



#InvestEUresearch

# Horizon 2020 Work Programme for Research & Innovation 2018-2020

H2020 Transport info day

*07 October 2019*

#H2020Transport

Research and  
Innovation



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*H2020 Transport info day – 07 October 2019*

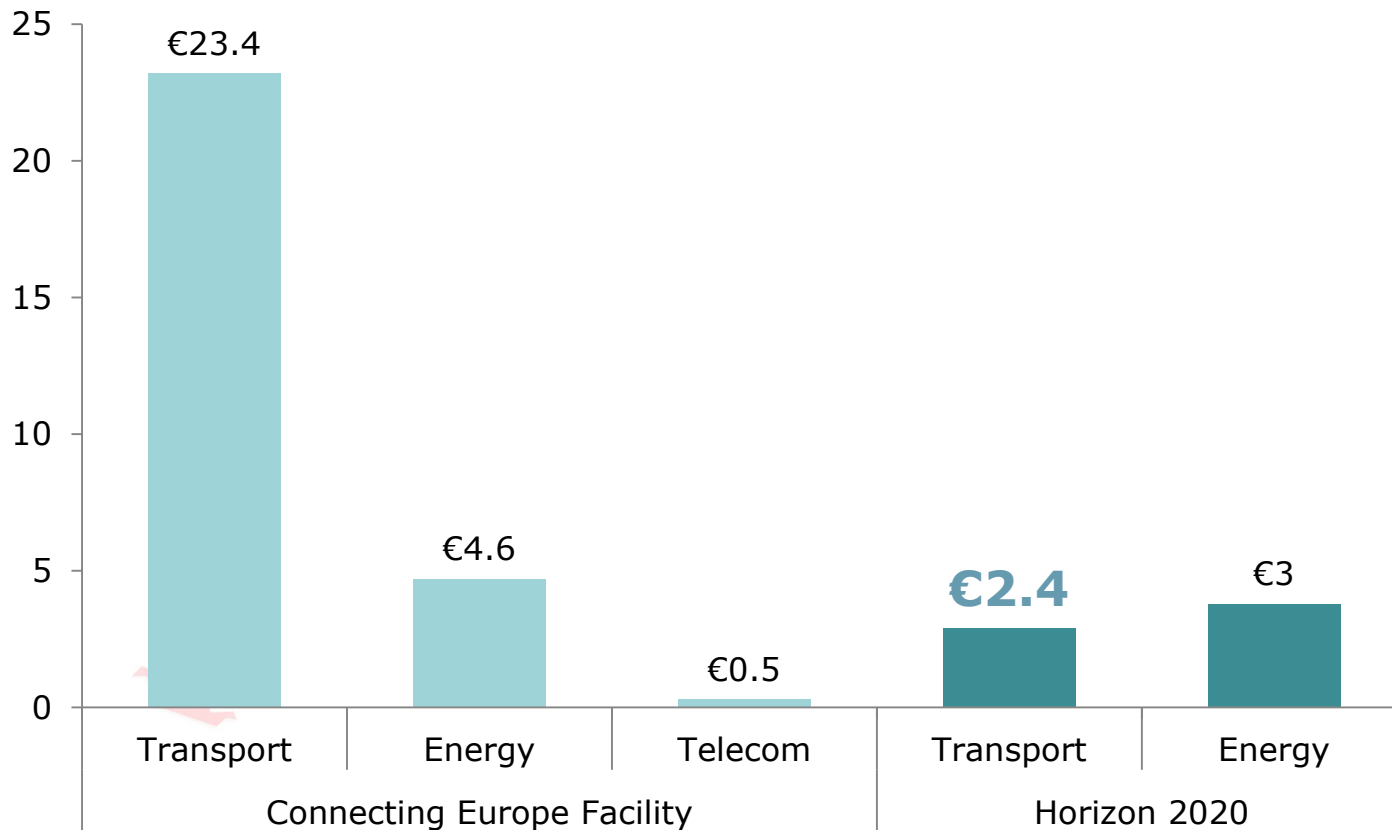
Welcome and introduction

Alan Haigh  
Head of Department H2020  
INEA

#H2020Transport



# INEA's indicative budget (Total: €33.9 billion)





# HORIZON 2020 **Transport**

## 2019 FUNDING OPPORTUNITIES

Mobility for Growth

*(two-stage topics)*

**€92 million**

Mobility for Growth

*(single-stage topics)*

**€99 million**

Green Vehicles

*(single-stage topics)*

**€55 million**

Automated  
Road Transport

*(single-stage topics)*

**€50 million**

Batteries

*(single-stage topics)*

**€60 million**

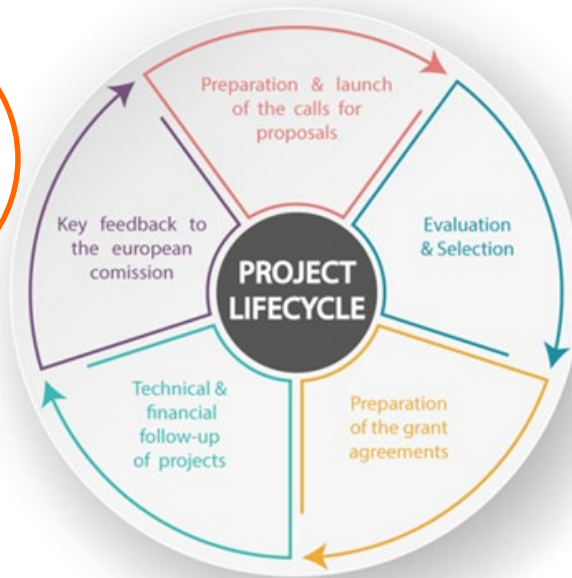
Innovation  
and Networks  
Executive Agency

- Total budget of nearly **€356 million**
- One call open since 3 September
- The rest open in December



European Commission

# INEA - Making implementation happen



Managing CEF and parts of H2020

€33.9 billion total Investment

CEF €28,5 billion  
H2020 €5.4 billion

682 INEA H2020 ongoing projects

Transport Energy ICT

322 ongoing H2020 Transport Grants

€2.4 billion delegated to INEA for H2020 Transport

DG RTD    DG MOVE    DG ENER    DG CNCT



# INEA's Programmes

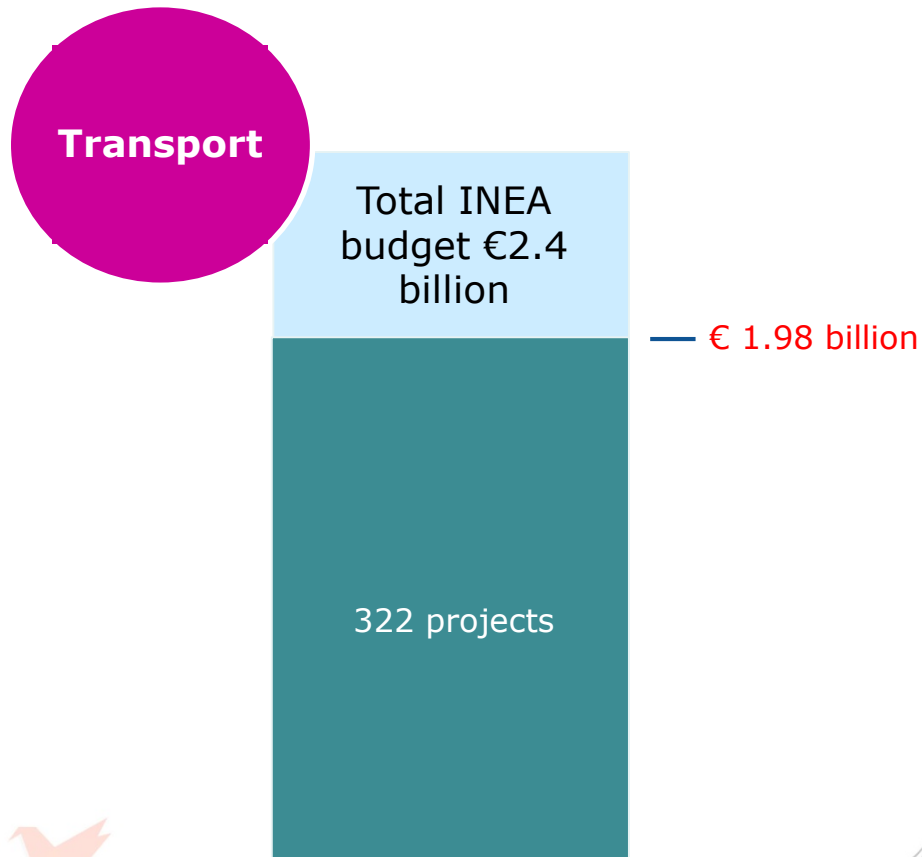
Horizon 2020



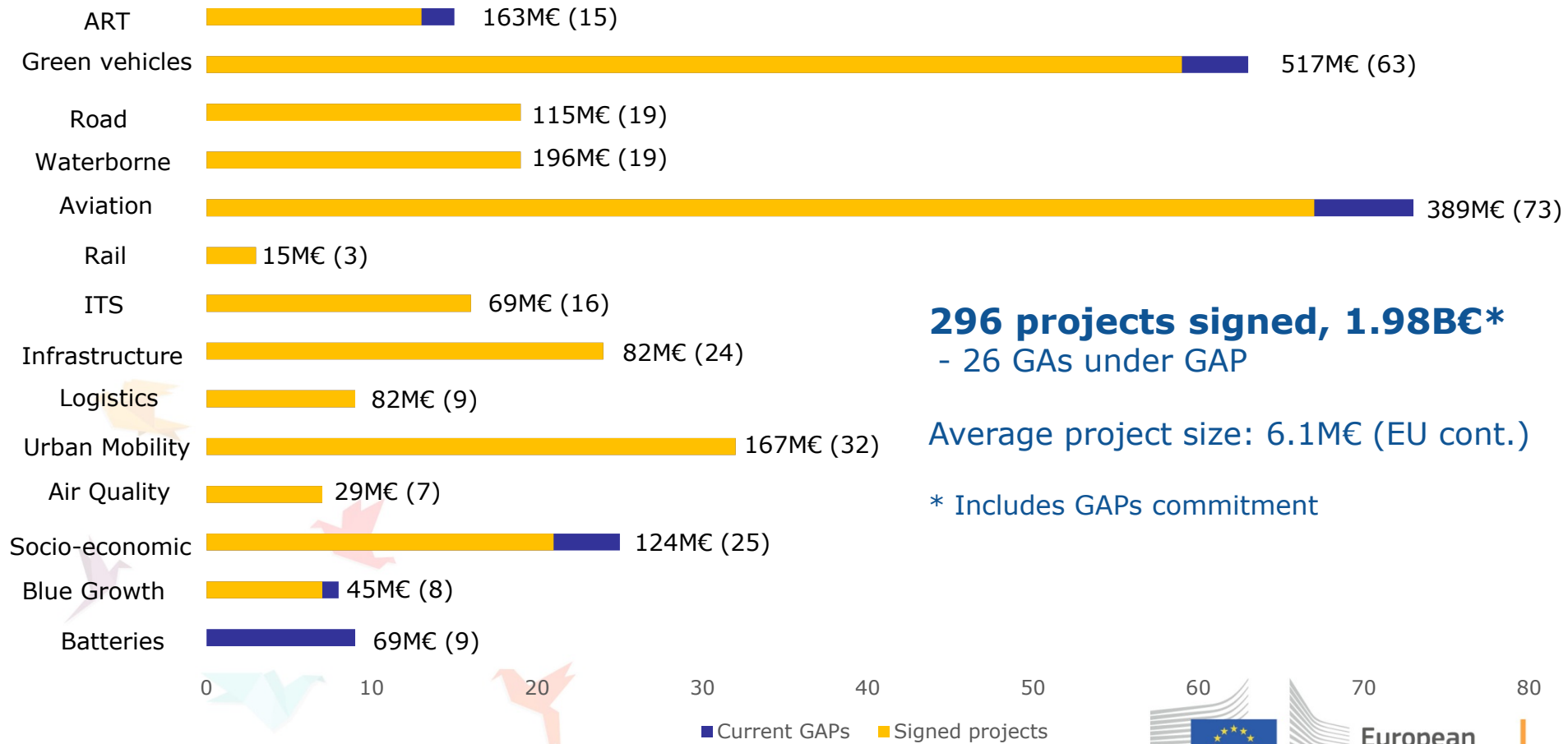
< Synergies >



# H2020 Transport Portfolio



# INEA H2020 Transport portfolio



**296 projects signed, 1.98B€\***  
- 26 GAs under GAP

Average project size: 6.1M€ (EU cont.)

\* Includes GAs commitment



# Thank you!

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[www.ec.europa.eu/research](http://www.ec.europa.eu/research)

Funding & tender opportunities portal

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



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*Welcome and opening*

#H2020Transport

Jean-François Aguinaga  
Head of Unit Future Urban and Mobility Systems  
DG RTD

Research and  
Innovation



*“We are on track to meet our ambitious Paris Agreement goals and 2030 targets. But we need to go further and faster if we are serious about climate neutrality in 2050. We currently have a goal of 40% emissions reduction by 2030. But we have to be more ambitious. Carbon emissions must have a price. Every person and every sector will have to contribute.”*

*Ursula von der Leyen, President-elect of the European Commission  
European Green Deal*



# Transport R&I policy orientations (1)

## 1. DECARBONISATION

- We have to be more ambitious when it comes to our 2030 targets <and> (...) **reduce emissions by at least 50% by 2030**. The EU will lead international negotiations to increase the level of ambition of other major emitters by 2021 (...) putting forward a comprehensive plan to increase the **European Union's target for 2030 towards 55%** in a responsible way.
- **Increased focus in the Transport WP 2020**
  - **#EUBatteryAlliance** : new cross-cutting call "*Building a Low-Carbon, Climate Resilient Future: Next-Generation Batteries*" - EUR 132 Mio total budget / EUR 60 Mio for transport-related topics;
  - **Green Vehicle call** : 4 topics in 2020 => preparing the ground for the massive increase of electrified vehicles on our roads
  - **MG call**: 4 topics on low carbon transport solutions for cities, long distance shipping, aviation and public health

### Horizon 2020 investment targets:

- ✓ 35% climate actions
- ✓ 60 % sustainable development

### Transport Challenge total budget 2020

- ✓ EUR 403 M



# Transport R&I policy orientations (2)

## 2. DIGITISATION

- **Connected and automated driving** continues to play a major role and to contribute to road safety, better traffic flow, less congestion, fuel efficiency and ultimately to reduce carbon emissions
- **Focus on large-scale, cross-border demonstration** of connected & automated vehicles for passenger cars and logistics for heavy-duty vehicles

## 3. SAFETY in all transport modes

- Freight transport and logistics, traffic management, infrastructure research



## 4. INTERNATIONAL COOPERATION

- **Two Flagships topics in 2020** addressing global challenges in aviation and automated road transport and 4 more topics open to InCo

# Horizon Europe – Strategic Plan

## Cluster 5 on «Climate, Energy and Mobility» - key R&I orientations:

- Develop knowledge and more efficient climate action
- Develop cross-sectoral solutions to decarbonize the energy and mobility sectors (batteries, hydrogen, communities & cities...)
- Develop cost-efficient, zero-carbon energy systems
- Develop demand side solutions to decarbonize the energy system
- Develop low-carbon and competitive transport solutions across all modes
- Develop seamless, smart and safe mobility systems



### European Partnerships

- ✓ Transforming Europe's rail system
- ✓ Integrated Air Traffic Management
- ✓ Clean Aviation
- ✓ Clean Hydrogen
- ✓ Build environment and construction
- ✓ Towards zero-emission road transport (2ZERO)
- ✓ Mobility and Safety for Automated Road Transport (MOSART)
- ✓ Batteries: Towards a competitive European industrial battery value chain
- ✓ Clean Energy Transition

### Mission areas

- ✓ Adaptation to climate change including societal transformation
- ✓ Cancer
- ✓ Healthy oceans, seas, coastal and inland waters
- ✓ Climate-neutral and smart cities
- ✓ Soil health and food

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Torsten Klimke  
Deputy Head of Unit Innovation and Research  
DG MOVE

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