

Zagadnienia konkursowe dotyczące Obserwacji Ziemi w Programie Horyzont 2020

Dr Piotr Świerczyński
Koordynator obszaru Przestrzeń kosmiczna w H2020

Dr Magdalena Głogowska
Koordynator obszaru: Działania w dziedzinie klimatu,
środowisko, efektywna gospodarka zasobami i surowce

Krajowy Punkt Kontaktowy Programów Badawczych UE
Instytut Podstawowych Problemów Techniki PAN
www.kpk.gov.pl

Krajowy Punkt Kontaktowy Programów Badawczych UE w Instytucie Podstawowych Problemów Techniki PAN

Kim jesteśmy?

- nominowani przez Ministra ds. nauki jako **KPK do 5PR w 1999 r.**



- **KPK do PR Horyzont 2020 i Euratom-Fission w Polsce**
- *Eksperti do Komitetów Programowych H2020*

- **Koordinator Sieci KPK:**
 - **KPK i 11 Regionalnych Punktów Kontaktowych**
- *współpracujemy z Branżowymi Punktami Kontaktowymi*
- **Koordinator sieci EURAXESS**
- **UMOWY o współpracy z krajowymi instytucjami:**
KRASP, PAN, RGIB, NCBiR, NCN, FNP, PARP/EEN, KRAB, ARP...



- **Realizacja ponad 100 projektów PR / Koordynator 17 projektów**

Oferta Sieci KPK

- Dni informacyjne**, konferencje,
- Szkolenia/warsztaty**, w tym w zakresie przygotowania wniosków projektowych,
- Indywidualne **działania mentoringowe** dla jednostek naukowych, zespołów i naukowców,
- Doradztwo **finansowo-prawne** w zakresie przygotowania i realizacji projektów,
- Indywidualne konsultacje** wniosków projektowych
- Wsparcie w poszukiwaniu partnerów (partner search),
- Organizacja międzynarodowych **spotkań brokerskich**,
- Promocja** polskich podmiotów w wymiarze międzynarodowym.

Horyzont 2020 w pigułce

- Program Ramowy** na rzecz badań i innowacji implementowany bezpośrednio przez KE;
- Program odpowiada na założenia **Strategii Europa 2020**;
- Budżet to **79 mld euro** dla badań i innowacji;
- Wsparcie dla projektów na każdym etapie gotowości technologicznej (**od pomysłu do rynku**);
- MŚP jednym z beneficjentów priorytetowych;
- Programy Pracy definiowane przez duży przemysł.

Dlaczego warto aplikować w Horyzoncie 2020?

- wsparcie ze strony KE nie jest pomocą publiczną;
- wysoki poziom dofinansowania realizowanych projektów (70 – 100%);
- dostęp do najnowszych rozwiązań i wyników badań na świecie w danym sektorze;
- wzrost rozpoznawalności i prestiż w kraju i za granicą;
- sieć kontaktów i budowa marki za granicą.

Struktura programu Horyzont 2020

DOSKONAŁA BAZA NAUKOWA

Europejska Rada ds. Badań
Naukowych (ERC)

Przyszłe i powstające
technologie (FET)

Akcje Marie Skłodowska Curie

Infrastruktura badawcza

WIODĄCA POZYCJA W PRZEMYSŁE

Wiodąca pozycja w zakresie
technologii wspomagających i
przemysłowych

Dostęp do finansowania ryzyka

Innowacje w MŚP

WYZWANIA SPOŁECZNE

Zdrowie, zmiany demograficzne i
dobrostan

Bezpieczeństwo żywności,
zrównoważone rolnictwo

Bezpieczna, ekologiczna i
efektywna energia

Inteligentny, ekologiczny i
zintegrowany transport

Działania w dziedzinie klimatu,
środowisko

Europa w zmieniającym się
świecie

Bezpieczne społeczeństwa

Upowszechnienie doskonałości i zapewnienie szerszego uczestnictwa

Nauka z udziałem społeczeństwa i dla społeczeństwa

Wspólne Centrum Badawcze
(JRC)

Europejski Instytut Innowacji
i Technologii (EIT)

Euratom

podjęcie *bottom-up* i *top-down*

Programy kosmiczne UE

Perspektywa finansowa 2014-2020



~1.479 M€



~4.291 M€



~7.071 M€



COPERNICUS SERVICES

Address six main thematic areas

<http://www.copernicus.eu/main/overview/>

- Land monitoring
- Marine monitoring
- Atmosphere monitoring
- Emergency management
- Security
- Climate change



Data access

- Copernicus users can also have a direct access to satellite data

COPERNICUS SPACE COMPONENT

- Earth Observation Satellites



<http://www.copernicus.eu/main/satellites>

www.kpk.gov.pl

<http://www.copernicus.eu/main/Brochure>

COPERNICUS – przetargi i konkursy

<http://www.copernicus.eu/>

Copernicus
Europe's eyes on Earth

What is Copernicus ?
Copernicus Services
Infos & Opportunities
Tenders & Grants
Documentation
Research
News
Newsletter
Events

23/03/2018
Full speed ahead: Closing in on the first year of fully operational Copernicus services for Security applications

Quick Links

- Access to data
- Access to finance
- Copernicus Academy
- Copernicus Relays
- Contact & Support

In Focus

eu2018bg.bg
REGISTRATION OPEN
Copernicus Training and Information Session
17 April 2018 Sofia, Bulgaria

Copernicus Training and Information Session
27 March 2018 Paphos, Cyprus

Friday, February 23, 2018
Copernicus Training and Information Session in Bulgaria – Registration Open

Tuesday, February 20, 2018
Copernicus Training and Information Session in Cyprus

COPERNICUS – przetargi i konkursy

What is Copernicus ?

Copernicus Services

Infos & Opportunities

Tenders & Grants

Documentation

Research

News

Newsletter

Events

[Home](#) > [Tenders & Grants](#)

In this section, you will find:

Information about calls:
Usefull links and information on Copernicus activities-related calls.

- **Tenders:**
Contract opportunities opened or planned to be opened in the context of the Copernicus Service and In-situ activities.

[FAQs](#) [Links](#) [Licence](#) [Contact Us](#) [Site Map](#) [Cookies](#) [About Us](#)

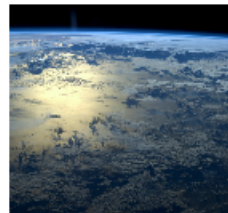
COPERNICUS – przetargi i konkursy



- What is Copernicus ?
- Copernicus Services
- Infos & Opportunities
- Tenders & Grants
- Documentation
- Research
- News
- Newsletter
- Events

[Home](#) > [Tenders & Grants](#) > Information about Calls

Information about Calls



Marine-EO

The Marine-EO Request for Tenders invites all interested parties to present their offers to bridging innovative downstream earth observation and Copernicus enabled services for integrated maritime environment, surveillance and security.

This procurement is a pre-commercial procurement (PCP).

[Read more...](#)

COSME

COSME is the EU programme for the Competitiveness of Enterprises and Small and Medium-sized Enterprises (SMEs).

Running from 2014 to 2020 with a planned budget of €2.3bn, it will support: a better access to finance for SMEs, an access to markets for SMEs, entrepreneurship, and more favourable conditions for business creation and growth.

Check the link below to know more about the application phases and the different calls deadlines.

[Read more...](#)



Past Calls



Novel Internet Of Things Services Using Space Capabilities

ESA has launched an opportunity to offer funding and support to companies for the business case assessment and development of new space enabled Internet of things (IoT) services that target relevant customer needs.

COPERNICUS – przetargi i konkursy

Copernicus Services

Infos & Opportunities

Tenders & Grants

Documentation

Research

News

Newsletter

Events

Tenders

For procurements related to the Copernicus Space Component and dissemination infrastructures please refer to the [EU TED portal](#), the ESA tender information public system dedicated exclusively to the [Copernicus-related Invitations To Tender](#) or the [EUMETSAT tender information public system](#).

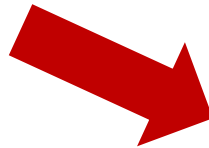
For procurements related to the Copernicus Climate Change and Atmosphere Monitoring Services please refer to the [EU TED portal](#) or the [ECMWF dedicated eProcurement portal](#).

The following contract opportunities have been opened or are planned to be opened in the context of the Copernicus Service and In-situ activities:

(Please note that the information on this site is provided **for information only**. For any formal information about these procurements, please refer directly to the [EU TED portal](#), the Procuring Entity respectively.)

Open Tenders

Description	Estimated Costs (k€)	Opening Date	Closure Date
Atmosphere Monitoring Service (CAMS) Procuring Entity: ECMWF CAMS_73 Greenhouse-gas fluxes CN: 2018/S 060-133749	560 to 690	27/03/2018	10/05/2018 15:00
Atmosphere Monitoring Service (CAMS) Procuring Entity: ECMWF CAMS_50 Regional production CN: 2018/S 060-133760	4560 to 5690	27/03/2018	10/05/2018 15:00
Atmosphere Monitoring Service (CAMS) Procuring Entity: ECMWF CAMS_84 Global and Regional a posteriori Evaluation and Quality Assurance CN: 2018/S 057-127063	2120-2650	22/03/2018	03/05/2018 15:00
Climate Change Monitoring Service (C3S) Procuring Entity: ECMWF C3S_513 Evaluation and Quality Control Framework for the Sectoral Information Systems CN: 2018/S 050-111881	2560-3200	13/03/2018	26/04/2018 15:00
Climate Change Monitoring Service (C3S) Procuring Entity: ECMWF C3S_311c Support for climate reanalysis including satellite data rescue CN: 2018/S 044-097217	Lot1: 1120-1400 Lot2: 460-575	03/03/2018	24/04/2018 15:00



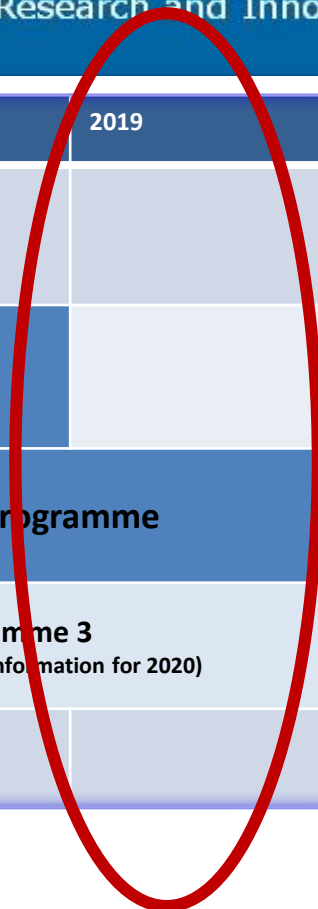


European Commission

HORIZON 2020

The EU Framework Programme for Research and Innovation

2014	2015	2016	2017	2018	2019	2020
Strategic Programme						
Work Programme 1 (plus tentative information for 2016)		Strategic Programme				
		Work Programme 2 (plus tentative information for 2018)		Strategic Programme		
				Work Programme 3 (plus tentative information for 2020)		
						Work Programme 4



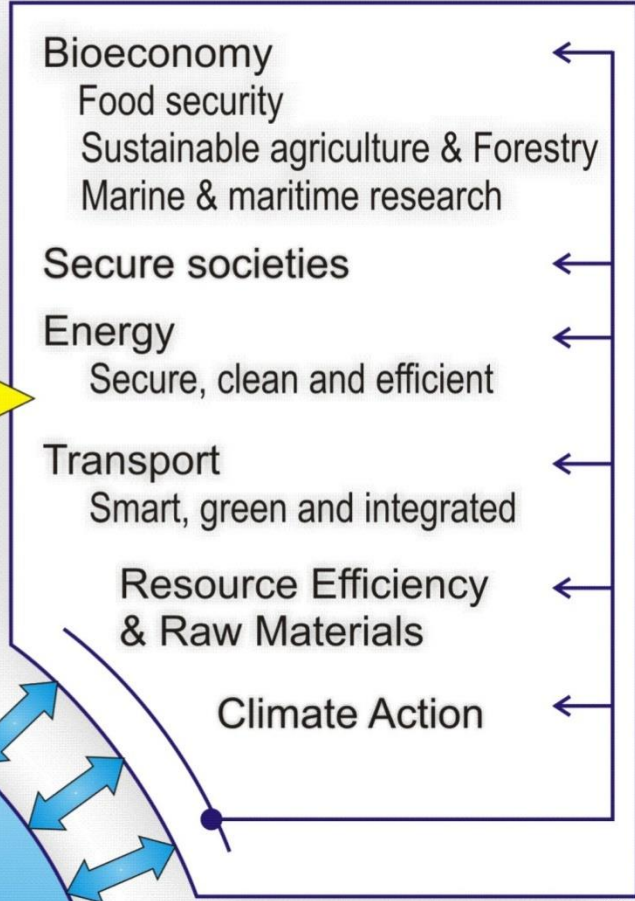
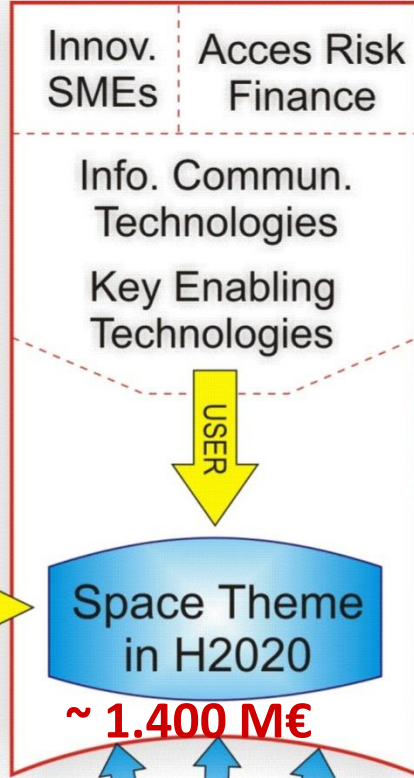
Przestrzeń kosmiczna w Programie HORYZONT 2020

There is a place for SPACE everywhere

Industrial Leadership

Societal Challenges

Excellent Science



Program Pracy 2018-2020 w obszarze Przestrzeń Kosmiczna w H2020

SPACE Calls	OPENING	DEADLINES
2018	31 October 2017	6 March 2018
2019	16 October 2018	12 March 2019
2020	TBD	TBD

WP 2018-2020 BUILDING BLOCKS

Maximising benefits of space for society and EU economy

SPACE-EO

- EO market uptake
- Copernicus mission and services evolution

SPACE-EGNSS

- EGNSS market uptake
- EGNSS infrastructure, mission and services evolution

SPACE-BIZ

- Support to space hubs
- Space outreach and education
- EIC Horizon Prize on "Low cost Space Launch"
- InnovFin Space Equity Pilot (ISEP)
- SME-instrument
- FTI – Fast Track to Innovation

Globally competitive and innovative space sector

SPACE-TEC

- Technologies for European non-depend. and competitiveness
- Strategic research clusters
- Generic space technologies
- EO and SatCom technologies
- In-orbit validation/demonstration

SPACE-SCI

- Scientific instrumentation and technologies for exploration
- Scientific data exploitation

Access to space & Secure and safe space environment

SPACE-TEC

- Access to space

SPACE-SEC

- Space weather
- Exploring concepts for space traffic management
- Space Surveillance and Tracking (SST)
- Near Earth Objects (NEOs)

+ under "other actions": ESA engineering support, REA/GSA project monitoring, studies & communication and support to the Space NCPs network

INDICATIVE BUDGET BREAKDOWN (2018-2020)

2018 | 2019 | 2020

Security

SEC (€85.6M)

16.8 | 30.9 | 37.9

2018 | 2019 | 2020

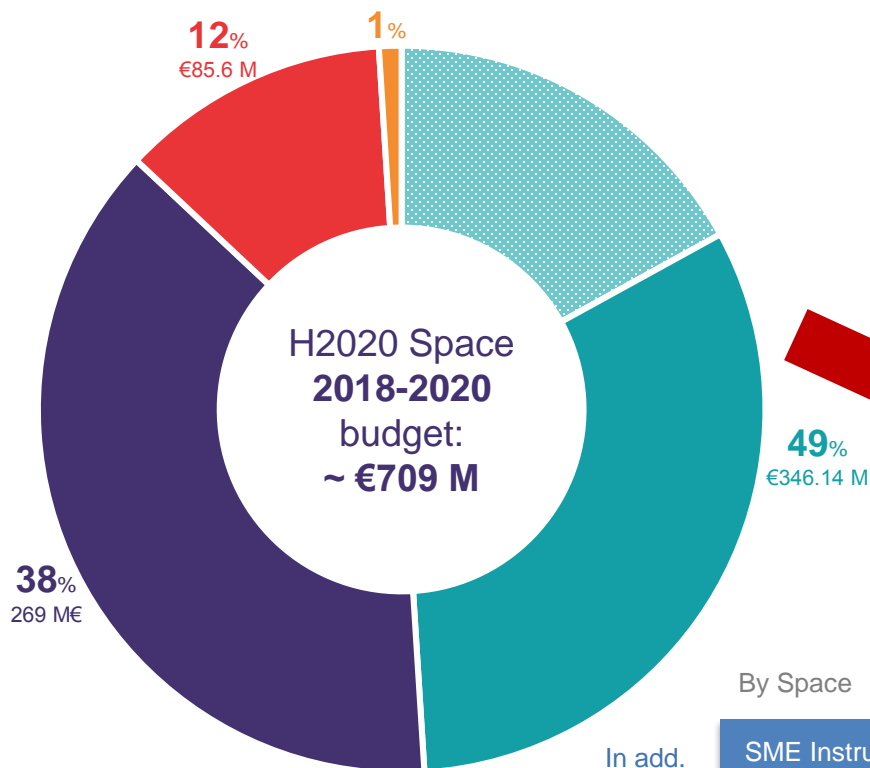
Technology and science

TEC (€250 M)

81.0 | 75.0 | 94.0

SCI (€19 M)

10.0 | 0.0 | 9.0



Miscellaneous (1%)

*Miscellaneous: Proposal evaluation, project monitoring, support to the NCP network; studies and communication activities

2018 | 2019 | 2020

Flagships, Entrepreneurship

104.7 | 124.7 | 120.5

EGNS (€122 M)

36.0 | 54.0 | 32.0

EO (€88 M)

22.0 | 31.0 | 35.0

BIZ (€136.14 M)

46.7 | 39.7 | 49.8

By Space

33.3 | 27.3 | 32.4

In add. By EIC & ARF

SME Instrument	19.3	19.3	19.4
EIC prize			5.0
ISEP	14.0	8.0	8.0

EARTH OBSERVATION

Topics	Type of Action	Indicative budget (€ million)		
		2018	2019	2020
DT-SPACE-01-EO-2018-2020: Copernicus market uptake	IA	9.0	9.0	9.0
LC-SPACE-02-EO-2018: Copernicus evolution – Mission exploitation concepts	CSA	8.0		
LC-SPACE-03-EO-2018: Copernicus evolution – preparing for the next generation of Copernicus Marine Service ocean models	RIA	5.0		
LC-SPACE-04-EO-2019-2020: Copernicus evolution – Research activities in support of cross-cutting applications between Copernicus services	RIA		8.0	8.0

EARTH OBSERVATION

Topics	Type of Action	Indicative budget (€ million)		
		2018	2019	2020
LC-SPACE-05-EO-2019: Copernicus evolution – Research activities in support to a European operational monitoring system for fossil CO2 emissions	RIA		9.0	
LC-SPACE-06-EO-2019: International Cooperation Copernicus – Designing EO downstream applications with international partners	RIA		5.0	
LC-SPACE-24-EO-2020: Copernicus evolution – Mission exploitation concepts	RIA			8.0
LC-SPACE-25-EO-2020: Copernicus big data algorithm factory	RIA			10.0

EARTH OBSERVATION

Topics	Type of Action	Indicative budget (€ million)		
		2018	2019	2020
SPACE-01-EO-2018-2020: Copernicus market uptake	IA	9.0	9.0	9.0
SPACE-04-EO-2019-2020: Copernicus evolution – Research activities in support of cross-cutting applications between Copernicus services	RIA		8.0	8.0

Innovation Action

Applications using Earth observation and integration with other technologies

Expected

- Value added products and services with demonstrated commercial value and targeted client communities
- Lead to new or improved products, processes or services on the market, which are capable of generating a significant turnover and creating new jobs

To be kept in mind:

- A business plan + user engagement (compulsory)
- Demonstrate how it will work on a large region/global scale
- Participation of industry, in particular SMEs, is encouraged
- Recommended project size: 1 to 2 M€
- **Deadline: March 2018, 2019, 2020?**

Research and Innovation Action

Scope:

- Demonstrate the technical feasibility of one cross-cutting thematic application **to improve the Copernicus services**
- Applications areas: **energy, health, water resources, resilience of built environment, cultural heritage, urban planning, biodiversity and eco-system preservation, exploration and mineral resources, etc**




- EU Programmes 2014-2020
- Search Topics
- Updates  
- Calls  
- H2020
 - 3rd Health Programme
 - Asylum, Migration and Integration Fund
 - Consumer Programme
 - COSME
 - European Statistics Programme
 - Hercule III Programme
 - Internal Security Fund - Borders
 - Internal Security Fund - Police
 - Justice Programme

TOPIC : Copernicus market uptake

Topic identifier:	DT-SPACE-01-EO-2018-2020		
Publication date:	27 October 2017		
Focus area:	Digitising and transforming European industry and services (DT)		
Types of action:	IA Innovation action		
DeadlineModel:	single-stage	Deadline:	06 March 2018 17:00:00
Opening date:	31 October 2017		
Types of action:	IA Innovation action		
DeadlineModel:	single-stage	Deadline:	12 March 2019 17:00:00
Opening date:	16 October 2018		

Time Zone : (Brussels time)



Horizon 2020 [H2020 website](#)

Pillar: Industrial Leadership

Work Programme Year: H2020-2018-2020

Work Programme Part: [Leadership in Enabling and Industrial Technologies - Space](#)

Call : [H2020-SPACE-2018-2020](#) [Call budget overview](#)

Topic Updates + More

- 11 December 2017 11:11**

There are [Frequently Asked Questions](#) for topic DT-SPACE-01-EO-2018-2020.

EARTH OBSERVATION

Topics	Type of Action	Indicative budget (€ million)		
		2018	2019	2020
SPACE-05-EO-2019: Copernicus evolution – Research activities in support to a European operational monitoring system for fossil CO2 emissions	RIA		9.0	9.0
SPACE-06-EO-2019: International Cooperation Copernicus – Designing EO downstream applications with international partners	RIA		5.0	
SPACE-24-EO-2020: Copernicus evolution – Mission exploitation concepts	RIA			8.0
SPACE-25-EO-2020: Copernicus big data algorithm factory	RIA			10.0

Inne konkursy Earth Observation w H2020

EARTH OBSERVATION TOPICS IN OTHER PARTS OF H2020 WP

Topics	Type of Action	Indicative budget (€ million)		
		2018	2019	2020
INFRAEOSC-01-2018: Access to commercial services through the EOSC hub	RIA		9.0	9.0
INFRAIA-01-2018-2019: Integrating Activities for Advanced Communities	RIA		5.0	

Societal challenge 5 – Climate action, environment, resource efficiency and raw materials

SC5-15-2018: Strengthening the benefits for Europe of the Global Earth Observation System of Systems (GEOSS) – establishing 'EuroGEOSS'	RIA			8.0
SC5-16-2019: Development of commercial activities and services through the use of GEOSS and Copernicus data	RIA			10.0

Inne konkursy Earth Observation w H2020

Call	Topic	Type	Deadline
DT-SPACE-06-BIZ-2018	International Cooperation Copernicus	Research & Innovation	12.03.19
Health, Demographic Change and Wellbeing			
SC1-BHC-13-2019	Mining big data for early detection of infectious disease threats driven by climate change and other factors [mentions use of Copernicus]	Research & Innovation	16.04.19
Food security, sustainable agriculture and forestry, marine and maritime and inland water research and the bioeconomy			
LC-SFS-34-2019	Food Systems Africa [mentions use of Copernicus and Earth observation data]	Research & Innovation	23.01.19 (1st stage)
BG-07-2019-2020	The Future of Seas and Oceans Flagship Initiative [mentions use of GEO/GEOSS and Copernicus Marine Service as well as observation technologies]	Innovation	23.01.19
Secure, Clean and Efficient Energy			
LC-SC3-RES-28-2018-2019-2020	Market uptake support (Development of tools or services using global earth observation data, [such as those available through Copernicus], to support development and deployment of renewable energy sources)	Coordination & Support	13.02.18 + 11.12.18
Smart, Green & Integrated Transport			
MG-2-8-2019	Innovative applications of drones for safety in transport [mentions Copernicus]	Research & Innovation	16.01.19 (1st stage)



Societal Challenges Wyzwania społeczne

Działania w dziedzinie klimatu, środowisko, efektywna gospodarka zasobami i surowce

Climate action, environment, resource efficiency and raw materials

Work Programme 2018-2020:

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

Societal Challenge 5: Climate action, environment, resource efficiency and raw materials – Program Pracy 2018-2020



Cele:

- ✓ gospodarka bardziej „zielona”, wydajna surowcowo i odporna na zmiany klimatu w harmonii ze środowiskiem naturalnym
- ✓ wsparcie realizacji Celów Zrównoważonego Rozwoju ONZ oraz postanowień Porozumienia Paryskiego COP21

2 konkursy wieloletnie:



"Building a low-carbon, climate resilient future: climate action in support of the Paris Agreement"

"Greening the economy in line with the Sustainable Development Goals (SDGs)"

- Budżet na lata 2018-2020 €1.1bn
- Otwarcie konkursów 2018: **14 listopada 2018**
- Pierwszy termin składania wniosków: **19 lutego 2019**

Konkurs: "Building a low-carbon, climate resilient future: climate action in support of the Paris Agreement"



- ✓ **Decarbonisation**
 - ✓ **Climate adaptation, impacts and services**
 - ✓ ***Inter-relations between climate change, biodiversity and ecosystem services [in 2019]***
 - ✓ ***The Cryosphere [in 2019]***
 - ✓ **Knowledge gaps**
 - ✓ ***Earth observation [in 2020]***
- **Budżet na 2018: €123 million**



Konkurs: "Greening the economy in line with the Sustainable Development Goals (SDGs)"

- ✓ **Connecting economic and environmental gains - the circular economy**
- ✓ **Raw materials**
- ✓ **Water for our environment, economy and society**
- ✓ **Innovating cities for sustainability and resilience**
- ✓ **Protecting and leveraging the value of our natural and cultural assets: Earth observation; nature-based solutions, disaster risk reduction and natural capital accounting; heritage alive**

➤ **Budżet na 2018 €219.7 million**

Konkurs: "Building a low-carbon, climate resilient future: climate action in support of the Paris Agreement"

✓ Decarbonisation

LC-CLA-02-2019: Negative emissions and land-use based mitigation assessment

a) Feasibility of negative emissions for climate stabilisation

b) Land-based mitigation

RIA, 5-7 mln EUR, 19.02.2019 r. (I etap)



Konkurs: "Building a low-carbon, climate resilient future: climate action in support of the Paris Agreement"

✓ Climate adaptation, impacts and services (1)

[LC-CLA-05-2019: Human dynamics of climate change](#)

a) Climate services for Africa

b) Climate and human migration

RIA, 5-7 mln EUR, 19.02.2019 r. (I etap)



Konkurs: "Building a low-carbon, climate resilient future: climate action in support of the Paris Agreement"

- ✓ ***Inter-relations between climate change, biodiversity and ecosystem services***
- **[LC-CLA-06-2019: Inter-relations between climate change, biodiversity and ecosystem services](#)**
RIA, 5-7 mln EUR, 19.02.2019 r. (I etap)



Program Pracy 2018 - 2020

Konkurs: "Greening the economy in line with the Sustainable Development Goals (SDGs)"

✓ Raw materials (3)

- [SC5-10-2019-2020: Raw materials innovation actions: exploration and Earth observation in support of sustainable mining](#)
 - a) Services and products for the extractive industries life cycle (2019)
IA 8-13 mln EUR, termin: 19.02. 2019 (I etap)



Program Pracy 2018 - 2020

Konkurs: "Greening the economy in line with the Sustainable Development Goals (SDGs)"

✓ **Innovating cities for sustainability and resilience**

[SC5-14-2019: Visionary and integrated solutions to improve well-being and health in cities](#)

IA, 10 mln EUR, 19.02.2019 r. (I etap)



Program Pracy 2018 - 2020

Konkurs: "Greening the economy in line with the Sustainable Development Goals (SDGs)"

- ✓ **Protecting and leveraging the value of our natural and cultural assets: Earth observation;**

SC5-16-2019: Development of commercial activities and services through the use of GEOSS and Copernicus data

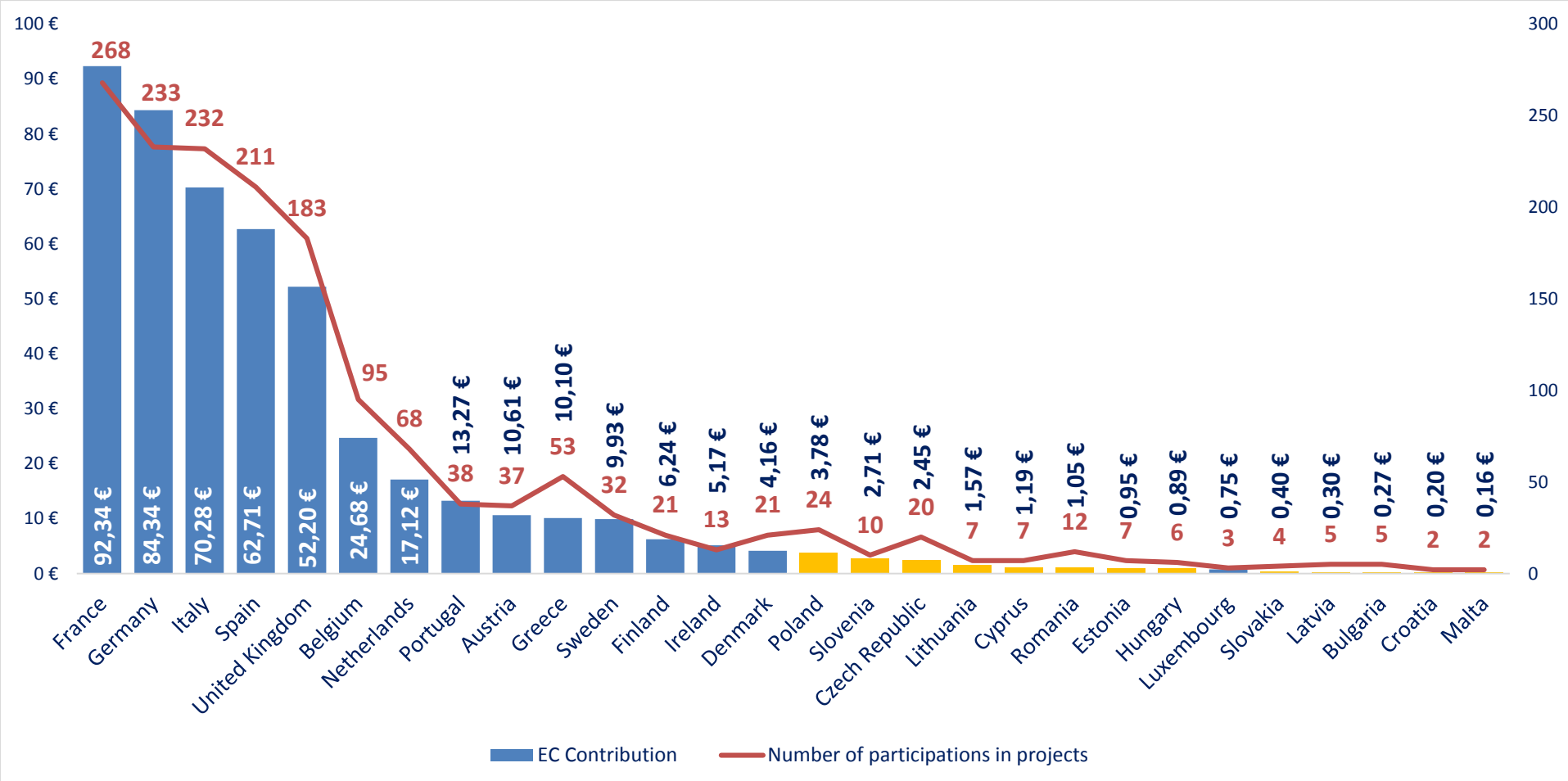
- a) **Coordination of European innovators in the domain of Earth observation (CSA)**
- b) **Designing Earth observation services and products of the future, building on GEOSS and Copernicus assets (IA)**

2-3 mln EUR, 19.02.2019 r. (I etap)



Call	Topic	Type	Deadline
Climate Action, Environment, Resource Efficiency & Raw Materials			
LC-CLA-02-2019	Negative emissions and land-use based mitigation assessment [mentions use of Copernicus]	Research & Innovation	19.02.19 (1st stage)
LC-CLA-05-2019	Human dynamics of climate change [mentions use of Copernicus and GEOSS]	Research & Innovation	19.02.19 (1st stage)
LC-CLA-06-2019	Inter-relations between climate change, biodiversity and ecosystem services [actions build upon Copernicus Service]	Research & Innovation	19.02.19 (1st stage)
SC5-10-2019-2020	Raw materials innovation actions: exploration and Earth observation in support of sustainable mining [mentions use of Copernicus , Earth observation]	Innovation	19.02.19 (1st stage)
SC5-14-2019	Visionary and integrated solutions to improve well-being and health in cities [mentions use of Copernicus and GEOSS]	Research & Innovation	19.02.19 (1st stage)
SC5-16-2019	Development of commercial activities and services through the use of GEOSS and Copernicus data	CSA & IA	19.02.19 (1st stage)

Liczba zespołów badawczych w projektach dofinansowanych przez KE oraz poziom dofinansowania KE w konkursach SPACE w H2020



Instytucje UE odpowiedzialne za obszar Przestrzeń Kosmiczna w H2020

Research Executive Agency (REA):

EO, PROTEC and COMPET calls

- Call handling, receipt of proposals, evaluation process, negotiation, grant agreements signature, receipt of reporting, reviews, payments, audits
- New Mandate for Horizon 2020 and continued implementation of FP7 Space projects

European GNSS Agency (GSA): GALILEO calls

Executive Agency for SMEs (EASME)*: SME calls

- Building on existing Executive Agency for Competitiveness and Innovation (EACI)

European Commission Directorate-General for Internal Market, Industry, Entrepreneurship and SMEs (DG GROW):

EU Space policy and Horizon 2020 Space Research

National Contact Points in EU Member States

Dodatkowe informacje

EU Space research websites:

<http://ec.europa.eu/growth/sectors/space>

http://ec.europa.eu/embrace_space

<http://www.copernicus.eu/>

<http://www.gsa.europa.eu/>

ESA website:

<http://www.esa.int/esaLP/LPgmes.html>

Participant Portal:

<http://ec.europa.eu/research/participants/portal/desktop/en/home.html>

Model Grant Agreement:

http://ec.europa.eu/research/participants/data/ref/h2020/mga/gga/h2020-mga-gga-multi_en.pdf

Annotated Model Grant Agreement:

http://ec.europa.eu/research/participants/data/ref/h2020/grants_manual/amga/h2020-amga_en.pdf

Research Enquiry Service

<http://ec.europa.eu/research/index.cfm?pg=enquiries>

COSMOS - HORIZON SPACE NCPs – service:

<http://ncp-space.net/>

Krajowy Punkt Kontaktowy Programów Badawczych UE:

ZAPRASZAMY DO KONTAKTU

KRAJOWY PUNKT KONTAKTOWY
PROGRAMÓW BADAWCZYCH UE

Instytut Podstawowych Problemów Techniki PAN

Dr Piotr Świerczyński

kom. +48 508 101 005

piotr.swierczynski@kpk.gov.pl