



General Structure of H2020 Ukrainian Association to H2020 Current Activities Ukrainian NCP Network

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Horizon 2020 Week at National University of Life and Environmental Sciences of Ukraine

Why does Europe spend money on R&I?

- Investing in R&I is essential for Europe's future: smart, sustainable, and inclusive growth.
- R&I are to improve our lives, protect our environment, and make our industry more competitive.
- Creating European Research Area (ERA): coordinate national research policies, pool research funding, avoid duplication.

*... by joining forces
across Europe*

EC Funding is not new ...

EC funding for research, development, innovation started in the 1980ies with a small funding programme.

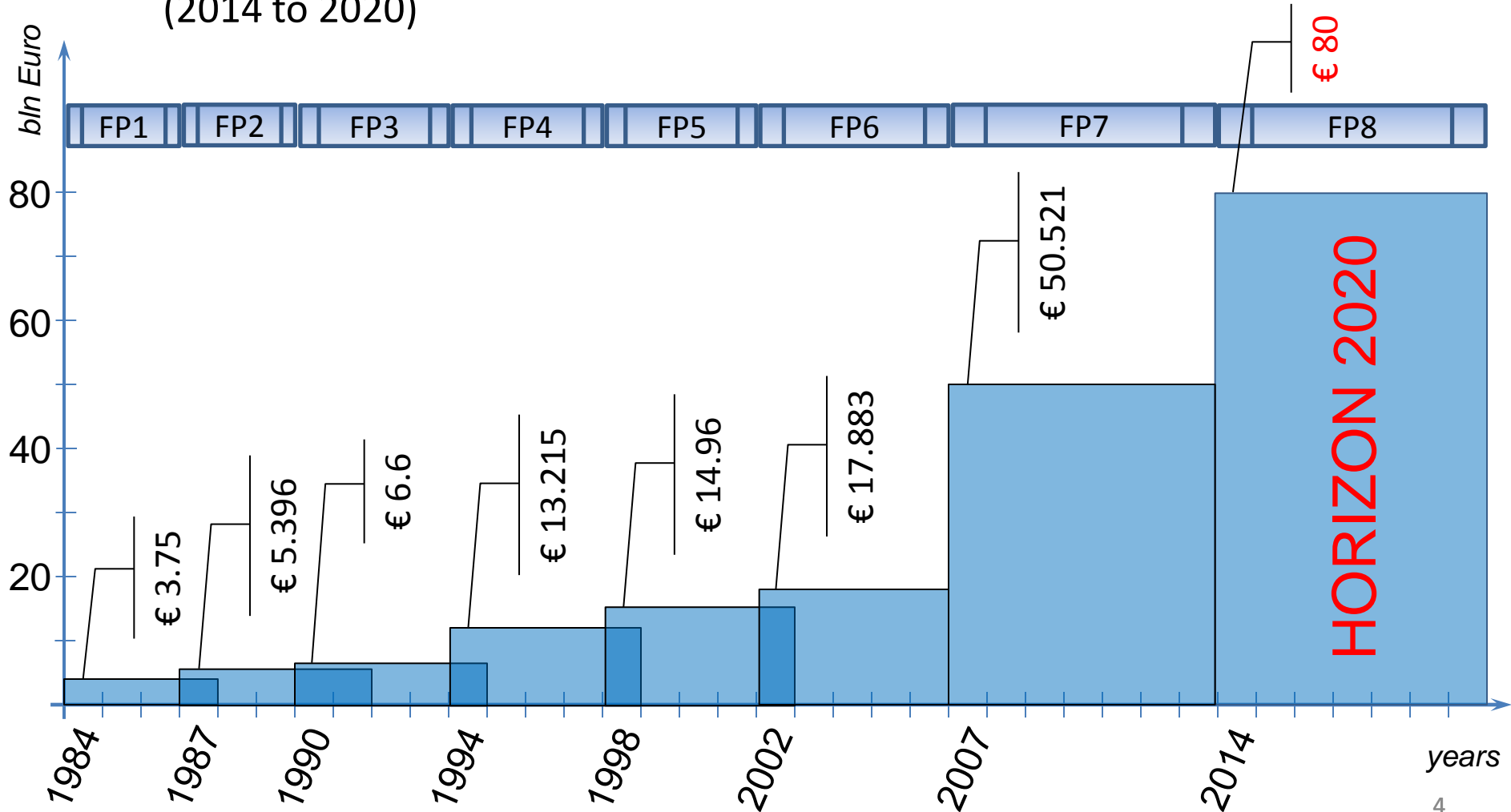
Strong European economies had their large national funding programmes for R&I – smaller countries did not.

Gradual move from national funding to European funding:

- Avoiding overlaps in R&I;
- Tying in smaller countries.

FUNDING PROGRAM Budget Development

- Horizon 2020 has nearly €80 billion Euro of funding available over 7 years (2014 to 2020)



Principles of EU R&D Activities

- Transnational collaboration
(min. 3 partners / 3 countries from MS or AC)
- Open to all: Industry, SMEs, Universities...
- Based on strategic objectives - programme oriented
- Consortia are selected by Calls for Proposals
- Innovative, based on science & technology excellence
- Competitive - competition of the best teams in EU
- Project results are the property of the participants

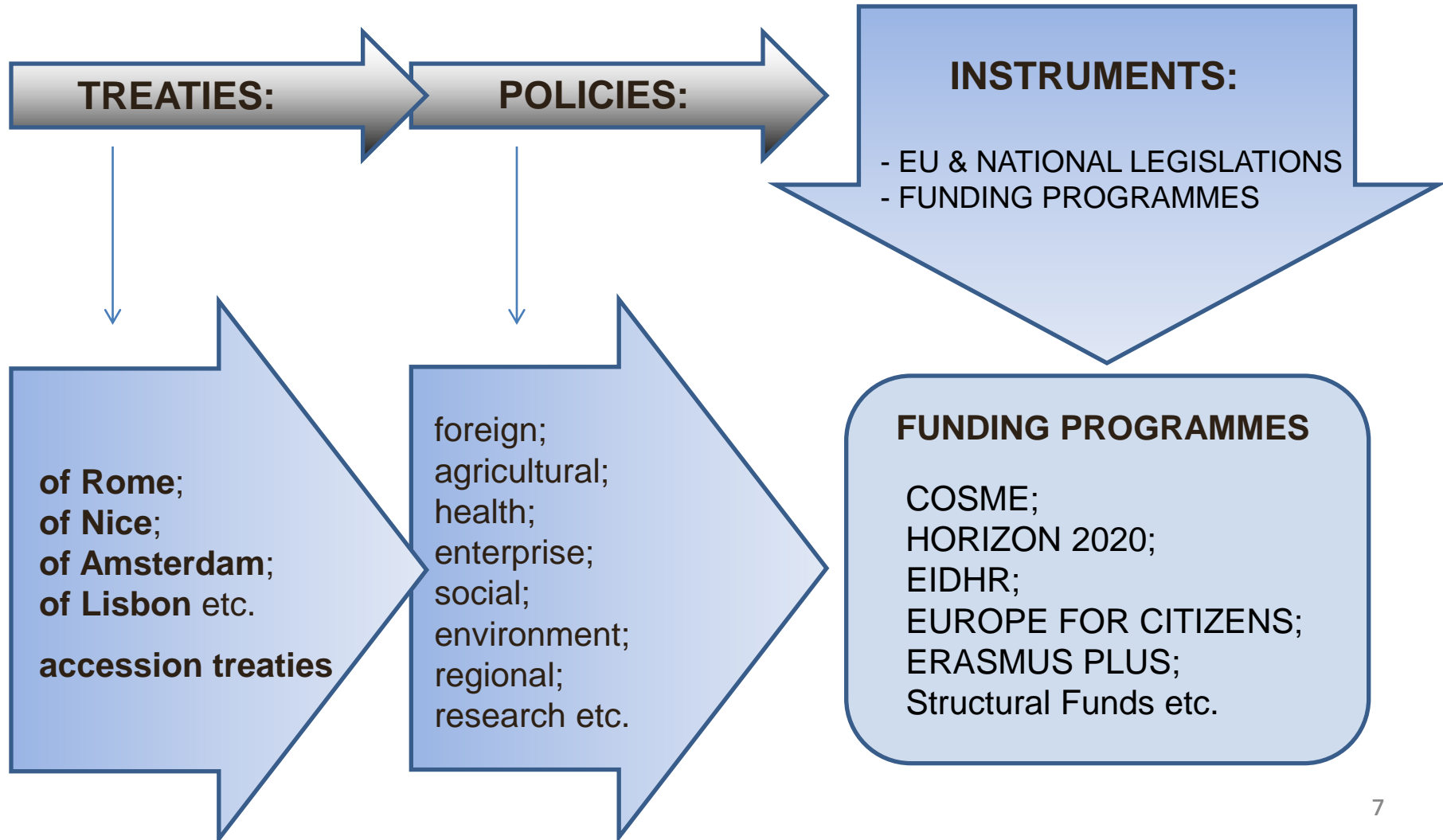
28 (27) Member States and 16 Associated Countries



Associated Countries:

- Iceland
- Norway
- Albania
- Bosnia and Herzegovina
- Macedonia
- Montenegro
- Serbia
- Turkey
- Israel
- Moldova
- Switzerland
- Faroe Islands
- **Ukraine**
- Tunisia
- Georgia
- Armenia

How EU Funding Programmes work





Ministry
of Education and Science of
Ukraine

HORIZON 2020

**Framework Programme
for
Research and Innovation**



The H2020 Structure – 3 Pillars

Leadership in Enabling and Industrial Technologies (LEIT)

ICT **24 %**
Nanotechnologies
Advanced Materials
Biotechnology
Advanced Manufacturing
& Processing
Space
The SME Instrument

Excellent Science

ERC
FET
Marie Curie
Research Infrastructures
33 %

Societal Challenges

Health and Wellbeing
Food
Energy **43 %**
Transport
Environment
Reflective Societies
Secure Societies

Spreading excellence and widening participation

Science with and for society

Cross-cutting activities (Focus Areas)

UKRAINE IN HORIZON 2020



On 20 March 2015, Carlos Moedas, European Commissioner for Research, Science and Innovation and Serhiy Kvit, Minister of Education and Science of Ukraine, signed the Horizon 2020 Association Agreement.



On 27 June 2016 Ukraine joined the Euratom Research and Training Programme. The agreement was signed in Brussels by Carlos Moedas, European Commissioner for Research, Science and Innovation, and Pavlo Klimkin, Minister of Foreign Affairs of Ukraine. The signing was in the presence of Petro Poroshenko, President of Ukraine.

Action Plan of Ukraine on participation in Horizon 2020

1. Establishment of a joint commission on the programme implementation coordination with the participation of responsible central executive authorities, NASU, etc.
2. Establishment of a structural unit responsible for implementation of Horizon 2020
3. Selection/Nomination of the Horizon 2020 Programme Committee Members
4. Supporting the Ukrainian NCPs network and its' activities
5. Setting up an Online National Horizon 2020 Portal (www.h2020.com.ua)
6. Horizon 2020 Awareness raising activities (e.g. Ongoing Information national-wide campaigns involving broader society) Peer Review of the Ukrainian Research and Innovation System
8. Adjustments of the national legal framework to European standards, improvement of R&D legislation (taxes, obligatory currency exchange, etc.)
9. Development of Science & Business partnerships
10. Involving Ukrainian scientific diaspora in Ukrainian R&D activities

Actions and Measures

on association to HORIZON 2020

I. Policy actions and support measures

- The Coordination Centre – the deliberative body, which involves the main state executive institutions and directed to solve problems and to share opportunities during implementation of Horizon 2020 Programme in Ukraine
- Establishment of NCPs network and providing procedures of NCPs financing
- The range of events on training and experience exchange for Ukrainian NCPs
- Peer Review of the Ukrainian Research and Innovation System (Horizon 2020 Policy Support Facility)
- The competitive basis for nomination of the Horizon 2020 Programme Committees Members
- Work group on Ukraine ERA Road Map

Actions and measures on association to HORIZON 2020

II. Practical current issues

- Adjustments of the national legal framework to European standards, improvement of R&D legislation (taxes, obligatory currency exchange, etc.)
- Development of international bilateral STI cooperation, based on the HORIZON-2020 priorities (International bilateral scientific calls of MESU)

III. Information support

- Horizon 2020 National Portal
- Raising awareness of society on Horizon 2020 programme (e.g. ongoing information days, seminars and trainings)
- Targeted promotion of different instruments under Horizon 2020 (SME Instrument I and II, Public Private Partnerships, Joint Technology Initiatives, etc.)
- Promotion of cooperation with COST, JRC, EIT, etc.

Priority topics of the Peer Review of the Ukrainian Research and Innovation System

- I. Optimization of available policy instruments to support the national research system**

- II. Internationalization of research and integration of Ukraine into the European Research Area**

- III. Role of science in Ukrainian innovations development**

Ukrainian Horizon 2020 NCPs Network



By the order of the MESU N251 on 19 March 2018 the Ukrainian NCPs Network was established on the base of the Universities and Academic institutions of Ukraine.

There are 38 NCPs and 5 RCPs.

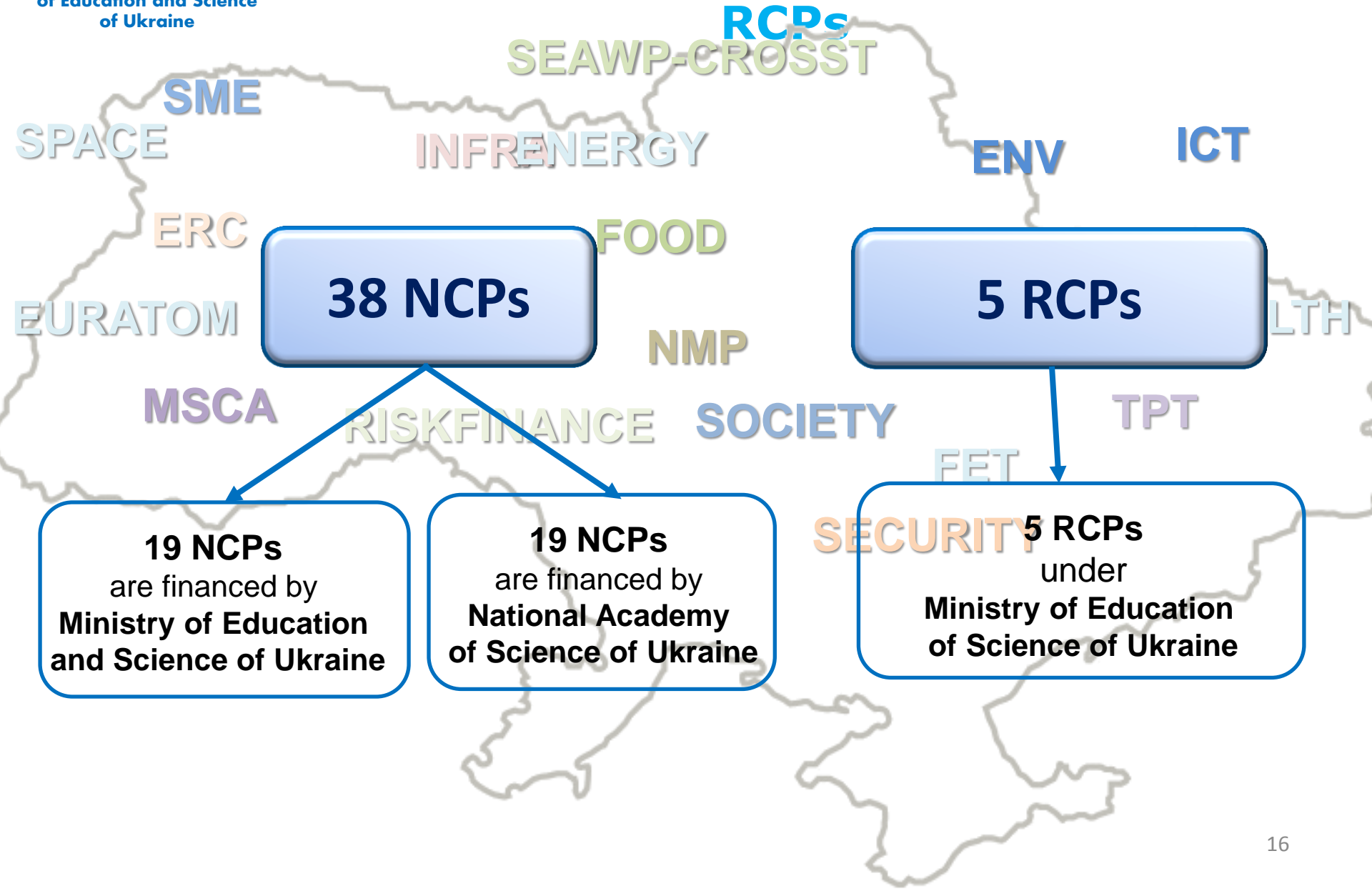
http://ec.europa.eu/research/participants/portal/desktop/en/support/national_contact_points.html

<http://h2020.com.ua/uk/мережа-нкп-україни/>



Ukrainian Horizon 2020 NCPs and

RCPs



38 NCPs

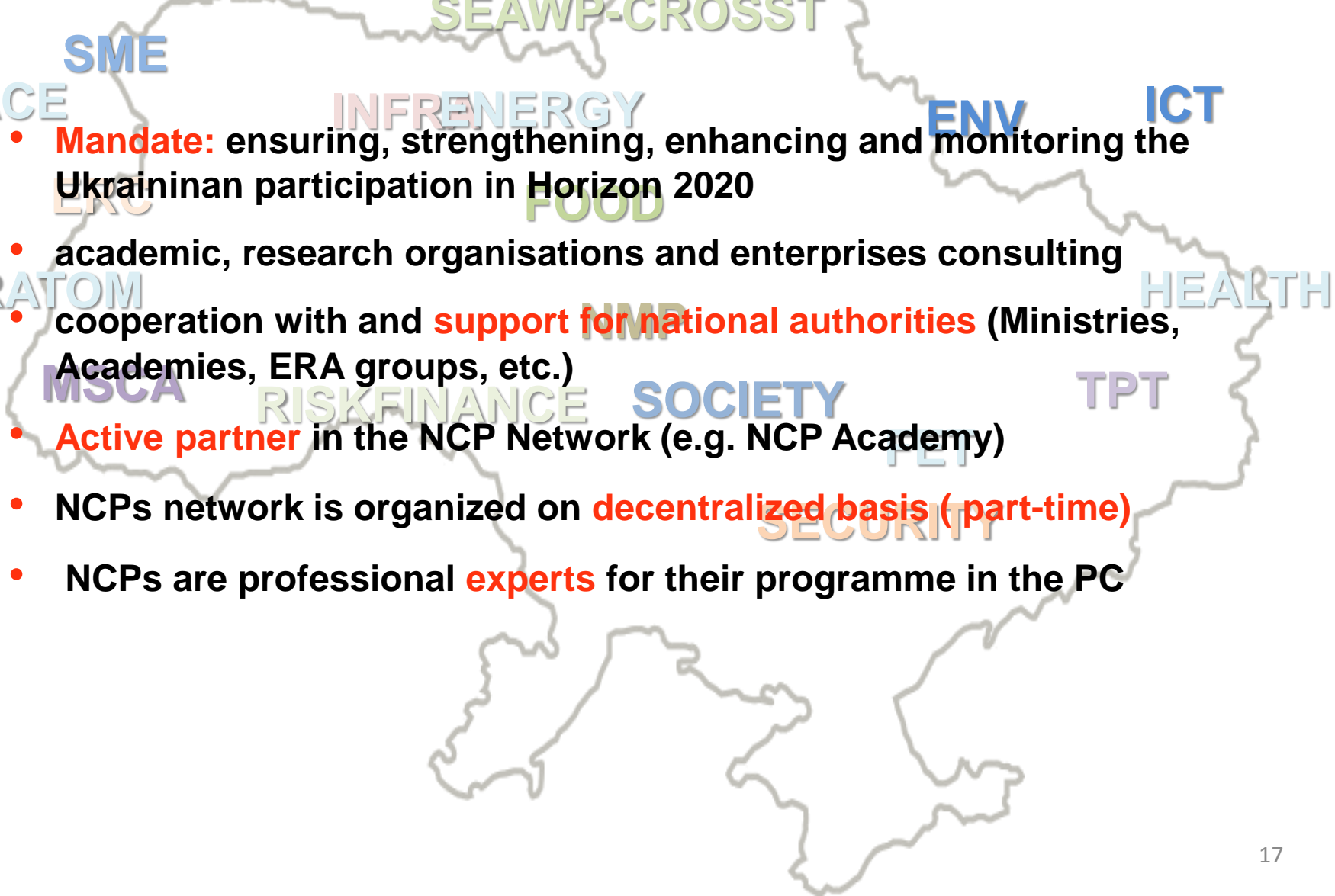
5 RCPs

19 NCPs
are financed by
**Ministry of Education
and Science of Ukraine**

19 NCPs
are financed by
**National Academy
of Science of Ukraine**

5 RCPs
under
**Ministry of Education
of Science of Ukraine**

Main objectives Ukrainian Horizon 2020 NCPs and RCPs

- 
- **Mandate:** ensuring, strengthening, enhancing and monitoring the Ukrainian participation in Horizon 2020
 - academic, research organisations and enterprises consulting
 - cooperation with and **support for national authorities** (Ministries, Academies, ERA groups, etc.)
 - **Active partner** in the NCP Network (e.g. NCP Academy)
 - NCPs network is organized on **decentralized basis (part-time)**
 - NCPs are professional **experts** for their programme in the PC



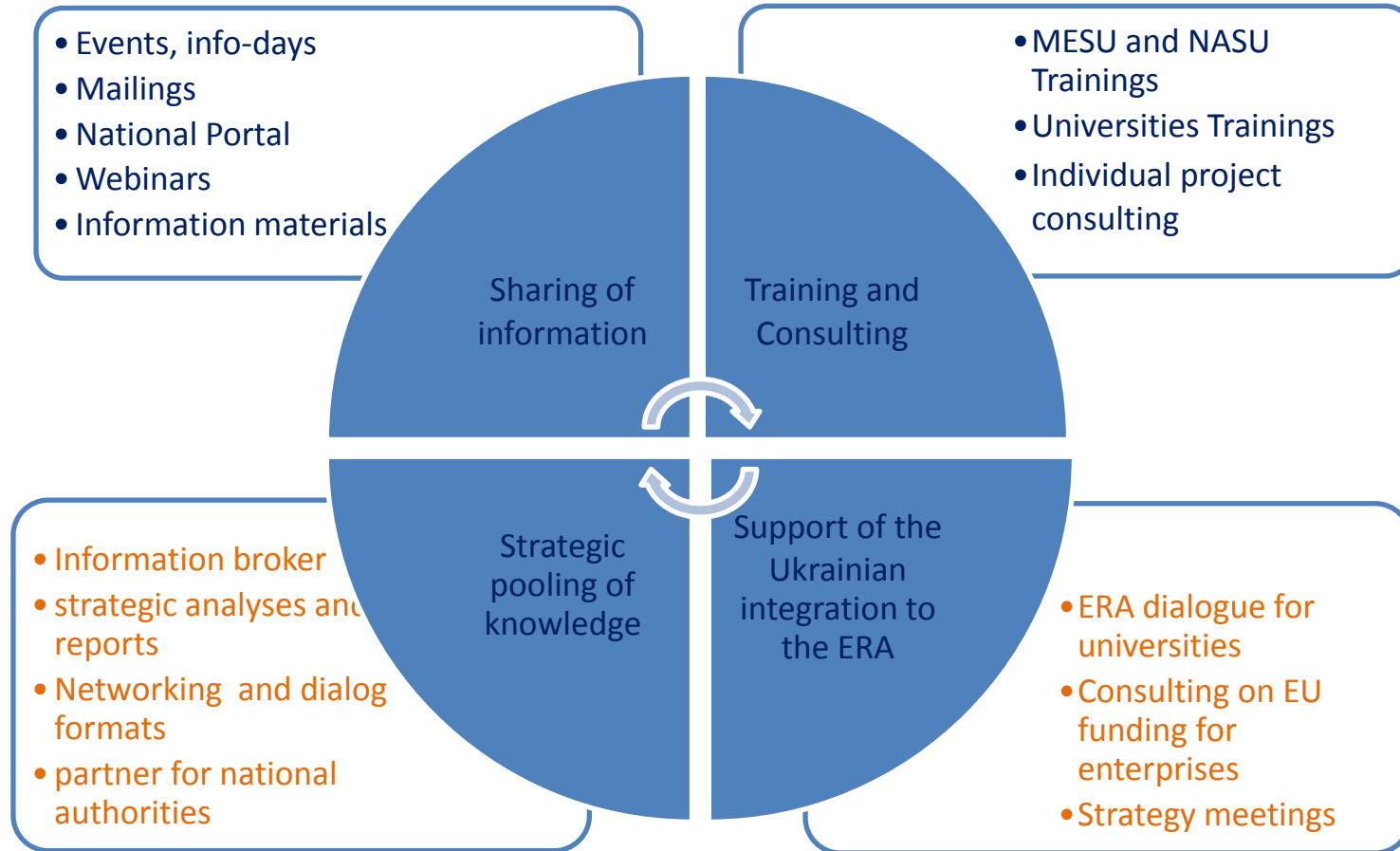
List of Ukrainian Horizon 2020 NCPs and RCPs

Ministry
of Education and Science
of Ukraine

NCP direction	NCP head	RCP head
National NCP Coordinator	Stella Shapoval	
Legal and Financial aspects	Olena Koval	
Access to Finance	Olena Koval	
Spreading Excellence and Widening Participation under Horizon 2020	Tetiana Shevtsova	
Marie Sklodowska-Curie actions on skills, training and career development	Karina Shakhbazyan	
	Oksana Krupka	
	Oleksiy Savkevych	
	Halyna Lazko	
European Research Infrastructures	Maryna Gorokhovatska	
Nanotechnologies, advanced materials and advanced manufacturing and processing	Iryna Bilan	
	Lyubomyr Nykyruy	
	Yuriy Khalavka	
Health, demographic change and wellbeing	Peter Smalko	Tetiana Bilous
	Tayisiya Symochko	
	Maksym Pogorielov	
Food security, sustainable agriculture, marine and maritime research and the bio-economy & Biotechnology	Tayisiya Symochko	
	Tetyana Stepanova	
	Liliia Kalachniuk	
Secure, clean and efficient energy	Andriy Tarelin	
	Artur Voronych	
	Roman Dychkovskiy	

NCP direction	NCP head	RCP head
Small and medium enterprises	Oleg Rubel	
	Tetiana Kotenko	
Climate action, resource efficiency and raw materials	Evgen Ogorodnyk	Liliia Kalachniuk
		Igor Shmarakov
European Research Council	Yanina Mishchuk	
	Valentyna Andrushchenko	
Inclusive, innovative and reflective societies	Nadiia Tkachuk	
Future and Emerging Technologies	Oksana Zarembo	
Smart, green and integrated transport	Mykola Dmytriev	Oleg Bondarenko
Information and Communication Technologies (ICT)	Sergiy Shukayev	Olexandr Gordeev
	Ivan Kulchytsky	
Space	Olena Kharytonova	
	Serhii Alekseenko	
Secure societies – Protecting freedom and security of Europe and its citizens	Nadiia Tkachuk	
	Oleksandr Chemerys	
Science & Society	Olga Kot	
Euratom	Oleksandr Volobuyev	

Main tasks of Ukrainian Horizon 2020 NCPs and RCPs



Horizon 2020 information promotion



The screenshot shows the 'ГОРИЗОНТ 2020. НАЦІОНАЛЬНИЙ ПОРТАЛ' (Horizon 2020 National Portal) website. The header features the Ministry of Education and Science of Ukraine logo and the text 'Міністерство освіти і науки України'. The main navigation bar includes links for 'ГОЛОВНА', 'ГОРИЗОНТ 2020', 'ПОДІЇ', 'ПІДТРИМКА', 'ІНШІ ПРОГРАМИ', 'МСП', 'КОНТАКТИ', and 'ENGLISH'. The content area displays several news items related to Horizon 2020 events and trainings, such as 'Інформаційний день та тренінг "Горизонт 2020. Інструмент для малого та середнього бізнесу"', 'Інформаційний День «Горизонт 2020. Як написати успішну пропозицію»', and 'Інформаційний день у Вінниці «Горизонт 2020: можливості співпраці України та ЄС в межах програми Horizon 2020: за тематичним»'. A sidebar on the right contains sections for 'Мова сайту' (Language), 'Важливо' (Important), 'Пошук' (Search), 'Розділи сайту' (Site sections), and 'календар подій' (Event calendar).



- Information on Events, Trainings,
Workshops
Horizon 2020 Information materials,
Manuals:
- General information
 - How to participate
 - Access to Risk financing
 - SMEs instrument
 - Project management: Budget - Costs
 - Registration: PIC, LEAR
 - Horizon 2020 Third parties
 - Marie Sklodowska-Curie Actions
 - Ethical standards. Intellectual property Rights
 - Marie Sklodowska-Curie Actions - EURAXESS
 - Partners Search
 - Participant Portal and site CORDIS



Horizon 2020 Events

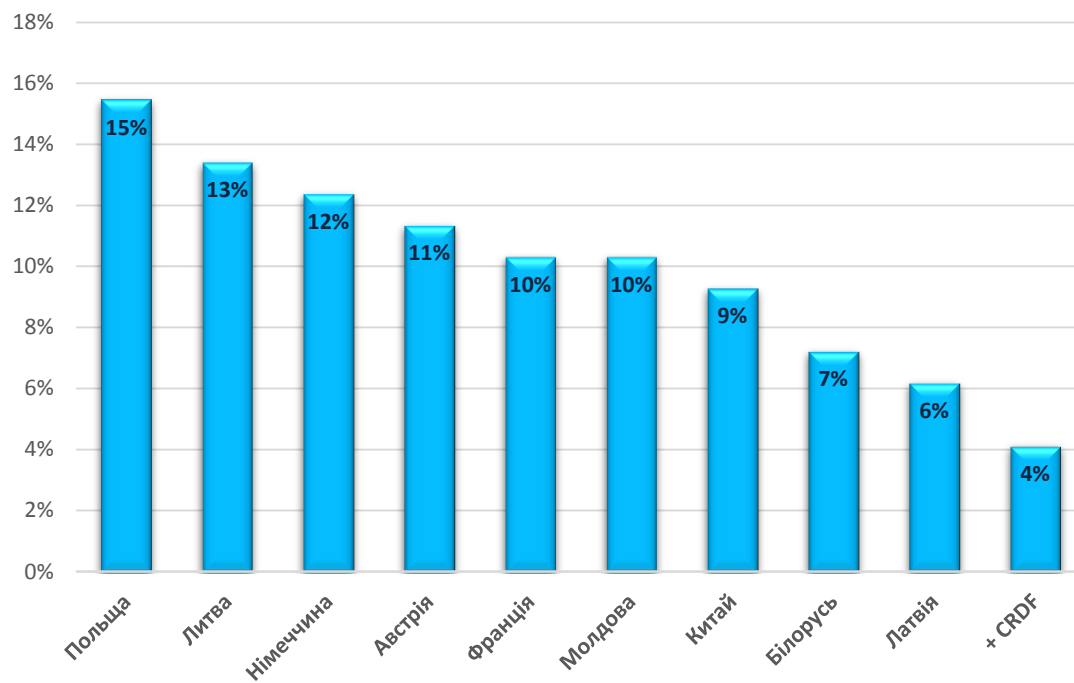
16-17/03/2016: EaP PANEL on R&I 2016 annual event “Horizon 2020 NCPs training, Kyiv

- 25/05/2016: H2020 Info-day on nanosciences, nanotechnologies, materials & new production technologies, Kyiv (RI-LINKS2UA)
- 22/06/2016: Ukraine-EU R&I Cooperation Webinar on Horizon 2020 (RI-LINKS2UA)
- 14/07/2016: Training seminar on how to write a Horizon 2020 proposal (RI-LINKS2UA)
- 14-15/09/2016: Information events on Research Cooperation between the Joint Research Centre and Ukraine, “Research and Innovation Strategies for Smart Specialisation (RIS3)”
- 05/10/2016 The European Institute of Innovation & Technology (EIT) Awareness Day in Kyiv
- 18-20/10/2016 Horizon 2020 info days on proposal writing and Project Management Issues in Lviv and Kyiv (RI-LINKS2UA)
- 7-8/12/2016 Horizon 2020 SME Instrument I and II Training (RI-LINKS2UA)
- 14/02/2017 Roundtable: Public Private Partnerships and Joint Technology Initiatives – Exploring the further development of multilateral cooperation initiatives (RI-LINKS2UA)
- 07/04/2017 H2020 Info Day at the National Technical University of Ukraine “Kyiv Polytechnic Institute” on energy and environment topics (EaP PLUS)
- 21/04/2017 Odessa MSCA Info-day
- 18/05/2017 COST Info-day (Ministry of Education and Science of Ukraine and COST Association)
- 25-28 Sep 2017 Summer School on Horizon 2020 proposal preparation and (RRI) (RI-LINKS2UA)
- 13 Nov 2017 Info Day on Advanced and Resource Materials in the context of Horizon 2020 Working Programmes 2018-2020 (at the Academy of Sciences of Ukraine)
- 15 Nov 2017 Workshop on EU Programmes for SMEs: Horizon 2020, COSME
- 21 November, 2017, Training for the MESU Staff, PAN, Warsaw, Poland (RI-LINKS2UA)
- 01 Dec 2017 Targeted workshop for Ukrainian NCPs (RI-LINKS2UA)
- 24-25, May, 2018, In-House Training, CNRS, France, (RI-LINKS2UA)
- 12-14, June, 2018 Horizon 2020 Week at National University of Life and Environmental Sciences of Ukraine (NULESU)

Ongoing research projects

Кількість двосторонніх проектів для фінансування у 2018 році

Країна	Кількість проектів для фінансування у 2018 р.
Німеччина	12
Франція	10
Австрія	11
Китай	9
Молдова	10
Білорусь	7
Латвія	6
Литва	13
Польща	15
+ CRDF	4



Всього: 97



Ministry
of Education and Science
of Ukraine

Calls for joint bilateral research project proposals



МІНІСТЕРСТВО
ОСВІТИ І НАУКИ
УКРАЇНИ

ОСВІТА

НАУКА

ЗАКОНОДАВСТВО

МІНІСТЕРСТВО

ПРЕС-ЦЕНТР

Головна → Міністерство → Діяльність → Міжнародна співпраця → Міжнародні наукові проекти → Двосторонні наукові конкурси

ДВОСТОРОННІ НАУКОВІ КОНКУРСИ



ГОЛОШЕННЯ ПРО КОНКУРС

Надрукувати

Конкурс спільних українсько-американських науково-дослідних проектів за програмою «Спільні наукові проекти»

Конкурс спільних українсько-литовських науково-дослідних проектів для реалізації у 2018 – 2019 роках

Конкурс спільних українсько-польських науково-дослідних проектів для реалізації у 2018 – 2019 роках

Короткострокові стипендії для науковців з досвідом, які співпрацюють з французькими університетськими та науковими закладами

Продовжено конкурс спільних українсько-французьких науково-дослідних проектів на період 2017 – 2018 років

Конкурс спільних українсько-німецьких науково-дослідних проектів для реалізації у 2017 – 2018 років

Конкурс спільних українсько-французьких науково-дослідних проектів на період 2017 – 2018 років

Конкурс спільних українсько-австрійських науково-дослідних проектів

Конкурс спільних українсько-молдовських науково-дослідних проектів

Конкурс спільних українсько-білоруських науково-дослідних проектів на період 2016 – 2017 років



Country	Joint call in 2018
France	Call 16 April – 18 June
Austria	Call 2 April – 31 May
Latvia	Call 15 March – 14 May
Czech Republic	Call 1 March – 30 April
India	Call 10 April – 11 June
Moldova	Call
Belarus	Call

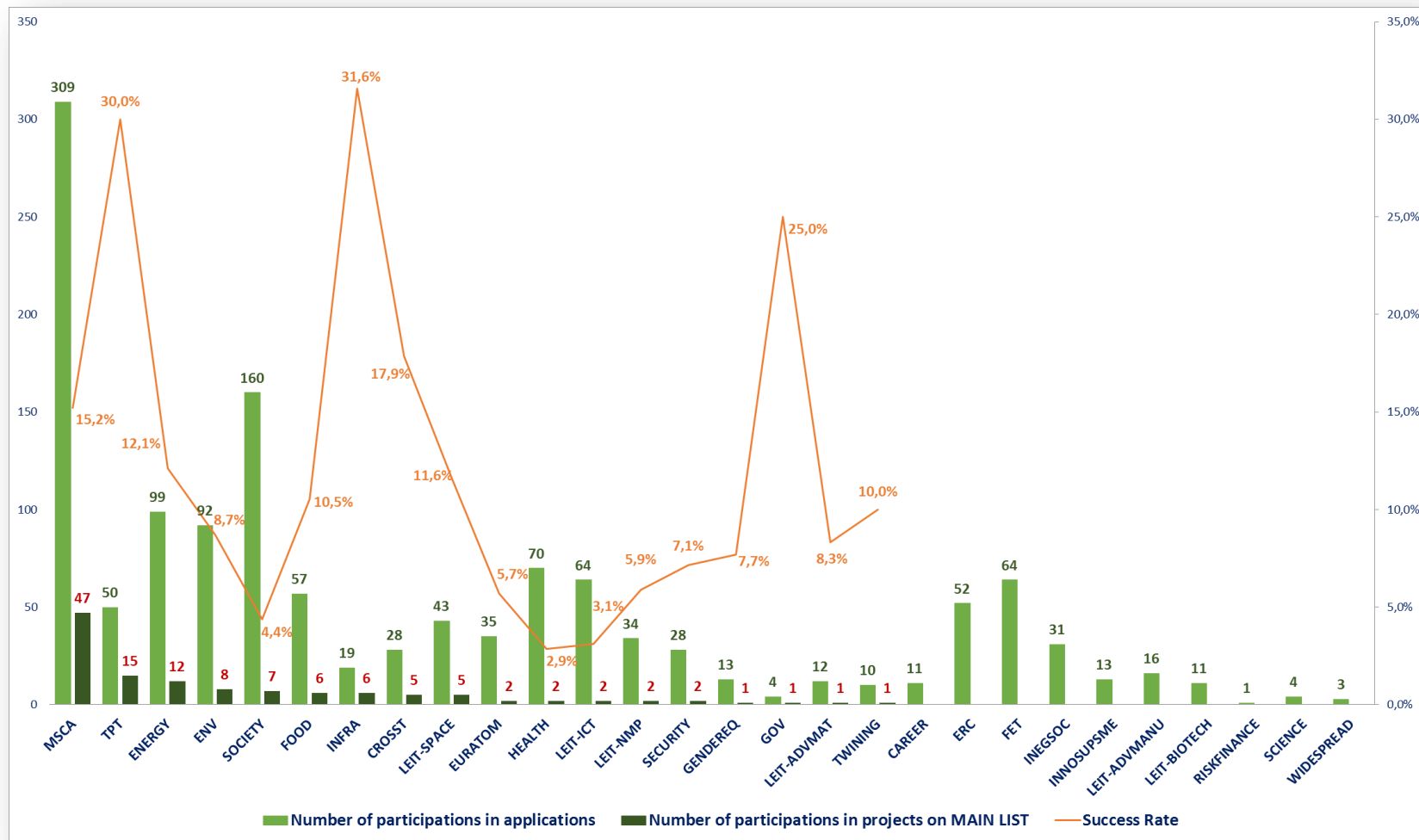
Horizon 2020 Calls Results 2014-2018 after 457 Calls

98 projects with **105** participants from Ukraine
were supported for funding and
€ 17,88 million budget were allocated to Ukraine

Success rate ~10,0%



Ukrainian participation in Horizon 2020 proposals and projects on MAIN LIST by thematic area



Analysis of Ukraine's Association

SHORIZON 2020

1. Successful experience of Ukrainian participation in FP6, FP7;
2. High level of Ukrainian STI in priority areas of H 2020;
3. High level of STI internationalization;
4. Wide net of Ukrainian STI diaspora;
5. High quality of STI

1. Unfocused STI governance;
2. Dispersed finances;
3. Outdated scientific infrastructure facilities;
4. Low salary level;
5. Over-aging of research personnel

1. Integration to ERA;
2. Access to all the instruments of H2020;
3. Participation in the Programme Committees;
4. Taking part in elaborating the Work Programmes;
5. New available instruments (SMEs, JRC, Euratom);
6. Financing STI by the EU External Actions Support

1. Budgeting risks (lack of funds);
2. Complexity of participation procedures
3. Collisions between national legislation and EU Laws



Ministry
of Education and Science
of Ukraine

Thank you for your attention!