

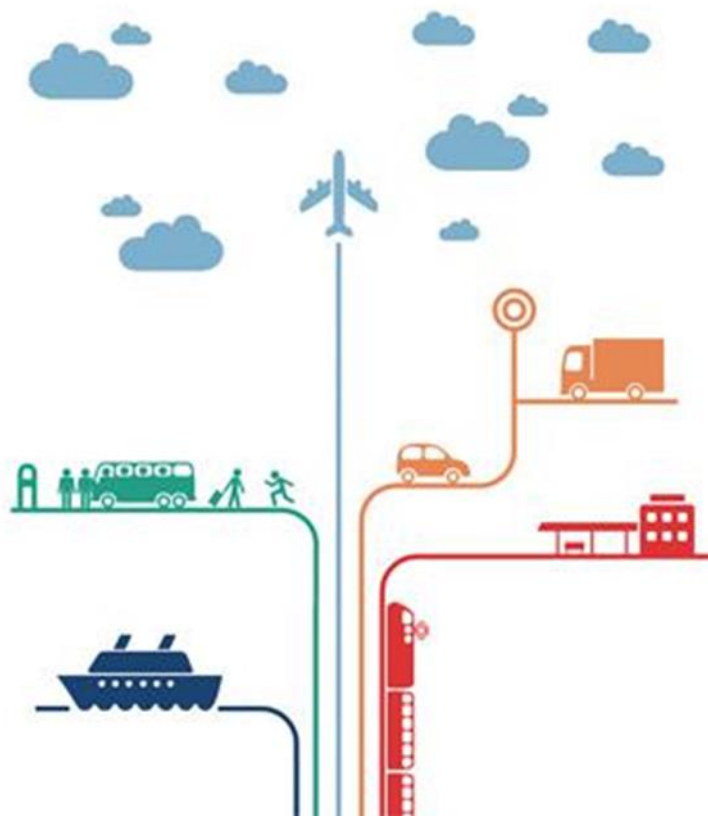
# Oportunidades para Transportes no H2020

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## 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

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

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- *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*

# 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

<b>Societal Challenges</b> SESAR2020 IR-VLD Wave 1 H2020-SESAR-2015-2 Publication date: 22 October 2015	<b>Societal Challenges</b> Clean Sky 2 Call for Core partners Wave 3 H2020-CS2-CPW03-2015-02 Publication date: 22 October 2015	<b>Industrial Leadership</b> Applications in Satellite Navigation - Galileo - 2017 H2020-GALILEO-GSA-2017 Publication date: 14 October 2015
<b>Societal Challenges</b> 2016-2017 Mobility for Growth H2020-MG-2016-2017 Publication date: 14 October 2015	<b>Societal Challenges</b> 2016-2017 Green Vehicles H2020-GV-2016-2017 Publication date: 14 October 2015	<b>Societal Challenges</b> 2016-2017 Automated Road Transport H2020-ART-2016-2017 Publication date: 14 October 2015
<b>Societal Challenges</b> GREEN VEHICLES 2014-2015 H2020-GV-2014-2015 Publication date: 11 December 2013	<b>Societal Challenges</b> Clean Sky 2 Call for Core Partners Wave 1 H2020-CS2-CPW01-2014-01 Publication date: 09 July 2014	<b>Societal Challenges</b> 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>
<b>TOTAL</b>	<b>446,62</b>	<b>495,36</b>

# Estrutura do Programa de Trabalhos Transportes 2016-2017

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- ***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.



# Tipos de ações no Programa de Trabalhos

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- **Coordination & Support Action (CSA)**
  - Taxa de financiamento: **100%**
  - Mínimo de **1 entidade**
- **Research & Innovation Action (RIA)**
  - Taxa de financiamento: **100%**
  - Mínimo de **3 entidades** de 3 estados membros ou países associados diferentes
- **Innovation Action (IA)**
  - Taxa de financiamento: **70%** (100% para entidades sem fins lucrativos)
  - Mínimo de **3 entidades** de 3 estados membros ou países associados diferentes
- **SME Instrument (SME instrument phase 1 | SME instrument phase 2)**
  - Taxa de financiamento: *Phase 1*: lump sum of **50K €** | *Phase 2*: **70%**
  - Mínimo de **1 PME**





# Programa de Trabalhos de Transportes 2016-2017

## MOBILITY FOR GROWTH – 37 TÓPICOS



## AUTOMATED ROAD TRANSPORT – 7 TÓPICOS

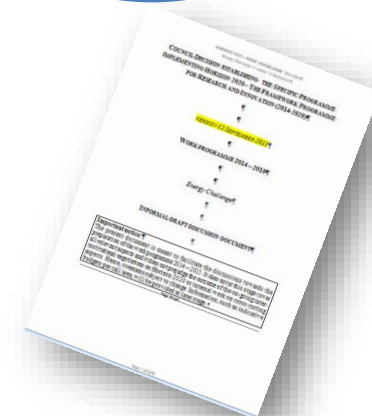


*Work Programme  
2016-2017  
– Smart, Green  
and Integrated  
Transports*

## GREEN VEHICLES – 12 TÓPICOS



## SME INSTRUMENT – 1 TÓPICO



# Call MOBILITY FOR GROWTH - 226,70 M€ (2017)



1. AVIATION	TOPIC	Type of scheme	EU contribution	Budget
	<b>Deadline: 26/01/2017 (First stage) – 19/10/2017 (Second stage)</b>			
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€
	<b>Deadline: 01/02/2017</b>			
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 - 226,70 M€ (2017)



2. WATERBORNE	TOPIC Deadline: 26/01/2017 (First stage) – 19/10/2017 (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) – 19/10/2017 (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 - 226,70 M€ (2017)



4. URBAN MOBILITY	<b>TOPIC</b> <b>Deadline: 26/01/2017 (First stage) – 19/10/2017 (Second stage)</b>	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€	
<b>Deadline: 01/02/2017</b>				
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 - 226,70 M€ (2017)



5. LOGISTICS		TOPIC	Type of scheme	EU contribution	Budget
		<b>Deadline: 26/01/2017 (First stage) – 19/10/2017 (Second stage)</b>			
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€	
		<b>Deadline: 01/02/2017</b>			
MG-5-4-2017	Potential of the Physical Internet		CSA	0.5-1 M€	1 M€

# Call MOBILITY FOR GROWTH - 226,70 M€ (2017)



7. INFRA-STRUCTURE	TOPIC <b>Deadline: 26/01/2017 (First stage) – 19/10/2017 (Second stage)</b>	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€
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# Call MOBILITY FOR GROWTH - 226,70 M€ (2017)



8 – SOCIO-ECONOMIC ...	TOPIC <b>Deadline: 01/02/2017</b>	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 <b>Deadline: 01/02/2017</b>	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)

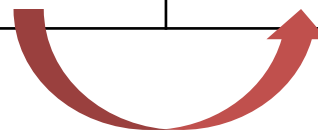


	TOPIC <b>Deadline: 01/02/2017</b>	Type of scheme	EU contribution	Budget
GV-08-2017	Electrified urban commercial vehicles integration with fast charging infrastructure	IA	5-15 M€	(...) <b>133.00 M€</b>
GV-09-2017	Aerodynamic and flexible trucks	IA	7-10 M€	
GV-10-2017	Demonstration (pilots) for integration 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

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<b><i>Calls DS4</i></b>	<b>Single stage</b> <b>01/02/2017</b>	<b>First stage</b> <b>26/01/2017</b>	<b>Second stage</b> <b>27/09/2017  </b> <b>19/10/2017</b>
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**“Go Proposals”**



# Call SME Instrument



TOPIC		Type of scheme	Project Size	Budget
<b>Deadline: cut-offs a cada 3 meses</b>				
SMEInst-10-2016-2017	Small business innovation research for Transport and Smart Cities Mobility	Phase 1	50 k€	61.23 M€
		Phase 2	0.50 M€ - 2.50 M€	

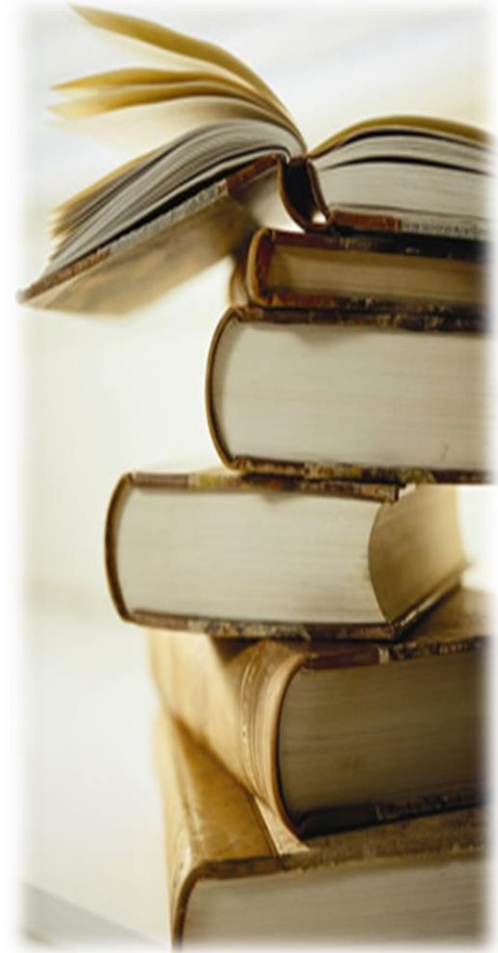


# Antes de começar – Documentos chave

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

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- **“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**



# Clean Sky

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- **Joint Technological Initiative (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.**

# 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)

# Shift2Rail

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- 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



# Potencie a sua rede de *networking*!

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- 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

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## DS4 - Transportes Inteligentes, Ecológicos e Integrados

Transportes  
Clean Sky  
SESAR



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**Obrigado!**