Project co-financed by the European Regional Development Fund

WP3 – Testing / 3.5 green mind transnational innovation network

AFT / DE MIGUEL Emilie

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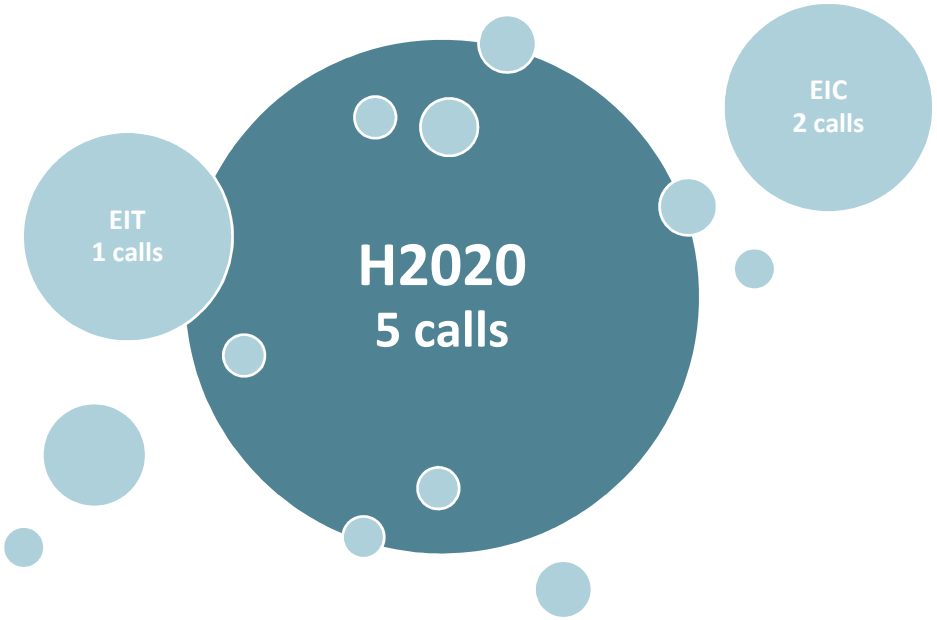

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H2020 WP

https://ec.europa.eu/research/participants/data/ref/h2020/wp/2018-2020/main/h2020-wp1820-transport_en.pdf

LC-MG-1-12-2020
CSA
03.12.19 / 21.04.20
1 – 1,5M€

Cities as climate-resilient, connected multimodal nodes for smart and clean mobility:
new approaches towards demonstrating and testing innovative solutions

New technologies & measures are emerging, but they are not taken up at a scale that is necessary to meet EU climate targets and transport policy objectives.
Support the implementation of innovative mobility solutions in 4 broad areas: 1.Investments in and management of the transport network 2.Supporting modal shift towards more energy-efficient, safer and active 3.New operating and business models in collective public and private transport 4.Supporting mobility actions within the scope of the European Innovation Partnership / Development & implementation of a programme to deliver capacity building and institutional networking by: a.Supporting staff exchanges… b.Supporting the identification and access to financial and legal expertise, to define the feasibility to replicate an innovative mobility solution and to develop an innovation deployment programme of scale c.Providing matchmaking services for innovative mobility solutions establishing the link between "suppliers" & "customers" d.Delivering recommendations to bridge the gap in the research and innovation performance and the deployment of the innovative mobility solutions across EU Member States.

MG-4-7-2020
RIA
03.12.19 / 21.04.20
2 – 3M€

Digitalisation of the transport system : data sharing

Optimal use of the available data is indispensable in order to advance towards an intelligent transport system that is efficient, reduces congestion, environmental impact and increases safety.
Provide a comparative analysis of the transportation data regulation / Identify transport flows for digitalised processes and transport data exchange / Identify functional requirements and possible frameworks for data sharing across the transport system and with the public sector where appropriate / Building on existing standards - specifications, propose standards for transport data sharing / Analyse the relationships between private and public stakeholders and their differing approaches to data sharing principles

Efficient and safe connected and automated heavy-duty vehicles in real logistics operation

DT-ART-05-2020
IA
03.12.19 / 21.04.20
15 – 25M€

There are several specific challenges that need to be addressed before connected, cooperative and automated driving technologies for heavy commercial vehicles can be widely deployed.
Identify logistics operational needs and analyse new, emerging business and operating models and related technologies for efficient, high capacity and safe connected and automated heavy commercial vehicles / Develop, design, test and validate enhanced connected and automated vehicle technologies for heavy commercial vehicles / Test and demonstrate innovative, efficient and safe connected and automated heavy commercial vehicles for real logistics operations on hub-to-hub corridors, on open roads in mixed traffic or in confined areas addressing mixed traffic capabilities to prepare for operation in real road conditions / Enhanced interaction between connected and automated heavy commercial vehicles and their users and other road users

Next generation electrified vehicles for urban and suburban use

LC-GV-08-2020
IA
03.12.19 / 21.04.20
1: 1-2M€ 2&3: 4-6M€

As cities become bigger & smarter, it leads to opportunities for specialised vehicle designs; new vehicles should lead to flexibility and modularity in order to ensure urban-readiness in all kind of urban and sub-urban areas.
As cities become bigger and smarter, this trend leads to new opportunities for specialised vehicle designs, more specific to urban users' including commuter's needs and operations and last mile delivery. New vehicle architectures should lead to flexibility and modularity in order to ensure urban-readiness (appropriate range, compatibility with charging infrastructures, ease of parking and operations) in all kind of urban and sub-urban areas, most likely with different implementation levels of infrastructure and smart technologies.

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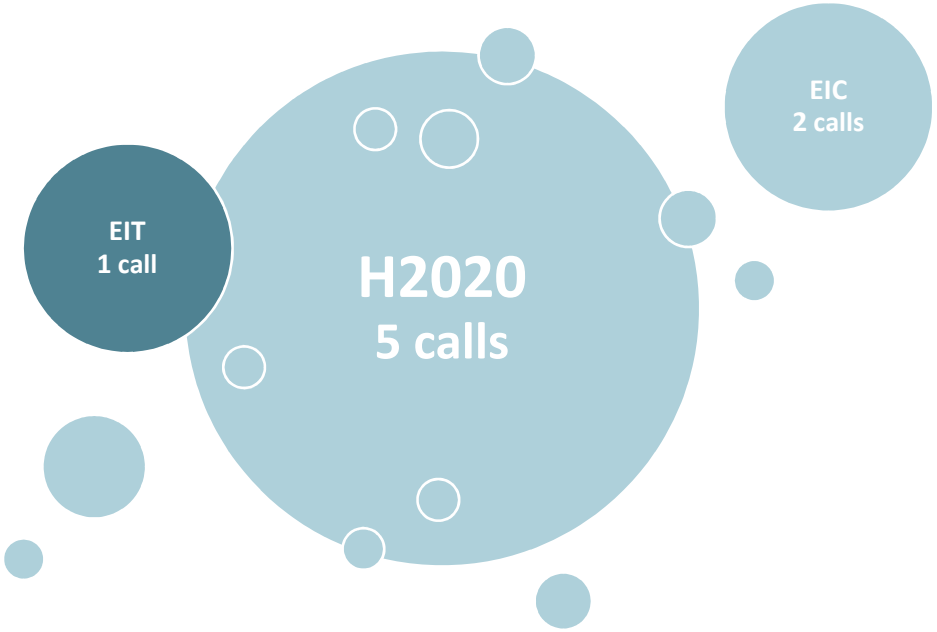
MG-4-8-2020
RIA
03.12.19 / 21.04.20
1 – 2M€

Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers

New technologies & measures are emerging, but they are not taken up at a scale that is necessary to meet EU climate targets and transport policy objectives.

Identify major conceptual, methodological and technical needs for analysis, monitoring and assessment of new and emerging mobility trends and solutions / Examine how conventional concepts and variables such as, for example, efficiency, reliability, safety, comfort and security evolve with the new mobility concepts and the new societal and industrial structures to which the future transport network will provide services / Identify major new concepts and variables that play an increasingly important role in transport/mobility analysis, and devise methods to estimate-quantify them / Elaborate advanced methods and tools for monitoring, assessment and analysis of mobility solutions / Review and assess a range of options for collecting and using new data, through new data collection and management approaches, as well as new methods and tools to exploit data, taking into account different type of variables such as gender, age, ethnicity, etc. when relevant.



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EIC WP
https://ec.europa.eu/research/participants/data/ref/h2020/wp/2018-2020/main/h2020-wp1820-eic_en.pdf

EIC Pathfinder pilot (FET-Proactive) Boosting emerging technologies

H2020-EIC-FETPROACT-2019-2020
RIA
13.05.2020 - 4M€

FET Proactive aims to identify the future and emerging technological paradigms with highest potential for Europe's economy and society.
Proposals are sought for cutting-edge high-risk & high-reward research and innovation projects that aim to demonstrate a new technological paradigm within the scope of one of the following sub-topics: a. Human-Centric AI. This initiative seeks to advance to the next AI frontier with verifiable, evidence-based features of trustworthiness and transparency, exploring radically new approaches / b. Implantable autonomous devices and materials. A key goal will be to demonstrate dramatically extended functional lifetimes of implantable devices, for example, through incorporation of smart sensing, self-awareness, adaptation & self repair capabilities / c. Breakthrough zero-emissions energy generation for full decarbonization. It aims at the multidisciplinary exploration of new directions (starting from TRL 1-3) for power generation that is clean, compact and low-cost, aimed at stand-alone, mobile or portable uses in specific application context

Principles and funding of the EIC Accelerator pilot (SME Instrument) - From concept to market: Phase 2

H2020-EIC-SMEInst-2018-2020
IA
07.11.20 - 2,5M€

Phase 2 helps you develop your business concept further into a market-ready product, service or process aligned with your company's growth strategy.
Your proposal must be based on a strategic business plan &must specify the expected outcome of the project and criteria for success, as well as the expected impacts on your company in both qualitative and quantitative terms (e.g. on turnover, employment, market size, IP management, sales, return on investment, profitability, and particularly the level of risk/ de-risking factor associated with support under the EIC Accelerator pilot).

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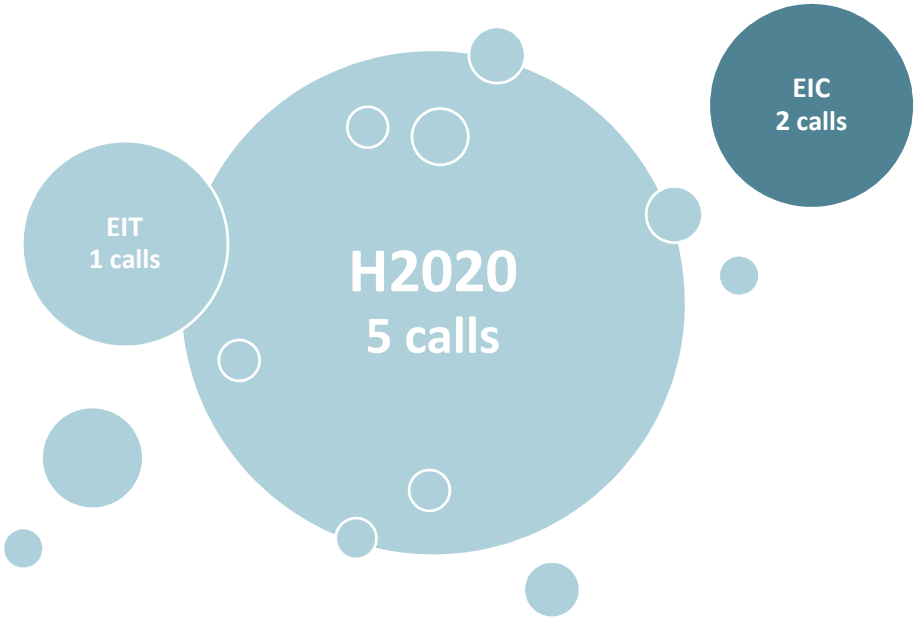

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EIT info
https://eit.europa.eu/what-are-eit-knowledge-and-innovation-communities-kics

EIT Urban Mobility KIC - ‘Knowledge and Innovation Communities’

KICs create a pan-European network and carry out a whole range of activities that cover the entire innovation chain – including training and education programmes, reinforcing the journey from research to the market, innovation projects as well as business incubators and accelerators.
For the moment, no call has been identified that could fill in all requirements imbedded with the Green Mind project.