

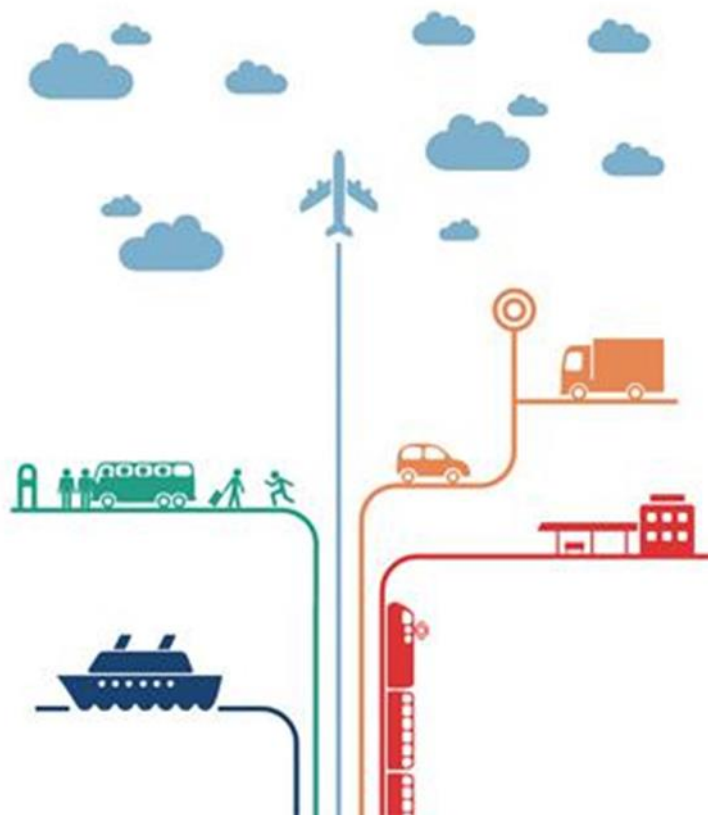
Oportunidades para Transportes no H2020



Desafio Societal 4 - *Transportes Inteligentes, Ecológicos e Integrados*

Luís Maia (luis.maia@gppq.pt)





Programa de Trabalhos 2016/2017

DS4 - Transportes Inteligentes, Ecológicos e Integrados

Participant Portal - Programa de Trabalhos Transportes

<http://ec.europa.eu/research/participants/portal/desktop/en/home.html>

RESEARCH & INNOVATION
Participant Portal

HOME FUNDING OPPORTUNITIES HOW TO PARTICIPATE EXPERTS SUPPORT Search PP LOGIN REGISTER

H2020 Online Manual
Reference Documents
Beneficiary registration
Financial Viability Self-Check
SME Participation

Reference Documents

This page includes all the H2020 & FP7 reference documents starting with legal documents and the Commission work programmes for research and innovation up to model grant agreements and guides for specific actions and horizontal issues. The documents are grouped by categories. It also includes reference documents of other EU programmes, as 3rd Health, Consumer, COSME and Research Fund for Coal and Steel programmes. To access a document:

- Click on a folder
- Click on ARROW to have more information about the document and its available translations

You can search a specific H2020 or FP7 document on the [Europa Search](#) service.

H2020 Other EU programmes FP7

- Legal basis
 - Framework programmes (EC-Euratom)
 - Rules for participation
 - Specific programme
 - European Institute of Innovation and Technology (EIT)
- Model grant agreement
 - General Grant Agreement
 - European Research Council (ERC)
 - Marie-Skłodowska-Curie (MSC)
 - SME Instrument
 - ERANET Cofund
 - Pre-Commercial Procurement (PCP)/Public Procurement of Innovative Solutions (PPI) Cofund
 - European Joint Programme Cofund
 - Framework Partnerships
 - Lump sum
- H2020 Grants Manual
 - Section on beneficiary registration, validation and financial viability check
 - Section on proposal submission and evaluation
 - Guidance on evaluation of some H2020 aspects
 - Section on grant agreement preparation
 - Annotated Model Grant Agreement
 - Horizontal issues

RESEARCH & INNOVATION
Participant Portal

HOME FUNDING OPPORTUNITIES HOW TO PARTICIPATE EXPERTS SUPPORT Search PP LOGIN REGISTER

EU Programmes 2014-2020

Search topics

Updates

- H2020**
 - Research Fund for Coal & Steel
- 3rd Health Programme
- Promotion of Agricultural Products
- Consumer Programme
- COSME
- Justice Programme

FP7 & CIP Programmes 2007-2013

Other Funding Opportunities

Calls for Proposals

Horizon 2020
Advanced search for topics
Calls for tenders on TED

- Food security, sustainable agriculture and forestry, marine and maritime and inland water research and the bioeconomy
- Secure, clean and efficient energy
- Smart, green and integrated transport
- Climate action, environment, resource efficiency and raw materials
- Europe in a changing world - Inclusive, innovative and reflective societies
- Secure societies - protecting freedom and security of Europe and its citizens
- Spreading excellence and widening participation

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

Sort by Call title Call identifier Publication date Filter a call FILTER

Societal Challenges SESAR2020 IR-VLD Wave 1 H2020-SESAR-2015-2 Publication date: 22 October 2015	Societal Challenges Clean Sky 2 Call for Core partners Wave 3 H2020-CS2-CPW03-2015-02 Publication date: 22 October 2015	Industrial Leadership Applications in Satellite Navigation - Galileo - 2017 H2020-GALILEO-GSA-2017 Publication date: 14 October 2015
Societal Challenges 2016-2017 Mobility for Growth H2020-MG-2016-2017 Publication date: 14 October 2015	Societal Challenges 2016-2017 Green Vehicles H2020-GV-2016-2017 Publication date: 14 October 2015	Societal Challenges 2016-2017 Automated Road Transport H2020-ART-2016-2017 Publication date: 14 October 2015
Societal Challenges GREEN VEHICLES 2014-2015 H2020-GV-2014-2015 Publication date: 11 December 2013	Societal Challenges Clean Sky 2 Call for Core Partners Wave 1 H2020-CS2-CPW01-2014-01 Publication date: 09 July 2014	Societal Challenges Clean Sky 2 Call for Proposals 02 H2020-CS2-CPW02-2015-01 Publication date: 23 July 2015

→ Work Programme SC 4

→ SC4 → Smart, Green and integrated transport



Calendário do Programa Transportes 2017



Concursos do Programa de Trabalhos Transportes 2016-2017



Smart, green and integrated transport

Call	2016 (M€)	2017 (M€)
Mobility for Growth	210,10	226,70
Automated Road Transport	64,00	50,00
Green Vehicles	78,50	133,00
SME Instrument	57,57	61,23
Fast Track to Innovation	14,65	0
<i>Other actions (e.g. Blue Growth; Prizes; ELENA)</i>	<i>21.80</i>	<i>24.43</i>
TOTAL	446,62	495,36

Contexto Político – Estratégias e novidades de apoio ao desafio Transportes no Horizonte 2020



- *Em linha com a estratégia do **Livro Branco dos Transportes** (targets 2030 e 2050)*
- *Agendas estratégicas das **plataformas tecnológicas europeias***
- *Cooperação internacional (EUA, China, Brazil, África)*
- *Open research data pilot*

Estrutura do Programa de Trabalhos Transportes 2016-2017

- ***Calls for proposals***
 - **MG - Mobility for Growth** (Aviation, Waterborne, Safety, Urban Mobility, Logistics, ITS, Infrastructure, Socio-economics)
 - **ART - Automated Road Transport**
 - **GV - Green Vehicles**
- ***Contributions to other calls***
 - **SME instrument**
- ***Other actions***
 - Prizes
 - Tenders
 - Etc.



Programa de Trabalhos de Transportes 2016-2017

MOBILITY FOR GROWTH – 37 TÓPICOS



AUTOMATED ROAD TRANSPORT – 7 TÓPICOS

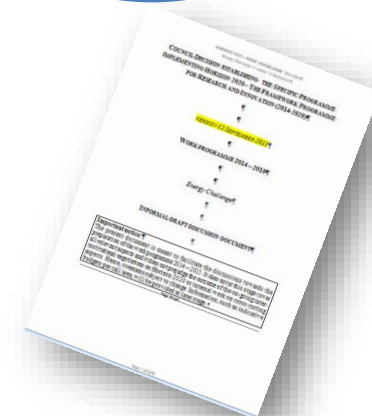


*Work Programme
2016-2017
– Smart, Green
and Integrated
Transports*

GREEN VEHICLES – 12 TÓPICOS



SME INSTRUMENT – 1 TÓPICO



Call MOBILITY FOR GROWTH - 50 M€ (2017)



1. AVIATION	TOPIC	Type of scheme	EU contribution	Budget
Deadline: 26/01/2017 (First stage) – 27/09/2017 (Second stage)				
MG-1.3-2017	Maintaining industrial leadership in aeronautics	RIA	5-9 M€	45 M€
MG-1-4-2016-2017	Breakthrough innovation	RIA	2-4 M€	15 M€
Deadline: 01/02/2017				
MG-1-2-2017	Reducing aviation noise	RIA	5-9 M€	20 M€
MG-1-5-2016-2017	Identification of gaps, barriers and needs in the aviation research	CSA	1-2 M€	7 M€

Call MOBILITY FOR GROWTH - 50 M€ (2017)



2. WATERBORNE	TOPIC Deadline: 26/01/2017 (First stage) – 27/09/2017 (Second stage)	Type of scheme	EU contribution	Budget
MG-2.1-2017	Innovations for energy efficiency and emission control in waterborne transport	IA	5-9 M€	40 M€
MG-2.4-2017	Complex and value-added specialised vessels	IA	8-12 M€	

3. SAFETY	TOPIC Deadline: 26/01/2017 (First stage) – 27/09/2017 (Second stage)	Type of scheme	EU contribution	Budget
MG-3.2-2017	Protection of all road users in crashes	RIA	4-9 M€	14 M€

Call MOBILITY FOR GROWTH - 50 M€ (2017)



4. URBAN MOBILITY	TOPIC Deadline: 26/01/2017 (First stage) – 27/09/2017 (Second stage)	Type of scheme	EU contribution	Budget
MG-4.1-2017	Increasing the take up and scale-up of innovative solutions to achieve sustainable mobility in urban areas	IA	2–5 M€	22 M€
MG-4.2-2017	Supporting 'smart electric mobility' in cities	IA	4-5 M€	
Deadline: 01/02/2017				
MG-4.3-2017	Innovative approaches for integrating urban nodes in the TEN-T core network corridors	CSA	1-2 M€	2 M€



Call MOBILITY FOR GROWTH - 50 M€ (2017)



5. LOGISTICS	TOPIC	Type of scheme	EU contribution	Budget
	Deadline: 26/01/2017 (First stage) – 27/09/2017 (Second stage)			
MG-5-2-2017	Innovative ICT solutions for future logistics operations	RIA	3-5 M€	12 M€
MG-5-4-2017	Potential of the Physical Internet	RIA	2-3 M€	
	Deadline: 01/02/2017			
MG-5-4-2017	Potential of the Physical Internet	CSA	0.5-1 M€	1 M€

Call MOBILITY FOR GROWTH - 50 M€ (2017)



7. INFRA-STRUCTURE	TOPIC Deadline: 26/01/2017 (First stage) – 27/09/2017 (Second stage)	Type of scheme	EU contribution	Budget
MG-7-1-2017	Resilience to extreme (natural and man-made) events	RIA	3-5 M€	37 M€
MG-7-2-2017	Optimisation of transport infrastructure including terminals	RIA	2-6 M€	
MG-7-3-2017	The Port of the future	RIA	3-5 M€	

Deadline: 01/02/2017

MG-7-3-2017	The Port of the future	CSA	< 1.2 M€	1.2 M€
-------------	------------------------	-----	----------	--------

Call MOBILITY FOR GROWTH - 50 M€ (2017)



8 – SOCIO-ECONOMIC ...	TOPIC Deadline: 01/02/2017	Type of scheme	EU contribution	Budget
MG-8-2-2017	Big data in Transport: Research opportunities, challenges and limitations	CSA	0.5-1.5 M€	2 M€
MG-8-4-2017	Improving accessibility, inclusive mobility and equity: new tools and business models for public transport in prioritised areas	RIA	1-3 M€	7.5 M€
MG-8-5-2017	Shifting paradigms: Exploring the dynamics of individual preferences, behaviours and lifestyles influencing travel and mobility choices	RIA	1-2 M€	
MG-8-7-2017	Future research needs and priorities in the area of transport	CSA	0.3-0.5 M€	0.5 M€

Call Automated Road Transport (ART) - 50 M€ (2017)



TOPIC
Deadline: 26/01/2017 (First stage) –
27/09/2017 (Second stage)

		Type of scheme	EU contribution	Budget
ART-01-2017	ICT infrastructure to enable the transition towards road transport automation	IA	5-15 M€	50 M€
ART-03-2017	Multi-Brand platooning in real traffic conditions	IA	15-20 M€	
ART-07-2017	Full-scale demonstration of urban road transport automation	IA	10-15 M€	

Call Green Vehicles - 133 M€ (2017)



	TOPIC Deadline: 01/02/2017	Type of scheme	EU contribution	Budget
GV-01-2017	Optimisation of heavy duty vehicles for alternative fuels use	IA	5-10 M€	133 M€ (...)
GV-04-2017	Next generation electric drivetrains for fully electric vehicles, focusing on high efficiency and low cost	RIA	5-10 M€	
GV-05-2017	Electric vehicle user-centric design for optimised energy efficiency	RIA	7-10 M€	
GV-06-2017	Physical integration of hybrid and electric vehicle batteries at pack level aiming at increased energy density and efficiency	IA	5-7 M€	
GV-07-2017	Multi-level modelling and testing of electric vehicles and their components	RIA	4-10 M€	

Call Green Vehicles - 133 M€ (2017)



	TOPIC Deadline: 01/02/2017	Type of scheme	EU contribution	Budget
GV-08-2017	Electrified urban commercial vehicles integration with fast charging infrastructure	IA	5-15 M€	(...) 133.00 M€
GV-09-2017	Aerodynamic and flexible trucks	IA	7-10 M€	
GV-10-2017	Demonstration (pilots) for integration of electrified L-category vehicles in the urban transport system	IA	7-10 M€	
GV-13-2017	Production of next generation battery cells in Europe for transport applications .	RIA	3-5 M€	

Call Deadlines 2017

<i>Calls DS4</i>	Single stage 01/02/2017	First stage 26/01/2017	Second stage 19/10/2017
-------------------------	--	---	--



“Go Proposals”

Call SME Instrument



TOPIC
Deadline: cut-offs a cada 3 meses

Type of scheme

Project Size

Budget

SMEInst-10-2016-2017

Small business innovation research for Transport and Smart Cities Mobility

Phase 1

50 k€

Phase 2

0.50 M€ - 2.50 M€

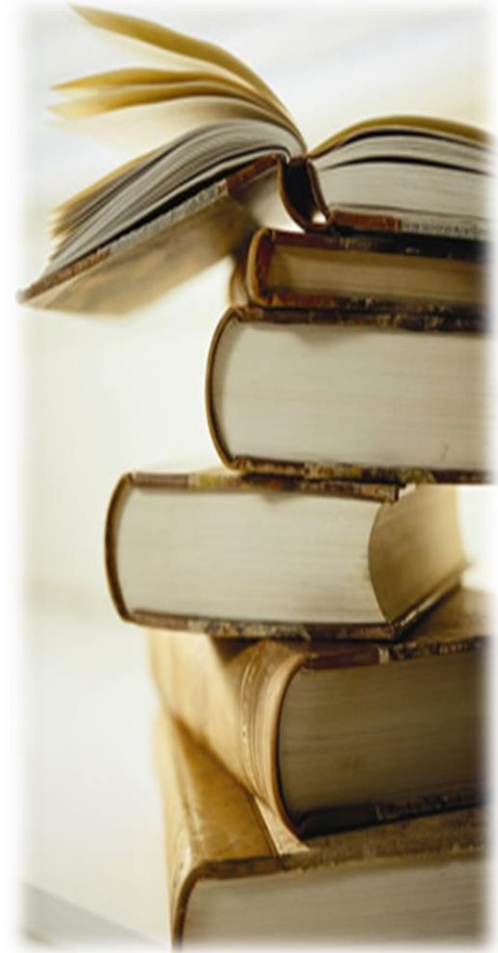
61.23 M€



Antes de começar – Documentos chave

<http://ec.europa.eu/research/participants/portal/>

- **“Desafio Societal Transportes” - 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.
- **Formulários de Submissão e Templates** – formulários essenciais e guias para escrever e submeter a proposta
- **Guia de Submissão e processo de avaliação**



Shift2Rail



- **Joint Technological Initiative (JTI) dedicada à ferrovia**
- **Todo o financiamento do H2020 dedicado à ferrovia está alocado ao Shift2Rail**
- **O programa de trabalhos de 2017 ainda não foi publicado - as calls de 2017 irão abrir no primeiro trimestre de 2017**

SESAR



- **JTI que tem como objetivo modernizar a gestão de tráfego aéreo (ATM - *Air Traffic Management*) na Europa**
- **A tarefa essencial da SJU é a execução do Plano Diretor Europeu de Gestão de Tráfego Aéreo (ATM *Master Plan*) para a implementação da nova geração de sistemas ATM**
- **O acompanhamento institucional do SESAR em Portugal compete à Autoridade Nacional de Aviação Civil (ANAC)**

Clean Sky



- JTI dedicada ao desenvolvimento de novas tecnologias aeronáuticas
- O Clean Sky tem previsto publicar a quarta e última *Call for Core Partners* (CPW04) até ao final do ano de 2016
- A quinta *Call For Proposals* (CFP05) será publicada no primeiro trimestre de 2017.

Potencie a sua rede de *networking*!

- Pesquise quem são os atores chaves e quem tem estado envolvido em projetos anteriores (por ex: cordis database, catálogos de projetos, partner search tools)?
- Participe em eventos nacionais /internacionais (por ex: Infodays Horizonte 2020 organizados pela Comissão Europeia
- Associe-se às Plataformas Tecnológicas Europeias ou a outros grupos de interesse relevantes como as Parcerias Europeias de Inovação (EIP)
- Fale com os NCPs temáticos
- Consulte toda a informação no *Participant Portal* e GPPQ



Contactos

DS4 - Transportes Inteligentes, Ecológicos e Integrados

Transportes
Clean Sky
SESAR



Luís Maia

✉ luis.maia@gppq.pt

☎ +351 93 040 03 80

QUESTÕES?