



Fundação para a Ciência e a Tecnologia

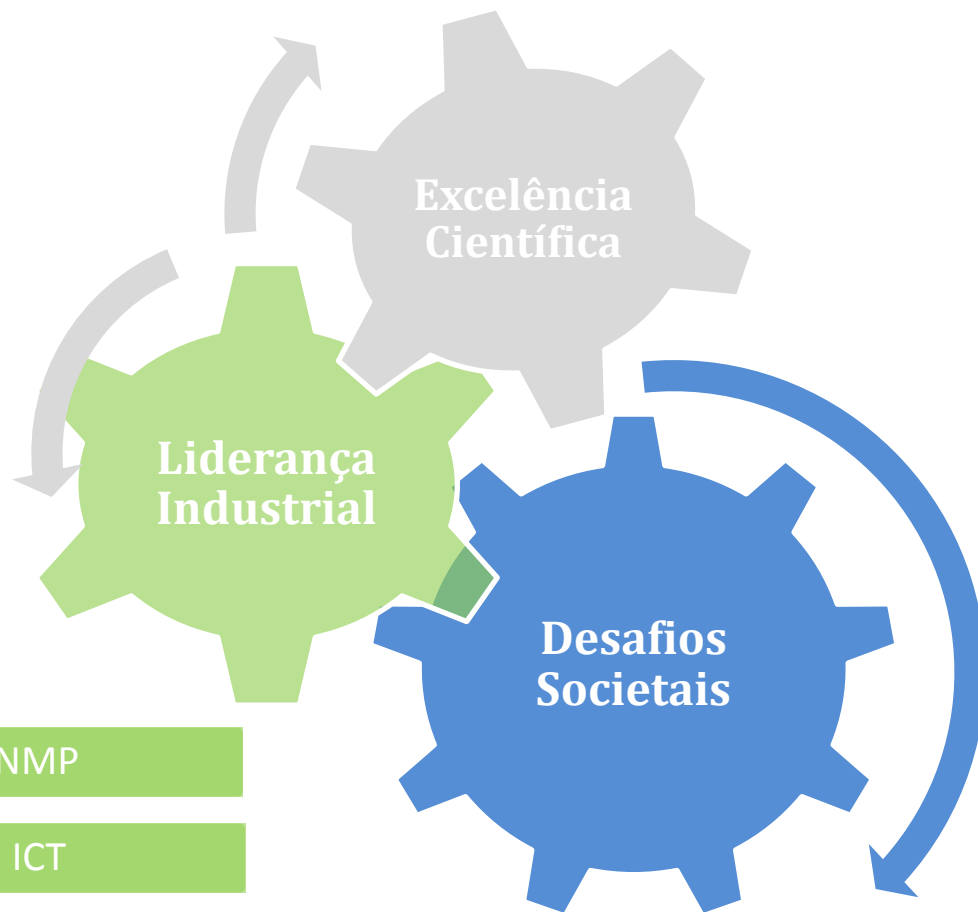
MINISTÉRIO DA EDUCAÇÃO E CIÊNCIA

Oportunidades de financiamento nas áreas de energia e transportes nos concursos 2015 do H2020

Eunice Ribeiro (eunice.ribeiro@fct.pt)

6 de novembro de 2014

Oportunidades no Desafio Societal 3 e no Desafio Societal 4



Saúde

Bioeconomia

ENERGIA

TRANSPORTES

Ação climática

Sociedades inclusivas

Sociedades seguras

DS 3 – Secure, clean and efficient energy



Programa Especifico do **Desafio Societal Energia** no Horizonte 2020

OBJECTIVO: *Evoluir para um sistema energético seguro, sustentável e competitivo, face a recursos cada vez mais escassos, a necessidades energéticas crescentes a às alterações climáticas.*

- **Redução do consumo de energia** e da pegada de carbono mediante uma utilização inteligente e sustentável
- Aprovisionamento de **eletricidade hipocarbónica** e a baixo custo
- **Combustíveis alternativos** e fontes de energia móveis
- Uma **rede europeia** de eletricidade única e inteligente
- Novos conhecimentos e tecnologias
- Processo decisório sólido e envolvimento do público
- Aceitação pelo mercado das inovações e capacitação dos mercados e dos consumidores



Contexto Político – Estratégias e Iniciativas Europeias de apoio ao desafio Energia no Horizonte 2020



- *Climate and Energy Package*
- *Strategic Energy Technology Plan (SET-Plan) | Energy technologies and Innovation Communication*
- *Energy Roadmap*
- *European Innovation Partnership (EIP) - Smart Cities and Communities → forte influência na definição de prioridades de I&I no horizonte 2020*

*SC 3 –
Secure,
clean and
Efficiency
Energy*

Implementação

Horizonte 2020 – Programa de Trabalhos Energia 2015

ENERGY EFFICIENCY – 16 TOPICS
Call: **H2020-EE-2015 - 98,15 M€**



SMART CITIES AND COMMUNITIES – 2 TOPICS
Call: **H2020-SCC-2015 – 107,18 M€**



LOW CARBON ENERGY – 15 TOPICS
Call: **H2020-EE-2015 - 382,67 M€**

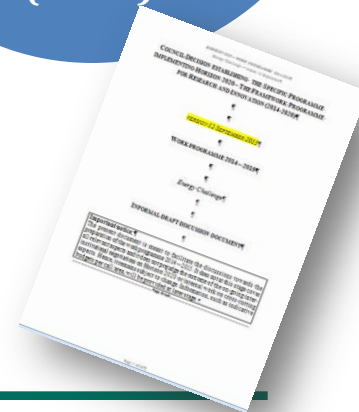


SMES & FAST TRACK INNOVATION – 2 TÓPICOS
Call: **H2020-SIE-2015 - 50,96 M€**



**Work Programme
2014-2015
– Secure, clean
and Efficiency
Energy**

**638,96 M€
(2015)**



Call Energy Efficiency | *deadline: 04/02/2015 /04/06/2015*



A – BUILDINGS AND CONSUMERS - reduzir o consumo de energia nos edifícios através de: aumentar taxa, qualidade e eficácia da renovação dos edifícios , comportamento dos consumidores (gestão consumo, smart metering) – **7 tópicos**



B - HEATING AND COOLING - Sistemas de aquecimento e arrefecimento renováveis, com soluções integradas (ao nível da conceção, tecnologia, construção e mudança comportamental) – **2 tópicos**



C – INDUSTRY AND PRODUCTS - Tecnologias de eficiência energética em termos de processos e da industria transformadora - **4 tópicos**



D – FINANCE FOR SUSTAINABLE ENERGY - Criação de instrumentos financeiros e parcerias com a banca para apoio de serviços/projetos inovadores de eficiência energética – **3 tópicos**



Energy Efficiency - Buildings & Consumers

EE 2 – 2015: Building design for new highly energy performing buildings

- ✓ Reduce costs in **NEW** nearly zero-energy' buildings and plus energy' buildings

IA | Contr. CE: 3-5 M€/projeto | TRL 5-7

EE 5 – 2015: Increasing energy performance of existing buildings through process and organisation innovations and creating a market for deep renovation

- ✓ Deep renovation of **existing buildings** (savings at least 25 GWh/year per million EUR of EU support)

CSA | Contr. CE: 1.5-2M€/projeto

EE 6 – 2015: Demand response in blocks of buildings

- ✓ Intelligent energy management system: demand, storage, supply, self-production

IA | Contr. CE: 3-5M€/projeto | TRL 6-7



Energy Efficiency - Buildings & Consumers

EE 7 – Enhancing the capacity of public authorities to plan and implement sustainable energy policies and measures

- ✓ Empower public authorities – high energy saving

CSA | Contr. CE: 1,5-2M€/projeto

EE 9 - 2015: Empowering stakeholders to assist public authorities in the definition and implementation of sustainable energy policies and measures

- ✓ Utilities, industry, financing institutions, etc... influence hundreds!

CSA | Contr. CE: 1,5-2M€/projeto

EE 10 – 2015: Consumer engagement for sustainable energy

- ✓ Energy-efficient products and/or renewable energy products

CSA | Contr. CE: 1-1,5M€/projeto

EE 11 – 2015: New ICT-based solutions for EE

- !! Systemic energy consumption and production and emissions reduction between 15% and 30%

RIA | Contr. CE: 1,5-2M€/projeto



Energy Efficiency - Heating & Cooling

EE 13 – 2015: Technology for district heating and cooling

- ✓ Develop, demonstrate and deploy a new generation of highly efficient, intelligent district cooling and heating systems.
- !! Reduce the energy consumption of space and water heating by 30 to 50% compared to today's level

RIA | Contr. CE: 1,5-2M€/projeto |TRL 4-6

EE 14 – 2015: Removing market barriers to the uptake of efficient heating and cooling solutions

- ✓ Individual heating and cooling, inspection, energy supply systems, district heating/cooling industry, tools and methodologies
- !! Every million Euro of EU support should reduce at least 25 GWh/yr of fossil fuel for heating and cooling

CSA | Contr. CE: 1,5-2M€/projeto



Energy Efficiency - Industry & Products

EE 15 – 2015: Ensuring effective implementation of EU product efficiency legislation

!! Energy losses saving: 15 GWh/year/ EU million euro

CSA| Contr. CE: 1,5-2M€/projeto

EE 16 - 2015: Organisational innovation to increase energy efficiency in the industry

!! Savings: 25 GWh/year/EU million euro

CSA| Contr. CE: 1,5-2M€/projeto

EE 17 – 2015: Driving energy innovation through large buyer groups

✓ Higher-than-available performance levels of sustainable energy products (at least 25%!)

CSA| Contr. CE: 1,5-2M€/projeto

EE 18 - 2015: New technologies for utilization of heat recovery in large industrial systems, considering the whole energy cycle from heat production to transformation, delivery and end use

RIA| Contr. CE: 3-4M€/projeto |TRL4-7



Energy Efficiency - Finance for Sustainable energy

EE 19 – 2015: Improving the financeability and attractiveness of sustainable energy investments

CSA | Contr. CE: 1,5-2M€/projeto

EE 20 - 2015: Project development assistance for innovative, bankable and aggregated sustainable energy investment schemes and projects

CSA | Contr. CE: 0,5-2M€/projeto

EE 21 – 2015: Development and market roll-out of innovative energy services and financial schemes for sustainable energy

CSA | Contr. CE: 1-1,5M€/projeto

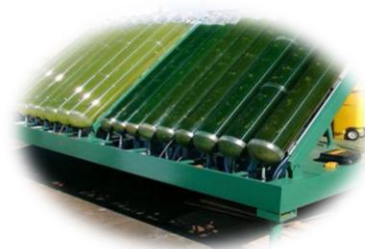
Call Competitive Low Carbon Energy | deadline: 05/05/2015)



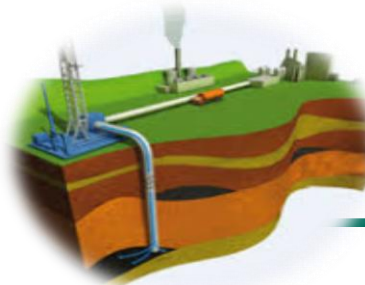
RENEWABLE ELECTRICITY AND HEATING/COOLING - redução dos custos da produção de energia renováveis, eficiência dos recursos e impacto ambiental, cadeia de oferta e processos de fabrico competitivos – **3 tópicos**



MODERNISING THE SINGLE EUROPEAN ELECTRICITY GRID & STORAGE - Rede elétrica europeia inteligente - **4 tópicos**



SUSTAINABLE BIOFUELS AND ALTERNATIVE FUELS - Desenvolvimento de biocombustíveis avançados, e combustíveis alternativos – **3 tópicos**



ENABLING THE SUSTAINABLE USE OF FOSSIL - Descarbonização do sector energético – **3 tópicos**

Low Carbon Energy - Renewable electricity and heating/cooling

LCE 2 – 2015: Developing the next generation technologies of renewable electricity and heating/cooling

LCE 3 – 2015: Demonstration of renewable electricity and heating/cooling

- *Specific Challenges: Photovoltaics, CSP, Wind Energy, Ocean Energy, Heating and Cooling, Geothermal*

IA | Contr. CE: 5-20 M€/projeto | TRL 6-7

LCE 4 - 2015: Market uptake of existing and emerging renewable electricity, heating and cooling technologies

CSA Contr. CE: 1-2 M€/projeto



Low Carbon Energy – Electricity Grids

LCE 5 – 2015: Innovation and technologies for the development of meshed off-shore grids

IA | Contr. CE: 30-40 M€/projeto | TRL 6-7

LCE 6 - 2015: Transmission grid and wholesale market

IA /RIA | Contr. CE: 12-17 M€/projeto

LCE 23 – 2015: Supporting the community in deploying a common framework for measuring the energy and environmental efficiency of the ICT-sector

Low Carbon Energy – Storage

LCE 9 – 2015: Large Scale Energy Storage

- *integrating storage in grid management*

IA | Contr. CE: 20-25 M€/projeto | TRL 6-7



Low Carbon Energy – Biofuels and alternative fuels

LCE 11 – 2015: Developing next generation technologies for biofuels and sustainable alternative fuels

LCE 12 –2015: Demonstrating advanced biofuel technologies

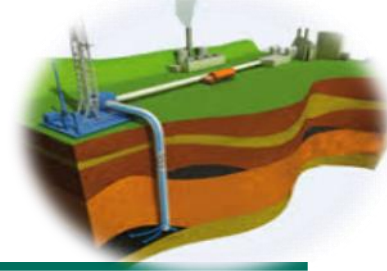
- **Scope:** *Proving that advanced biofuels and bioenergy carriers technologies, are technically viable, environmentally and socially sustainable, and potentially cost-competitive at commercial scale; Developing logistic systems for a sound, safe and sustainable feedstock supply.*
- **Impact:** *testing advanced fuel technologies at large industrial scale to obtain data and experience require for a first-of-a-kind, commercial scale industrial demo projet*

IA | Contr. CE: 5-20 M€/projeto | TRL 6-7

LCE 14 –2015: Market uptake of existing and emerging sustainable bioenergy

- **Scope:** *Encouraging the EU farmers and foresters to produce also energy and energy intermediaries; Setting up or strengthening sustainable local bioenergy supply chains ; Development of methodologies for the traceability of biomass feedstocks.*

CSA | Contr. CE: 1-2M€/projeto



Low Carbon Energy - Sustainable Use of Fossil Fuels

LCE 15 – 2015: Enabling decarbonisation of the fossil fuel-based power sector and energy intensive industry through CCS

RIA | Contr. CE: 4-9 M€/projeto

LCE 17 – 2015: Highly flexible and efficient fossil fuel power plants

CSA | Contr. CE: 0,1-0,5 M€/projeto

LCE21 – 2015: Modelling and analysing the energy system, its transformation and impacts

RIA | Contr. CE: 2-4 M€/projeto

Call Smart Cities and Communities (call deadline: 05/05/2015)

- ✓ Acelerar a implantação de tecnologias inovadoras, soluções organizacionais e económicas para aumentar significativamente os recursos e a eficiência energética, melhorar a sustentabilidade dos transportes urbanos e reduzir drasticamente as emissões de gases de efeito estufa em áreas urbanas.



Foco / atividades principais:

- ✓ Investigação e desenvolvimento de soluções tecnológicas avançadas
 - ✓ Validação de novos casos de negócios e modelos de financiamento, standardização, escala e replicabilidade das soluções, a aceitação dos utilizadores e compromisso
 - ✓ Intensificação através de parceiras estabelecidas na EIP Smart Cities: *EIP Smart Cities* - <http://ec.europa.eu/eip/smartcities>
-

Call Smart Cities and Communities

SCC 1 – 2015: Smart Cities and Communities solutions integrating energy, transport, ICT sectors through lighthouse (large scale demonstration - first of the kind)

▪ *Scope (...) creating partnerships **between industries, academics and cities**, empower citizens and ensure the replicability of the solutions. Therefore each project should: (...) include **industry, city planning authorities** which should also reflect the view of the consumer organisations, research community, **local Small and Medium Size Companies (SMEs)**.*

IA | Contr. CE: 18-25M€/projeto

SCC 3 – 2015 Development of system standards for smart cities and communities solutions

▪ *Scope (...) through standardisation the solutions identified by smart cities and communities can envisage costs reductions. (...) industries cities and communities (...) in cooperation with the European Standardisation Organisations (...) and Standard Developing Organisations (SDOs).*

CSA | Contr. CE: 0,5 - 1 M€/projeto

***DS 4 – Smart, Green and Integrated
Transports***



Programa Especifico do **Desafio Societal Transportes** no Horizonte 2020

OBJECTIVO: *Sistema europeu de transportes eficiente em termos de utilização de recursos, respeitador do ambiente, seguro e sem discontinuidades para benefício dos cidadãos, da economia e da sociedade.*

SUSTAINABLE

- **Transportes eficientes** em termos de recursos e respeitadores do ambiente
- Melhor **mobilidade**, menos congestionamento e maior segurança intrínseca e extrín



SEEMLESS

- Liderança mundial para a **indústria** europeia de transportes

COMPETITIVE

- Investigação **comportamental e socioeconómica** e actividades prospectivas para a definição de

políticas

RESPONSIVE

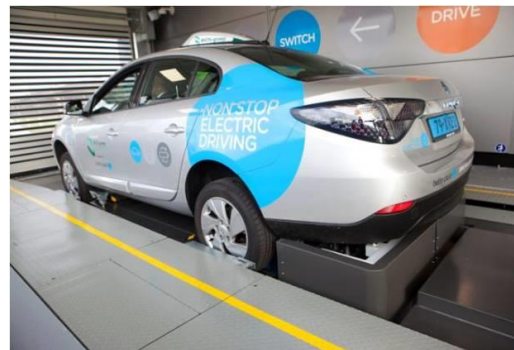


Estrutura do Programa de Trabalhos Transportes 2015

MOBILITY FOR GROWTH – 13 Tópicos
Call: H2020-MG-2015 - 184 M€



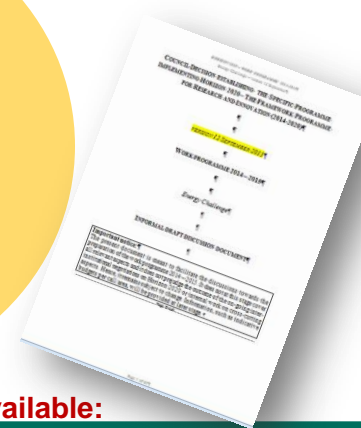
GREEN CARS – 2 Tópicos
Call: H2020-GC-2015 – 30M€



**SMALL BUSINESS & FAST TRACK
INNOVATION – 1 Tópico**
Call: H2020-IT-2015 - 38 M€



**Work Programme
2014-2015
– Smart, Green
and Integrated
Transports**



Transport Work Programme available:

http://ec.europa.eu/research/participants/data/ref/h2020/wp/2014_2015/main/h2020-wp1415-transport_en.pdf

Estrutura do Programa de Trabalhos Transportes 2015

Modos específicos de transporte:

- Ferroviário, marítimo e rodoviário
- Call "Green Vehicles" H2020-GV-2015

Integração de transportes

- Mobilidade Urbana, Logística, Sistemas inteligentes de Transportes e Infraestrutura

Áreas Transversais

- Questões socioeconómicas e comportamentais e definição de políticas

Call Mobility for Growth | deadline: 23/04/2015 e 15/10/2015



AVIATION - Ações para melhorar as competências e conhecimento no sector da aviação - **4 tópicos**



RAIL - Progresso nos serviços, custos, interoperabilidade, capacidade, redução de ruído e competitividade. - > **NO TOPICS FOR 2015**



ROAD - sistemas de combustão interna, apoio à política da qualidade do ar, segurança no transporte rodoviário, produção de tecnologia, desenvolvimento de novos conceitos para veículos rodoviários e para transporte urbano – **1 tópico**



WATERBORNE - transporte marítimo mais moderno, seguro e eficiente em recursos : utilização de fontes de energia, minimização dos impactos ambientais – **1 tópico**

Call Mobility for Growth | deadline: 23/04/2015 e 15/10/2015



URBAN MOBILITY - Inovação em tornar os recursos eficientes e aumentar a competitividade na mobilidade urbana e no transporte – **2 tópicos**

Projeto
Larga escala
(12-18M€)



LOGISTICS - Aumentar a eficiência e a sustentabilidade na cadeia de procura no setor logístico - **1 tópico**



INTELLIGENT TRANSPORT SYSTEMS - aumentar a segurança, redução do congestionamento; tornar o transporte mais sustentável – **NO TOPICS FOR 2015**



INFRASTRUCTURES : tornar a infraestrutura mais resiliente, de acordo com os níveis de mobilidade e necessidades das pessoas e negócios – **2 tópicos**



Waterborne

MG.4.3-2015. System modelling and life-cycle cost and performance optimisation for waterborne assets

- **Scope:** *New design and mathematical modelling tools and paradigms; A comprehensive and detailed approach to system integration and optimisation for vessels; A large scale virtual demonstrator for smart, adaptive and multi-material complex ships and structures.*
- **Impact:** *cost reductions in design, production and lifetime maritime asset management; shorter time for assessment and integration of sub-systems on board vessels and a better integration of complex systems*

RIA | Contr. CE: 5-8 M€/project



Urban Mobility

MG.5.4-2015. Strengthening the knowledge and capacities of local authorities

- **Scope:** *Promoting take up of the innovative concept of Sustainable Urban Mobility Plans (SUMPs) Or Enhancing the capacities of local authorities and other stakeholders to successfully plan and implement innovative sustainable mobility measures, technologies and tools, on the basis of reliable data and analysis.*
- **Impact:** *generate a high leverage factor, especially in regions and cities where take up is so far low and the impacts from transport are severe*

RIA | Contr. CE: 2-4M€/project



Urban Mobility

MG.5.5-2015. Demonstrating and testing innovative solutions for cleaner and better urban transport and mobility

- **Scope:** city-led consortia, composed of four to five cities. They should cover an appropriate sub-set of the eight 'CIVITAS measure categories': collective passenger transport; demand management strategies; mobility management and travel awareness; safety and security; urban freight logistics; information systems and services; and clean fuels and low emission vehicles; car-independent lifestyles (RIA)
- Or** Communication and dissemination strategy to maximise impact and ensure the continuity of the 'CIVITAS Secretariat' as well as links with the CiVi-Net networks (CSA)
- **Impact:** produce added-value inputs to the development of European knowledge base on the effectiveness and impacts of innovative mobility solutions.

RIA/CSA | Contr. CE:12-18M€/project

Logistics

MG.6.3-2015. Common communication and navigation platforms for pan-European logistics applications

- ***Scope:*** solutions to enable actors to take fast and well-informed decisions inside and cross-companies. This implies that information with the right quality, reliability and content is made available to concerned actors and shared between them.
- ***Impact:*** Cloud-based data and services infrastructure, underpinned by common information models, will give all logistic stakeholders opportunities to collaborate on both an operational and strategic level.

RIA | Contr. CE:16-18M€/project

Call Green Vehicles



✓ investigação, desenvolvimento tecnológico, inovação e demonstração como forma de apoiar melhorias na eficiência energética dos veículos de transporte rodoviário e à utilização de novas fontes de energia não convencionais para o transporte rodoviário, tais como eletricidade, CNG e LNG, combustíveis renováveis , etc

Foco / atividades principais:

✓ incluem tecnologias aplicadas aos motores, nova concepção de veículos, redução de peso, melhoria na aerodinâmica e resistência ao rolamento.

GV.6-2015. Powertrain control for heavy-duty vehicles with optimised emissions

✓ Implementação da PPP Green Vehicles

GV.8-2015. Electric vehicles' enhanced performance and integration into the transport system and the grid

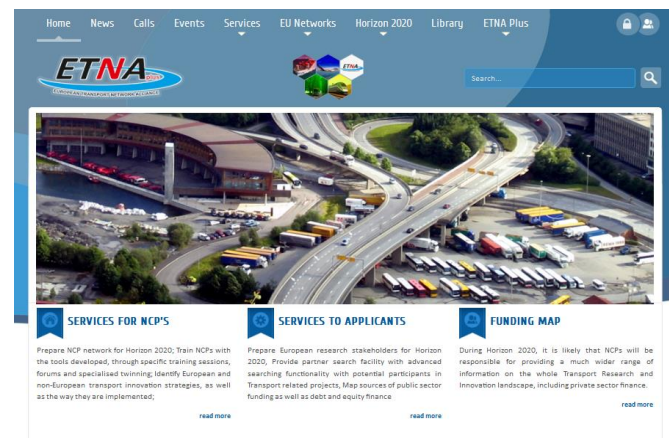
Datas de encerramento - tópicos 2015

MG.1.8(RIA part), MG.1.9, MG.1.10 MG.9.1, MG.9.5	Single stage 23/04/2015	
MG.3.6(CSA part) MG.5.5(CSA part) MG.8.3, MG.8.4(CSA part)		Single stage 15/10/2015
MG.1.2 MG.3.6(RIA part) MG.4.3 MG.5.4, MG.5.5(IA part) MG.6.3 MG.8.4(RIA or IA part)	First stage 23/04/2015	Second stage 15/10/2015
GV.6, GV.8	Single stage 15/10/2015	

ETNA + European Transport Network Alliance

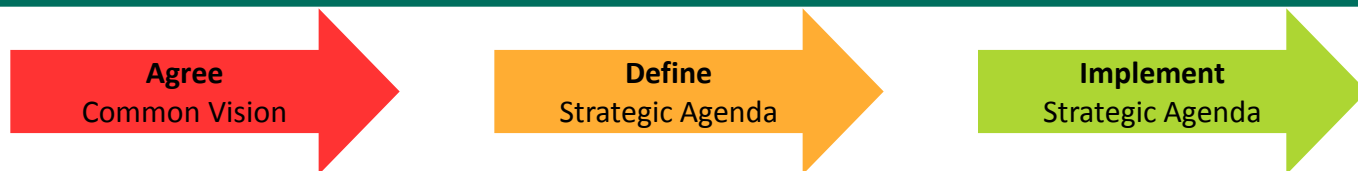
What are we doing?

- ✓ SINGLE ENTRY POINT WEB-BASED TOOL TO EUROPEAN TRANSPORT R&I INITIATIVES AND SOURCES OF PUBLIC AND PRIVATE SECTOR FUNDING
- ✓ BROKERAGE EVENTS AND PARTNER SEARCH ACTIVITIES TO FIND SUITABLE PARTNERS TO APPLY TO HORIZON 2020 CALLS FOR PROPOSALS
- ✓ FACTSHEET ON HORIZON 2020 PROGRAMME AVAILABLE ON THE WEBSITE
- ✓ E-TRAININGS/WEBINARS
- ✓ ETNA_{PLUS} ACADEMY: PILOT TRAINING FOR EU12 POTENTIAL COORDINATORS



www.transport-ncps.net

Plataformas Tecnológicas Europeias



As Plataformas Tecnológicas Europeias são grupos de stakeholders, lideradas pela indústria para definir as agendas estratégicas de investigação e planos de ação em diferentes áreas tecnológicas

Bio-based economy	Energy	Environment	ICT	Production and processes	Transport
EATIP	Biofuels	WssTP	ARTEMIS	ECTP	ACARE
ETPGAH	EU PV TP		euRobotics	ESTEP	ERRAC
Food for Life	TPWind		ETP4HPC	EuMaT	ERTRAC
Forest-based	RHC		ENIAC	FTC	Logistics
Plants	SmartGrids		EPoSS	SusChem	Waterborne
FABRE TP	SNETP		ISI	Nanomedicine	
TP Organics	ZEP		Net!Works	ETP-SMR	
			NEM	Manufuture	
			NESSI		
			Photonics 21		
Cross ETP Initiatives					
Nanofutures					
Industrial Safety					
PROSUMER.net					

- Desempenhar um papel ativo nas plataformas ou esperar pelo lançamento dos concursos.

http://cordis.europa.eu/technology-platforms/home_en.html

Onde nascem os tópicos de investigação?

European Technology Platforms (ETPs)

- TP Wind
- EPIA (PV)
- ESTELA (Solar CSP)
- TSO & DSOs Association (Smart Grids)
- EBTP (Biofuels)
- ZEP (CCS)
- Smart Cities (Smart Cities Stakeholders Platform)
- Construction (ECTP)
- ACARE
- WATERBORNE
- ERTRAC
- ERRAC
- ALICE

Horizon 2020 Advisory Groups

- SC3 e SC4 representation

EU Initiatives

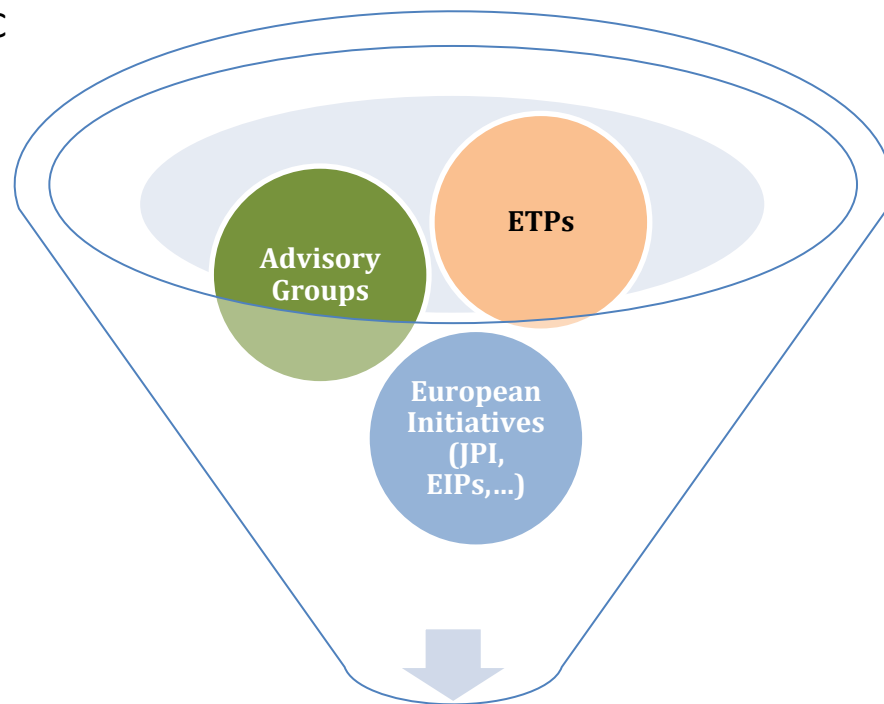
- European Innovation Partnerships (EIPs)
EIP Smart Cities and Communities
- Strategic Energy Technology Plan – SET-Plan

Policy DGs (Climate & Energy Package)

to support strategies and policies

FP financed projects

Gaps and urgent needs identified in past financed projects



Draft Work Programme

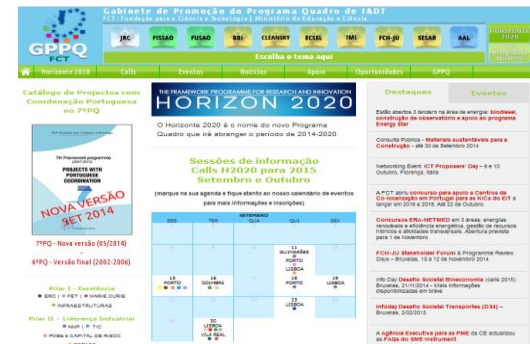
Potencie o networking e as relações com potenciais parceiros

- Quem são os atores chave?
 - Quem tem estado envolvido em **projetos anteriores/grupos de interesse**?
 - Como é que pode conhecer os atores chave?
 - Participando em **eventos nacionais/internacionais**
 - Inscrevendo-se na **base de dados de avaliadores** da UE (<http://ec.europa.eu/research/participants/portal/page/experts>)
 - Associar-se às **Plataformas Tecnológicas Europeias** (<http://cordis.europa.eu/technology-platforms/>) ou a outros grupos de interesse relevantes como as Parcerias Europeias de Inovação (EIP)
 - Posicione-se como um **parceiro chave**
-



Próximos Eventos

- **Sessões Horizonte 2020** promovidas pelo **GPPQ** – consulte o nosso calendário de eventos - www.gppq.fct.pt
- **Conferencia SET-Plan** – Roma, 10 e 11 de Dezembro de 2014 <http://www.setplan2014.it/>
- **Infoday Transportes** – Bruxelas, 2 de Fevereiro de 2015



Contactos

GPPQ

Transportes Gabinete de Promoção do Programa-Quadro

Energia

ENERGIA | TRANSPORTES (INCLUINDO AERONAUTICA)
FUSÃO
INICIATIVA CONJUNTA PARA HIDROGÉNIO E PILHAS DE COMBUSTÍVEL



Ana Raposo

🏠 GPPQ

Av. D. Carlos I, nº126, 4º andar
1249-074 LISBOA

✉ ana.raposo@fct.pt

☎ +351 21 391 76 38

Espaço | Transportes

Cleansky

SESAR



João Romana

🏠 GPPQ

Av. D. Carlos I, nº126, 4º andar
1249-074 LISBOA

✉ joao.romana@fct.pt

☎ +351 21 391 76 35

Espaço
Transportes
Cleansky



Marta Rocha Oliveira

🏠 GPPQ

Av. D. Carlos I, nº126, 4º andar
1249-074 LISBOA

✉ marta.oliveira@fct.pt

☎ +351 21 391 7 6 41

Av. D. Carlos I, nº126, 4º
1249-074 Lisboa - Portugal

www.gppq.fct.pt

ENERGIA | TRANSPORTES (INCLUINDO AERONAUTICA)
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INICIATIVA CONJUNTA PARA HIDROGÉNIO E PILHAS DE COMBUSTÍVEL



Ana Raposo

🏠 GPPQ

Av. D. Carlos I, nº126, 4º andar
1249-074 LISBOA

✉ ana.raposo@fct.pt

☎ +351 21 391 76 38

FET

ICT

Energia



Eunice Ribeiro

🏠 GPPQ

Av. D. Carlos I, nº126, 4º andar
1249-074 LISBOA

✉ eunice.ribeiro@fct.pt

☎ +351 21 391 76 41

Infraestruturas | Energia

Sociedades

S&S



Ricardo Migueis

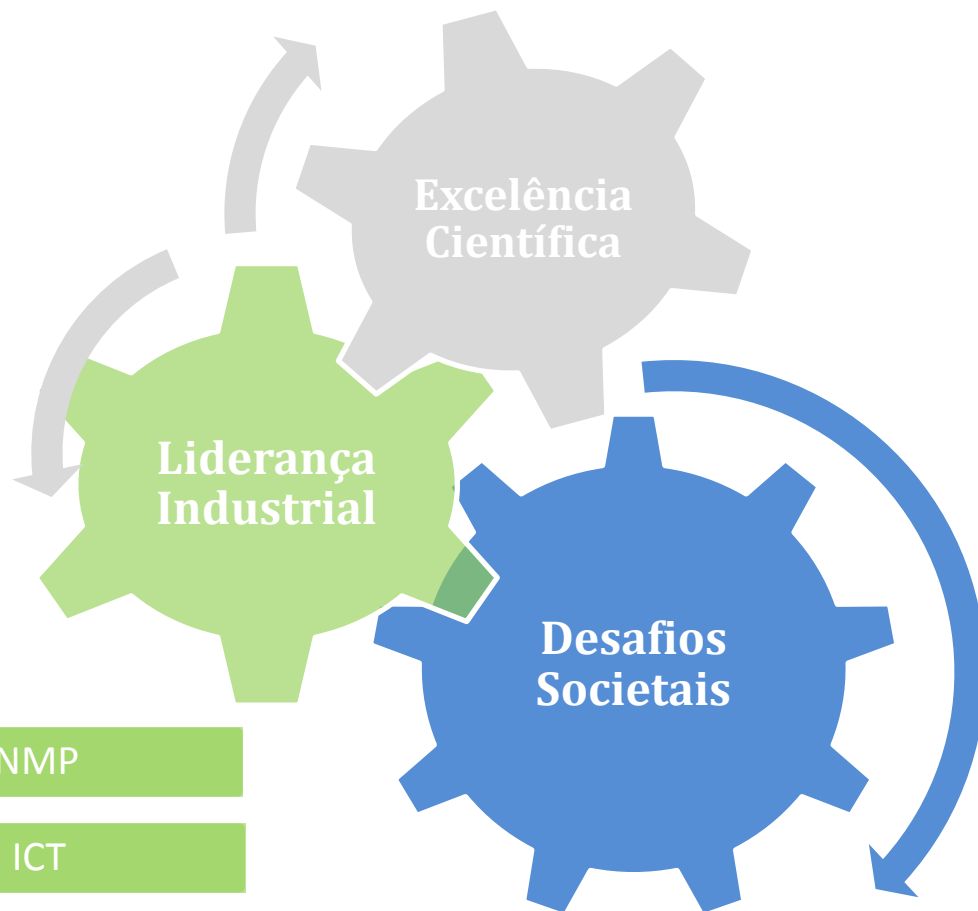
🏠 GPPQ

Av. D. Carlos I, nº126, 4º andar
1249-074 LISBOA

✉ ricardo.migueis@fct.pt

☎ +351 21 391 76 44

Oportunidades no Desafio Societal 5



Saúde

Bioeconomia

ENERGIA

TRANSPORTES

Ação climática

Sociedades inclusivas

Sociedades seguras

HORIZONTE 2020 – Desafio Societal 5

Ação climática, ambiente, eficiência de recursos e matérias-primas

OBJETIVO: “potenciar uma economia e uma sociedade eficiente em recursos e resiliente às alterações climáticas, propiciar a protecção e gestão sustentável dos recursos naturais e dos ecossistemas e o fornecimento sustentável e utilização das matérias primas, de forma a garantir as necessidades de uma população crescente dentro dos limites de sustentabilidade dos recursos naturais do planeta”

Main proposed activities

*Fighting and adapting to **Climate Change***

*Sustainably managing natural **resources and ecosystems***

*Sustainable supply of non-energy and non-agricultural **raw materials***

*Transition towards a green economy through **eco-innovation***

*Global environmental **observation and information systems***

Cultural Heritage

Budget: 3081 M€

Programa de Trabalhos do Desafio Societal 5 (2014-2015) Concurso 2015

... investir na inovação para uma economia verde

<http://www.gppq.fct.pt/h2020/docs/brochuras/env/Topicos-Investigacao-2015-DesafioSocietal5-H2020.pdf>

*Call
Waste*

potenciar uma sociedade sem resíduos → 4 tópicos 2014: 73M€ | 2015: 58 M€

*Call
Water*

inovação e tecnologia para o setor da água → 5 tópicos 2014: 67 M€ | 2015: 96 M€

*Call
SC5*

Garantir uma economia eficiente em recursos, de baixo carbono e com o fornecimento sustentável de matérias-primas → 16 tópicos 2014: 166 M€ | 2015: 185 M€

+

2 tópicos *Blue Growth*; 3 tópicos *Disaster Resilience*

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Programa de Trabalhos do Desafio Societal 5 (2014-2015)

Concurso 2015

<http://www.gppq.fct.pt/h2020/docs/brochuras/env/Topicos-Investigacao-2015-DesafioSocietal5-H2020.pdf>

Referência tópico	Título	Ano	Tipo de projeto	M€ por projeto	Concurso	Deadline
Call Waste: a resource to recycle, reuse and recover raw materials						
WASTE-4d-2015	WASTE-4d-2015: Raw materials partnerships	2015	CSA	1,5	Single-stage	21 Abr 2015
WASTE-6a-2015	WASTE-6a-2015: Eco-innovative solutions	2015	IA	8-10	Two-stage	1ª fase: 21 Abr 2015 2ª fase: 8 Set 2015
WASTE-6b-2015	WASTE-6b-2015: Eco-innovative strategies	2015	RIA	4-5	Two-stage	1ª fase: 21 Abr 2015 2ª fase: 8 Set 2015
WASTE-7-2015	WASTE-7-2015: Ensuring sustainable use of agricultural waste, co-products and by-products	2015	RIA	7	Two-stage	1ª fase: 21 Abr 2015 2ª fase: 8 Set 2015
Call Water innovation: boosting its value for Europe						
WATER-1b-2015	WATER-1b-2015: Demonstration/pilot activities	2015	IA	6-8	Two-stage	1ª fase: 21 Abr 2015 2ª fase: 8 Set 2015
WATER-2b-2015	WATER-2b-2015: Integrated approaches to food security, low-carbon energy, sustainable water management and climate change mitigation	2015	RIA	6-8	Two-stage	1ª fase: 21 Abr 2015 2ª fase: 8 Set 2015
WATER-4b-2015	WATER-4b-2015: Water management solutions for agricultural sector, thematic networks	2015	CSA	3	Single-stage	21 Abr 2015
WATER-5b-2015	WATER-5b-2015: A coordination platform	2015	CSA	3	Single-stage	21 Abr 2015
WATER-5c-2015	WATER-5c-2015: Development of water supply and sanitation technology, systems and tools, and/or methodologies	2015	RIA	2-3	Two-stage	1ª fase: 21 Abr 2015 2ª fase: 8 Set 2015
Call Growing a low carbon, resource efficient economy with a sustainable supply of raw materials						
Fighting and adapting to climate change						
SC5-4-2015	SC5-04-2015: Improving the air quality and reducing the carbon footprint of European cities	2015	RIA	6-8	Two-stage	1ª fase: 21 Abr 2015 2ª fase: 8 Set 2015
SC5-5b-2015	SC5-05b-2015: Earth-system modelling and climate services	2015	CSA	-	Single-stage	21 Abr 2015
Protecting the environment, sustainably managing natural resources, water, biodiversity and ecosystems						
SC5-7-2015	SC5-07-2015: More effective ecosystem restoration in the EU	2015	RIA	5-7	Two-stage	1ª fase: 21 Abr 2015 2ª fase: 8 Set 2015
SC5-10c-2015	SC5-10c-2015: An EU support mechanism for evidence-based policy on biodiversity & ecosystems services	2015	CSA	-	Single-stage	21 Abr 2015

Tópicos 2015 - datas de encerramento

Tópicos com uma única fase → 21 Abr 2015

Tópicos com 2 fases: 1ª fase do concurso com 2 fases → 21 Abr 2015

2ª fase do concurso com 2 fases → 8 Set 2015

Contactos

GPPQ Gabinete de Promoção do Programa-Quadro

Av. D. Carlos I, nº126, 4º
1249-074 Lisboa - Portugal

www.gppq.fct.pt

Fissão



Anabela Carvalho

🏠 GPPQ

Av. D. Carlos I, nº126, 4º andar
1249-074 LISBOA

✉ anabela.carvalho@fct.pt

☎ +351 21 391 76 41 | +351 234 378 122

Marie Curie Ação Climática RFCS



Juliana Monteiro

🏠 GPPQ

Av. D. Carlos I, nº126, 4º andar
1249-074 LISBOA

✉ juliana.monteiro@fct.pt

☎ +351 21 391 76 46

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