



## 8 November 2016:

the third Horizon 2020 Call for Applications in Satellite Navigation opens.

## 1 March 2017:

deadline for submitting proposals.

## 33 million EUR:

the budget available.

Horizon 2020, the biggest EU Research and Innovation Programme (R&D) continues for the third consecutive year boosting innovation, knowledge and growth.

In the space sector, the first two H2020 Galileo calls already started delivering tangibles results strengthening the European GNSS market. The project portfolio features 40 projects for 65 million euros across all market segments, and two new segments: Search and Rescue and GNSS Signal Processing. This wealth of downstream applications paves the way to the third call for proposals, leading to even more innovation in transport, consumer and professional markets.

Call  
opens on  
8 Nov.

The H2020-Galileo-2017-1 Call opens on 8 November 2016, the participation of industry and in particular SMEs is encouraged.

## Horizon 2020 GNSS Applications



Agriculture



Aviation



Awareness Raising



GNSS Signal Processing



LBS



Maritime



Rail



Road



Search and Rescue



Surveying



Timing & Synchronization

## INNOVATION ACTION

### **GALILEO-1-2017: EGNSS Transport applications**

Proposals should aim at developing new innovative applications, with commercial impact and a clear market uptake perspective; they may be submitted in any of the following transport domains:

- **Aviation**
- **Road**
- **Maritime**
- **Rail**

Innovation activities within this topic should build on:

- Exploitation of the distinguishing features of EGNOS and Galileo signals and operational advantages in downstream applications;
- Implementation of EGNSS based pilot projects and end-to-end solutions, ready for use by the private or public sector;
- Standards, certification, legal and societal acceptance, which will foster EGNSS adoption; and
- Exploitation of synergies with other positioning and navigation systems and techniques, with focus in valorising EGNOS and Galileo in the frame of multi-constellation and multi-frequency environment.



Budget: **EUR 14.50 mln**



**Remember to submit the Preliminary Business Plan with your proposal**

## INNOVATION ACTION

### **GALILEO-2-2017: EGNSS mass market applications**

Proposals should aim at developing new innovative applications, with commercial impact and a clear market uptake perspective. Some areas especially promising for further EGNSS applications development include:

- **Mobility as a service and Smart Cities**
- **Internet of things**
- **Commercial and social LBS**

For all the mass market areas, the development and innovation should build on:

- Galileo features that improve performances in urban environment;
- Multi-constellation, fusion with other positioning techniques, including sensor fusion and innovative network fusion techniques;
- Authentication services that will be provided by Galileo; and
- Techniques to optimise power consumption



Budget: **EUR 9.00 mln**



**Remember to submit the Preliminary Business Plan with your proposal**

## INNOVATION ACTION

### **GALILEO-3-2017: EGNSS professional applications**

Proposals should aim at developing new innovative applications, building also on the combination of EGNSS with Earth observation and Copernicus services, with commercial impact or with satellite communication. Some areas especially promising for further EGNSS applications development include:

- **Agriculture**
- **Surveying and Mapping**
- **Timing and Synchronisation**
- **Other professional applications**

For all the professional areas, the development and innovation should build on:

- Multiple-frequencies E1, E5 and E6;
- Galileo specific signal modulation, e.g. AltBOC;
- High precision and authentication services that will be provided by Galileo, i.e. in the frame of the commercial service;
- Fusion with other data, such as from Earth observation satellites or other in-situ sensors.



Budget: **EUR 8.00 mln**



**Remember to submit the Preliminary Business Plan with your proposal**

## COORDINATION & SUPPORT ACTION

### **GALILEO-4-2017: EGNSS awareness raising and capacity building**

Proposals should aim at capacity building, raising awareness of EGNSS solutions, providing networking opportunities of centres of excellence and other relevant actors and achieving a critical mass of EGNSS applications success stories, making it an attractive option for private investors in Europe and globally. Activities under this topic may also contribute to the cooperation schemes, which have been established with partner countries worldwide.

Technology promotion activities can include incentive schemes in the form of financial support to third parties for innovative applications developed by companies and entrepreneurs, and based on the GNSS. This will promote the uptake of satellite navigation downstream applications across Europe and beyond.

[http://ec.europa.eu/research/participants/data/ref/h2020/other/wp/2016-2017/annexes/h2020-wp1617-annex-a-countries-rules\\_en.pdf](http://ec.europa.eu/research/participants/data/ref/h2020/other/wp/2016-2017/annexes/h2020-wp1617-annex-a-countries-rules_en.pdf)



Budget: **EUR 1.50 mln**

## To submit your application:

1. Identify a suitable topic in the GNSS Application Call



2. Find project partners or apply as an individual team or researcher



3. Create an account on the Participant Portal



<http://ec.europa.eu/research/participants/portal>

4. Register your organisation



5. Submit your proposal by 1 March 2017

More information can be found in the H2020 Online Manual.

<https://ec.europa.eu/research/participants/portal/desktop/en/funding/guide.html>

To learn more on Applications in Satellite Navigation-Galileo-2017 visit

<https://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/calls/h2020-galileo-gsa-2017.html>

# [www.gsa.europa.eu](http://www.gsa.europa.eu)

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