



Gabinete de Promoção dos Programa Quadro ID&I
Fundação para a Ciência e Tecnologia | Agência Nacional de Inovação

Horizonte 2020

***Desafio Societal 6: Europa num mundo em mudança:
sociedades inclusivas, inovadoras e reflexivas***

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Conteúdos

O Desafio Societal 6

- *Contextualização*
- Programa de trabalhos 2016 -17

Pré publicação em:

<https://ec.europa.eu/programmes/horizon2020/en/draft-work-programmes-2016-17>

Perguntas e Respostas

Programação Estratégica na preparação do Programa de Trabalho

- *Programa de trabalho baseado nos inputs de um exercício de programação estratégica*
- *Aumento do impacto do financiamento*
- *Programas de trabalho bienais (2016-2017)*
- *Leitmotiv: crise económica e caminho para o crescimento sustentável – contributo do H2020*

Desafios da União Europeia

Internamente:

- Crescente desigualdade afecta negativamente a criação de prosperidade e estabilidade.
- 6 milhões de pessoas desempregadas durante a crise,
- 120 milhões de pessoas estão em risco de pobreza,
- 14 milhões de jovens (15-29 anos) não estão contemplados pelo sistema educativo, emprego ou formação.
- Investimento privado em investigação e inovação aquém da meta, crescente fuga de cérebros motivadas pela crise e pela austeridade.



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Desafios da União Europeia

Externamente;

Crise na Ucrânia e a crescente influência do islamismo radical no Médio Oriente e África.



Desafios à segurança e a necessidade de criar soluções para a imigração e pessoas que procuram asilo através de ajuda humanitária e cooperação para o desenvolvimento

Baseadas no tema transversal Responsible Research and Innovation (RRI):

Promovendo a participação de diversos atores incluindo a sociedade, integrando questões de género e dimensões éticas .

Encontrar novas fontes de crescimento e de emprego, prestar serviços públicos de qualidade e renovar a legitimidade da formulação de políticas públicas na Europa

Contexto

- Projectos enquadrados em “desafios”
- Tópicos amplos, ênfase nos impactos esperados
- Tipos de acção:

<i>Investigação e Inovação (RIA)</i>	Min. 3 entidades legais independentes. Diferentes Estados Membros ou Países Associados .	Funding rate: 100%
<i>Inovação (IA)</i>	Min. 3 entidades legais independentes. Diferentes Estados Membros ou Países Associados .	70% non-profit legal entities 100%
<i>Coordenação e Suporte (CSA)</i>	Min. 1 entidade legal de um Estado Membro ou País Associado	100%
<i>Era-NET Cofund</i>	Min. 3 entidades legais independentes. Diferentes Estados Membros ou Países Associados. Research funders: entidade jurídica que possui ou gere programas de investigação pública e inovação.	33% of the total eligible costs of the action
<i>SME Instrument</i>	Pelo menos 1 SME. SMEs com fins-lucrativos de um Estado Membro ou País Associado	4 Fases: Lump sum, 70%

Desafio Societal 6: Europa num mundo em mudança: sociedades inclusivas, inovadoras e reflexivas

Sociedades inclusivas

- Crescimento inteligente, sustentável e inclusivo
- Sociedades resilientes (migração, integração e alterações demográficas)
- O papel da Europa como ator global

Sociedades inovadoras

- “Evidence base support” para a União da Inovação e EEI
- Novas formas de inovação
- Potencial de todas as gerações
- Cooperação com países terceiros

Sociedades Reflexivas

- Herança Europeia (memória, identidade)
- Países Europeus e história das regiões
- Papel da Europa no mundo

Calls Desafio Societal 6

- **CO-CREATION FOR GROWTH AND INCLUSION**
- Co-criação como promotor de crescimento, inclusão e desenvolvimento societal baseado na inovação.
- Motivar o uso da criatividade e colaboração entre os vários atores da sociedade através da co-criação.
- Envolver cidadãos, usuários, universidades, autoridades públicas, empresas - incluindo PMEs, setores criativos e empreendedores sociais em todo o processo.
- Foco na relação entre co-criação e inovação social



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Calls Desafio Societal 6

CO-CREATION FOR GROWTH AND INCLUSION

CO-CREATION-01-2017: Education and skills: empowering Europe's young innovators

Specific Challenge: **Creativity, entrepreneurial skills, risk taking adaptability and innovation** capacity, problem solving skills, skills related to effective teamwork and sharing information and knowledge, may all be key competitive advantages for Europeans, starting from young children.

To make the best of this potential, it is essential that schools and educational institutions, as well as **non-formal** ways of learning, empower Europe's young innovators with the skills they need from early on in life. Empowering the young through **skills for innovation and entrepreneurship**, including **social entrepreneurship**, is particularly important to building more inclusive societies giving opportunities to all, including **young innovators from less privileged backgrounds or those with disabilities** in order to address inequalities.

The challenge to be addressed by this topic is to improve learning and teaching in innovation-related skills for **young boys and girls at the age of primary and secondary education** through the design and piloting of new innovative ways of skills education, including technologies, processes and relations.

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- **CO-CREATION-01-2017: Education and skills: empowering Europe's young innovators**

Scope:

New approaches for educating skills need to be developed, piloted and scaled up. There is a lack of sufficient **collaboration with entrepreneurial stakeholders in teaching and students practice**, and a lack of **inter-generational learning**. Young people need to be supported with tools, resources and an open environment encouraging experimentation and the development of joint projects including based on interdisciplinary approaches. Effective supporting schemes should guide young people into their entrepreneurial journey.

Building upon existing initiatives in Europe, the consortia (which shall **include entrepreneurial partners, and may include partners from civil society and the social economy**) shall develop new approaches and innovative models for skills education targeted at young people.

The involvement of young people in the activities of the consortium (not just as recipients of the outputs) is essential. This may include new inter-active methods and new pedagogical modules that will be easily accessible and part of an open platform, which will aim to reach out to thousands of schools and learning sites across Europe. The innovative schemes and new modules will enable the young, future innovators, to develop new capabilities and experimentation attitudes and turn their ideas into successful entrepreneurial and social projects.

Calls Desafio Societal 6

Promising **new models combining technologies with organizational change** and building new participatory relations in learning processes - can be tested and adapted in different regions. The innovative models shall be piloted through the schools and/or other businesses and communities, providing young people with a practical set of creative and entrepreneurial skills that will open them up to a world of new possibilities and future jobs.

Within the scope of the action is to develop new models, to investigate and to test new mechanisms that the young generation is engaging in, for addressing societal challenges coupled with an entrepreneurial spirit as well as effective ways and mechanisms for collecting and promoting innovative ideas from the young people. **Particular attention should be paid to gender issues.**

The action should take into account and coordinate with, where appropriate, with other EU and national initiatives in the field, such as those supported in the **context of Erasmus+ strategic partnerships and policy experimentation.**



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- **CO-CREATION-01-2017: Education and skills: empowering Europe's young innovators**

Expected Impact:

The action will pave the way for innovating learning and teaching practices, so that **innovation skills are part of a person's education, formal and informal, at schools and interacting communities as well as on-line**. This will boost innovation and entrepreneurship capacity, bringing together many stakeholders including from **education, traditional business, the social and service economy and volunteering schemes**. It will thereby empower young innovators across Europe, provide for innovative business models and give them tools to engage in society and channel their energies to create opportunities for the future. In the long run the topic contributes to higher youth employment and to creating new markets and new jobs.

The knowledge generated as a result of the actions should be **disseminated across Europe to benefit the largest numbers of young innovators**.

Type of Action: Innovation action (2.5 M)



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Calls Desafio Societal 6

- CO-CREATION-02-2016: User-driven innovation: value creation through design-enabled innovation (CSA) 4 M
- CO-CREATION-03-2016: Piloting demand-driven collaborative innovation models in Europe (IA) 2.5 M
- CO-CREATION-04-2017: Applied co-creation to deliver public services (IA) 4-5 M
- CO-CREATION-05-2016: Co-creation between public administrations: once-only principle (IA e CSA – 1M)



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- 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)
- CO-CREATION-07-2017: Towards a new growth strategy in Europe - Improved economic and social measurement, data and official statistics (RIA – 2M, CSA- 1M)
- CO-CREATION-08-2016/2017: Better integration of evidence on the impact of research and innovation in policy making (RIA – 1-1.5 M)
- CO-CREATION-09-2016: A European map of knowledge production and co-creation in support of research and innovation for societal challenges (CSA- 2M)

Calls Desafio Societal 6

Topics (Type of Action)	Budgets (EUR million)		Deadlines
	2016	2017	
Opening: 27 Oct 2015			
CO-CREATION-02-2016 (CSA)	4.00		04 Feb 2016
CO-CREATION-03-2016 (IA)	5.00		
CO-CREATION-08-2016/2017 (RIA)	3.50		
CO-CREATION-09-2016 (CSA)	2.00		
Opening: 05 Jan 2016			
CO-CREATION-05-2016 (CSA)	1.00		24 May 2016
CO-CREATION-05-2016 (IA)	8.00		

Calls Desafio Societal 6

Opening: 04 Oct 2016			
CO-CREATION-01-2017 (IA)		5.00	02 Feb 2017
CO-CREATION-04-2017 (IA)		10.00	
CO-CREATION-06-2017 (RIA)		11.00	
CO-CREATION-06-2017 (CSA)		0.50	
CO-CREATION-07-2017 (RIA)		2.00	
CO-CREATION-07-2017 (CSA)		1.00	
CO-CREATION-08-2016/2017 (RIA)		3.65	
Overall indicative budget	23.50	33.15	

Calls Desafio Societal 6

REVERSING INEQUALITIES AND PROMOTING FAIRNESS

- Objetivos: promover um quadro social e económico que promova a equidade e a sustentabilidade na Europa, respeitando a diversidade do continente e considerando o contexto global.
- Atividades de investigação e inovação têm um papel importante para compreender e mitigar as tendências de desigualdade.

Calls Desafio Societal 6

REVERSING INEQUALITIES AND PROMOTING FAIRNESS

- Abordar políticas públicas e medidas (ex: Política fiscal, a inovação de serviço público, reformas do Estado-providência, etc.) que deverão ser identificadas e comparadas na sua utilidade para atenuar as desigualdades na Europa e outras partes do mundo.
- Ênfase em reverter as desigualdades territoriais, promover igualdade de direitos humanos, condições que permitam políticas urbanas abrangentes, prestação de serviços sociais e igualdade de acesso à utilização das TIC.

Calls Desafio Societal 6

REV-INEQUAL-01-2016: An empirically informed European theory of justice and fairness (RIA – 2.5M)

Scope:

- 1) Towards a European Theory of Justice and Fairness
- 2) How Europeans perceive, experience, relate to and contest inequalities

REV-INEQUAL-02-2016: Contemporary radicalisation trends and their implications for Europe (RIA -5M)

Scope:

- 1) Radicalisation, violence and hate crime
- 2) Radicalisation and religious fundamentalism

REV-INEQUAL-03-2016: Dynamics of inequalities across the life-course (ERA-NET cofund -5M)

REV-INEQUAL-04-2016: Intra-EU mobility and its impacts for social and economic systems (RIA – 2.5M)



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REV-INEQUAL-05-2016: Inequalities in the EU and their consequences for democracy, social cohesion and inclusion (RIA-2.5M)

Scope:

- 1) The relation between democracy and the 'middle class'
- 2) Increasing inequalities and their impact on classical and non-classical political participation
- 3) Young people and the future of European democracies

REV-INEQUAL-06-2016: Tackling inequalities at their roots: new policies for fairness in education from early age (RIA-5M)

Scope:

- 1) Reducing educational disparity and disadvantage from an early age
- 2) The contribution of innovative forms of organisation management or professional practices in educational systems to equity and efficiency

REV-INEQUAL-07-2016: Spatial justice, social cohesion and territorial inequalities (RIA-5M)

Scope:

- 1) Territorial Cohesion, Spatial Justice and Solidarity in Europe
- 2) Regionalism, a question of political and social equality?



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REV-INEQUAL-08-2016: Fighting inequalities through policies against tax fraud and tax evasion (RIA-2.5M)

Scope:

- 1) The state dimension: the role of governments; tax law and tax enforcement regimes
- 2) The perpetrators' side: practices, motivations and attitudes across Europe

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

REV-INEQUAL-10-2016: Multi-stakeholder platform for enhancing youth digital opportunities (CSA-1M)

Calls Desafio Societal 6

Topics (Type of Action)	Budgets (EUR million)		Deadlines
	2016	2017	
Opening: 27 Oct 2015			
REV-INEQUAL-01-2016 (RIA)	37.50		04 Feb 2016
REV-INEQUAL-02-2016 (RIA)			
REV-INEQUAL-04-2016 (RIA)			
REV-INEQUAL-05-2016 (RIA)			
REV-INEQUAL-06-2016 (RIA)			
REV-INEQUAL-07-2016 (RIA)			
REV-INEQUAL-08-2016 (RIA)			
REV-INEQUAL-03-2016 (ERA-NET-Cofund)	5.00		
REV-INEQUAL-10-2016 (CSA)	1.00		

Calls Desafio Societal 6

Opening: 04 Oct 2016			
REV-INEQUAL-09-2017 (CSA)		3.00	02 Feb 2017
Overall indicative budget	43.50	3.00	

Calls Desafio Societal 6

- UNDERSTANDING EUROPE PROMOTING THE EUROPEAN PUBLIC AND CULTURAL SPACE
- Papel relevante da investigação em humanidades e ciências sociais para a criação de uma nova narrativa da Europa, estudando as oportunidades e barreiras ao surgimento de uma esfera pública e espaço cultural europeu.
- Papel relevante que a tecnologia pode desempenhar na promoção de um melhor entendimento da riqueza do património e da diversidade da Europa.
- Reflexão profunda e contínua da diversidade cultural e social da Europa e seu passado facilitam a percepção dos desafios societais que as sociedades europeias enfrentam devido a fatores exógenos e endógenos.

Calls Desafio Societal 6

- UNDERSTANDING EUROPE PROMOTING THE EUROPEAN PUBLIC AND CULTURAL SPACE

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

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

Scope:

- 1) Formal education, curricula and teaching practice
- 2) Civil society, informal education and political discourses

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

Scope:

- 1) Promoting cultural literacy through formal education
- 2) The role of non-formal and informal education and others factors in the development of cultural literacy

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



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Calls Desafio Societal 6

UNDERSTANDING EUROPE PROMOTING THE EUROPEAN PUBLIC AND CULTURAL SPACE

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

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

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

CULT-COOP-08-2016: Virtual museums and social platform on European digital heritage, memory, identity and cultural interaction (RIA-2.5M, CSA 1M)

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

CULT-COOP-10-2017: Culture, integration and European public space (ERA-NET – 5M)

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



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Calls Desafio Societal 6

Topics (Type of Action)	Budgets (EUR million)		Deadlines
	2016	2017	
Opening: 27 Oct 2015			
CULT-COOP-08-2016 (RIA)	10.00		04 Feb 2016
CULT-COOP-08-2016 (CSA)	1.00		
CULT-COOP-11-2016/2017 (RIA)	8.00		
CULT-COOP-11-2016/2017 (CSA)	0.50		

Calls Desafio Societal 6

Opening: 04 Oct 2016

CULT-COOP-01-2017 (RIA)		25.00	02 Feb 2017
CULT-COOP-02-2017 (RIA)			
CULT-COOP-03-2017 (RIA)			
CULT-COOP-04-2017 (RIA)			
CULT-COOP-05-2017 (RIA)			
CULT-COOP-06-2017 (RIA)			
CULT-COOP-07-2017 (RIA)			
CULT-COOP-06-2017 (CSA)		1.50	
CULT-COOP-09-2017 (RIA)		9.00	
CULT-COOP-10-2017 (ERA-NET-Cofund)		5.00	
CULT-COOP-11-2016/2017 (RIA)		7.00	
Overall indicative budget	19.50	47.50	

Calls Desafio Societal 6

- **ENGAGING TOGETHER GLOBALLY**
- Atividades de investigação analisarão a melhor forma de assegurar sinergias e coerência entre os Estados-Membros e os objetivos e instrumentos da política externa da UE.
- Maximizar a sua influência também pressupõe a compreensão da Europa num contexto global e seu legado histórico e cultural.
- A participação de entidades de regiões e países parceiros internacionais especificados anteriormente é fortemente encorajada.



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

Scope:

- 1) Using science in the context of European diplomacy
- 2) European culture, values and reflections of Europe's colonial past in contemporary European societies
- 3) 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)

Scope:

- 1) Recent global geopolitical developments and their implications for the European Union
- 2) European Union's preparedness for managing risks and opportunities, fostering peace in a crisis-ridden context

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

Scope:

- 1) An integrated approach to migration and development
- 2) EU policy coherence and migration



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

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

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

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

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

ENG-GLOBALLY-09-2016: Centres/Networks of European research and innovation (CSA-3M)



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Opening: 08 Dec 2015

ENG-GLOBALLY-08-2016/2017 (CSA)	1.50		14 Apr 2016
ENG-GLOBALLY-09-2016 (CSA)	10.00		
Opening: 04 Oct 2016			
ENG-GLOBALLY-01-2017 (RIA)		25.00	02 Feb 2017
ENG-GLOBALLY-02-2017 (RIA)			
ENG-GLOBALLY-03-2017 (RIA)			
ENG-GLOBALLY-05-2017 (RIA)			
ENG-GLOBALLY-06-2017 (RIA)			
ENG-GLOBALLY-04-2017 (CSA)		1.50	
ENG-GLOBALLY-07-2017 (CSA)		1.50	
ENG-GLOBALLY-08-2016/2017 (RIA)		2.50	
Overall indicative budget	11.50	30.50	

Calls Desafio Societal 6

- FAST TRACK TO INNOVATION PILOT
- SME INSTRUMENT
- OTHER ACTIONS :
- PRIZES (European Social Innovation Competition; Horizon Prize for SI in Europe)
- II PUBLIC PROCUREMENT
- III GRANT TO IDENTIFIED BENEFICIARY
- IV EXPERTS

Specific challenge: SMEs, including social enterprises and cultural actors, can build their growth on business model innovation, taking into account new opportunities arising from servitisation, from individual empowerment, from a more collaborative economy, from opening up government data and services and from the pervasive use of new technologies. A change of paradigm from ownership to access, from individual consumption to shared functionalities can be applied in several sectors benefiting from digital technologies and ensuring more sustainable lifestyles to EU citizens particularly in cities. A similar paradigm shift is happening in the relationship between government, citizens and businesses, where societal actors take on a more proactive role in the design and delivery of public services. One of the main challenges is to attract business to use public platforms to create more value as current business models do not adequately exploit the benefits of participation and collaboration with government. New ways of creating, producing, consuming, using, educating, learning, caring, moving and living are emerging in European cities. New ways of exploiting tangible and intangible cultural heritage are made possible. New ways of creating innovative public services, using open data and open public services provide new business opportunities. SMEs developing and adapting new business models play a key role in these transformations. The specific challenge addressed by this topic is to enable SMEs in traditional and new sectors, collaborative economy and creative sectors, cultural heritage and the social economy as well as collaborative public service creation to innovate and grow across traditional boundaries, through new business models and organisational change.



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