

Poland in Horizon 2020

Midterm reflections

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This presentation is based on materials from EC and/or Ministries and Agendas of RP





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for Research Programmes of the EU**

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The Polish NCP Organization

*Supporting research stakeholders over the
last 16 years*



- NCP for HORIZON 2020 & Euratom-Fission
- Coordinator of NCP & EURAXESS Network in Poland
- Cooperation with **EEN and Thematic Contact Points**

Network of NCP in Poland

- **NCP-PL + 11 Regional Contact Points**

Our mission: to support the participation of Polish research institutions, enterprises and organisations in the Framework Programme H2020.



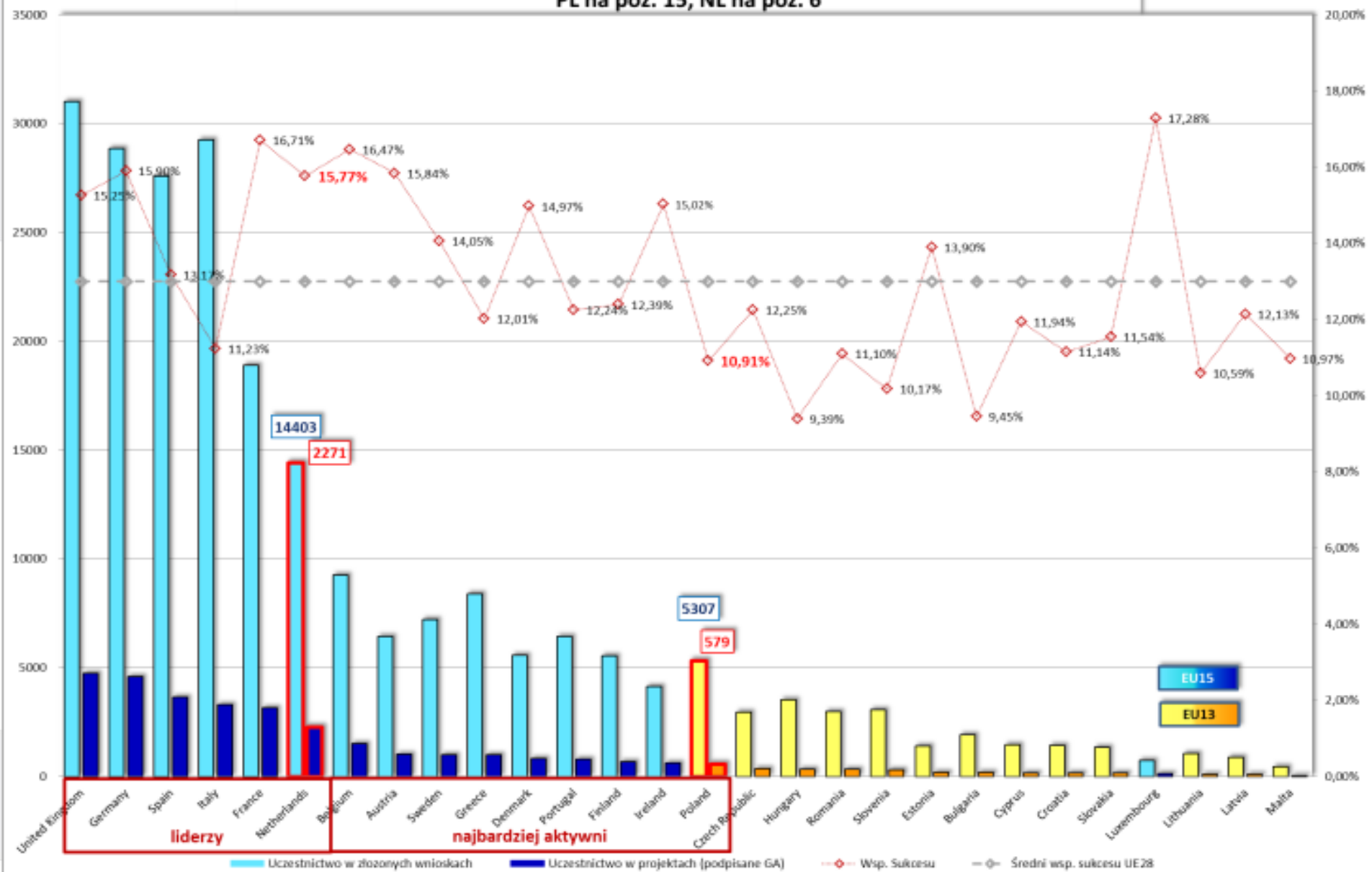
Poland in Horizon 2020 Results after 200 calls

Based on Eurostat and eCORDA database
(26.02.2016)

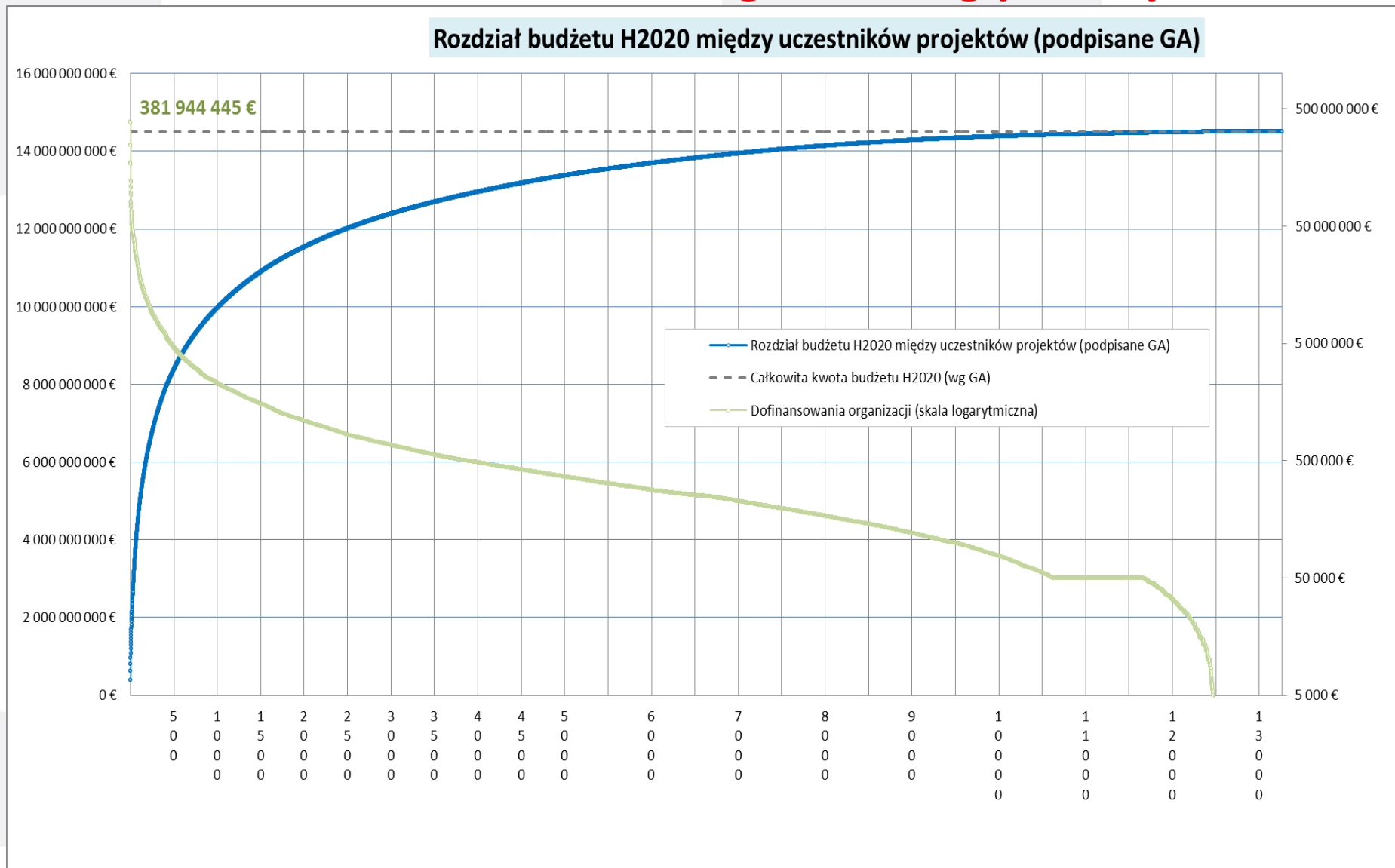


	H2020 po 200 konkursach	Liczba uczestnictw w złożonych wnioskach	Liczba uczestnictw w podpisanych umowach GA	Wskaźnik sukcesu [6/2]	Liczba organizacji (podpisane GA)	Dofinansowanie uczestników projektów (podpisane GA) [mln €]
	1	2	6	7	8	8
EU28	EU15	209 492	29 295	13,98%	10 227	12 864,56
	EU13	27 774	3 047	10,97%	1 591	678,84
	W tym Polska	5 307	579	10,91%	304	136,13
PL	Udział PL w EU28	2,24%	1,79%		2,57%	1,01%
	Udział PL w EU13	19,11%	19,00%		19,11%	20,05%
	Udział PL wśród wszystkich	2,02%	1,64%		2,29%	0,94%
Reszta Świata	Kraje stowarzyszone (7)	8 103	1 058	13,06%	432	543,34
	Kraje kandydujące (5)	4 393	469	10,68%	267	112,03
	Kraje trzecie (145)	12 743	1 496	11,74%	757	295,04
	RAZEM	262 505	35 365		13 274	14 493,81

Uczestnictwo EU28 w złożonych wnioskach i wybranych do finansowania projektach (GA) PL na poz. 15, NL na poz. 6

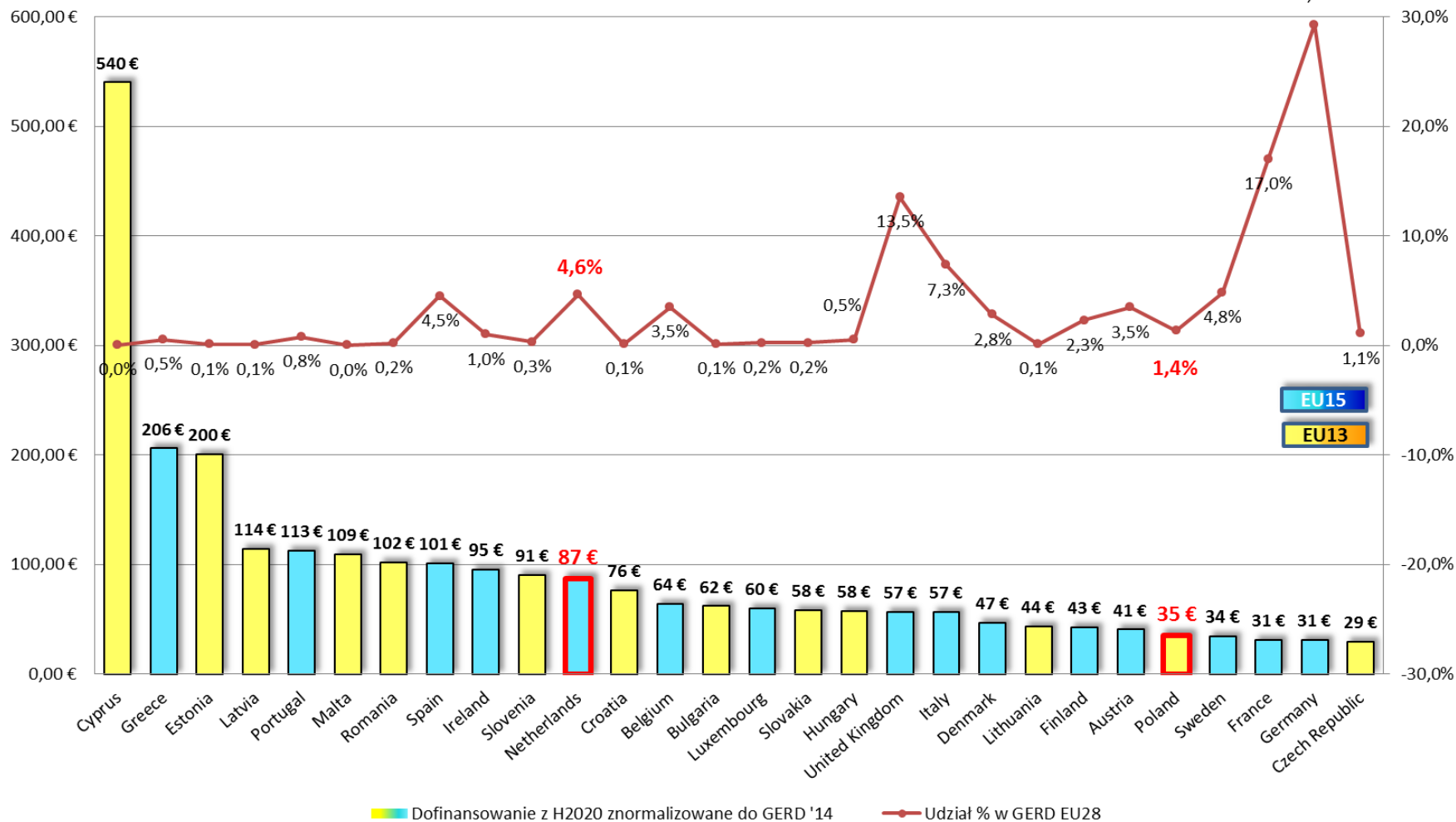


Distribution of H2020 budget among participants



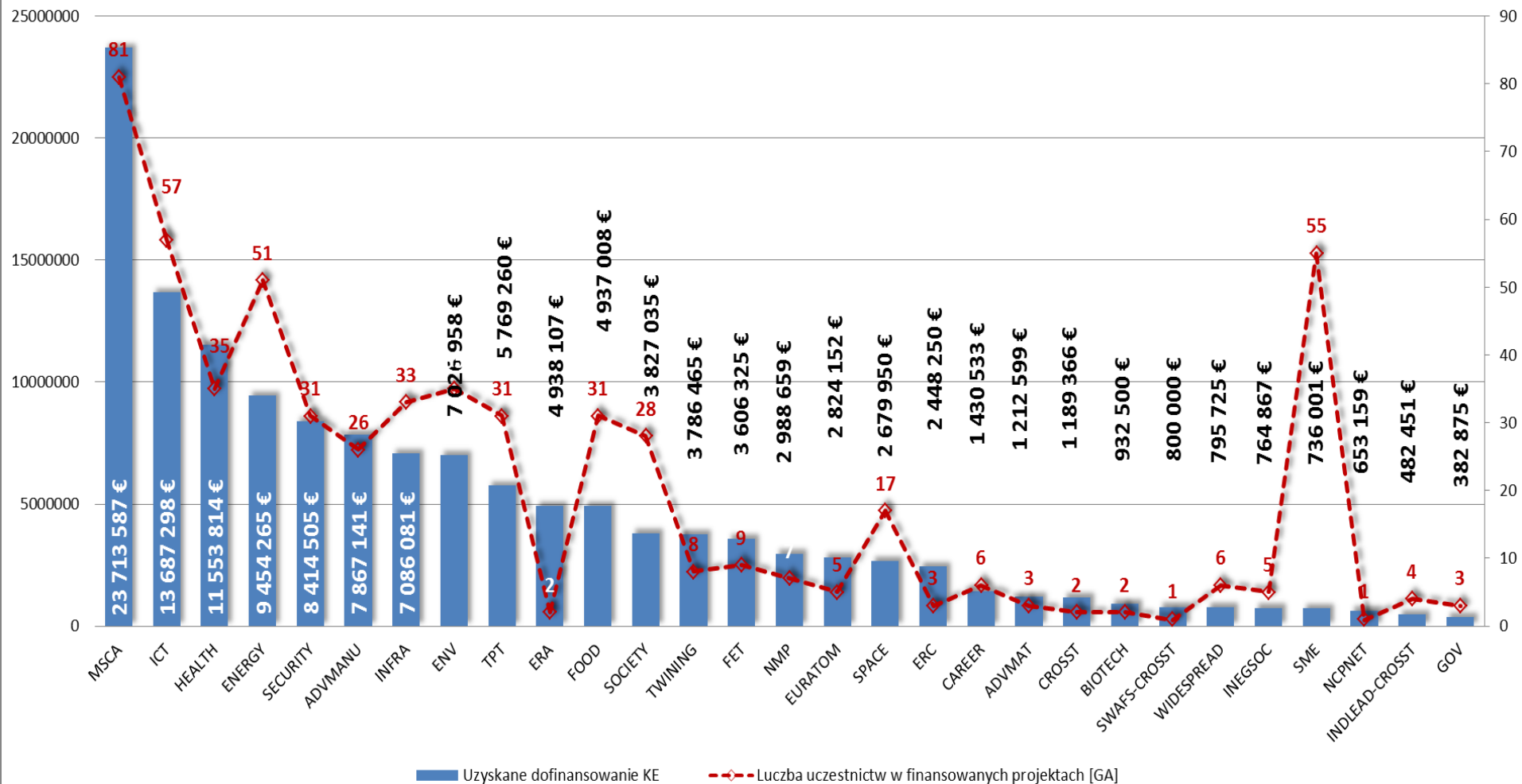
H2020 co-financing by country per 1000 € of GERD

Dofinansowanie [€] pozyskane z H2020 (GA) na 1000 € GERD



Polish H2020 participations by thematic priority

Polskie uczestnictwo w projektach H2020 [na podstawie podpisanych GA]



Polish H2020 participations by type of institution

	HES	OTH	PRC	PUB	REC	Razem
Liczba organizacji	61	21	134	20	68	304
Liczba uczestnictw	182	36	166	54	141	579

Spreading Excellence and Widening Participation

"Widening" countries -
"Low RDI performing" MSs & AC



Teaming for Excellence (Centres of Excellence)

Call 2014 - Phase 1: Business Plan for a CoE **Deadline 17/09/2014**

- **169 proposals – 19 from PL / 31 projects - 3 projects from PL**
- **12 M, avg cofin. € 430K (€11,85M budget)**
- **International Centre for Research on Innovative Biobased Materials** utworzone przez Politechnikę Łódzka, Łódzki Uniwersytet Medyczny, Uniwersytet Łódzki oraz Centrum Badań Molekularnych i Makromolekularnych PAN we współpracy z 2 instytutami Max Plancka – w obszarze nauk chemicznych i o nowoczesnych materiałach.
- **Wroclaw Center for Excellence** utworzone przez Politechnikę Wrocławską oraz Instytut Fraunhofera w Dreźnie i Uniwersytet w Wuerzburgu z Niemiec – w obszarze nowych materiałów, nanofotoniki i technologii laserowych.
- **CEZAMAT Environment** w Warszawie utworzony przez CEZAMAT PW Sp. z o.o., CEA-Tech z Francji oraz Instytut Fraunhofera – w obszarze innowacyjnych sieci czujników umożliwiających wykrywanie zagrożeń dla środowiska.

Call Teaming Phase 2 Open 15/03/2016 Deadline: 23/06/2016, budget: € 135M

Next Call Teaming Phase 1 Open 28/07/2016 Deadline: 15/11/2016, budget: € 12M

ERA Chairs

(Bringing excellence to knowledge institutions)

Call 2014: **deadline 15/10/2014**

- 88 proposals - **9 from PL** / 13 projects - **2 from PL**
- **60 M**, avg cofin. **€ 2,5M** (€31,5M budget)

Instytut Chemii Fizycznej PAN w Warszawie - **CREATE**

Instytut Uprawy Nawożenia i Gleboznawstwa Państwowy Instytut
Badawczy w Puławach – **BioEcon**

Next Call Open 12/04/2017 Deadline: 5/10/2017, budget: **€ 33,9M**

Twinning (Institutional networking)

Call 2015: deadline 7/05/2015

- 552 proposals - **62 from PL** / 65 projects - **7 from PL**
- **36 M**, avg cofin. **€ 1M** (€66,2M budget)

WARSZAWSKI UNIWERSYTET MEDYCZNY (15)

INSTYTUT POMNIK CENTRUM ZDROWIA DZIECKA (14,5)

Instytut Genetyki i Hodowli Zwierząt Polskiej Akademii Nauk (14,5)

UNIWERSYTET WARSZAWSKI (14,5)

POLITECHNIKA SLASKA (14,5)


**INSTYTUT MASZYN PRZEPLYWOWYCH IM ROBERTA SZEWALSKIEGO POLSKIEJ
AKADEMII NAUK (14)**

**PANSTWOWY INSTYTUT WETERYNARYJNY - PANSTWOWY INSTYTUT
BADAWCZY (13,5)**

Next Call Open 11/05/2017 Deadline: 15/11/2017, budget: € 20M

Last Twinning call: WP 2018-2020

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Horizon 2020 Midterm reflections

Observations (1)

- **High oversubscription** inducing low overall success rates (average below 14%, considerably lower than in FP7).
- Complex programme with **many different instruments** and competing funding schemes_(KICs vs. JTI vs. classical collaborative research; innovation instruments).
- **Focus on Innovation** (introduction of TRLs) - good participation of industry, including SMEs -processes are too slow for innovation and bureaucratic - gaps in current support for disruptive innovation and scaling up.
- **Broad challenge-based topics** generally appreciated - concerns over integration of SSH and trans-disciplinarity in general.

Observations (2)

- **Simplification** measures under Horizon 2020 contribute directly to a shorter time-to-grant.
- Improvements to the **Participants Portal - system** for handling proposals and grants without lengthy paper circuits.
- Commission no longer offers **pre-proposal checks** on questions directly related to proposal ideas (role of NCPs).
- **Proposal evaluation** needs improvements (a set of minimum standards on ESR).
- **Strong geographical/institutional concentration** of participants - EU15 represents about 90% of the funding while EU13 only less than 5% - 500 organisations won about 58% of H2020 financing.

Recommendations – EU level

- Strengthening of measures to encourage **inclusion of new partners** in H2020 (i.e.: via increasing Widening package).
- A number of smaller projects should not be decreased under H2020 - there should be an appropriate **balance between small and large** projects.
- There is a necessity to consider measures to mitigate the researcher's **remuneration gap** between “new” and “old” Member States . The idea to introduce Marie-Skłodowska-Curie system of unit costs seems to be turned down for now, but the problem still exists.
- There should be an appropriate balance between EU13 and EU15 representatives in H2020 **Advisory Groups** - the composition of Groups clearly promotes the EU15 points of view.

Recommendation – national level

National ecosystem for innovation compatible with the EU system:

- National/regional **policies in line** with EU policies (EIC...) - more effective national R&I system (Policy Support Facility).
- Development of **Polish Technology Platforms** and their involvement in European Technology Platforms.
- Continue to **foster synergies** between Horizon 2020 and Structural Funds (including the "Seal of Excellence" scheme).
- Implementation of **sectoral programmes** coupled with Joint Technology Initiatives (and other PPPs).
- Facilitate synergies between Horizon 2020 projects and relevant **smart specialisation strategies**.
- Active involvement on European level (**HLGs, AGs**, associations ...).
- Using the EU experience in **management of national programmes**.

Strategic initiatives supported by NCP-PL

- **Stairway to Excellence** - development of **Centres of Excellence**



- development of **Polish Technology Platforms**
- programming of **Structural Funds**
- development of **Regional Innovation Strategies**
- Polish Council of Research Projects **Coordinators**

Conference

**“Horizon 2020 - where we are and where we are heading.
Opportunities and challenges for Poland”**

Warsaw, 3 June 2016

Evening Gala of Crystal Brussels Award 2016

Warsaw, 2 June 2016



CONTACT

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