



TRANSPORT: POSSIBILITIES WITH/IN OTHER THEMES OF HORIZON 2020

WHAT YOU NEED TO KNOW

Most of the opportunities for funding for stakeholders interested in transport R&I are to be found in the societal challenge “**Smart, green and integrated transport**”. However, other possibilities lie in the rest of Horizon 2020; indeed, the European Commission aims at proposing broad topics, touching various field of expertise. In the work programme 2016-2017, participants can find opportunities within the three pillars and horizontal activities.

HORIZON 2020

1. PILLAR

2. PILLAR

3. PILLAR

HORIZONTAL ACTIVITIES

PILLAR 1: TRANSPORT RESEARCH IN EXCELLENCE SCIENCE

Advanced research to uncover radically new technological possibilities are addressed in the “Excellence Science” part of the Work Programme through European Research Council (ERC), Future and Emerging Technologies (FET), Marie Skłodowska Curie Actions (MSCA), and Research infrastructures.

ERC and Marie Skłodowska Curie Actions are bottom-up instruments, so Transport related subjects can be financed. As far as FET is concerned, there are opportunities for transport in the “FET open” scheme:

FETOPEN-01-2016-2017: FET-Open research and innovation actions; as it is a bottom-up initiative, transport can be funded.

PILLAR 2: CREATING LEADERSHIP IN ENABLING AND INDUSTRIAL TECHNOLOGIES

One of the fields of the Leadership in enabling and industrial technologies (LEIT) is Space, where stakeholders in aeronautic can find funding, especially topics:

GALILEO-1-2017: EGNSS Transport applications

GALILEO-2-2017: EGNSS mass market applications

LEIT-ICT can hold opportunities as well, mainly with the topics in Robotics:

ICT2-2014: ICT-25-2016-2017: Advanced robot capabilities research and take-up

ICT-26-2016: System abilities, development and pilot installations

ICT-28-2017: Robotics Competition, coordination and support

Transport themes can be also addressed in the LEIT-NMP under the topic:

EIT-Manufacturing: Added-value Manufacturing

The second pillar also hold possibilities open with the scheme: “Access to risk finance” and “Innovation in SMEs”, open to all fields

PILLAR 3: TACKLING SOCIETAL CHALLENGES

Call Blue Growth, which is part of the Challenge “Food security, sustainable agriculture and forestry, marine and maritime and inland water research and the bio-economy” can also provide some opportunities with the topic:
 BG-04-2017: Multi-use of the oceans marine space, offshore and near-shore: Enabling technologies

Many topics in the Challenge “Secure, clean and efficient energy” can offer opportunities for transport researchers, mainly in call Low-carbon energy. Here you can find topics regarding biofuels:

LCE-22-2016: International Cooperation with Brazil on advanced lignocellulosic biofuels

LCE-20-2016-2017: Enabling pre-commercial production of advanced aviation biofuel

LCE-19-2016-2017: Demonstration of the most promising advanced biofuel pathways

LCE-02-2016: Demonstration of smart grid, storage and system integration technologies with increasing share of renewables: distribution system

In the Challenge: “Climate action, environment, resource efficiency and raw materials” transport aspects can be found in:
 SC5-07-2017: Coordinating and supporting research and innovation actions on the decarbonisation of the EU economy

The “Secure societies” challenge is also a good place to look for transport related subjects.

SEC-10-FACT-2017: Integration of detection capabilities and data fusion with utility providers’ networks

SEC-15-BES-2017: Risk-based screening at border crossing

SEC-21-GM-2016-2017: Pan European Networks of practitioners and other actors in the field of security

CROSS-CUTTING ISSUES AND HORIZONTAL ACTIVITIES

For programming period 2016-17 European Commission has decided to put more visibility on cross-cutting issues creating thus a new Work Programme “Cross-cutting activities (Focus Areas)”. In this Work Programme can be found focus areas as **Internet of Things**, **Industry 2020 in the Circular Economy**, and **Smart and Sustainable Cities** with topic:
 SCC-1-2016-2017: Smart Cities and Communities lighthouse projects

Opportunities for Transport related research and innovation can be also found in horizontal activities such as “Spreading Excellence and Widening Participation”, topic:

WIDESPREAD-04-2017: Teaming Phase 1

or various Horizon 2020 prizes, such as **Future Engine Prize** and **Engine Retrofit for Clean Air Prize**.

HOW CAN YOU IDENTIFY RIGHT TOPIC?

Use a Search topic function! When you are unsure if you have scanned all funding possibilities, or if you have found out the right topic, you can always use Search topic function. Participant Portal offers search function where you can find your research related topics easily. Just write down keywords and system lists you possible topics for you.

TIP

Transport research activities will reside predominantly within Horizon 2020 Part III: Societal Challenge “Smart, green and integrated transport”. The short name for Smart Green and Integrated Transport Work Programme is “Transport Challenge”.

Details on the financing possibilities described can be found in a unique Work Programme.

HELPDESK

Don’t forget to discuss your project idea and rules of participation with your NCP

Browse Participant Portal

