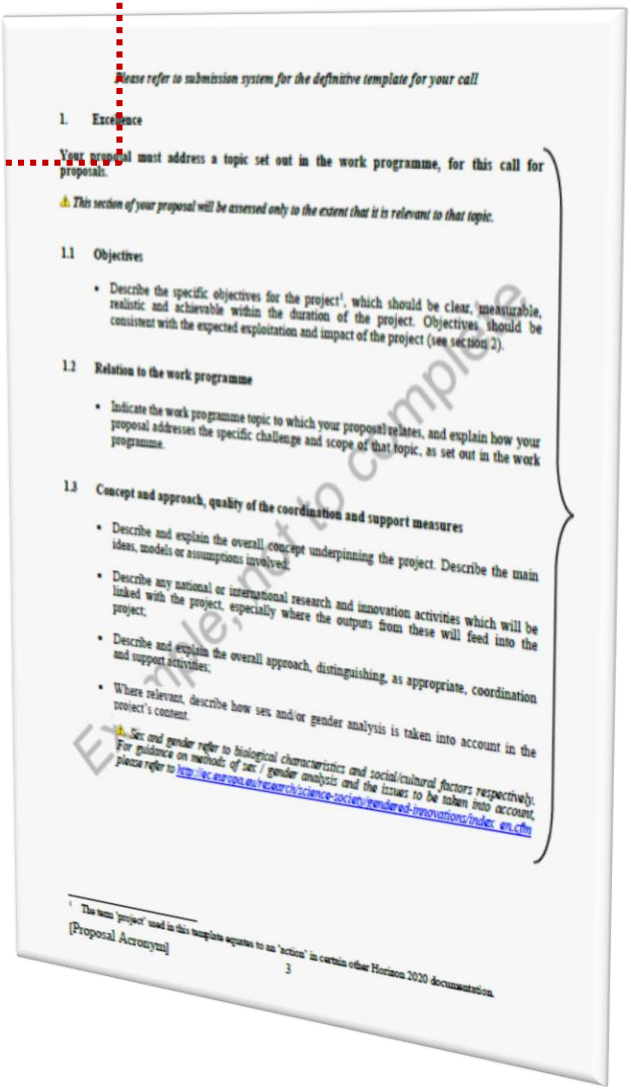
1.3 Concept and approach

1.4 Ambition

2. Impact

2.1 Expected impacts

10 páginas



Please refer to submission system for the definitive template for your call

1. Excellence

Your proposal must address a topic set out in the work programme, for this call for proposals.

⚠ *This section of your proposal will be assessed only to the extent that it is relevant to that topic.*

1.1 Objectives

- Describe the specific objectives for the project[1], which should be clear, measurable, realistic and achievable within the duration of the project. Objectives should be consistent with the expected exploitation and impact of the project (see section 2).

1.2 Relation to the work programme

- Indicate the work programme topic to which your proposal relates, and explain how your proposal addresses the specific challenge and scope of that topic, as set out in the work programme.

1.3 Concept and approach, quality of the coordination and support measures

- Describe and explain the overall concept underpinning the project. Describe the main ideas, models or assumptions involved.
- Describe any national or international research and innovation activities which will be linked with the project, especially where the outputs from these will feed into the project.
- Describe and explain the overall approach, distinguishing, as appropriate, coordination and support activities.
- Where relevant, describe how sex and/or gender analysis is taken into account in the project's content.

⚠ *Sex and gender refer to biological characteristics and social/cultural factors respectively. For guidance on methods of sex / gender analysis and the issues to be taken into account, please refer to http://ec.europa.eu/research/science-society/gendered-innovations/index_en.cfm*

[1] The term 'project' used in this template equates to an 'action' in certain other Horizon 2020 documentation.

[Proposal Acronym] 3

Example, not to complete

2 Stage Submission: O que significa na prática?

2ª fase – 13 de setembro 2017

1. Excellence
- 1.1 Objectives
- 1.2 Relation to the work programme
- 1.3 Concept and approach
- 1.4 Ambition

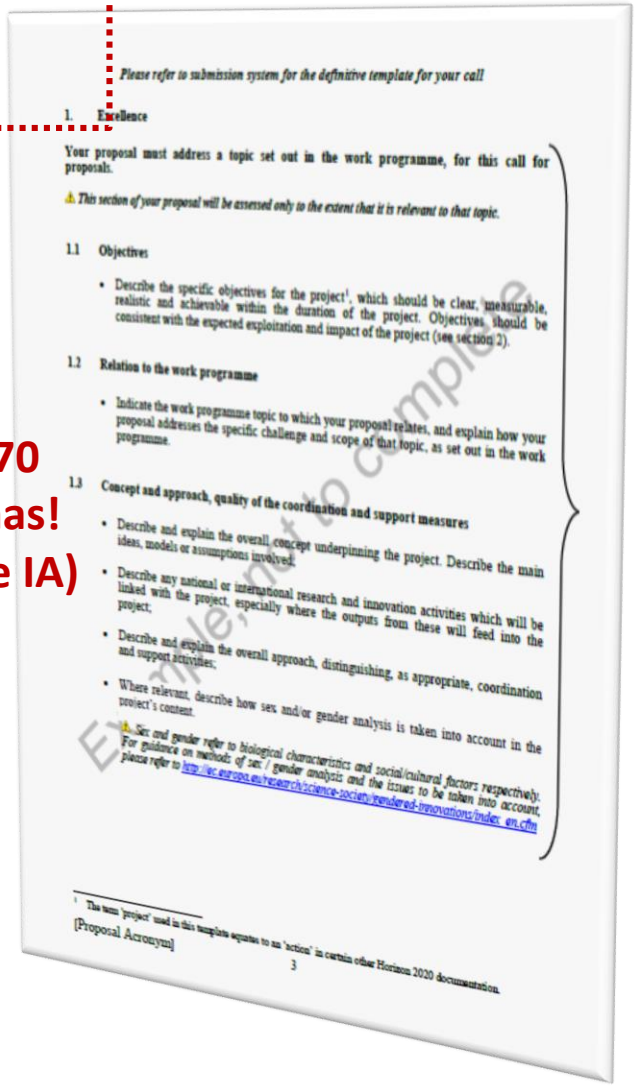
2. Impact
- 2.1 Expected impacts
- 2.2 Measures to maximise impact
  - a) Dissemination and exploitation of results
  - b) Communication activities

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

4. Members of the consortium
- 4.1 Participants (applicants)
- 4.2 Third parties involved in the project (including use of third party resources)

5. Ethics and Security
- 5.1Ethics
- 5.2 Security

Max 70 páginas! (RIA e IA)



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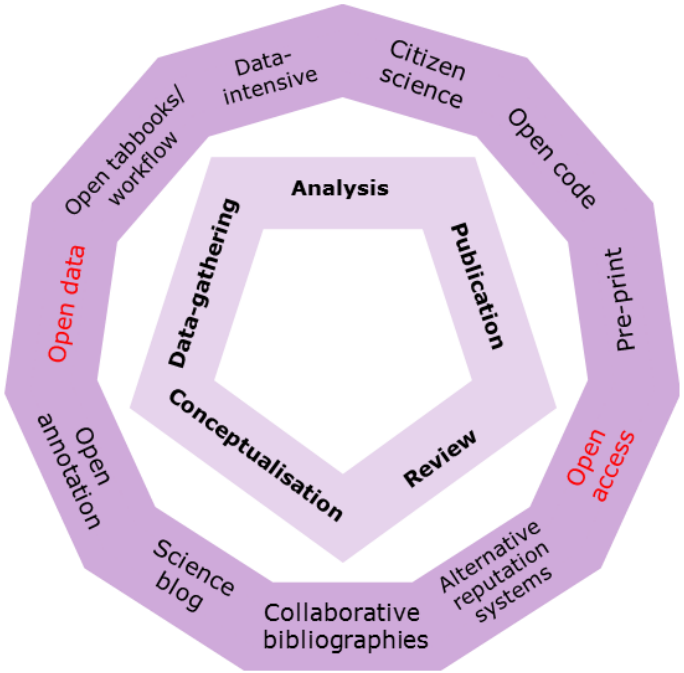
[Proposal Acronym] 3

Example, not to complete

Open Data

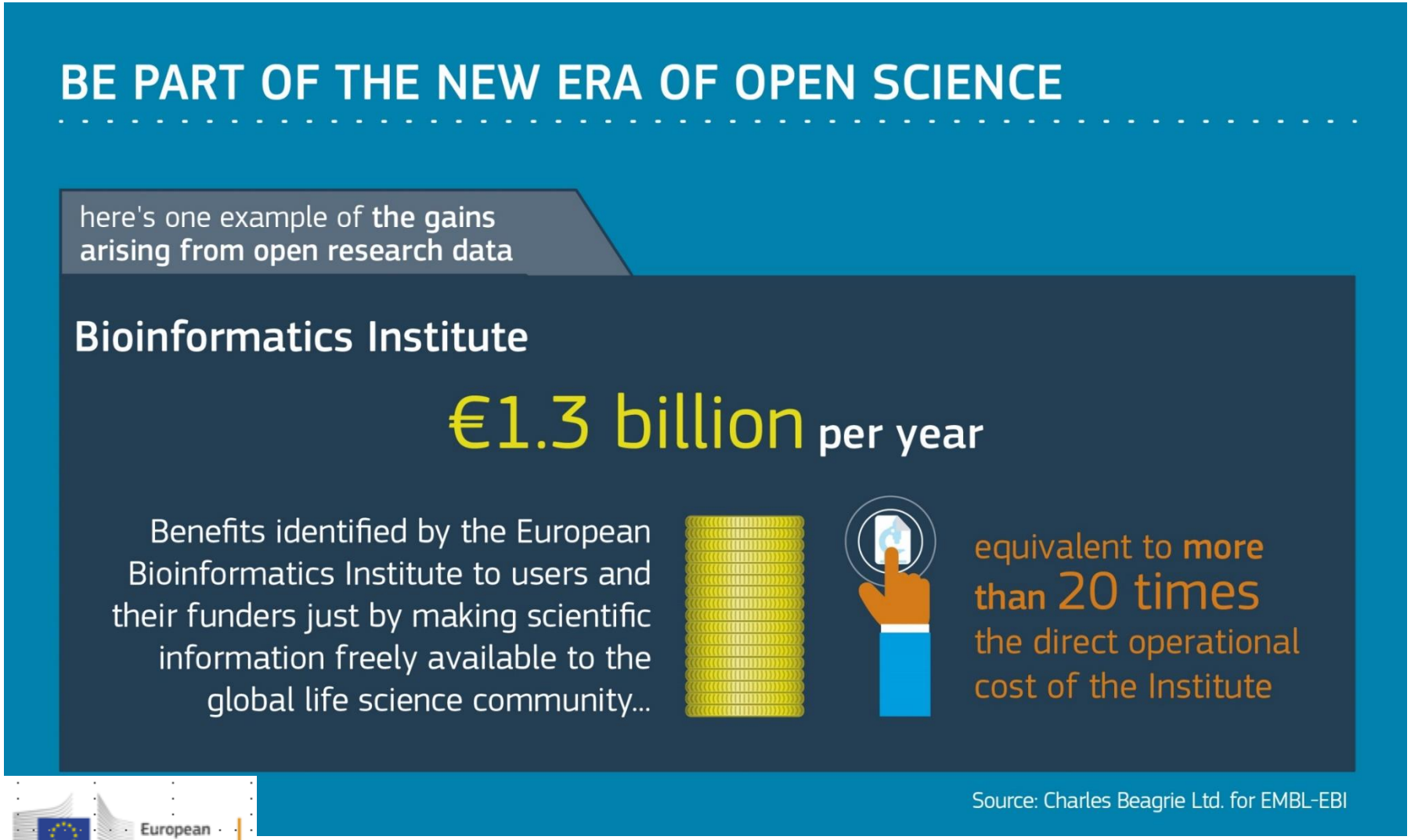
Open Science – opening up the research process



Source : http://ec.europa.eu/research/consultations/science-2.0/background.pdf

Open Science

Open Data



European Commission

Open Data

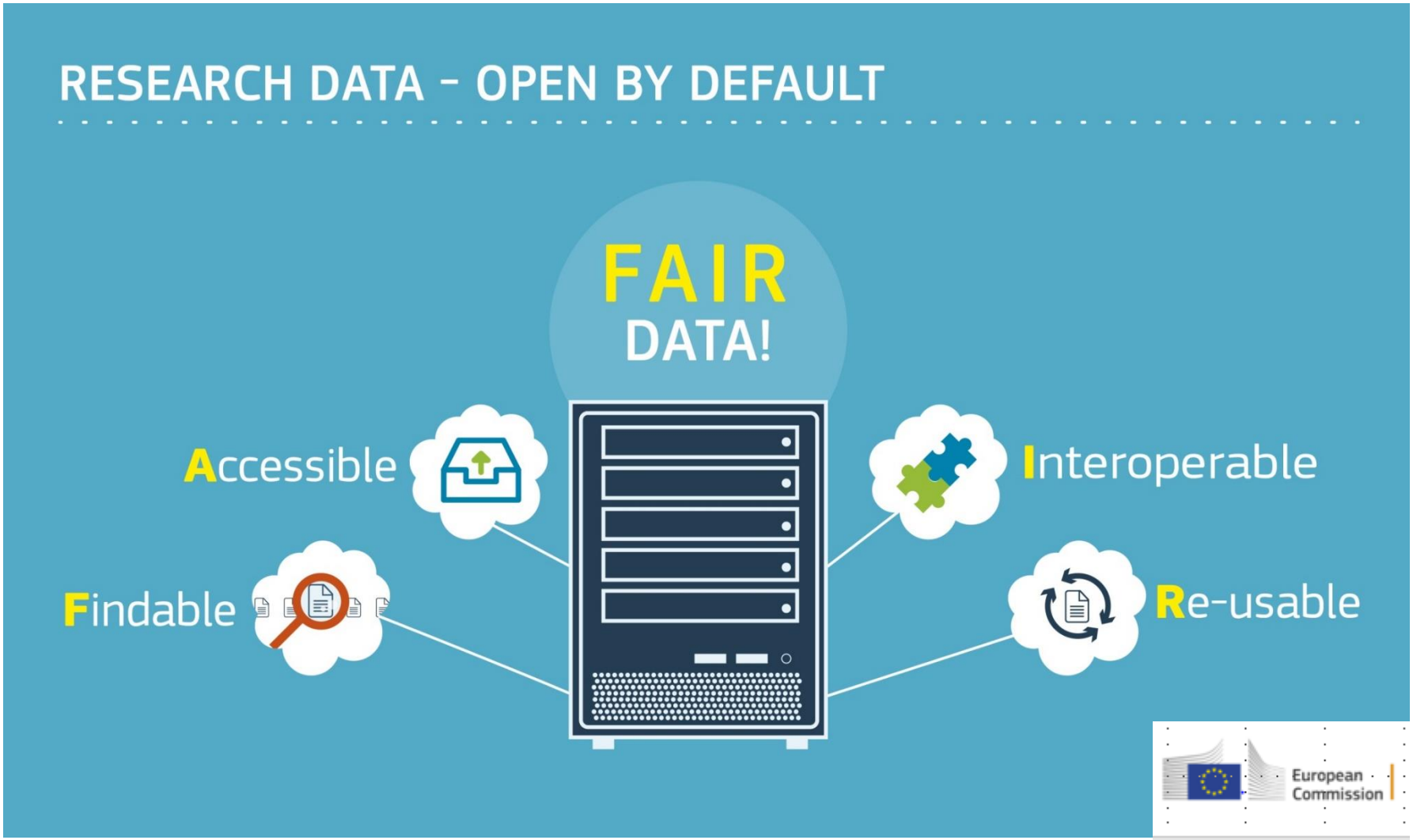
SOLUTION

Horizon 2020 already mandates open access to **all scientific publications**

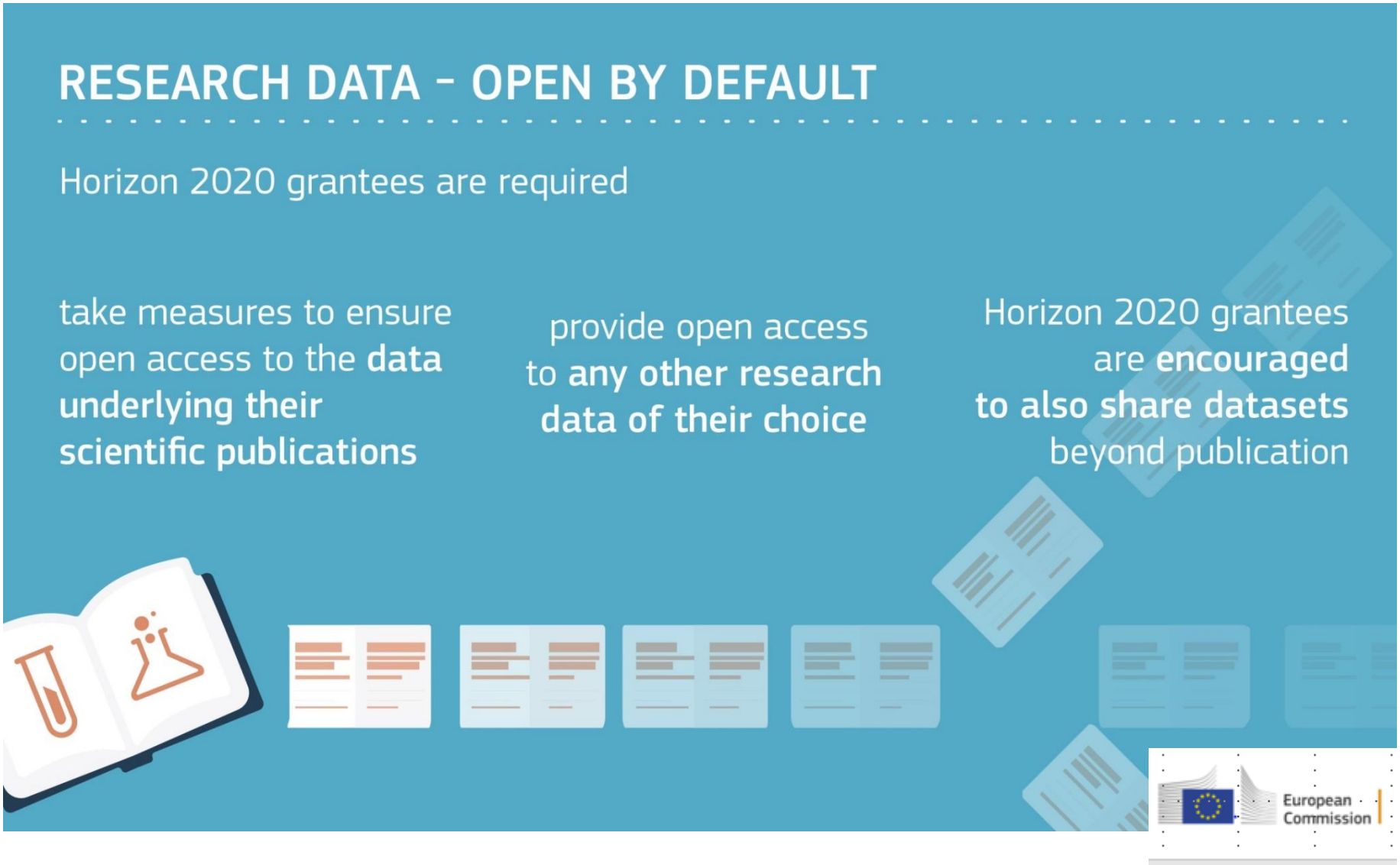
From 2017,
research data is **open by default,**
with possibilities to **opt out**

European Commission

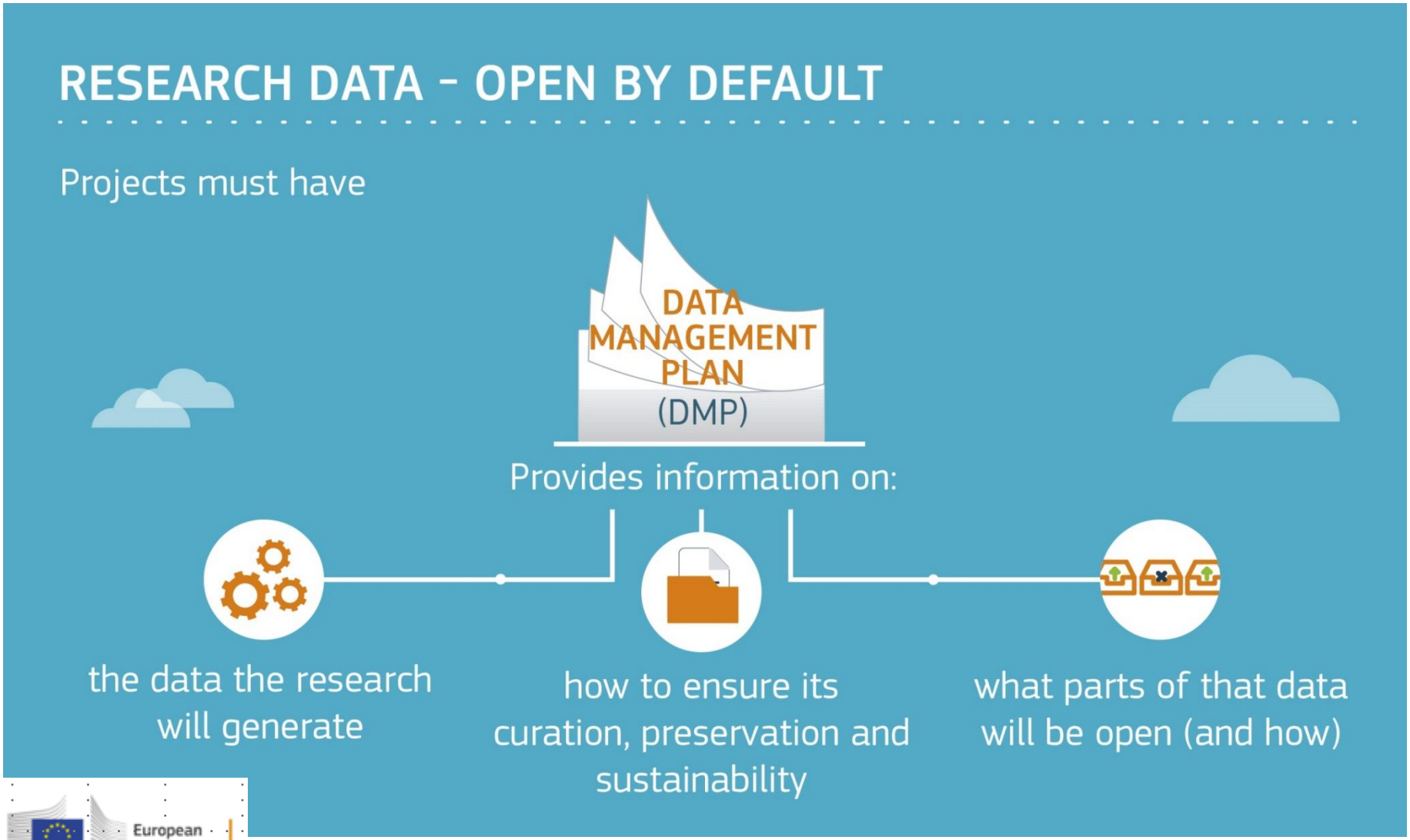
Open Data


RESEARCH DATA – OPEN BY DEFAULT
FAIR
DATA!
Accessible
Interoperable
Findable
Re-usable
European Commission

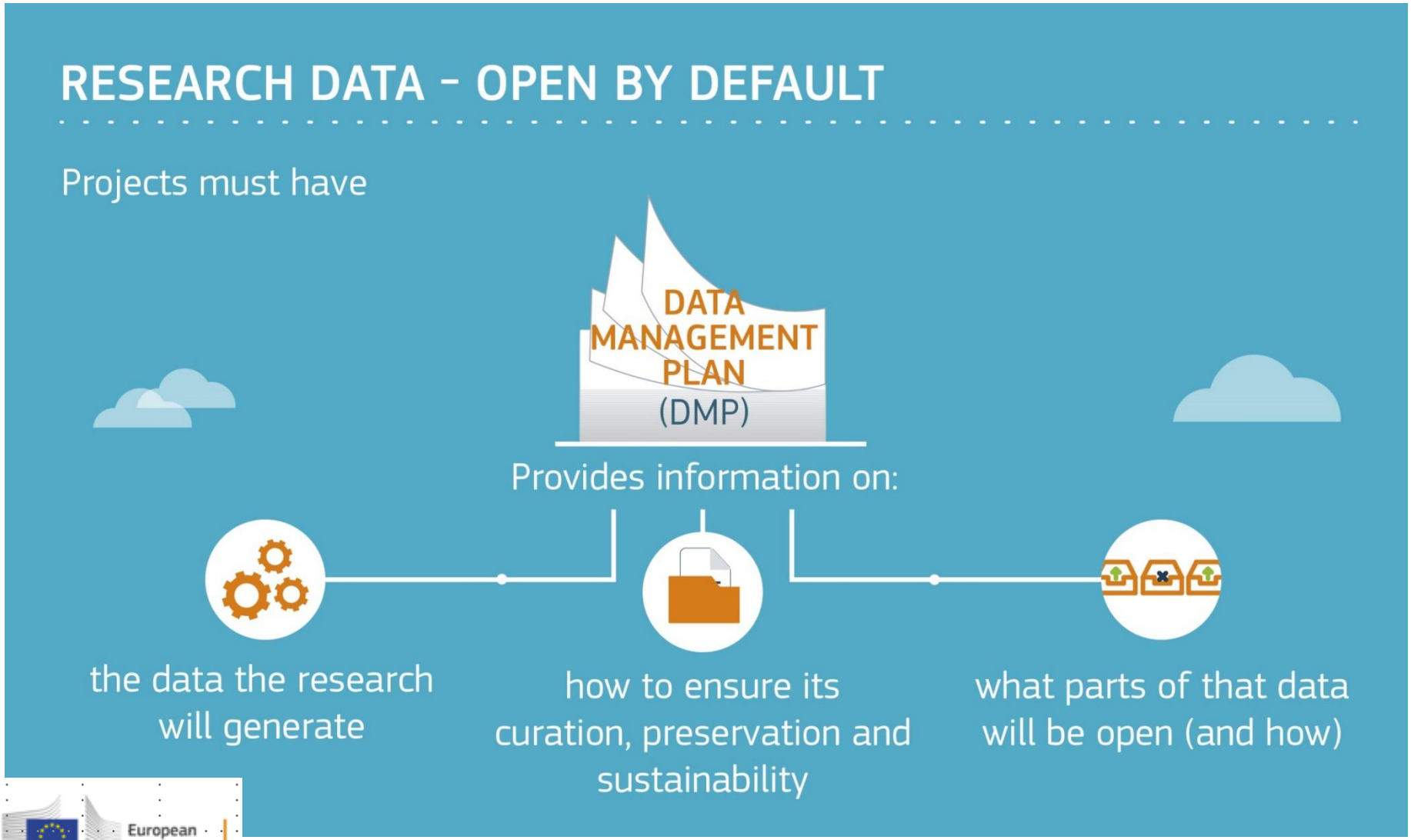
Open Data


RESEARCH DATA - OPEN BY DEFAULT
Horizon 2020 grantees are required
take measures to ensure open access to the data underlying their scientific publications
provide open access to any other research data of their choice
Horizon 2020 grantees are encouraged to also share datasets beyond publication
European Commission

Open Data

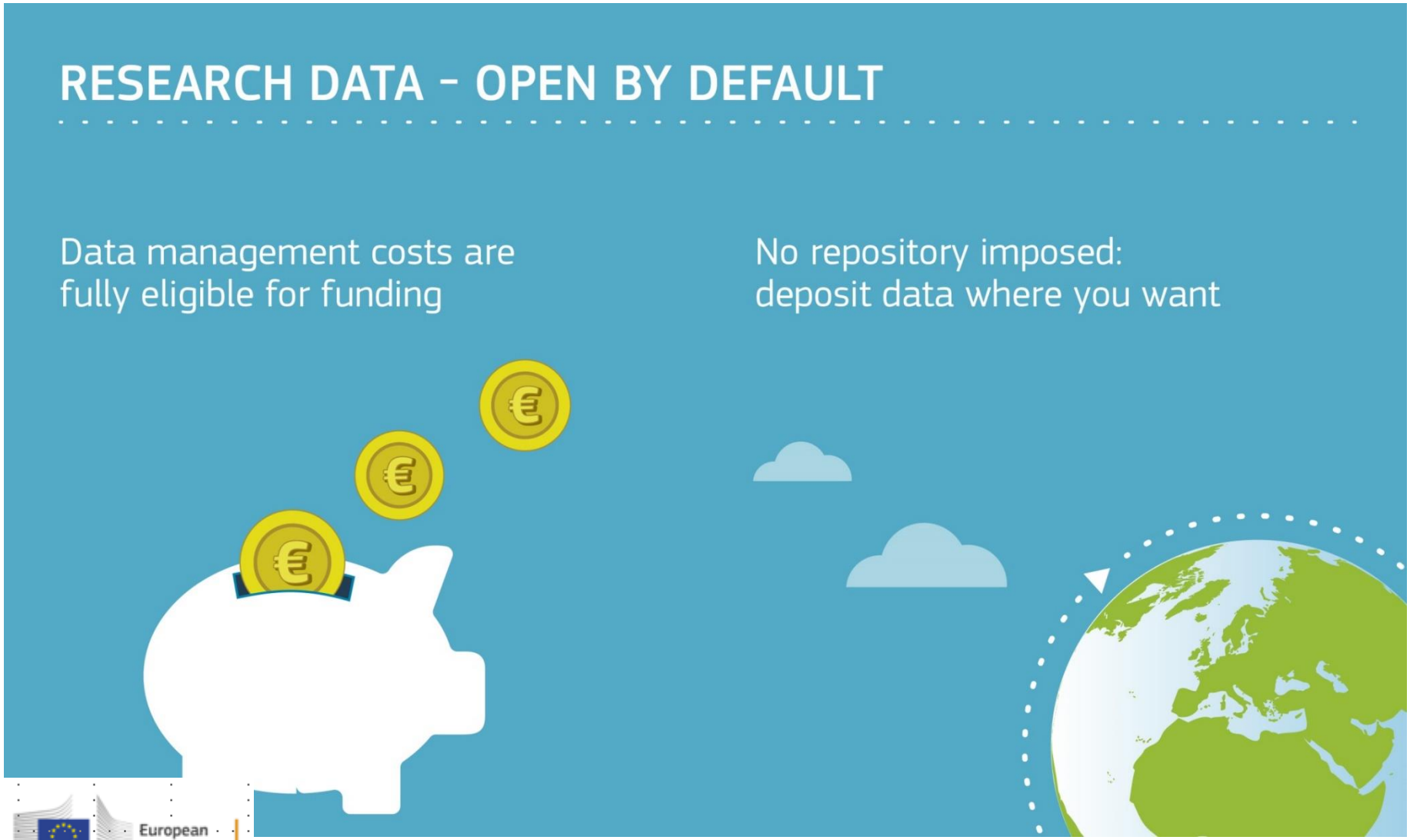

RESEARCH DATA - OPEN BY DEFAULT
Projects must have
DATA MANAGEMENT PLAN (DMP)
Provides information on:
the data the research will generate
how to ensure its curation, preservation and sustainability
what parts of that data will be open (and how)
European Commission

Open Data

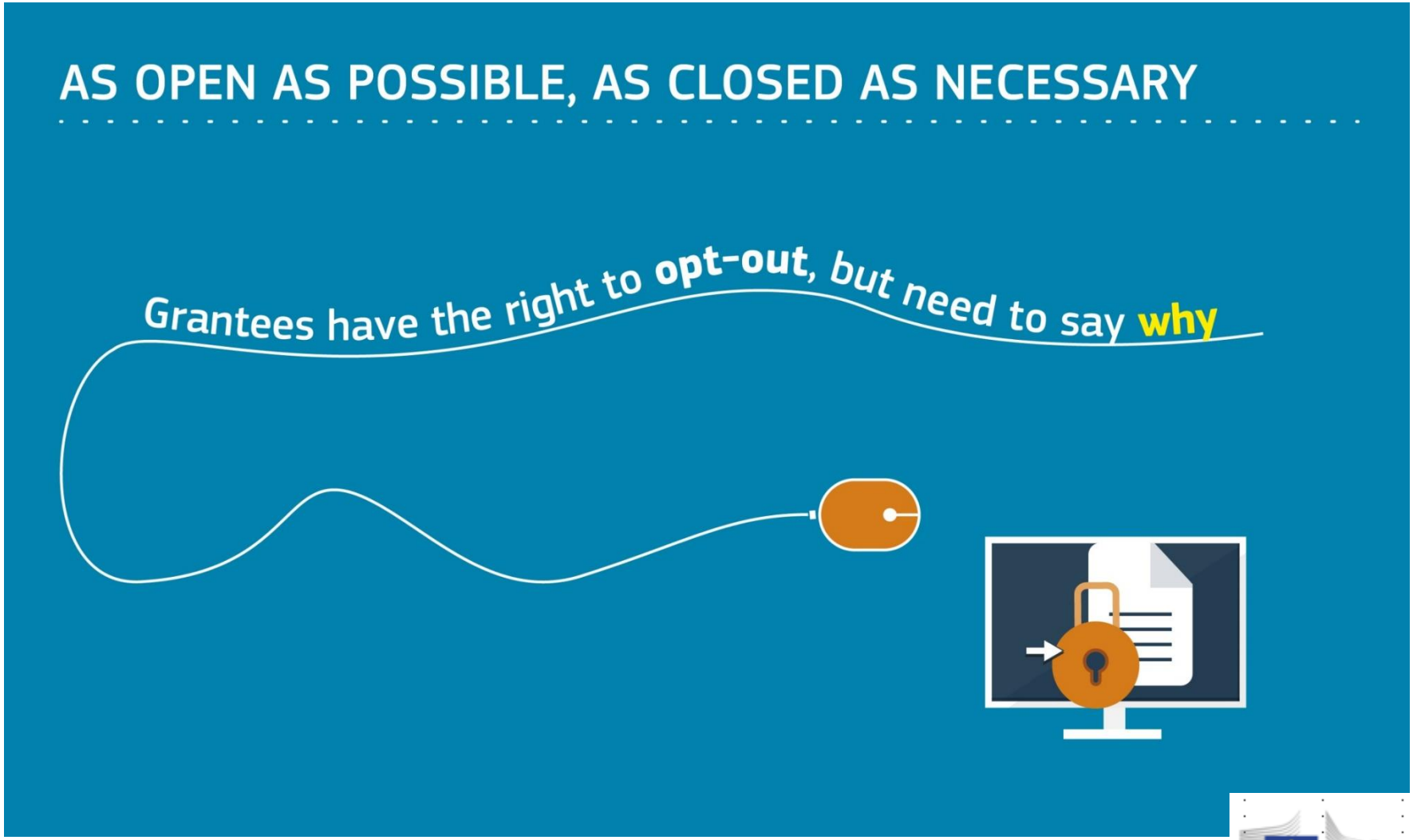


European Commission

Open Data


RESEARCH DATA – OPEN BY DEFAULT
Data management costs are fully eligible for funding
No repository imposed: deposit data where you want
European Commission

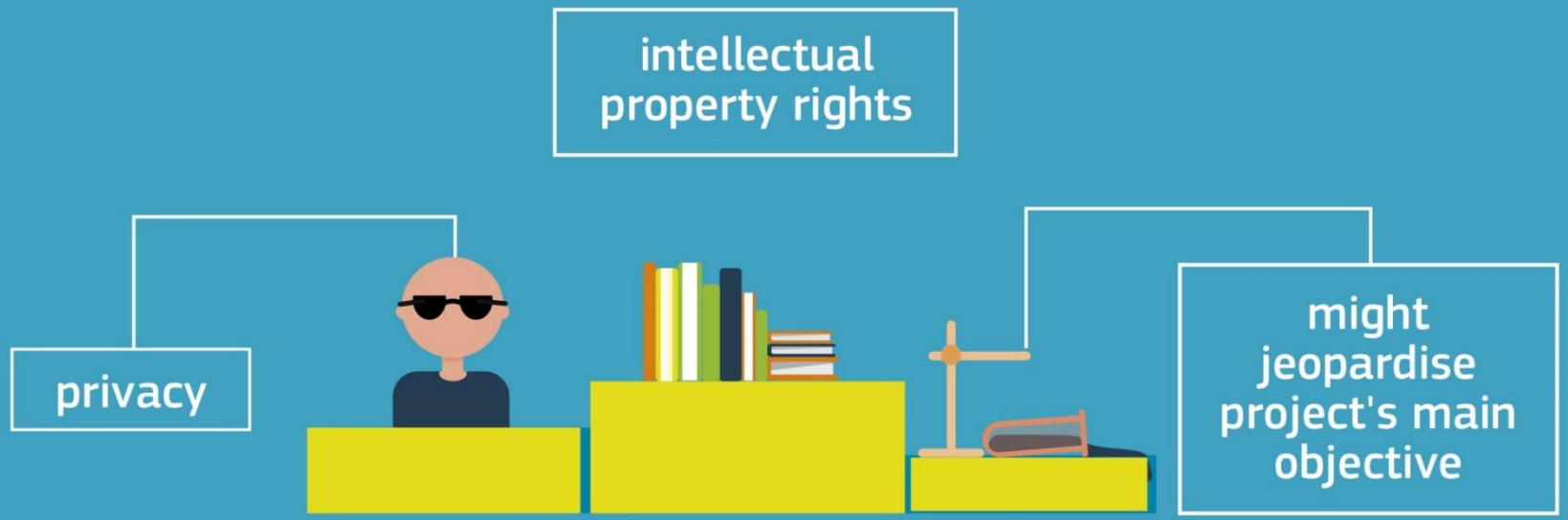
Open Data


AS OPEN AS POSSIBLE, AS CLOSED AS NECESSARY
Grantees have the right to opt-out, but need to say why

Open Data

AS OPEN AS POSSIBLE, AS CLOSED AS NECESSARY

Top three reasons for **opt-out**:



European Commission

Open Data

AS OPEN AS POSSIBLE, AS CLOSED AS NECESSARY

The approach has been tested during a Horizon 2020 pilot action

2015

of 431 signed projects

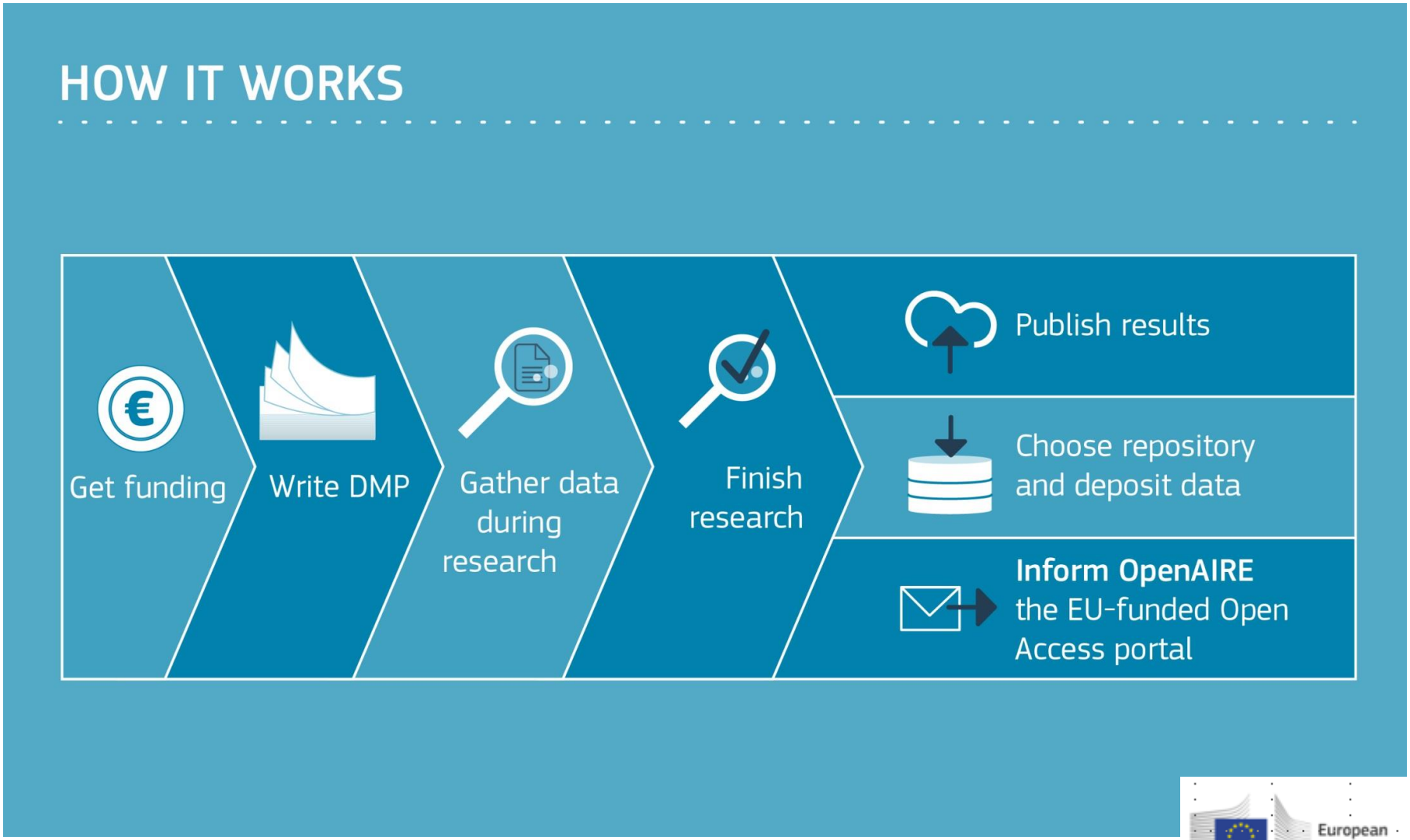
opted to share data

from 2017

the current
Open Research Data Pilot
expands to cover all areas
of Horizon 2020,
with the same rules

European Commission

Open Data



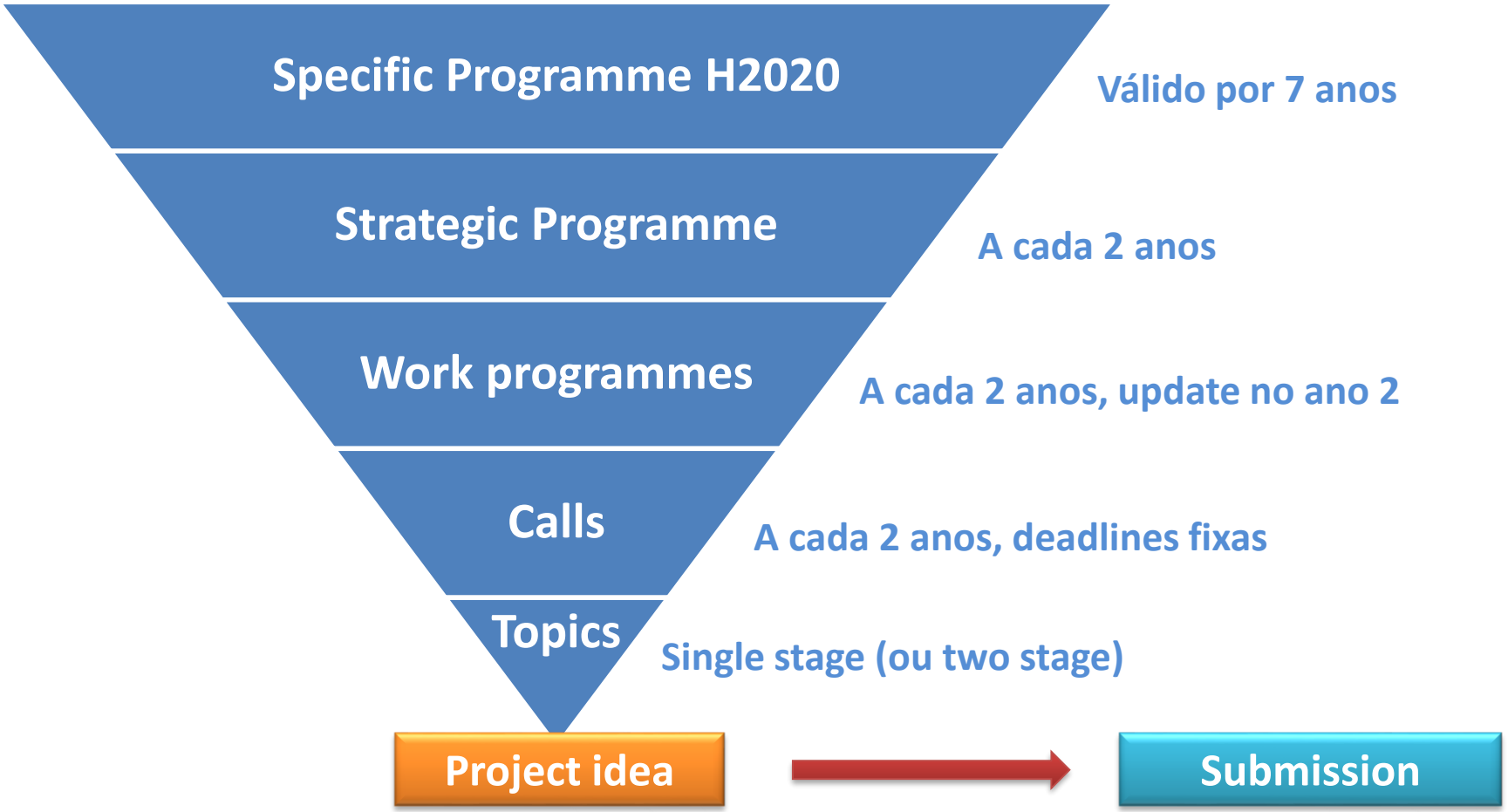
European Commission

Feliz Gouveia
(avaliador H2020)

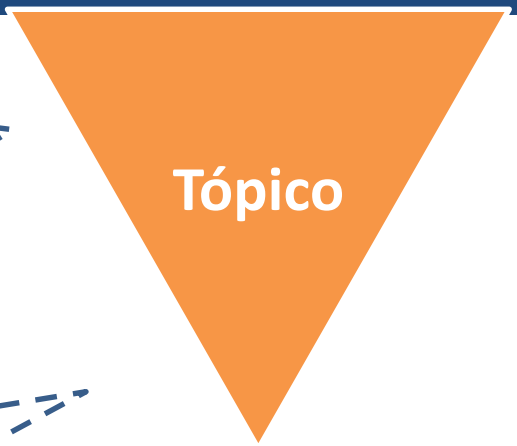
Tiago Neves - YOUNG_ADULLLT (Projeto H2020)

Aspetos a considerar na preparação de propostas

H2020 – DO PROGRAMA …..AO PROJETO!



Interpretar o Tópico



Specific Challenge:
Contexto, problemas a resolver, necessidade da intervenção

Scope:
Delineação do problema, especificação do enfoque e das fronteiras da acção, mas sem muito detalhe sobre as possíveis abordagens

Type of Action

Expected impact:
Descrição dos elementos-chave a alcançar no desafio em questão

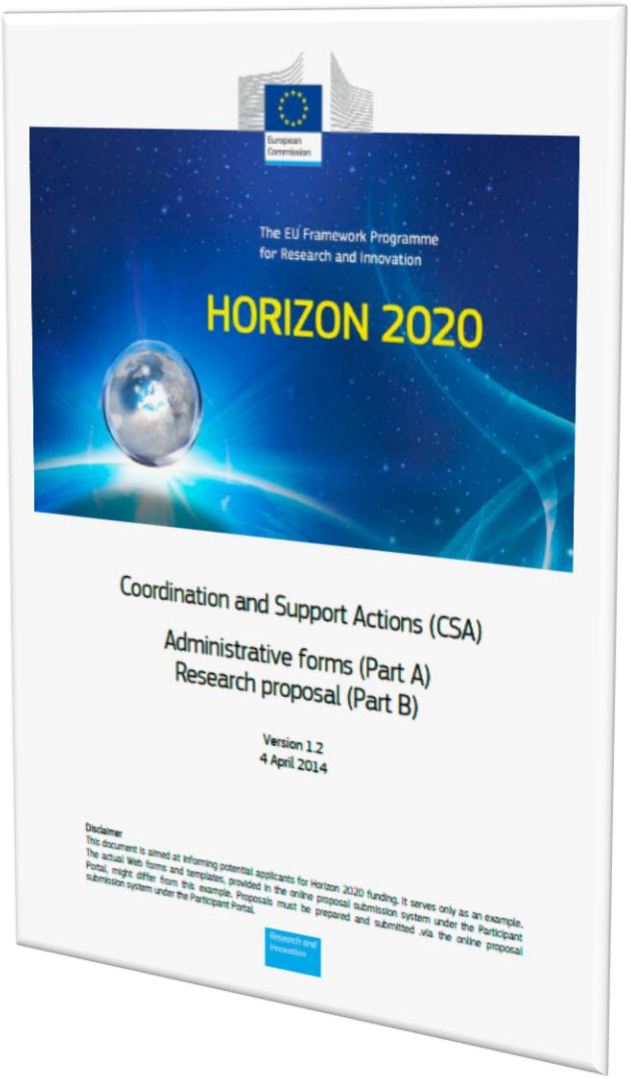
ESTRUTURA DA PROPOSTA

Parte A - Informação Administrativa:

apenas formulários online!...incluindo abstract

Parte B - Informação Técnica:

upload de PDF numa determinada pré-definida



http://ec.europa.eu/research/participants/data/ref/h2020/call_ptef/pt/2016-2017/h2020-call-pt-ria-ia-2016-17_en.pdf

PARTE A – INFORMAÇÃO ADMINISTRATIVA

- Preenchimento **online**
- **Informação geral**
  título, duração, palavras-chave, sumário
- **Dados administrativos** da organização parceira
- **Orçamento global** da proposta e de cada organização **parceira**

PARTE B – INFORMAÇÃO TÉCNICA

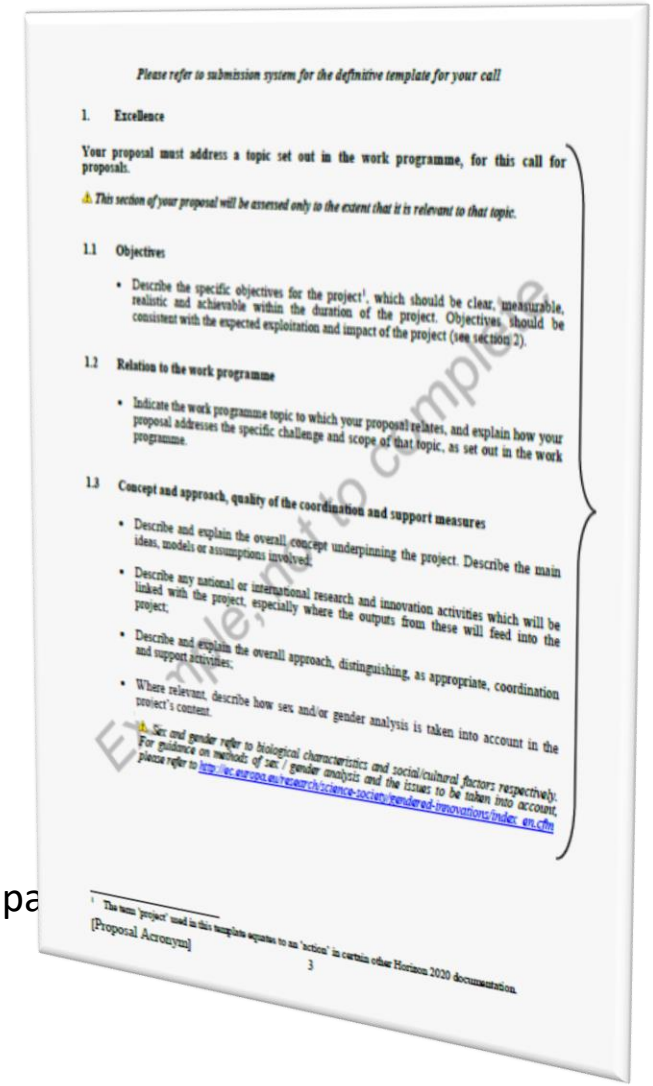
1. Excellence
- 1.1 Objectives
- 1.2 Relation to the work programme
- 1.3 Concept and approach
- 1.4 Ambition

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

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

4. Members of the consortium
- 4.1 Participants (applicants)
- 4.2 Third parties involved in the project (including use of third pa

5. Ethics and Security
- 5.1Ethics
- 5.2 Security



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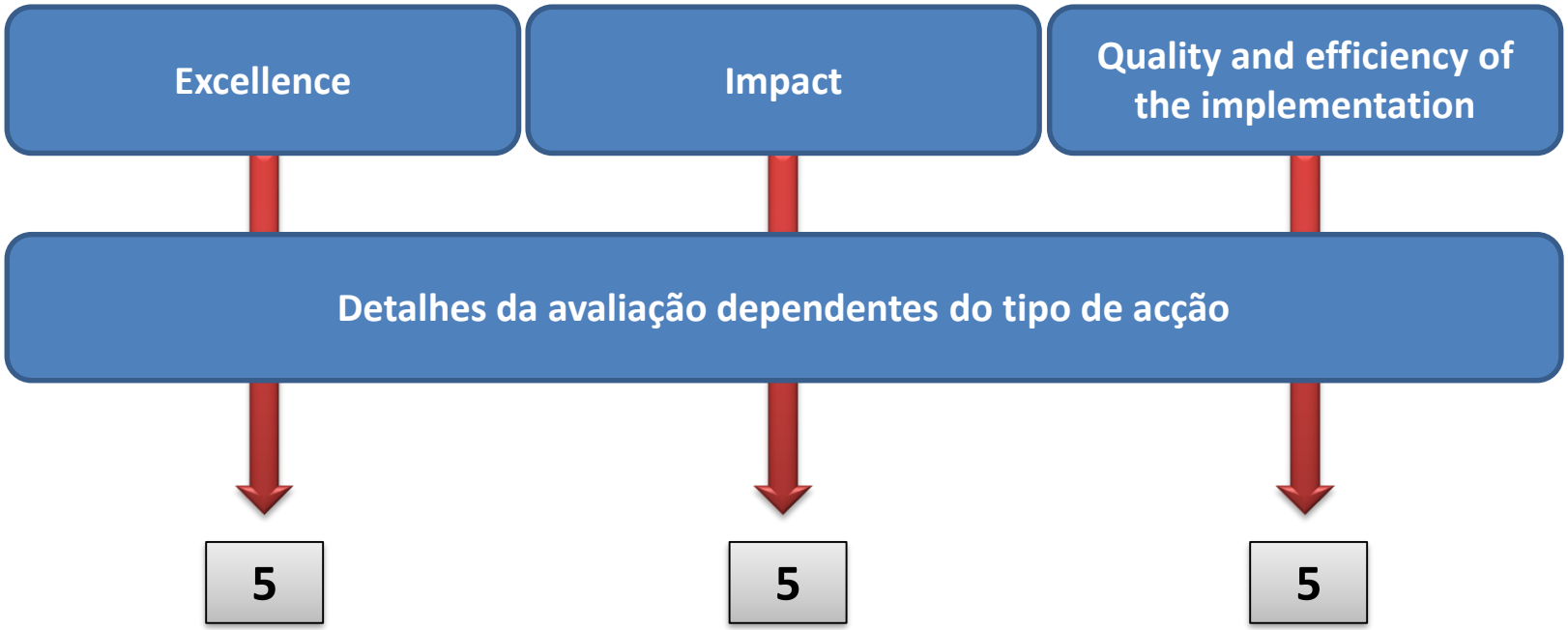
[1] The term 'project' used in this template equates to an 'action' in certain other Horizon 2020 documentation.

[Proposal Acronym] 3

Example, not to complete

CRITÉRIOS DE AVALIAÇÃO



PARTE B – INFORMAÇÃO TÉCNICA

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- 1.2 Relation to the work programme
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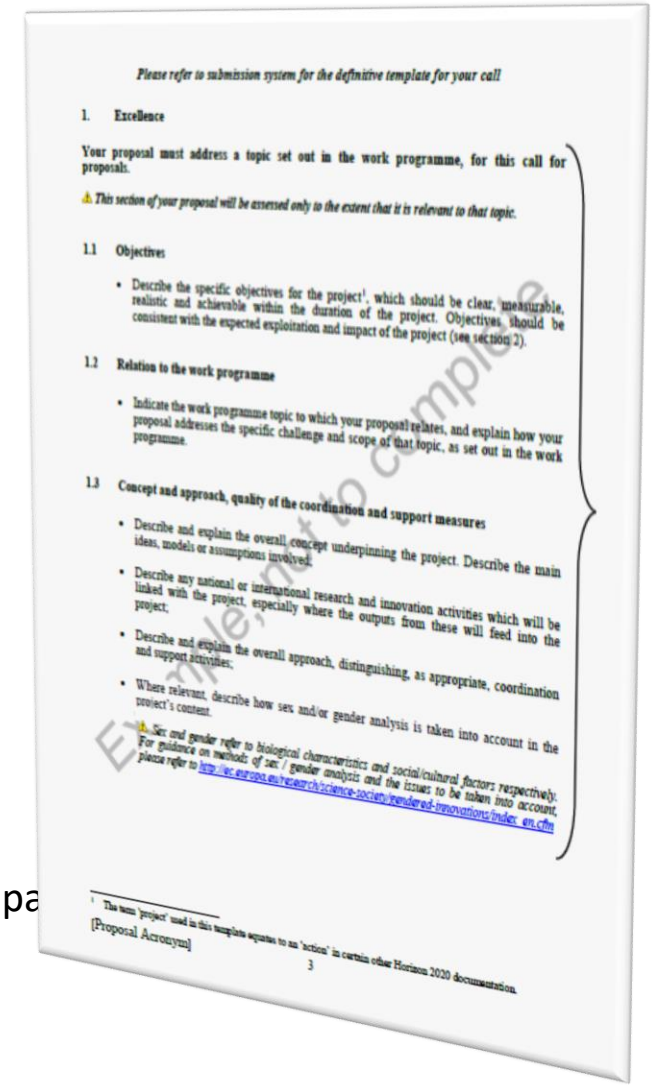

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[Proposal Acronym] 3

Example, not to complete

SECÇÃO 1 - EXCELLENCE

Como são avaliados os sub-critérios?

1. Excellence

Note: The following aspects will be taken into account, to the extent that the proposed work corresponds to the topic description in the work programme:

- **Clarity and pertinence of the objectives**
- **Soundness of the concept, and credibility of the proposed methodology**
- **Extent that the proposed work is beyond the state of the art, and demonstrates innovation potential (e.g. ground-breaking objectives, novel concepts and approaches, new products, services or business and organisational models)**
- **Appropriate consideration of interdisciplinary approaches and, where relevant, use of stakeholder knowledge**

Comments:

http://ec.europa.eu/research/participants/data/ref/h2020/call_ptef/ef/2016-2017/h2020-call-ef-ria-ia-csa-2016-17_en.pdf

SECÇÃO 1 - EXCELLENCE

Erros mais comuns

- Objectivos demasiado **vagos**
- **Fraca relação** com o programa de trabalhos
- Conceito e abordagem **mal descritos** ou **sem lógica**
- Abordagem **pouco fundamentada**
- Ambição demasiado **vaga** ou **sem inovação** de ponta

PARTE B – INFORMAÇÃO TÉCNICA

1. Excellence
- 1.1 Objectives
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- 1.4 Ambition

2. Impact
- 2.1 Expected impacts — 1st stage
- 2.2 Measures to maximise impact — 2nd stage
  - a) Dissemination and exploitation of results
  - b) Communication activities

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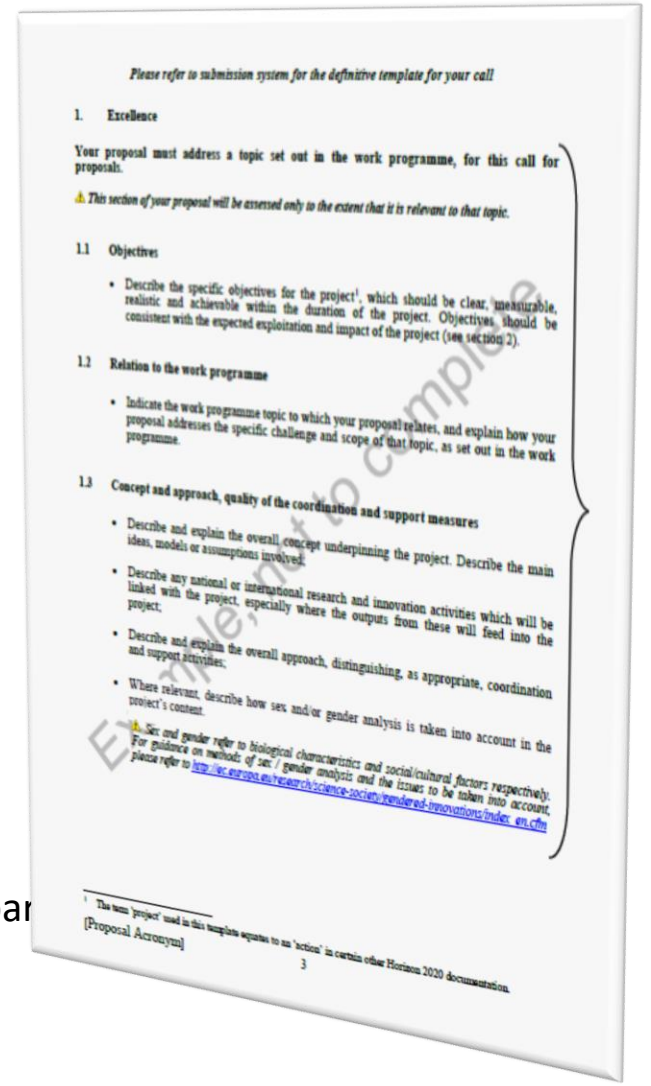

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[Proposal Acronym] 3

Example, not to complete

SECÇÃO 2 - IMPACT

Como são avaliados os sub-critérios?

2. Impact

Note: The following aspects will be taken into account:

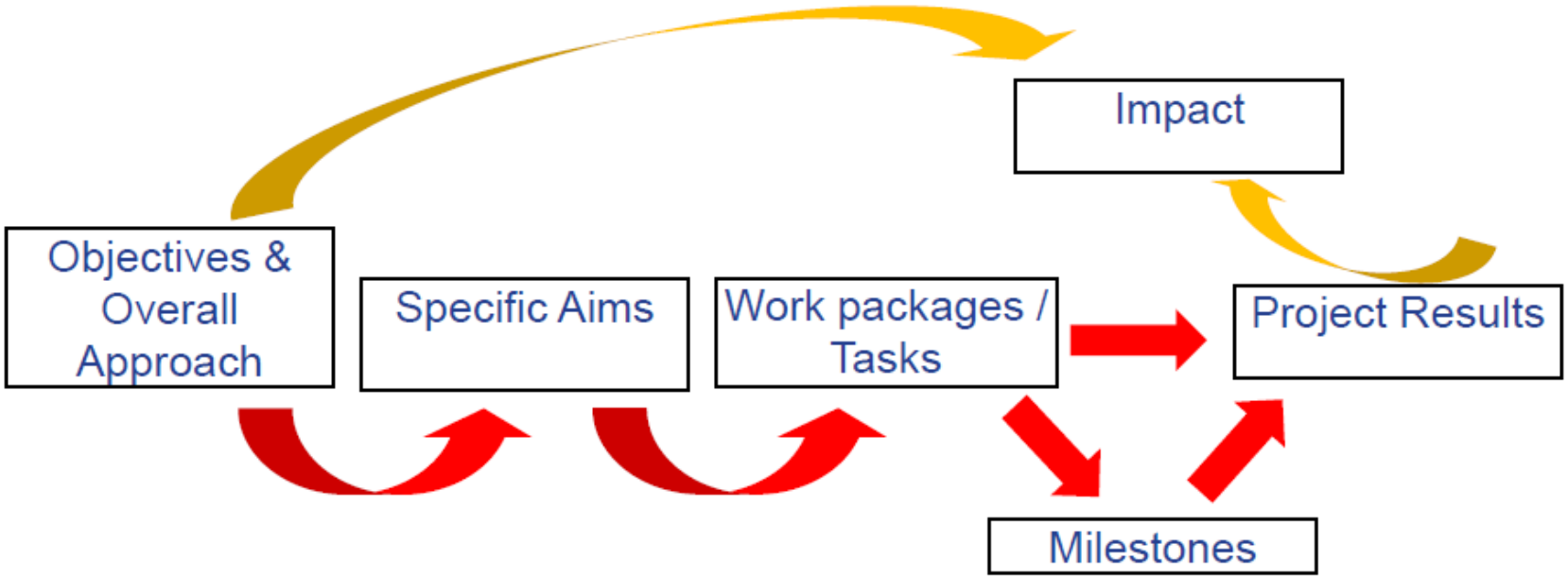
- **The extent to which the outputs of the project would contribute to each of the expected impacts mentioned in the work programme under the relevant topic;**
- Any substantial impacts not mentioned in the work programme, that would enhance innovation capacity, create new market opportunities, strengthen competitiveness and growth of companies, address issues related to climate change or the environment, or bring other important benefits for society;
- Quality of the proposed measures to:
  - Exploit and disseminate the project results (including management of IPR), and to manage research data where relevant.
  - Communicate the project activities to different target audiences

Comments:

http://ec.europa.eu/research/participants/data/ref/h2020/call_ptef/ef/2016-2017/h2020-call-ef-ria-ia-csa-2016-17_en.pdf

SECÇÃO 2 - IMPACT

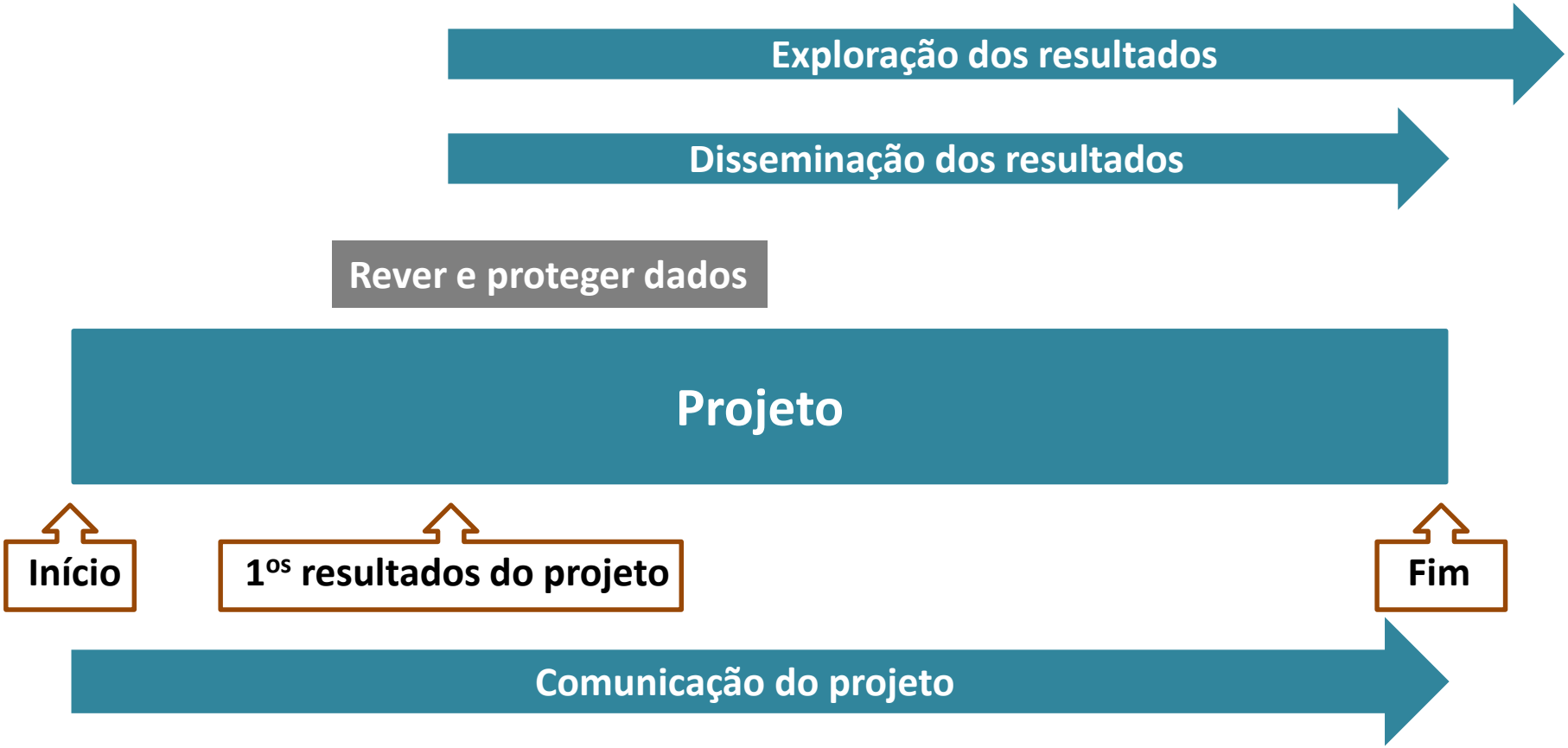
Coerência da proposta!



www.healthncp.net

SECÇÃO 2 - IMPACT

2.2 – Measures to maximize the impact



SECÇÃO 2 - IMPACT

Erros mais comuns

- **Impactos demasiado genéricos com o** contributo para os restantes impactos **mal demonstrado**.
- A inovação e integração de novo conhecimento está **limitada ao desenvolvimento de aplicações de uma plataforma existente**.
- **Impacto limitado no fortalecimento da competitividade e crescimento das empresas”**.
- A abordagem da proposta e a forma como permite alcançar o impacto esperado **não está suportada em exemplos convincentes**.
- É fornecida **informação insuficiente sobre o potencial impacto na excelência e competitividade global e Europeia**.
- A proposta **não explica nem justifica adequadamente os benefícios económicos**.

SECÇÃO 3 - IMPLEMENTATION

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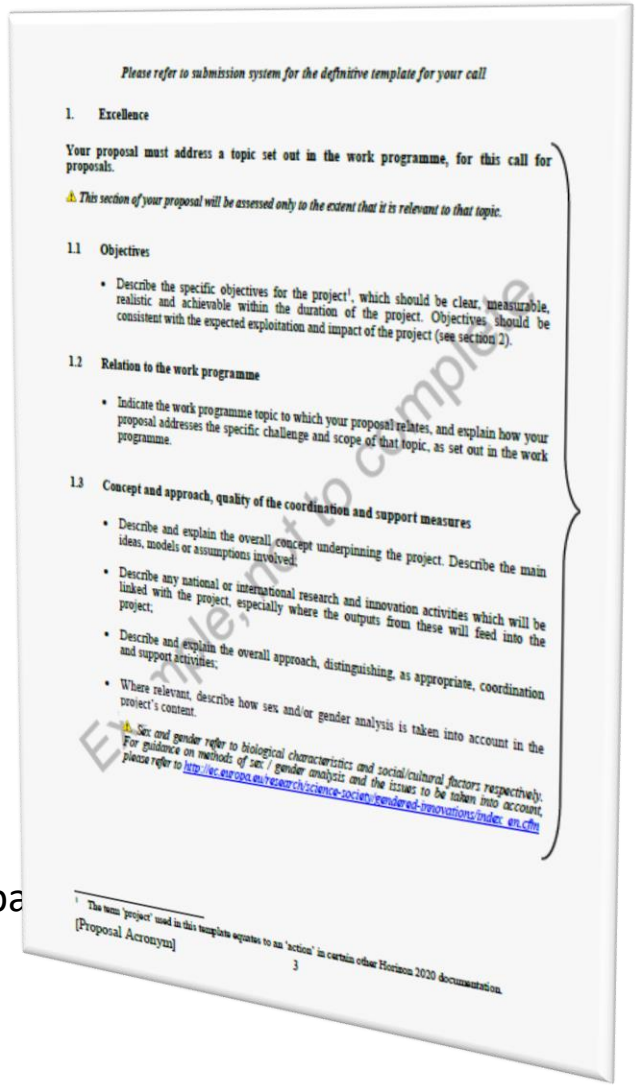

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Example, not to complete

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[Proposal Acronym] 3

SECÇÃO 3 - IMPLEMENTATION

Como são avaliados os sub-critérios?

3. Quality and efficiency of the implementation *

Note: The following aspects will be taken into account:

- Quality and effectiveness of the work plan, including extent to which the resources assigned to work packages are in line with their objectives and deliverables;
- Appropriateness of the management structures and procedures, including risk and innovation management;
- Complementarity of the participants and extent to which the consortium as whole brings together the necessary expertise;
- Appropriateness of the allocation of tasks, ensuring that all participants have a valid role and adequate resources in the project to fulfil that role.

Comments:

http://ec.europa.eu/research/participants/data/ref/h2020/call_ptef/ef/2016-2017/h2020-call-ef-ria-ia-csa-2016-17_en.pdf

SECÇÃO 3 - IMPLEMENTATION

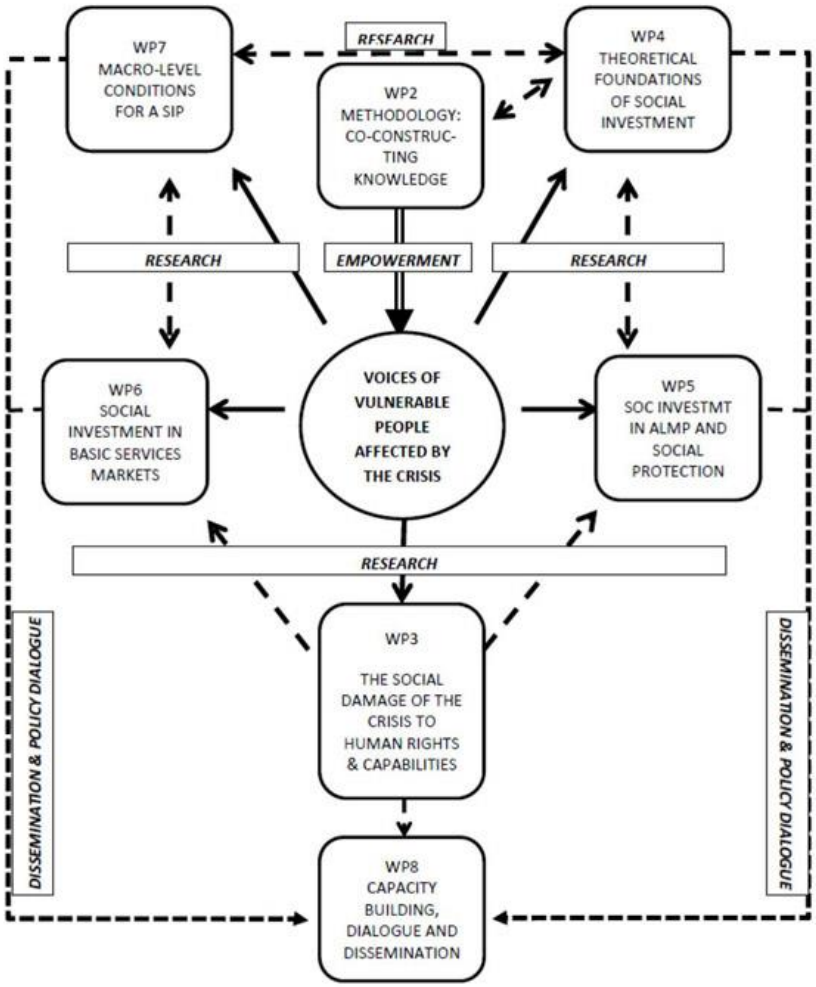


Diagrama de PERT

http://www.re-invest.eu/about-us

SECÇÃO 3 - IMPLEMENTATION

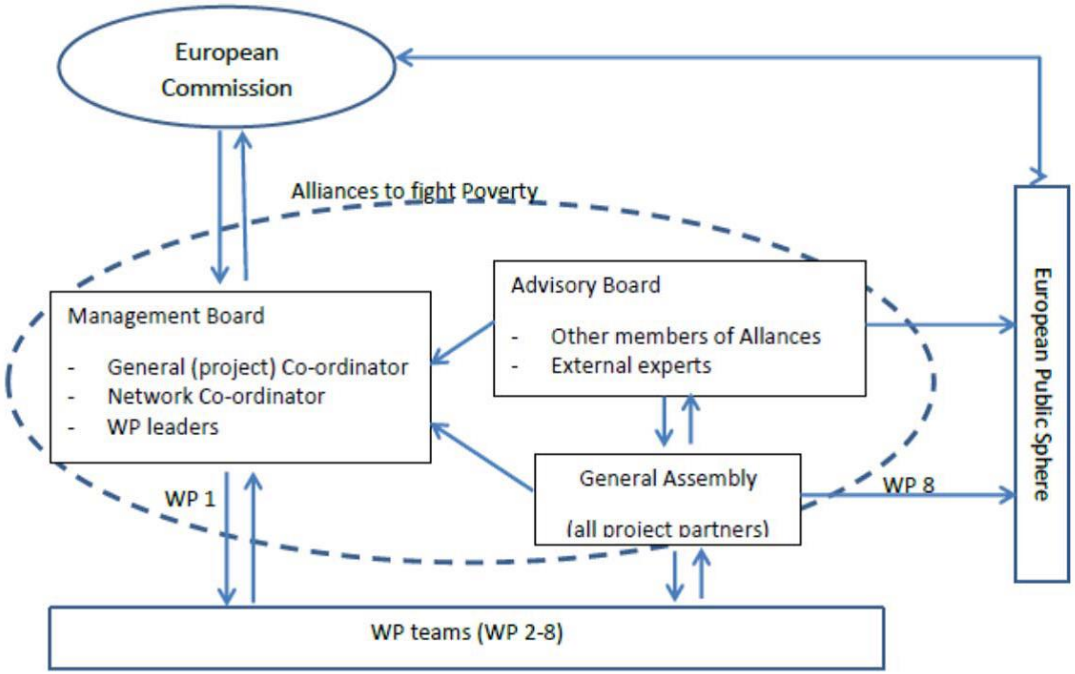
Month n°	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
WP1 - Project management Deliverables -->			1.1																																
Task 1.1 – General coordination	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Task 1.2 – Financial management	X	X	X	X	X							X	X			X	X	X	X	X				X	X								X	X	X
Task 1.3 – Reporting and monitoring			X	X	X	X	X	X	X	X					X	X	X	X	X	X	X	X					X	X	X	X	X	X			
Task 1.4 – Quality assurance				X	X	X	X	X			X	X	X	X	X	X	X						X	X	X	X			X	X				X	X
WP2–Definition of the new technology Deliver.->			2.1	2.2				2.3		2.4	2.5	2.6																							
Task 2.1 – Resume of the previous projects and Study for the integration of the moving trays, Lights and other devices	X	X	X																																
Task 2.2 –definition of the new LED Lamps with specific spectra			X	X	X	X	X	X	X																										
Task 2.3 – definition of new sensors' requirements	X	X	X	X	X	X	X																												
Task 2.4 – Design of the new sensors						X	X	X	X	X																									
Task 2.5 – Communication and control system			X	X	X	X	X	X	M1	X	X	X																							
WP3 – Growth protocols and biological validation						3.1												3.2																	3.3
Task 3.1 – Definition of the new growth protocols for cultural practices	X	X	X	X	X	X																													
Task 3.2 – Implementations of the new growth protocols for cultural practices							X	X	X	X	X	X	X	X	X																				
Task 3.3 - Growth Tests with LED lamps																X	X	X	X	X	X	X	X	X	X					X	X	X	X	X	X
Task 3.4 - Growth tests with the new sensors																		X	X	X	X	X	X	X	X					X	X	X	X	X	X
WP4–Development of the technical components														4.1	4.2			4.3	4.5	4.4	4.6	4.7													
Task 4.1 – Frame construction, movement transmission, irrigation system and water recycling				X	X	X	X	X	X	X	X	X	X	M2																					
Task 4.2- Led light system									X	X	X	X	X	X	X																				
Task 4.3 – New sensors								X	X	X	X	X	X	X	X	X	X	X																	
Task 4.4 – Control and monitoring system , wireless communications system for the sensors												X	X	X	X	X	X	X	X	X															
Task 4.5 – Robotic devices				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X																
Task 4.6 – Solar panel power system															X	X	X	X	X	X	M3														
WP5 – System Integration Deliverables->																									5.1						5.2				
Task 5.1 - Assembly of the mechanical parts									X	X	X	X	X	X	X	X	X	X																	
Task 5.2 – Integration of system and devices																	X	X	X	X	X	X	X	X	M4										
Task 5.3 – User's manual																												X	X	X	X				
WP6 –Technical Validation Deliverables->																													6.1						
Task 6.1 – Technical validation (Demonstration)																										X	X	X	X						
WP7 – Dissemination and Exploitation			7.1									7.8	7.3								7.4			7.6						7.2			7.5	7.7	
Task 7.1 – Project web site			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Task 7.2 – Market Analysis							X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X													
Task 7.3 – Workshops and International Fair												W												W							F	M5			
Task 7.4 – Scientific articles									X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Task 7.5 – Industrial implementation									X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
Project meetings	P1						P2					P3						P4						P5						P6					
Month n°	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
LEGENDA	M = Milestones 2.2 Deliverables F = Participation at an international fair W = Workshop																																		

Gantt Chart

http://www.zephyr-project.eu/node/5

SECÇÃO 3 - IMPLEMENTATION

- ✓ A estrutura de gestão do consórcio deve ser clara e demonstrar como o projeto será gerido
  - ✓ Diagrama sobre a estrutura de gestão é também útil



http://www.re-invest.eu/about-us

SECÇÃO 3 - IMPLEMENTATION

Erros mais comuns

- Os *Work Packages* propostos não estão descritos com **suficiente detalhe**
- Existem **demasiadas tarefas e recursos** concentradas num WP.
- Algumas descrições de tarefas **não estão suficientemente detalhadas**.
- O ***timing* projetado é problemático**, com tarefas que se alimentam a decorrer simultaneamente.
- Os **recursos pedidos não estão bem justificados**
- A proposta lista **poucos *milestones*** face à duração do projeto
- O **plano de contingência** não responde ao riscos identificados

ASPECTOS A CONSIDERAR NA ELABORAÇÃO DA PROPOSTA

Primeiro: Que papel queremos ter?

Coordenação vs. parceria

- Experiência em participação H2020
- Responsabilidade e disponibilidade
- Principais competências

ASPECTOS A CONSIDERAR NA ELABORAÇÃO DA PROPOSTA

- ✓ Inicie a elaboração da proposta com antecedência:
  - ✓ A ideia inicial necessita de tempo para amadurecer e transformar-se-á no contacto com os restantes parceiros
  - ✓ Procure apoio na sua instituição desde o início
- ✓ A proposta deverá facilitar a leitura pelo avaliador
  - ✓ Use **negrito**, diagramas, *bulletpoints*, etc…
  - ✓ Seja direto desde o início: identifique o que será feito, de que forma será feito, e estabeleça uma ligação clara com o tópico – particularmente com o *scope* e impacto esperado.

ASPECTOS A CONSIDERAR NA ELABORAÇÃO DA PROPOSTA

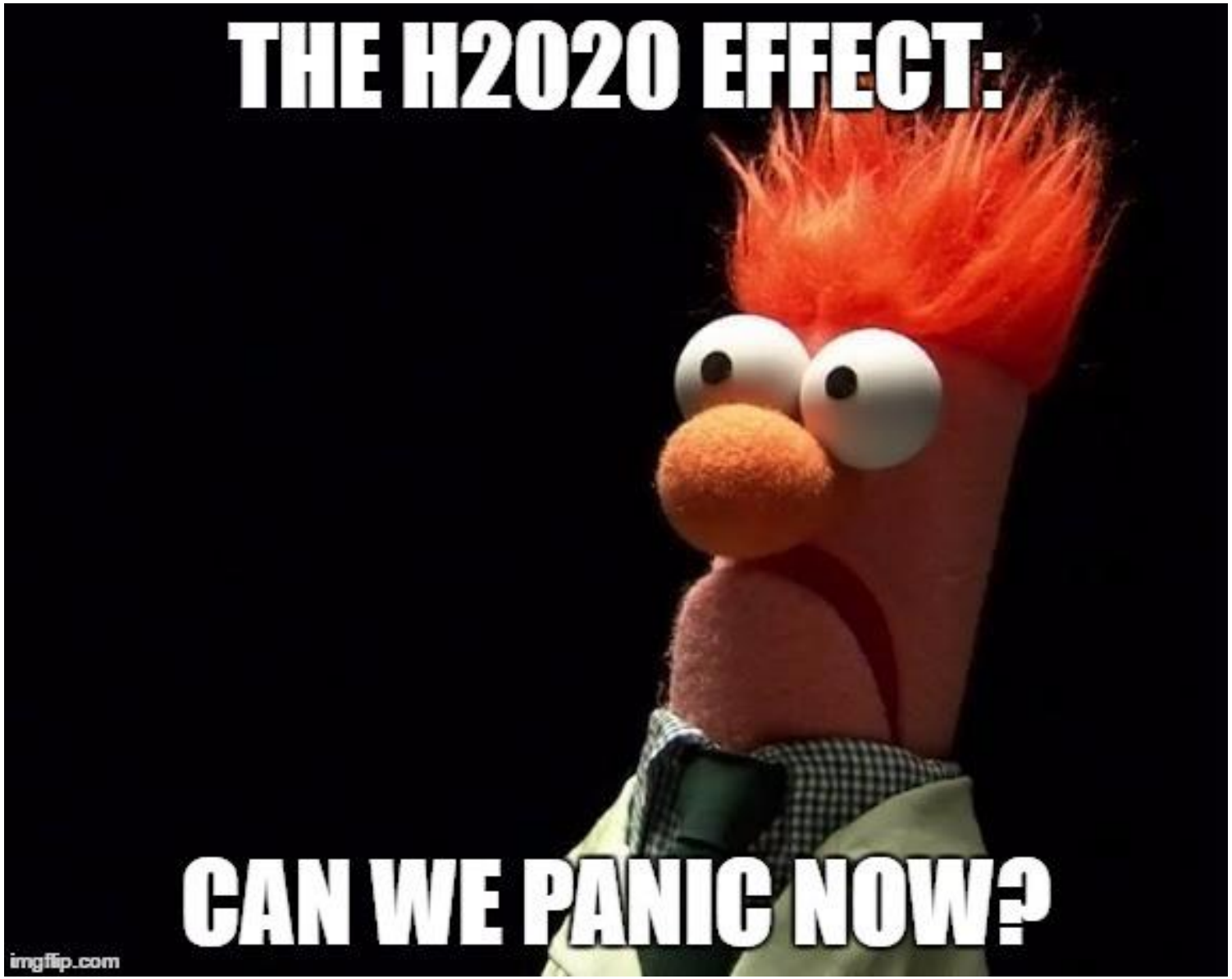
- ✓ Seja rigoroso ao preencher a Ethics Table na parte A e a responder a estas questões no formulário (em anexo deverão seguir os documentos de suporte).
- ✓ Preste atenção ao abstract – é com base neste abstract que as propostas são distribuídas entre os avaliadores
- ✓ Dê a sua proposta a ler a colegas.
- ✓ Envie a sua proposta para o NCP

ASPECTOS A CONSIDERAR NA ELABORAÇÃO DA PROPOSTA

- ✓ O plano de trabalhos deve ser credível e exequível
  - ✓ Adequação aos objetivos definidos
  - ✓ Descrição detalhada das tarefas – incluindo deliverables e milestones de cada WP
  - ✓ Definição dos recursos necessários à execução das tarefas
  - ✓ Enquadramento do WP no tempo de vida no projeto
  - ✓ Parceiros envolvidos no WP e respetivas tarefas – competências, experiência anterior…
  - ✓ Os diferentes WP devem formar um conjunto coeso e interligado, projetado de forma clara ao longo do ciclo de vida do projeto

ASPECTOS A CONSIDERAR NA ELABORAÇÃO DO ORÇAMENTO

- ✓ PM -> custos reais
- ✓ Adequação dos recursos às tarefas.
- ✓ O detalhe exigido pelo orçamento permite aos participantes voltar a olhar em detalhe para o plano de trabalhos
- ✓ Os custos de serviços, subcontratação, equipamento, etc – espelhar a realidade, salvaguardando as devidas especificidades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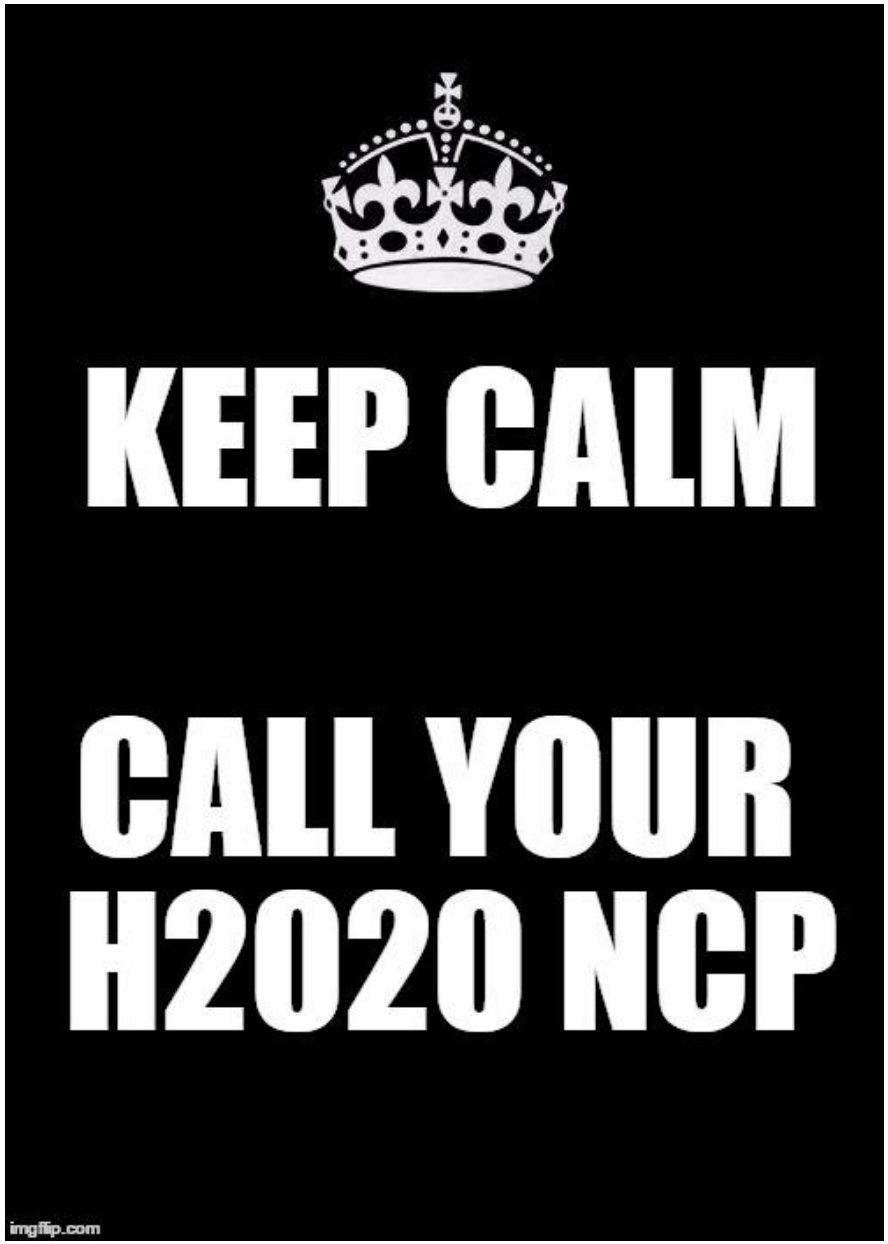
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Verifique o calendário das sessões de divulgação e workshops sobre escrita de propostas