

Oportunidades para a Energia no H2020 em 2020



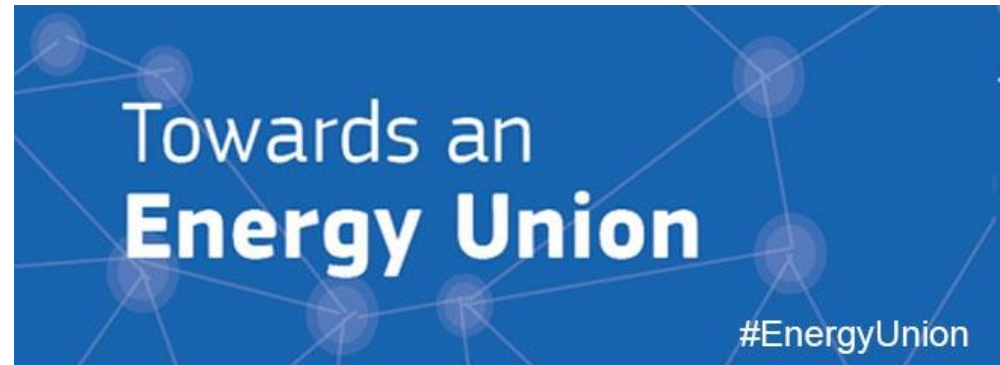
Desafio Societal 3 - *Energia Segura, Não Poluente e Eficiente*

Luís Maia (luis.maia@ani.pt)



Contexto Político Europeu

Contexto político europeu na área da energia



Contexto político europeu na área da energia



DS3 – Programa de Trabalhos 2018-2020

Funding & tender opportunities - Programa de Trabalhos Energia

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/programmes/h2020>

European Commission | Funding & tender opportunities
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Horizon 2020 Framework Programme (H2020)

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Reference Documents

This page includes reference documents of model grant agreements and guides for speci...

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- Legislation
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 - 2014-15
 - 2016-17
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Horizon 2020 Framework Programme (H2020)

Type your Keywords or CPV code... [Q]

Match whole words only
GRANTS TENDERS

Filter by submission status
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Filter by programme (only for grants)
H2020 [X]

Filter by programme part
Secure, clean and efficient energy

Filter by focus area
Select a Focus area...

Funding and tenders
Sort by: opening date [v] title [o]

28 results

Download all funding and tender opportunities to your calendar or subscribe to the RSS feed (unfiltered).

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Grant EIC Horizon Prize for 'Fuel from the Sun: Artificial Photosynthesis' Sunfuel-EICPrize-2021
Types of action: Inducement Prize | Programme: Horizon 2020
Open for submission Opening date: 12 December 2017

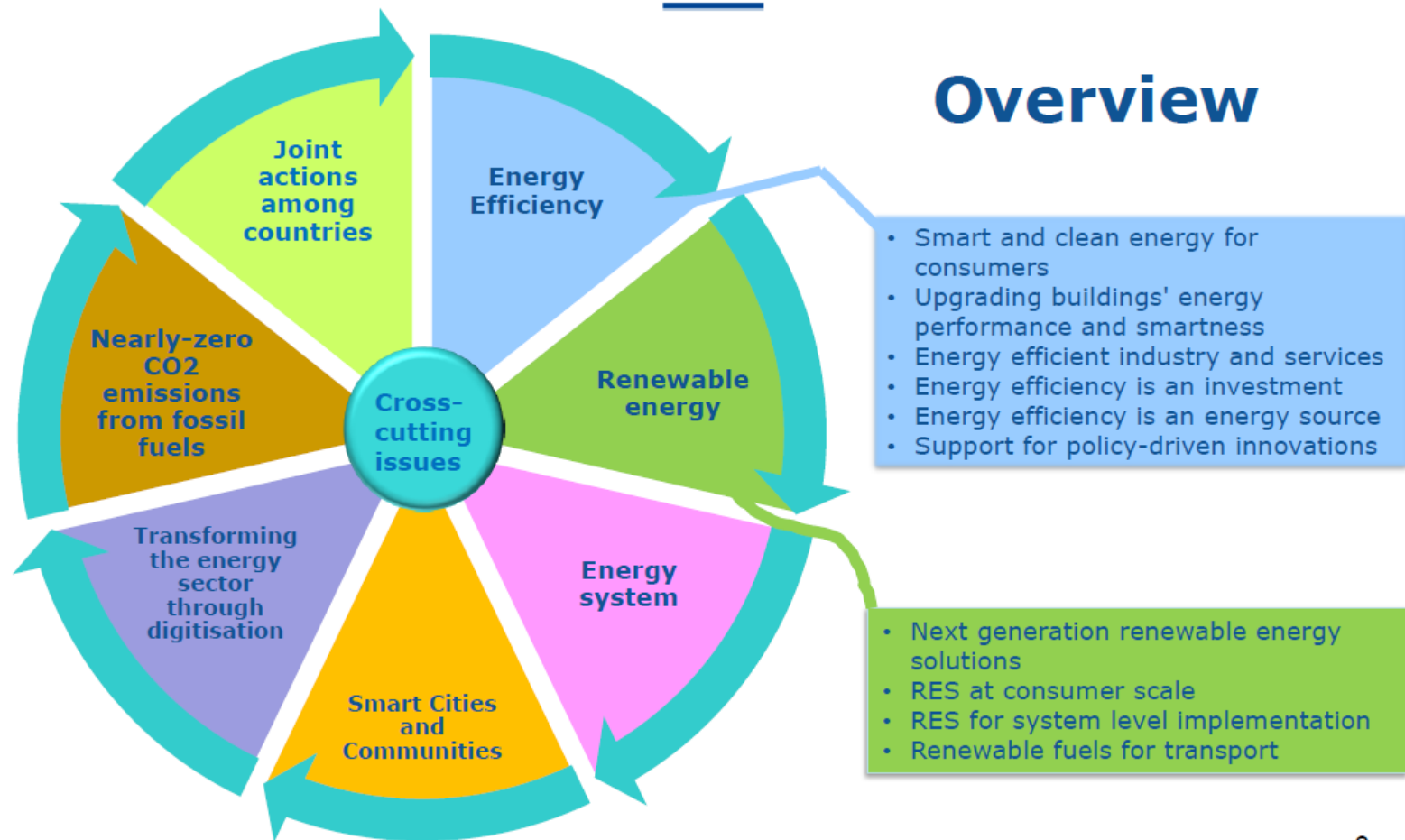
Grant Support for the opening of low-carbon energy research databases in Europe LC-SC3-CC-3-2019
Types of action: Coordination and support action | Programme: Horizon 2020
Open for submission Opening date: 14 November 2018

→ Work Programme SC3

→ SC3 → Secure, Clean and Efficient Energy



Programa de Trabalhos de Energia 2018-2020



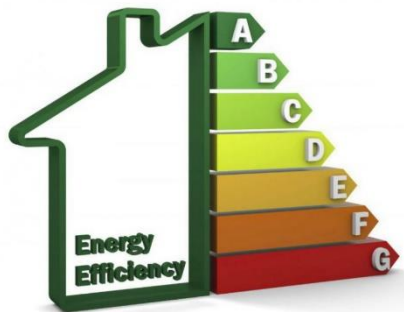
Programa de Trabalhos de Energia 2018-2020

- **Existe apenas uma Call** - BUILDING A LOW-CARBON, CLIMATE RESILIENT FUTURE: SECURE, CLEAN AND EFFICIENT ENERGY
- Esta Call está **dividida em 9 grandes áreas**:
 - Buildings in energy transition - **B4E**
 - Global leadership in renewables - **RES**
 - Smart and clean energy for consumers - **EC**
 - Smart citizen-centred energy system - **ES**
 - Smart Cities and Communities - **SCC**
 - Smart Airports - **SA**
 - Enabling near-zero CO2 emissions from fossil fuel power plants and carbon intensive industries - **NZE**
 - Joint Actions - **JA**
 - Cross-cutting issues - **CC**



Programa de Trabalhos de Energia em 2020

Buildings in energy transition (B4E)
14 tópicos (86,5 M€)



Global leadership in renewables (RES)
18 tópicos (248 M€)

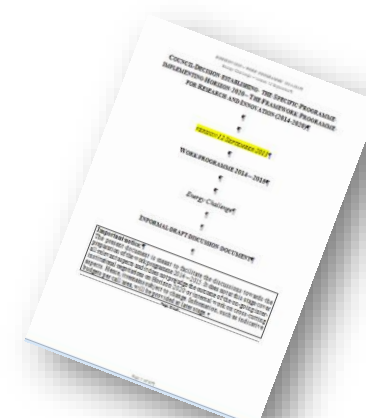


*Work Programme
2018-2020
– Secure, clean
and efficient
energy*

Smart and clean energy for consumers (EC)
5 tópicos (47 M€)



Smart citizen-centred energy system (ES)
6 tópicos (104 M€)



Programa de Trabalhos de Energia em 2020

Smart Cities and Communities (SCC)
2 tópicos (60 M€)



Smart Airports (SA)
1 tópico (12 M€)

Enabling near-zero CO2 emissions (...) (NZE)
2 tópicos (14 M€)



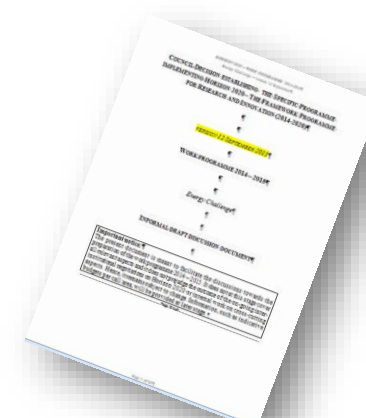
Joint Actions (JA)
1 tópicos (15 M€)



Cross-cutting issues (CC)
2 tópicos (15 M€)



*Work Programme
2018-2020
– Secure, clean
and efficient
energy*



Programa de Trabalhos de Energia em 2020

Call SECURE, CLEAN AND EFFICIENT ENERGY	2020 (M€)
Buildings in energy transition (B4E)	86,50
Global leadership in renewables (RES)	248,00
Smart and clean energy for consumers (EC)	47,00
Smart citizen-centred energy system (ES)	104,00
Smart Cities and Communities (SCC)	60,00
Smart Airports (SA)	12,00
Enabling near-zero CO2 emissions(...)(NZE)	14,00
Joint Actions (JA)	15,00
Cross-cutting issues (CC)	15,00
TOTAL	601,50



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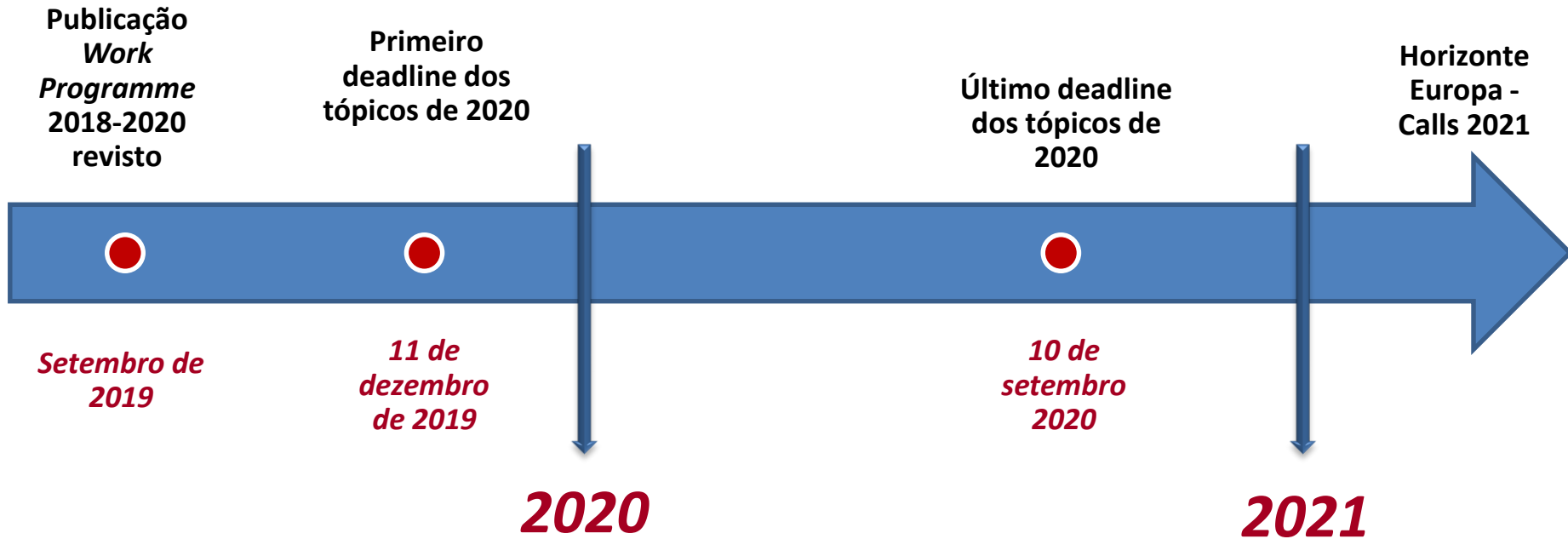


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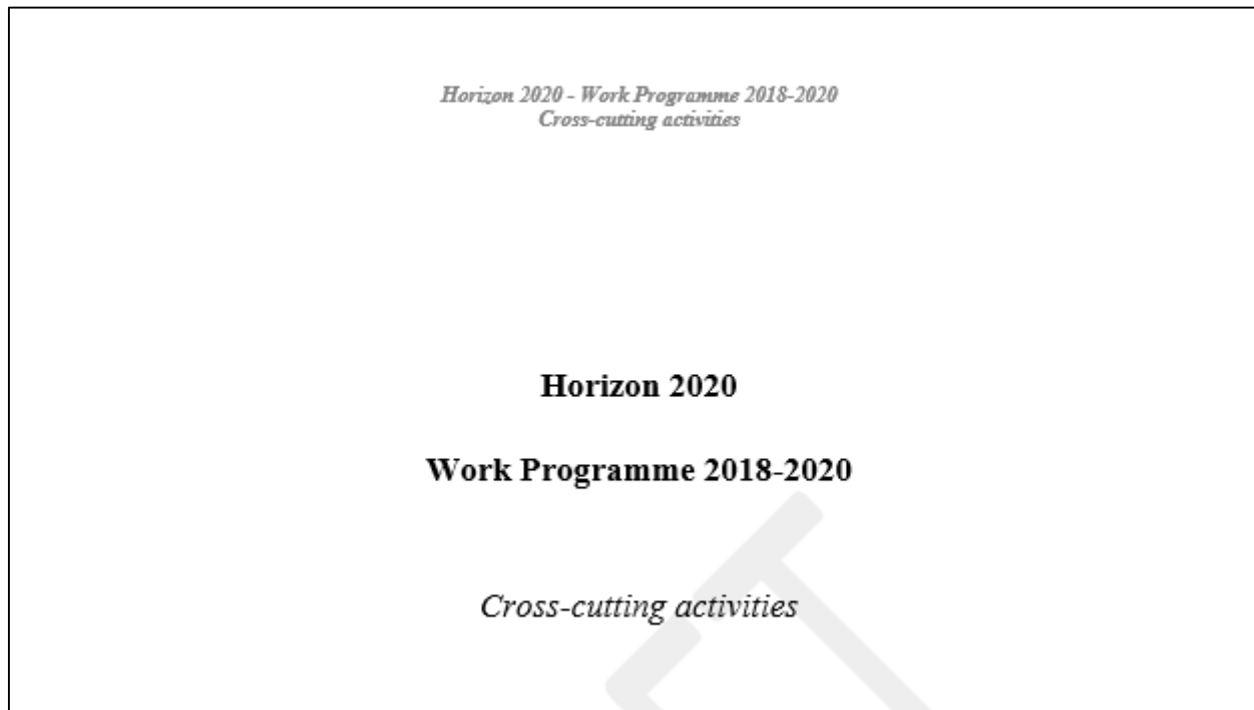
Calendário para 2020



Call Next-Generation Batteries

Call Next-Generation Batteries

- Novo Programa de Trabalho de *Cross-cutting activities*, criado em 2019, dedicado à **Call Next-Generation Batteries** através da agregação de tópicos dos programas de **NMBP, Energia e Transportes**



Call Next-Generation Batteries

- A criação desta Call vem no seguimento da estratégia delineada pela iniciativa [European Battery Alliance](#)
- O seu principal objetivo é procurar **reverter o relativo atraso Europeu nesta área** quando comparado com outras regiões do mundo, nomeadamente a Ásia
- **8 tópicos** a financiamento em 2020:
 - 2 financiados pelo **DS3** - Energia
 - 2 financiados pelo **DS4** – Transportes
 - 4 financiado pela área de **Future and Emerging Technologies**



Call Next-Generation Batteries

Call - Building a Low-Carbon, Climate Resilient Future: Next-Generation Batterie		Action	EU contribution	Budget
LC-BAT-8-2020	Next-generation batteries for stationary energy storage	RIA	6-8 M€	20 M€
LC-BAT-9-2020	Hybridisation of battery systems for stationary energy storage	RIA	3-4 M€	10 M€
LC-BAT-10-2020	Next generation and realisation of battery packs for BEV and PHEV	IA	8-10 M€	40 M€
LC-BAT-11-2020	Reducing the cost of large batteries for waterborne transport	RIA	8-12 M€	20 M€

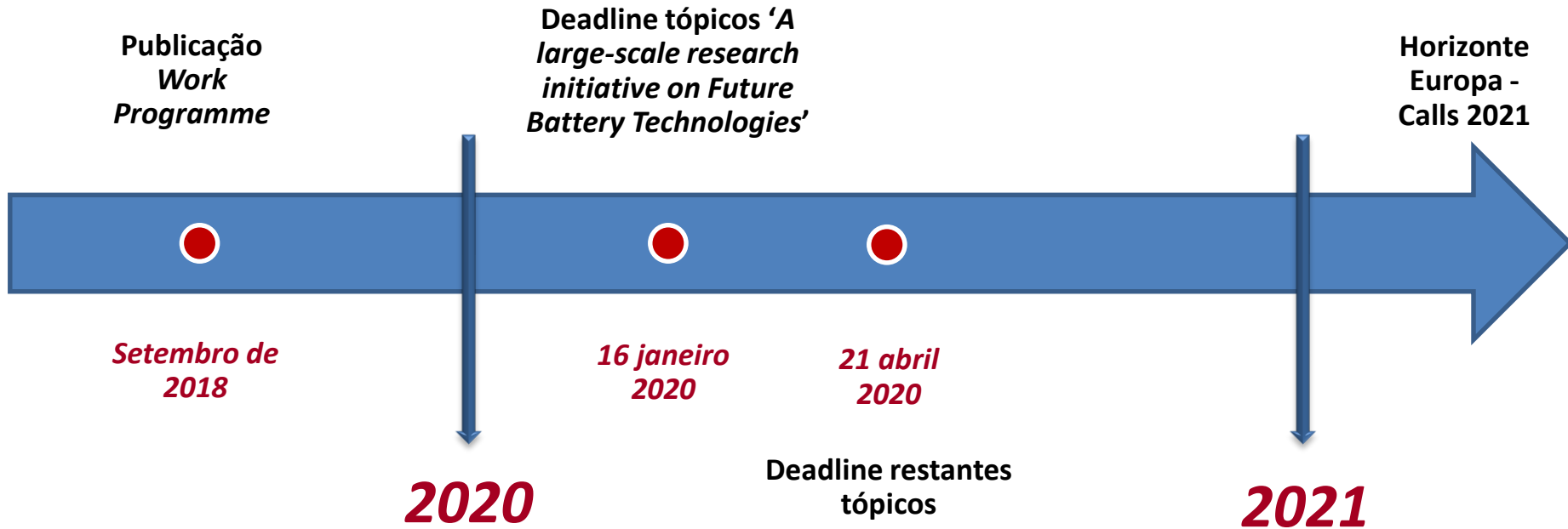


Call Next-Generation Batteries

Call - Building a Low-Carbon, Climate Resilient Future: Next-Generation Batterie <i>A large-scale research initiative on Future Battery Technologies</i>		Action	EU contribution	Budget
LC- BAT-12-2020	Novel methodologies for autonomous discovery of advanced battery chemistries	RIA	20 M€	20 M€
LC- BAT-13-2020	Sensing functionalities for smart battery cell chemistries	RIA	2-4 M€	10 M€
LC- BAT-14-2020	Self-healing functionalities for long lasting battery cell chemistries	RIA	2-4 M€	10 M€
LC- BAT-15-2020	Coordinate and support the large scale research initiative on Future Battery Technologies	CSA	2 M€	2 M€



Calendário para 2020



FCH-JU

Fuel Cells and Hydrogen Joint Undertaking (FCH-JU)



FUEL CELLS AND HYDROGEN
JOINT UNDERTAKING

- O financiamento para a área do Hidrogénio no H2020 está concentrado na **Joining Undertaking para Hidrogénio e Pilhas de Combustível (FCH-JU)**
- Esta JU é uma parceria público privada (PPP) entre a Comissão Europeia e as iniciativas **Hydrogen Europe** e **Hydrogen Europe Research**
- O Financiamento H2020 é proveniente do Desafio Societal 3



Fuel Cells and Hydrogen Joint Undertaking (FCH-JU)

MEMBERS

The three members of the Fuel Cells and Hydrogen Joint Undertaking are

- the European Commission



- **HYDROGEN EUROPE** representing the fuel cell and hydrogen industries

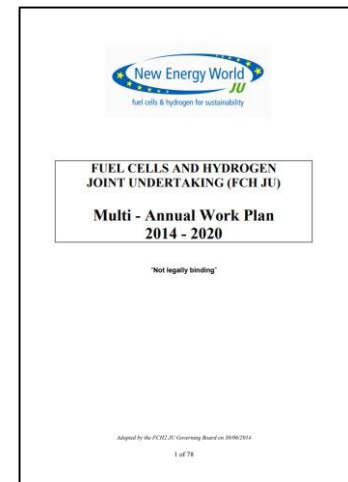
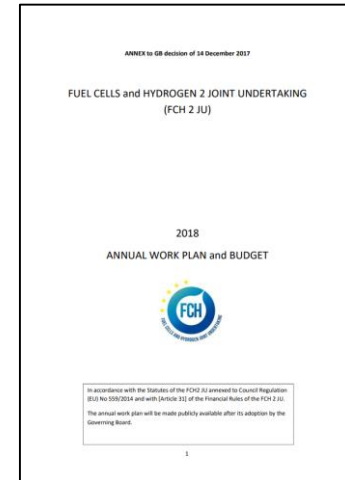


- **Hydrogen Europe Research** representing the research community



Fuel Cells and Hydrogen Joint Undertaking (FCH-JU)

- A FCH-JU publica anualmente um **Annual Work Plan (AWP)** onde é descrita a Call de cada ano – publicação em janeiro e **deadline em abril**
- Existe também um documento estratégico chamado **Multi - Annual Work Plan (MAWP)** que permite ter uma perspetiva de longo prazo do tipo de tópicos que poderão vir a ser financiados no futuro

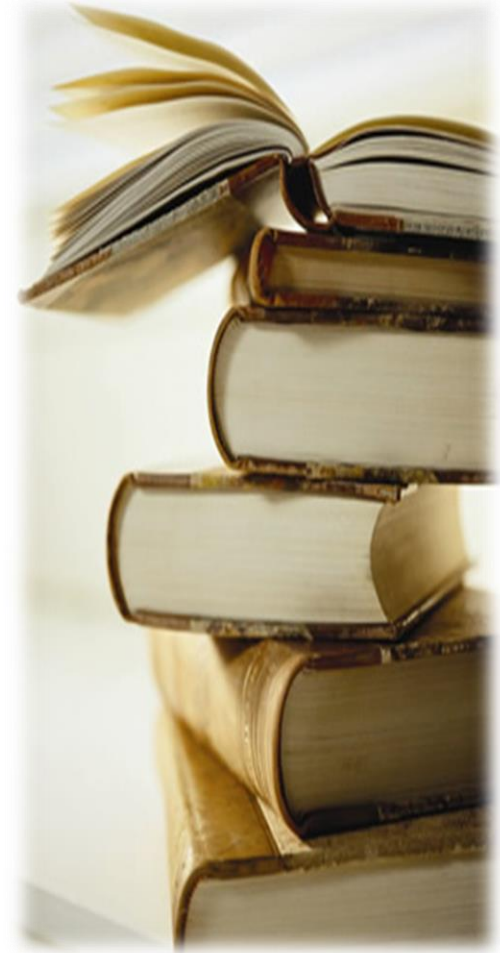


Informação adicional

Antes de começar – Documentos chave

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/how-to-participate/reference-documents>

- **“Desafio Societal Energia” - Programa de Trabalhos** – enquadramento, tópicos e orçamento
- **Anexos gerais aos programas de trabalho** – lista de países, elegibilidade e condições, critérios de avaliação, procedimento e classificação
- **Work Programmes e Calls da FCH-JU**
- **Formulários de Submissão e Templates** – formulários essenciais e guias para escrever e submeter a proposta
- **Guia de Submissão e processo de avaliação**



Como aumentar as suas probabilidades de sucesso?

- **Fale com os NCPs temáticos** e consulte toda a informação no Participant Portal e GPPQ
- **Participe em eventos nacionais/internacionais** (por ex: Eventos GPPQ; Infodays Horizonte 2020 e da FCH-JU, etc.)
- **Pesquise quem são os atores chaves** e quem tem estado envolvido em projetos anteriores (por ex: cordis database, catálogos de projetos, partner search tools, etc.)
- **Associe-se às Iniciativas Europeias Relevantes** ([ETIP SNET](#), [ETIP on Batteries](#), Hydrogen Europe, etc.)



Contactos

DS3 - Energia Segura, Não Poluente e Eficiente

Energia | Transportes
Clean Sky | FCH-JU
SESAR | Shift2Rail



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Questões?