

Earth Observation - Marine Horizonte 2020 *Calls* 2017



Gabinete de Promoção dos Programas Quadro ID&I
Fundação para a Ciência e Tecnologia | Agência de Inovação

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IPMA, Algés

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H2020

EO- Marine Topics

There are opportunities for Earth Observation under 2 pillars

Excellence(*)

- Individual grants
- Research in a team
- Research in Industry

Industrial Leadership

- **Space**

Societal Challenges

- **SC2:** Agriculture, Forests, Ocean, Food Security
- **SC5:** Climate Action and Environment

H2020

Work Programme 2017

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RESEARCH & INNOVATION
Participant Portal

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EU Programmes 2014-2020

Search Topics

Updates

Calls

- H2020
- Research Fund for coal & steel
- COSME
- 3rd Health Programme
- Consumer Programme
- Justice programme

FP7 & CIP Programmes 2007-2013

Calls

Other Funding Opportunities

Calls for Proposals

Horizon 2020

Advanced search for topics
Calls for tenders on TED

- Advanced manufacturing and processing
- Space
- Access to risk finance
- Innovation in SMEs
- Societal Challenges
 - Health, demographic change and wellbeing
 - Food security, sustainable agriculture and forestry, marine and maritime and inland water research and the bioeconomy
 - Growth, employment & innovation

Sort by Call title Call identifier Publication date Filter a call FILTER

Topic	Call Identifier	Publication date
Societal Challenges Greening the Economy	H2020-SC5-2016-2017	13-10-2015
Societal Challenges Earth Observation	H2020-EO-2017	13-10-2015
Societal Challenges Earth Observation	H2020-EO-2016	13-10-2015
Industrial Leadership Competitiveness of European Space Sector: Technology and	20-IND-CE-2016-17	13-10-2015
Industrial Leadership Competitiveness of the European Space Sector: Technology and		13-10-2015
Industrial Leadership Industry 2020 in the Circular Economy		13-10-2015

Search All topics under Space, DS2 and DS5

H2020

Work Programme 2017

The screenshot shows the 'RESEARCH & INNOVATION Participant Portal' with a search for 'Earth Observation' yielding 22 results. The search filters are set to 'H2020' and 'Forthcoming'. The top result is 'BG-09-2016:An integrated Arctic observation system', which is a 'RIA Research and Innovation action' with a 'single-stage' deadline model. The opening date is 26 October 2015, and the deadline is 17 February 2016 at 17:00:00 (Brussels time). A yellow banner at the bottom of the screenshot reads: 'Search Earth Observation related topics under H2020 (22)'.

European Commission
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HOME FUNDING OPPORTUNITIES HOW TO PARTICIPATE EXPERTS SUPPORT Search PP LOGIN REGISTER

EU Programmes 2014-2020
search topics
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Consumer Programme
Justice Programme

FP7 & CIP Programmes 2007-2013
calls
Other Funding Opportunities

22 Results
Keyword Search: Earth Observation
SEARCH
If you don't find your topic, you can also use the free text search.

Programme
 H2020 RFCS COSME 3rd Health Programme
 Consumer Programme Justice Programme

Status
 Forthcoming Open Closed

Sort by
 (Planned) opening date Deadline Topic title Topic identifier

Topic: **BG-09-2016:An integrated Arctic observation system** Forthcoming
Publication date: 13 October 2015

Types of action: RIA Research and Innovation action
DeadlineModel: single-stage
Opening date: 26 October 2015
Deadline: 17 February 2016 17:00:00
Time Zone : (Brussels time)

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H2020 Simplification

H2020 SPACE

Work Programme for 2017

- The next calls open on the 8 of November
- Deadline 1 March at 17h00

DO NOT WAIT
UNTIL THE LAST
MOMENT

Don't Miss the
DEADLINE!

H2020 SPACE

Work Programme for 2017

EO- related topics under Space

Call Earth Observation

EO-1-2017: Downstream applications

EO-2-2017: EO Big Data Shift

EO-3-2017: Preparation for a European capacity to monitor CO2 anthropogenic emissions



NEW

Call GALILEO

GALILEO-1-2017: EGNSS transport applications

GALILEO-3-2017: EGNSS professional applications

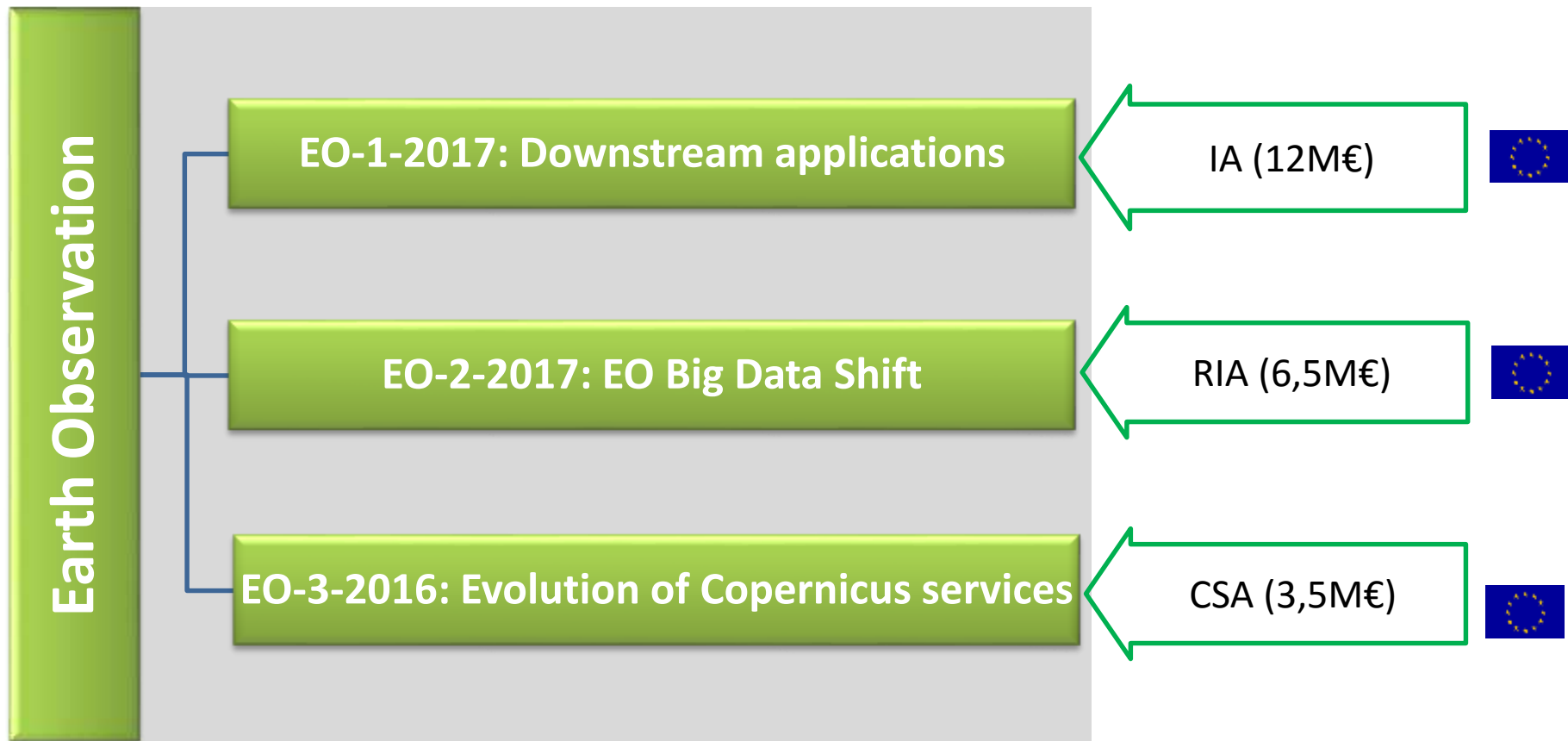
Call COMPET Competitiveness of European Space Sector

COMPET-2-2017: Competitiveness in Earth observation mission technology

COMPET-3-2017: High speed data chain

H2020 SPACE

Work Programme for 2017



H2020 SPACE

Work Programme for 2017

EO-1-2017: Downstream applications

IA total 12M€
1-2M€ / project

Commercial service products or platforms that integrate EO with other technologies:

- Copernicus data needs to reach the market and build the market
- Project should be innovative / close to the market
- Project should make the link between a need and a market opportunity
- **Focus** should be in innovation with a quick path to the market



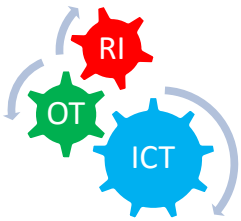
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EO-2-2017: EO Big Data Shift

RIA total 6,5M€
1-2M€/project

SME  industry



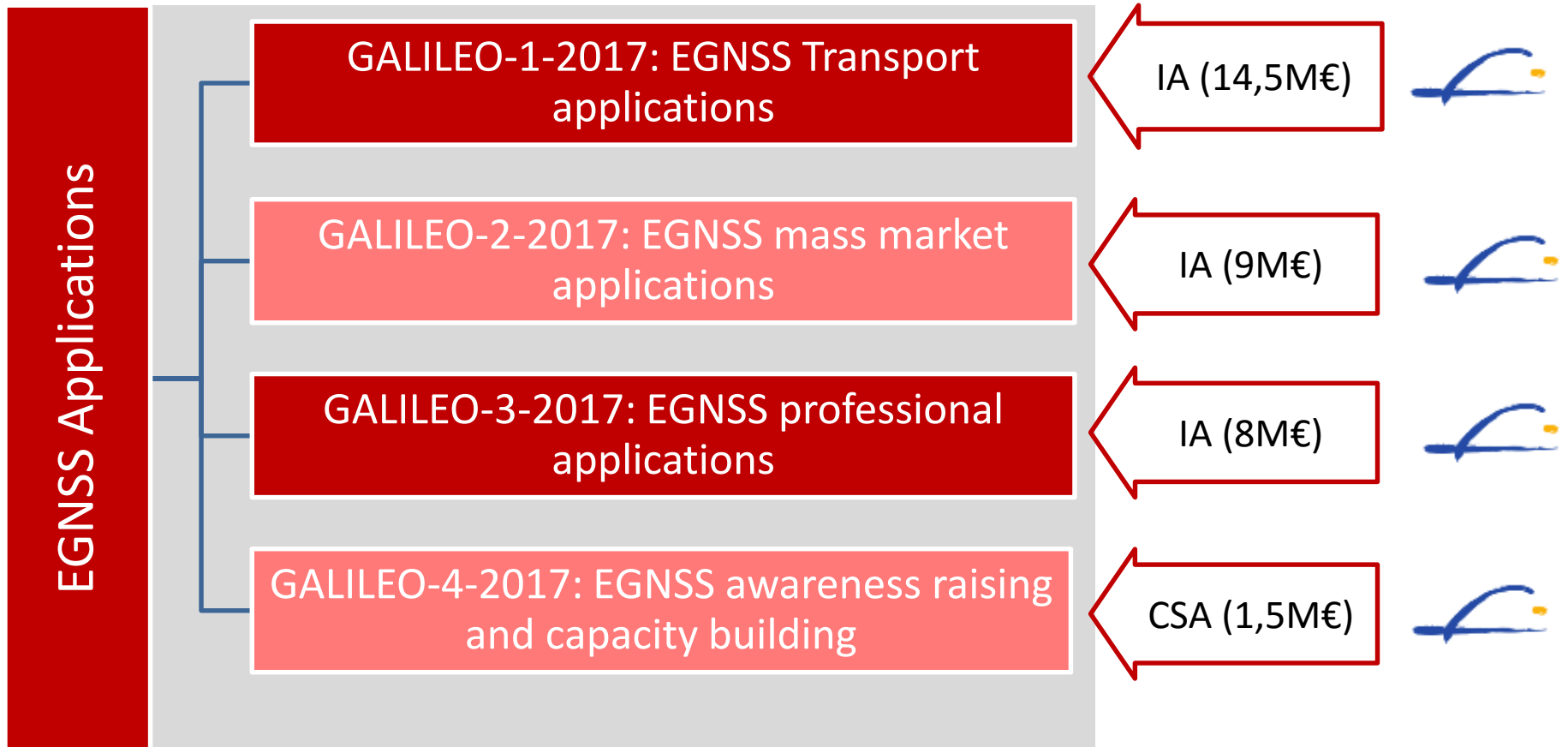
Complementary ICT and RI

- Projects should provide an innovation that will solve challenge – huge volume of data.
- Solution is specific to the Copernicus problem
- Portable solutions (applicable to different environments)
- Forward looking, beyond the current state of the art
- Address big data platforms holding different types of EO data,
- Shouldn't be too specific to each type of platform, must be adaptable

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Atividades delegadas à GSA



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Work Programme for 2017

GALILEO-1-2017: EGNSS Transport applications

EGNSS applications that improve the resilience and precision of EGNOS and GALILEO services.

IA total 14,5M€
1-3M€/project
2017



Vessels navigation, traffic management and surveillance, search and rescue, port operations, custom fraud control, fisheries monitoring .



Projects should:

- Promote innovation to maximise the potential of the EGNSS – transport
- Provide end-to-end solutions with accurate and resilient positioning and navigation
- Build on the use of current and future EGNOS dedicated services for maritime, and the Search and Rescue



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Work Programme for 2017

GALILEO-3-2017: EGNSS professional applications

IA total 8M€
1-3M€/projeto
2017

Professional applications covering different market segment, integrating EO data(COPERNICUS)



Precision farming



Surveying and Mapping



Timing and Synchronisation



Other professional applications, potential of integration with earth observation data

SME



Societal Challenge 5 – Climate Action

Earth Observation



- ✓ *maximising the benefits for European citizens of the Earth observation infrastructure*
- ✓ *developing innovative services to support more sustainable production and consumption patterns and resilient societies*
- ✓ *completing the in-situ component of GEOSS and Copernicus*
- ✓ *enabling the sharing and full, open and unrestricted access to validated Earth observation datasets*
- ✓ *engaging with the private sector to leverage emerging technologies and develop services*



Climate Action Work Programme 2017

	Título tópico	tipo	M€/proj
SC5-18-2017	Novel in-situ observation systems	RIA	4-5 M€

up to 3 project

need to extend and improve the in-situ component of the Global Earth Observation System of Systems (GEOSS) and of the EU Copernicus programme

- develop new, in-situ Earth observation systems, taking advantage of new technology and the latest developments in sensor science*
- low energy sensors and communication systems, requiring less demanding maintenance*
- transfer and adaptation of new technologies into operational systems*
- take into account concepts such as citizens' observatories, disposable sensors, and the use of unmanned platforms*





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