

## OVERVIEW

*Protection of all road users in crashes (MG-3.2-2017)* is a topic for proposals launched by the European Commission (EC) under Horizon 2020 aiming to develop fully integrated safety systems and deploy them so that they provide better protection for all road users, considering current societal trends.



## H2020-MG-3.2-2017

### The scope

Proposals should focus on one or several of the following aspects:

- a. Vehicle based systems such as: solutions for improved crash compatibility; optimization of restraint systems by including pre-crash information; and methods and requirements to assess safety performance in traffic of extremely low-mass vehicles.
- b. Personal protection such as: development and testing of focused personal safety equipment for various road user categories, to warn them adequately and/or protect them in the most safety critical situations; and integrated assessment methods for the overall safety of road users and solutions that enhance their protection.
- c. Crash simulation such as: computationally efficient and robust crash simulation tools; implementation of virtual testing; and development of virtual human body models of road users and situations not currently available.

### Key points

- ❖ Activities should focus on fully integrated safety systems.
- ❖ Activities should consider gender aspects (body structure and stature).
- ❖ Activities should consider demographic factors (persons with reduced mobility, ageing, obesity, etc.).
- ❖ Involvement of SME with proven experience in the topic.
- ❖ Links with Member State initiatives.
- ❖ International cooperation with industrialized countries (US, Japan, Canada, Australia) and emerging economies (primarily China, India, **BRAZIL**).
- ❖ Twinning with entities participating in projects funded by the United States Department of Transportation.

### Expected impacts

*Related to beneficiaries*

- ✓ Direct contribution to the reduction of: (i) fatalities; (ii) severity of injuries; (iii) number of injured persons.
- ✓ Safer “transport triangle” (road users, vehicles and infrastructure).
- ✓ Savings in the health system.

*Related to Research & Innovation activities undertaken in the project*

- ✓ Effective contribution to the standardization of products and testing techniques.
- ✓ Demonstrate the future full scale manufacturing of critical products.

<http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/mg-3.2-2017.html>



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### Useful Information

**MG-3.2-2017 is a Research and Innovation Action (RIA)**

*Action primarily consisting of activities aiming to establish new knowledge and/or to explore the feasibility of a new or improved technology, product, process, service or solution. For this purpose they may include basic and applied research, technology development and integration, testing and validation on a small-scale prototype in a laboratory or simulated environment. Projects may contain closely connected but limited demonstration or pilot activities aiming to show technical feasibility in a near to operational environment.*

**MG-3.2-2017 is a two stage proposal**

#### First Stage

Deadline: 26 January 2017 (5 pm CET)

Results: max. 3 months after deadline submission

#### Proposal structure

- ❖ Cover page (title + list of participants)
- ❖ Excellence
  - Objectives
  - Relation to the Work Programme
  - Concept and Approach
  - Ambition
- ❖ Impact
  - How the project will contribute to the expected impacts set out in the topic)

**Maximum 15 pages!**

#### Second stage

Deadline: 19 October 2017 (5 pm CET)

Results: max. 5 months after deadline submission

**Only the proposals approved in Stage #1 are qualified to apply for Stage#2!**

#### Proposal structure

- ❖ Same items as Stage #1 proposal
- ❖ Full Impact chapter (incl. e.g. dissemination, exploitation and communication activities)
- ❖ Implementation
  - Workplan (work packages, deliverables)
  - Management structure and procedures
  - Consortium as a whole
  - Resources to be committed

**Maximum 50 pages!**

**MG-3.2-2017 financial aspects**

- ❖ Funding rate is 100% for all European organizations, Associated Countries and third countries which are automatically eligible for funding
- ❖ Participation is open to Brazilian Institutions, although with co-financing requested for the Brazilian part. A modality which is possible is through application to State-level funding agencies (FAPs). 8 agencies are ready to co-fund Brazilian involvement in H2020: FAPESP, FAPESC, FAPEG, FAPEMIG, FAPDF, Fundação Araucária, FAPES and FUNDECT. Further info on: <http://confap.org.br/news/horizonte-2020/>.
- ❖ Reference budget: between € 4 million and € 9 million per project
- ❖ *Between 2 to 4 proposals are likely to be approved*

