

Smart, green and integrated Transport

HORIZON 2020

Work Programme 2018-2020



H2020 Policy Priorities

Transport Policy Goals

Increased investment in **sustainable development** and **climate** related R&I
 ➤35% climate actions ➤60% sustainable development

Resource **efficient transport** that respects the environment

Integrating **digitisation** in all industrial technologies and societal challenges
 ➤Digital Single Market Strategy

Better mobility, less congestion, more safety and security

Strengthening **international R&I cooperation**: Flagships to ensure scope and scale in targeted areas

Global leadership for the European transport industry

Addressing **societal concerns**: security and migration

Socio-economic and behavioural research & forward looking activities

Market creating innovation: EU Innovation Council pilot

What's new ?

- **3 year** coverage: 2018-2019 and 2020
- 2 key **Focus Areas (FA)*** (out of 4) addressing global challenges cutting across sectors and programmes:
 1. Building a low-carbon, climate resilient future
 2. Digitising and transforming European industry and services
- Improved coordination to address technological challenges: EUR 200 mio indicative budget to R&I activities on **batteries**
- Reduced number of topics and broader scope, new structure
- Reinforced **International Cooperation - InCo**: **5 flagship initiatives** of large scale and scope addressing global challenges ("**Greener and Safer Aviation in a Smaller World**", on air quality, on urban mobility, on **Automation**, and on logistics) and 10 more topics encouraging InCo
- **Two-stage** procedure for MG call only, (except the Aviation InCo flagship) and **single-stage** procedure for GV and ART



International cooperation

Global challenges call for global solutions

- Emissions, pollution, climate impact
- Oil dependency, energy efficiency
- Transport safety and security
- Standardisation of services, products and procedures

Local issues benefit from exchange of best practices / Twinning

- Traffic congestion
- Land use planning
- Behavioural issues

Countries targeted:

Africa, Australia, Brazil, Canada, China, India, Japan, Latin America & other CELAC countries, Russia, Singapore, South Korea, US

Main features

- **Budget 2018**: EUR 298.6 mio – EUR 945 mio in 2018-2020
- **3 calls for proposals** and 21 topics in 2018
 1. *Mobility for Growth (MG)*
 2. *Automated Road Transport (ART)*
 3. *Green Vehicles (GV)*
- **Opening of calls - 31 October 2017** - WP pre-published on H2020 web-site
- **3 types of actions**: **RIA, IA, CSA/EraNet** + **Other actions**: Prizes, SME Instrument, FTI, experts groups and procurements,
- **Transport relevant topics in other parts of the H2020 WP**: NMPB, ICT, ENERGY, SECURITY, FOOD and **complementarities** with calls and activities of CleanSky, SESAR, Shift2Rail, FCH2
- **Open Access to Data policy**: applies by default to the whole H2020 to scientific publications and research data generated by projects
- Improved **focus and clarity** in the topic descriptions (notably the **expected impacts**)...while keeping an open and non-prescriptive approach

Budget (in million €)

	2018	2019	2020	Total
MG Call	197.4	168.7	147.5	513.6
ART Call	15	38	50	103
GV Call	56	78	112	246
<i>Other Actions</i>	7.4	8	1.6	17

- Calls challenge-based, more open to innovative proposals
- Greater emphasis on impact
- More emphasis on innovation
- Bring together different disciplines, sectors & actors to tackle specific challenges
- Gender & SME participation: an important element (where relevant)

MOBILITY FOR GROWTH—MG call

Overall objectives:

- ✓ Reconcile sustainability and competitiveness
- ✓ Ensure better and safer mobility for all
- ✓ Address socio-economic aspects and provide evidence for policy-making

Low-carbon and sustainable transport – Focus on

- The transition towards zero-emission and quieter mobility for all modes, for people and goods
- Tools and mechanisms for monitoring and detection of emissions & noise
- Scientific evidence for decision making process and planning
- Cross-modal/transport integration solutions in urban areas

Safe, integrated and resilient transport systems - Focus on

- Transport safety: contribution to the "zero road fatalities" goal in a changing environment
- Innovative solutions to reduce congestion and ensure seamless, safe and sustainable mobility for people and freight

Global Leadership & Competitiveness - Focus on

- Vehicle/vessel design and manufacturing and life-cycle approaches
- Rapid integration of ICT and IoT
- Human component of CAT technologies

Accounting for the People - Focus on

- Innovative solutions for an accessible & inclusive transport system
- Behavioural issues and user needs
- Appropriate regulatory frameworks and policies to support innovation and deployment
- Dissemination and exploitation of sustainable mobility solutions

Two 'Blue Growth' topics' in 2018-2019 aiming at

- Reduce the costs of deep sea exploration
- Explore several possible scenarios for the wide scale adoption of different emission control technologies

AUTOMATED ROAD TRANSPORT—ART call

- Large-scale/cross-border demos to promote market introduction of highly automated driving systems
- Trials on sustainable automated functions in real driving conditions - various traffic scenarios and urban areas
- Regulatory framework, certification procedures and standards
- New concepts for shared, connected and automated mobility
- ART-related cross-cutting issues: safety, users' needs, business models,...

GREEN VEHICLES—GV call

Bring forward the activities of the **EU Green Vehicle Initiative**: prepare the ground for a **potential massive introduction of electrified vehicles**

- Support design and manufacturing of 3rd generation of electrified vehicles, components and new generation of batteries
- Improve the charging solutions to meet end-users needs (access, time, cost, payment systems, etc.)
- Develop new concepts to reduce energy consumption and emissions of long-distance vehicles
- Cooperate with developing and emerging economies for demonstration activities and pilots in large urban areas

Implementation modalities	Deadlines	2018		2019	
		Opening	Closing	Opening	Closing
<ul style="list-style-type: none"> ➢ One project = One funding rate for all beneficiaries / activities in the grant ➢ Funding up to 100% of eligible costs for 'Research and Innovation Actions' (RIA) and for 'Coordination and Support Actions' (CSA) ➢ Funding up to 70% for 'Innovation Actions' (IA), except non-profit organisations (up to 100%) ➢ Indirect costs (overheads): 25% flat rate ➢ Minimum conditions: <ul style="list-style-type: none"> • IAs, RIAs: minimum three legal entities each established in a different Member State or an Associated Country • CSAs: one legal entity established in a Member State or in an Associated Country 	Single Stage MG, ART & GV	31/10/2017	4/4/2018	4/12/2018	24/4/2019
	First Stage of 2-Stages—MG	31/10/2017	30/1/2018	5/9/2018	16/1/2019
	Second Stage of 2-Stages—MG	-	19/9/2018	-	12/9/2019

Save the dates

**Transport Info Day
Brussels—13.12.2017**



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