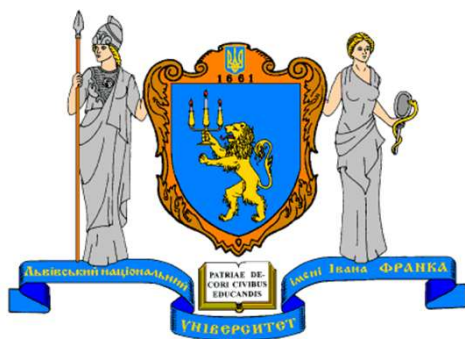




**НАЦІОНАЛЬНИЙ КОНТАКТНИЙ ПУНКТ**

**Рамкової програми Європейського Союзу  
з досліджень та інновацій**

**«ГОРИЗОНТ 2020»**



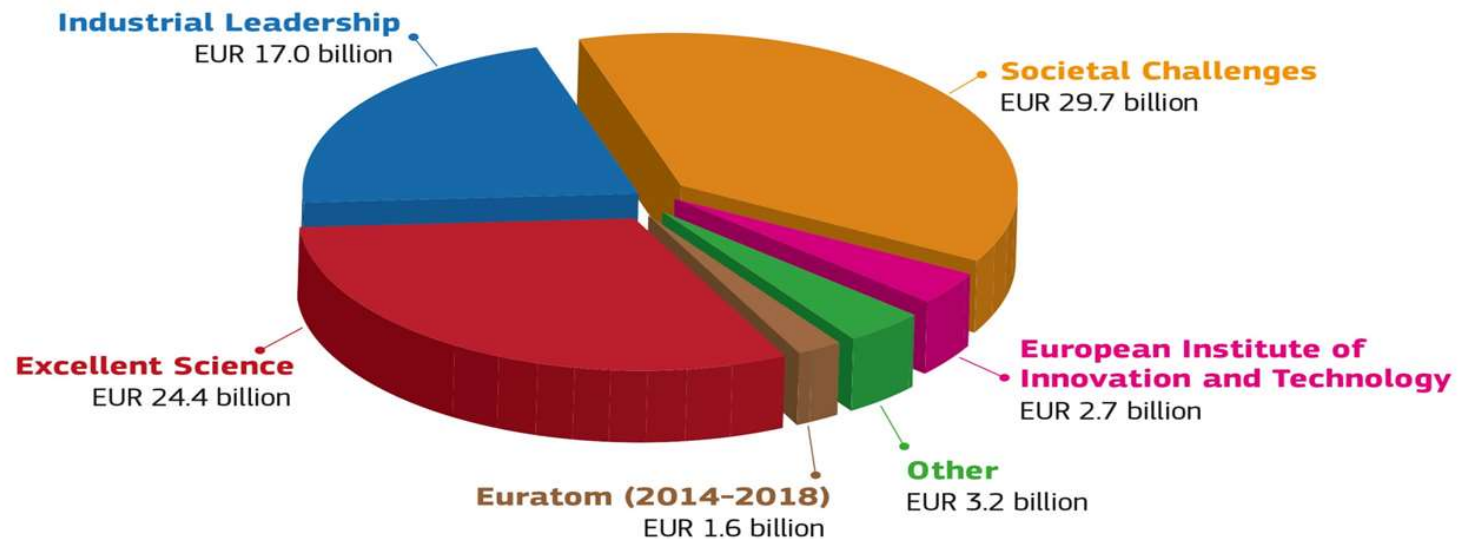
**Львівський національний університет  
імені Івана Франка**

*Заремба Оксана*



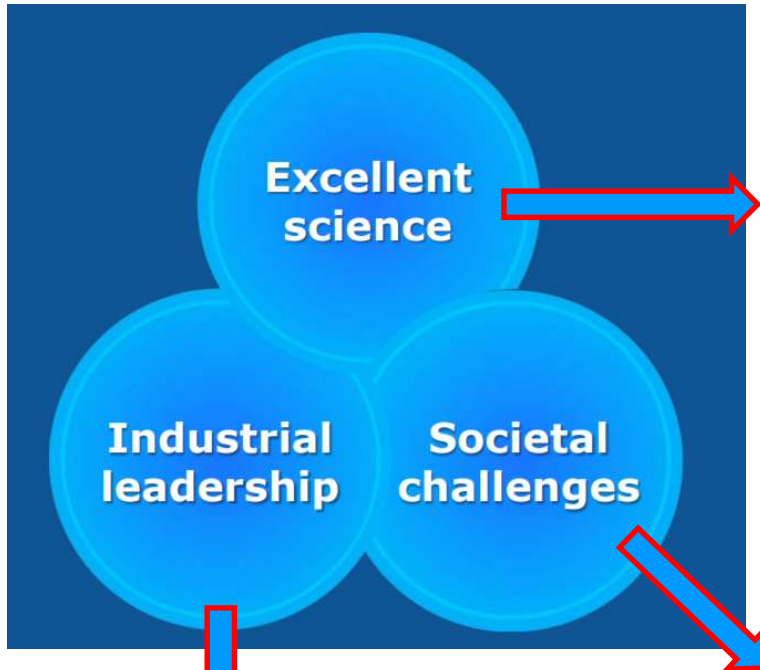
Найбільша програма Європейського Союзу з **фінансування науки та інновацій** з загальним бюджетом близько **80 млрд. євро, 2014-2020 рр.**

**Україна – асоційований член програми з 2015 року**



**HORIZON EUROPE (2021-2027) з бюджетом ~ 100 млрд. євро**

# Пріоритетні напрями



# Тематичні напрями

- ▶ European Research Council
  - ▶ Future and Emerging Technologies
  - ▶ Marie Skłodowska-Curie actions
  - ▶ Research Infrastructures, including e-Infrastructures
- 
- ▶ Health, Demographic Change and Wellbeing
  - ▶ Food Security, Sustainable Agriculture and Forestry, Marine, Maritime and Inland Water Research and the Bioeconomy
  - ▶ Secure, Clean and Efficient Energy
  - ▶ Smart, Green and Integrated Transport
  - ▶ Climate Action, Environment, Resource Efficiency and Raw Materials
  - ▶ Europe in a changing world - Inclusive, innovative and reflective societies
  - ▶ Secure societies – Protecting freedom and security of Europe and its citizens

- ▶ Leadership in Enabling and Industrial Technologies
  - ▶ Nanotechnologies, Advanced Materials, Advanced Manufacturing and Processing, and Biotechnology
  - ▶ Information and Communication Technologies
  - ▶ Space
- ▶ Access to risk finance
- ▶ Innovation in SMEs



# Future and emerging technologies (FET)

*(Майбутні і нові технології)*

## • FET Open

*(відкритого типу)*



Фінансує проекти на нові ідеї для принципово нових технологій майбутнього, які зараз тільки розробляються

## • FET Proactive

*(проактивні)*



Має сприяти створенню нових наукових спільнот шляхом залучення дослідників з різних дисциплін для їхньої спільної роботи над новими технологіями

## • FET Flagships

*(флагмани)*



Це великомасштабні довгострокові науково-дослідні ініціативи для вирішення грандіозних наукових і технологічних завдань **Графен і Проект дослідження людського мозку** (новий проект по Квантових технологіях)

# Inclusive, innovative and reflective societies (IIRS)

*(Інклюзивні, інноваційні та розумні суспільства)*

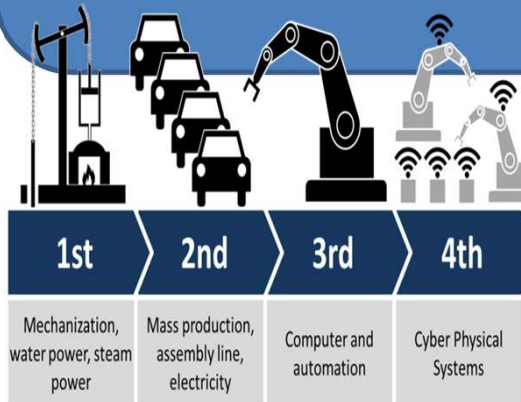
## • MIGRATION

*(Міграція)*



## • SOCIOECONOMIC AND CULTURAL TRANSFORMATIONS IN THE CONTEXT OF THE FOURTH INDUSTRIAL REVOLUTION

*(Соціально-економічні та культурні перетворення в контексті четвертої промислової революції)*



## • GOVERNANCE FOR THE FUTURE

*(Управління майбутнього)*



# Мережа НКП в Україні

Національний портал <https://h2020.com.ua/uk>

← → ↻ 🏠 h2020.com.ua/uk/ ☆ ⚙️ 🔔 ⋮

Нова панка samsung NOD32 avto погода FIN HELSI Гуртом — торрент... Оригінальний но... MEGOGO.NET

MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE

ГОРИЗОНТ 2020. НАЦІОНАЛЬНИЙ ПОРТАЛ

HORIZON 2020

ГОЛОВНА ГОРИЗОНТ 2020 HORIZON EUROPE ПІДТРИМКА **МСП** **МЕРЕЖА НКП** КОНТАКТИ ENGLISH

**ІНФОРМАЦІЙНИЙ ВЕБІНАР «HORIZON2020 - HORIZON EUROPE: ПІДСУМКИ ТА ОЧІКУВАННЯ»**

🕒 26.10.2020 🗨️ 0

Національний контактний пункт Рамкової програми Європейського Союзу з досліджень та інновацій "Horizon 2020" за тематичними напрямками "Майбутні і новітні технології" (Future and Emerging Technologies) та [...]

**МОВА САЙТУ**

🇺🇦 Українська 🇺🇸 English

**ВАЖЛИВО**

Без рубрики

Новини

Повідомлення НКП

https://h2020.com.ua/uk/карта-осередкіє/

**ВЕБІНАР «ДОСТУПНІ ГРАНТОРИ**

# Мережа НКП в Україні

## National NCP Coordinator



16 Shevchenko Blvd., Kyiv, Ukraine, 01601

**Vitalii Cherniuk**

Ministry of Education and Science of Ukraine

Tel.: +38 044 287 8261

e-mail: [cherniuk@mon.gov.ua](mailto:cherniuk@mon.gov.ua)

Directions



## Legal and Financial aspects, Access to Finance



180 Antonovycha St., Room 801, Kyiv, Ukraine, 03680

**Olena Koval**

National Information Center for Ukraine-EU S&T cooperation

Tel./fax: +38 044 529 03 32

E-mail: [nip@fp7-ncp.kiev.ua](mailto:nip@fp7-ncp.kiev.ua), [o.koval@h2020.com.ua](mailto:o.koval@h2020.com.ua)

Directions

h2020.com.ua/uk/карта-осередків/#map1

samsung NOD32 avto погода FIN HELSI Гуртом — торрент... Оригінальний но...

Directions

## Future and Emerging Technologies



1 Universytetska St., Lviv, Ukraine, 79000

**Oksana Zaremba**

Ivan Franko National University of Lviv

Tel.: +380934846131

E-mail: [oksanazaremba@gmail.com](mailto:oksanazaremba@gmail.com)

Directions



## Smart, green and integrated transport



1 Suvorova St., Kyiv, Ukraine, 01010

**Mykola Dmytriv**

National Transport University

Tel.: +38044-280-84-48

E-mail: [ntu.dnn327@ukr.net](mailto:ntu.dnn327@ukr.net)



2014-2015  
2016-2017  
2018-2020

# РОБОЧА ПРОГРАМА

містить інформацію  
про конкурси (*calls*):

- тематику конкурсів  
*topics*
- терміни подачі  
*dates, deadlines*
- фінансові аспекти  
*budget*



EN

Horizon 2020

**Work Programme 2018-2020**

**2. Future and Emerging Technologies**

**IMPORTANT NOTICE ON THIS WORK PROGRAMME**

This Work Programme covers 2018, 2019 and 2020. The parts of the Work Programme that relate to 2020 (topics, dates, budget) have, with this revised version, been updated. The changes relating to this revised part are explained on the Funding & Tenders Portal.

*(European Commission Decision C(2020)6320 of 17 September 2020)*



<https://ec.europa.eu/programmes/horizon2020/en>

Horizon 2020

Home | What is Horizon 2020? | Find Your area | How to Get funding? | News, Events & Publications | Projects | The next Framework Programme

**What is Horizon 2020?**

**Find Your area**

**Horizon 2020 Programme**



**How to Get funding?**

**HORIZON 2020 in full swing**  
Three years on  
KEY FACTS AND FIGURES 2014-2016

**Horizon 2020 in full swing - Three years on**  
The brochure "Horizon 2020 In Full Swing - Three Years On - Key facts and figures 2014-2016" provides a snapshot of the programme's main achievements, taking into account more than 300 calls for proposals

**Project Stories**

**Multimedia & Publications**

Follow us:  

**#H2020**

**#H2020**

**Latest news and events**

2019 EU Prize for Women Innovators: Commission awards four outstanding entrepreneurs  
Date: 16/05/2019  
Commissioner for Research, Science and Innovation Carlos Moedas announced today at the VivaTech conference in Paris the four winners of the 2019 EU Prize for Women Innovators. [Read more](#)

Launch of the European Black Sea Strategic Research and Innovation Agenda

### What is Horizon 2020?

What is a Work Programme?

Horizon 2020 programme sections

Experts

Official Documents

Evaluations and monitoring

History

Horizon 2020 statistics



Find Your area

## Horizon 2020 sections

Work programme general introduction, including focus area

### Excellent Science

European Research Council

Future and Emerging Technologies

FET Open

FET Proactive

FET Flagships

Marie Skłodowska-Curie actions

Research Infrastructures, including e-Infrastructures

### Industrial Leadership

Leadership in Enabling and Industrial Technologies

Nanotechnologies, Advanced Materials, Advanced Manufacturing and Processing, and Biotechnology

Information and Communication Technologies

Space

Access to risk finance

Innovation in SMEs

### Societal Challenges

Health, Demographic Change and Wellbeing

Food Security, Sustainable Agriculture and Forestry, Marine, Maritime and Inland Water Research and the Bioeconomy

Secure, Clean and Efficient Energy

Smart, Green and Integrated Transport

Climate Action, Environment, Resource Efficiency and Raw Materials

Europe in a changing world - Inclusive, innovative and reflective societies

Secure societies - Protecting freedom and security of Europe and its citizens

Sections navigation

Excellent Science

Future and Emerging Technologies

FET Proactive

FET Open

FET Flagships



Find Your area

## Future and Emerging Technologies

Article Newsroom

Future and Emerging Technologies (FET) go beyond what is known! Visionary thinking can open up promising avenues towards powerful new technologies.



The visionary aspects and exploratory characteristics of FET might make it sound like a kind of magic, but the mission of FET is actually very concrete: to turn Europe's excellent science base into a competitive advantage.

### Overview of H2020 FET projects related to:

- arts and science
- biotechnologies
- data analysis and FET promotion
- Global System Science
- green technologies
- medical and neuro-technologies
- nanotechnologies
- quantum technologies
- robotics
- technologies with new materials

Country map participation.

### FET Newsletters

- Subscribe
- FET Newsletters: Present & Past (pdf)

Updated (draft) Work Programme 2018-2020

Work Programme 2018 - 2020

Work Programme 2016 - 2017

Work Programme 2014 - 2015

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/programmes/h2020>

# Портал учасників Participant Portal

The screenshot shows the 'Funding & tender opportunities' portal for the Horizon 2020 Framework Programme. The page includes a navigation menu with options like 'SEARCH FUNDING & TENDERS', 'HOW TO PARTICIPATE', 'PROJECTS & RESULTS', 'WORK AS AN EXPERT', and 'SUPPORT'. A prominent banner for 'Horizon 2020 Framework Programme (H2020)' is visible. Below this, there are two informational boxes: one about the COVID-19 outbreak and another about service availability. The main content area features a 'Horizon 2020 Research & Innovation' logo and a list of links: 'Find calls for proposals', 'Projects & Results', 'SME Participations', 'Financial Capacity Assessment', and 'What's new'. At the bottom, a search bar is present with the text 'Find calls for proposals in Horizon 2020' circled in red. A small warning message at the bottom right states: 'Calls for Tenders are not available when you have selected a programme. See all calls for tenders published by EC.'

FET

Match whole words only

GRANTS  TENDERS

Submission status

Forthcoming  Open for submission  Closed(28)

Programming period

2014 - 2020 (28)

H2020

Programme part

Select a Programme part...

## Funding and tenders (28)

[Need help?](#) Sort by: Submission status

See all calls for tenders published by EC

Grant **FET Flagship on Quantum Technologies**

Closed

Programme	Horizon 2020 Framework Programme	Deadline model	single-stage
ID	FETFLAG-03-2018	Opening date	31 October 2017
Types of action	Coordination and support action, Research and Innovation action	Deadline date	20 February 2018 17:00:00 Brussels time

Grant **Preparatory Actions for new FET Flagships**

Closed

Programme	Horizon 2020 Framework Programme	Deadline model	two-stage
ID	FETFLAG-01-2018	Opening date	31 October 2017
Types of action	Coordination and support action	First stage deadline	20 February 2018 17:00:00 Brussels time
		Second stage deadline	18 September 2018 17:00:00 Brussels time

# FET Flagship on Quantum Technologies

TOPIC ID: FETFLAG-03-2018

Grant

## General information

Topic updates

Topic description

Conditions and documents

Submission service

Topic related FAQ

Get support

Call information

Call updates

## General information

Programme

[Horizon 2020 Framework Programme](#)

Work programme part

[Future and Emerging Technologies](#)

Call

[FET FLAGSHIPS – Tackling grand interdisciplinary science and technology challenges \(H2020-FETFLAG-2018-2020\)](#)

Work programme year

H2020-2018-2020

 See budget overview

Type of action

RIA Research and Innovation action, CSA Coordination and support action

Closed

Deadline model

single-stage

Opening date

31 October 2017

Deadline date

20 February 2018 17:00:00 Brussels time

**General information**

- Topic updates
- Topic description
- Conditions and documents
- Submission service
- Topic related FAQ
- Get support
- Call information
- Call updates
- Funded project list

[Go back to search results](#)

---

**Topic updates**

**Feb 26, 2018 10:13:41 AM**

**A total of 141 proposals have been submitted in response to this call.**

1 CSA & 140 RIAs as specified per sub-topic below:

- a. Quantum Communication 12
- b. Quantum Computing System 10
- c. Quantum Simulation 7
- d. Quantum Metrology and Sensing 24
- e. Fundamental Science 87

[show more...](#)

---

**Topic description**

Specific Challenge:

To build a strongly networked European Quantum Technologies (QT) community around the common goals defined in the Strategic Research Agenda<sup>[1]</sup>. To create the European ecosystem that will deliver the knowledge, technologies and open research infrastructures and testbeds necessary for the development of a world-leading knowledge-based industry in Europe, leading to long-term economic, scientific and societal benefits. To move advanced quantum technologies from the laboratory to industry with concrete prototype applications and marketable products while advancing at the same time the fundamental science basis, in order to continuously identify new applications and find better solutions for solving outstanding scientific or technology challenges.

Scope:

[show more...](#)

---

Windows taskbar: 8:39 27.10.2020

General information

show more...

Topic updates

Topic description

Conditions and documents

Submission service

Topic related FAQ

Get support

Call information

Call updates

Funded project list

 Go back to search results

## Start submission

No submission system is open for this topic.

 Need help?

## Topic related FAQ

 **Under call H2020-FETFLAG-2018-2020, topic FETFLAG-03-2018, can a partner from outside the EU (and associated countries - AC) participate in the call?**

Countries that are not Member States of the European Union or countries associated to Horizon 2020 (international partners) are allowed to participate in the action. But they are usu...

 1 10

## Get support

Please read carefully all provisions below before the preparation of your application.

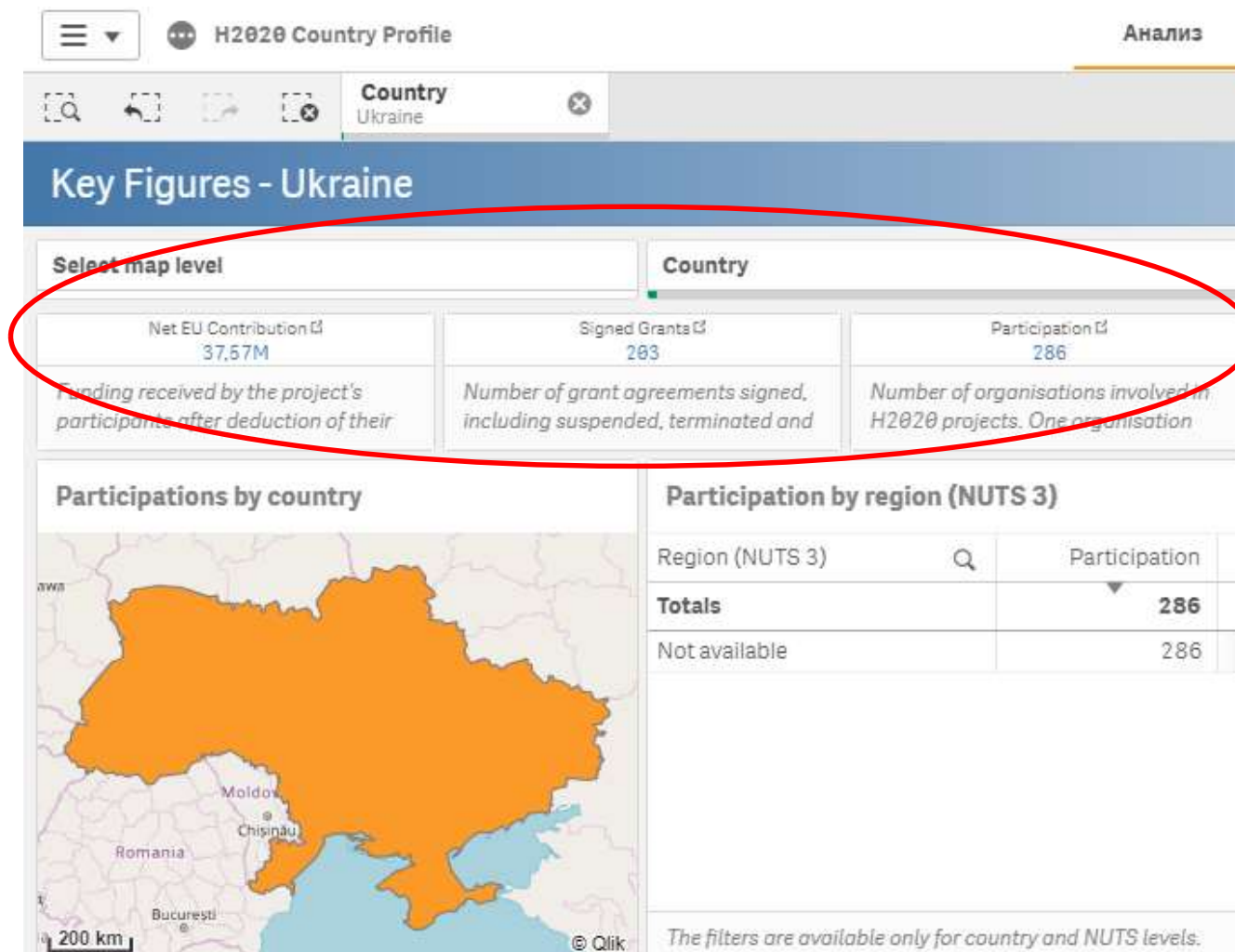
**H2020 Online Manual** is your guide on the procedures from proposal submission to managing your grant.

**Participant Portal FAQ - Submission of proposals**

# Україна в Горизонт 2020

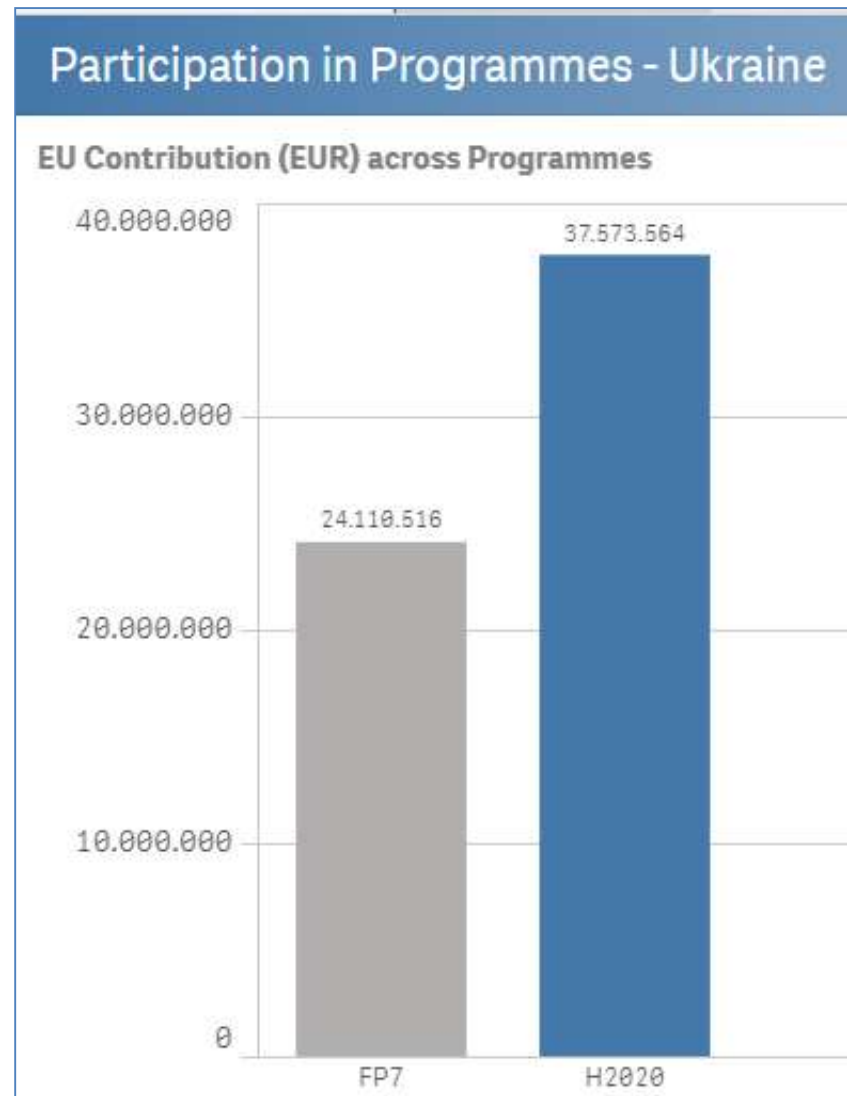
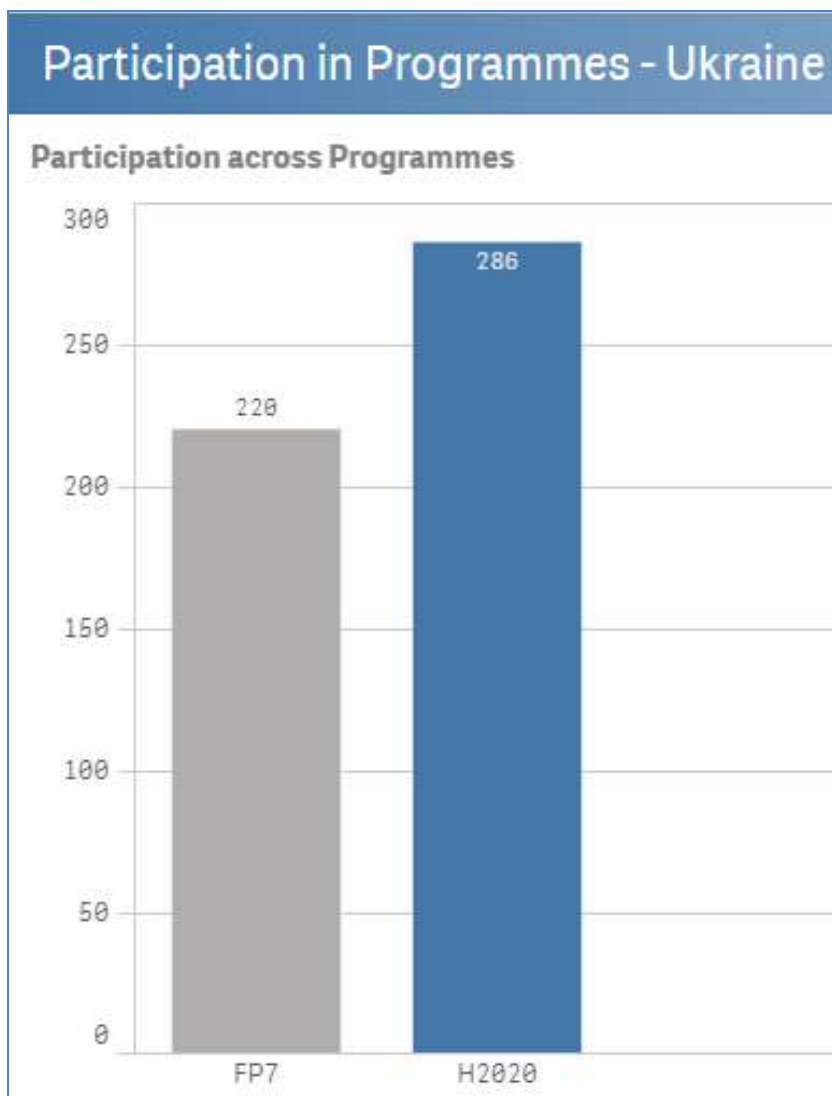
<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/horizon-dashboard>

станом на 22 листопада 2020





## Україна в Горизонт 2020



# Україна в Горизонт 2020

Country: Ukraine

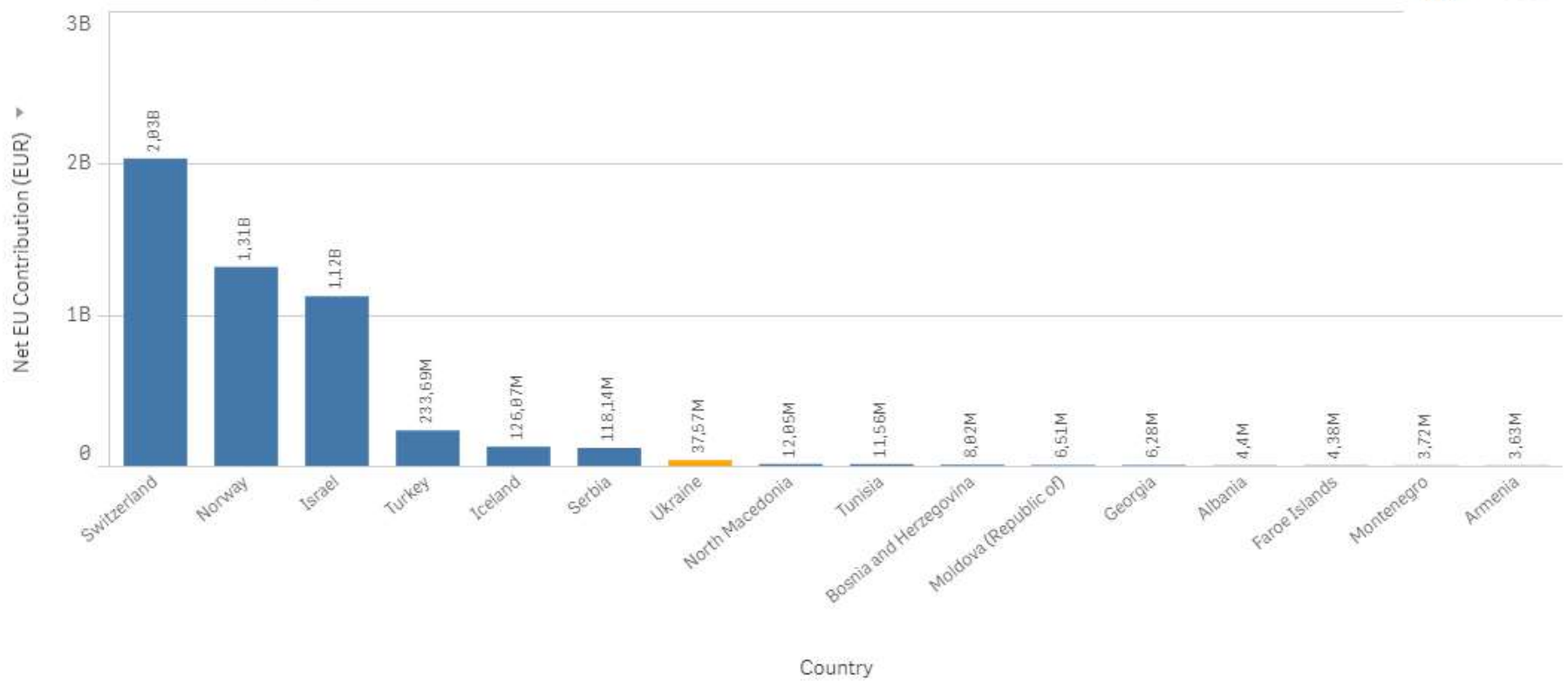
### Key Figures - Ukraine

Success rate [↗](#)

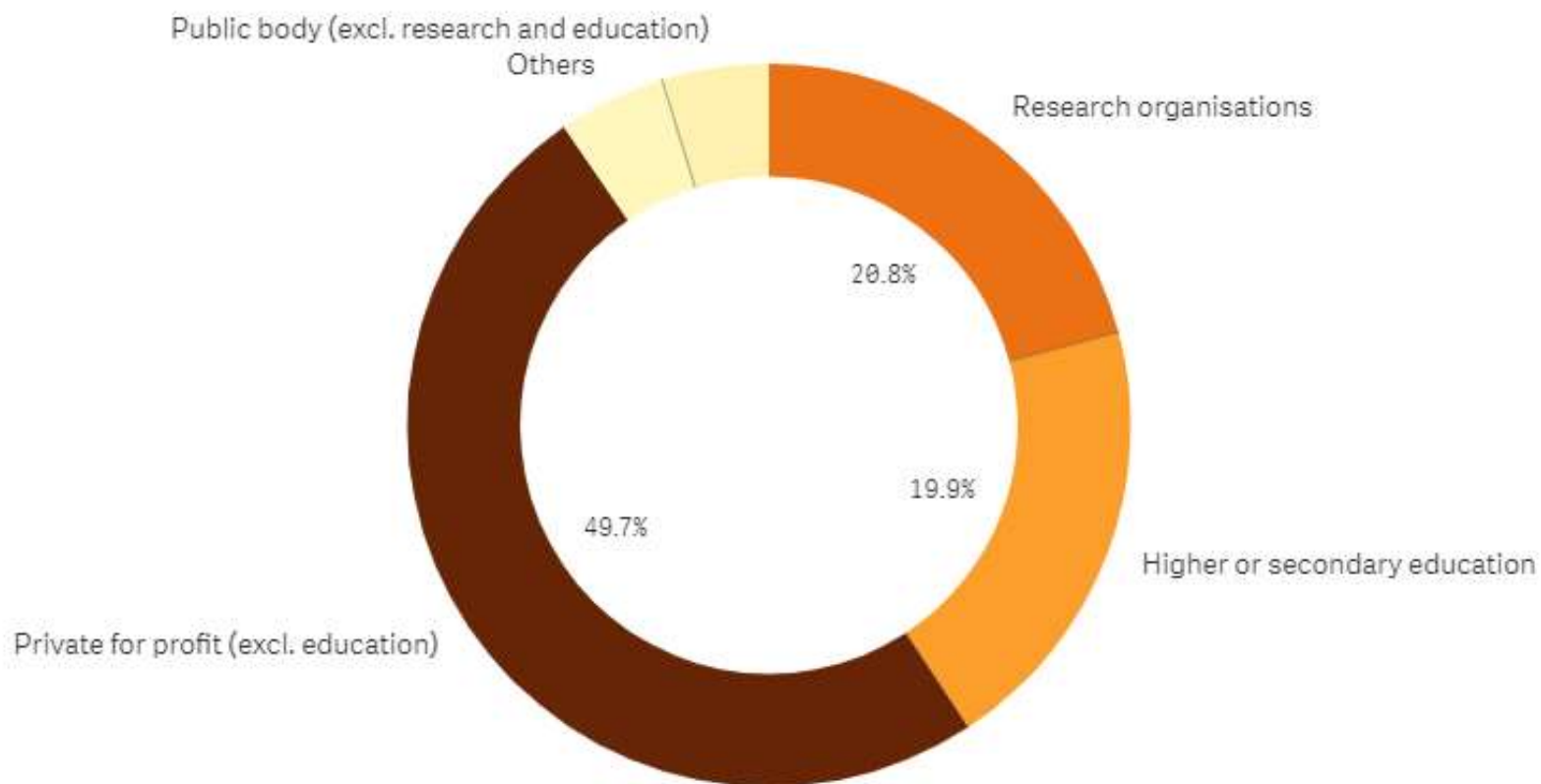
**9,55%** **13,68%**  
Associated Countries average

## Participation in Programmes - Ukraine

Horizon 2020 Contribution (EUR) to Associated Countries



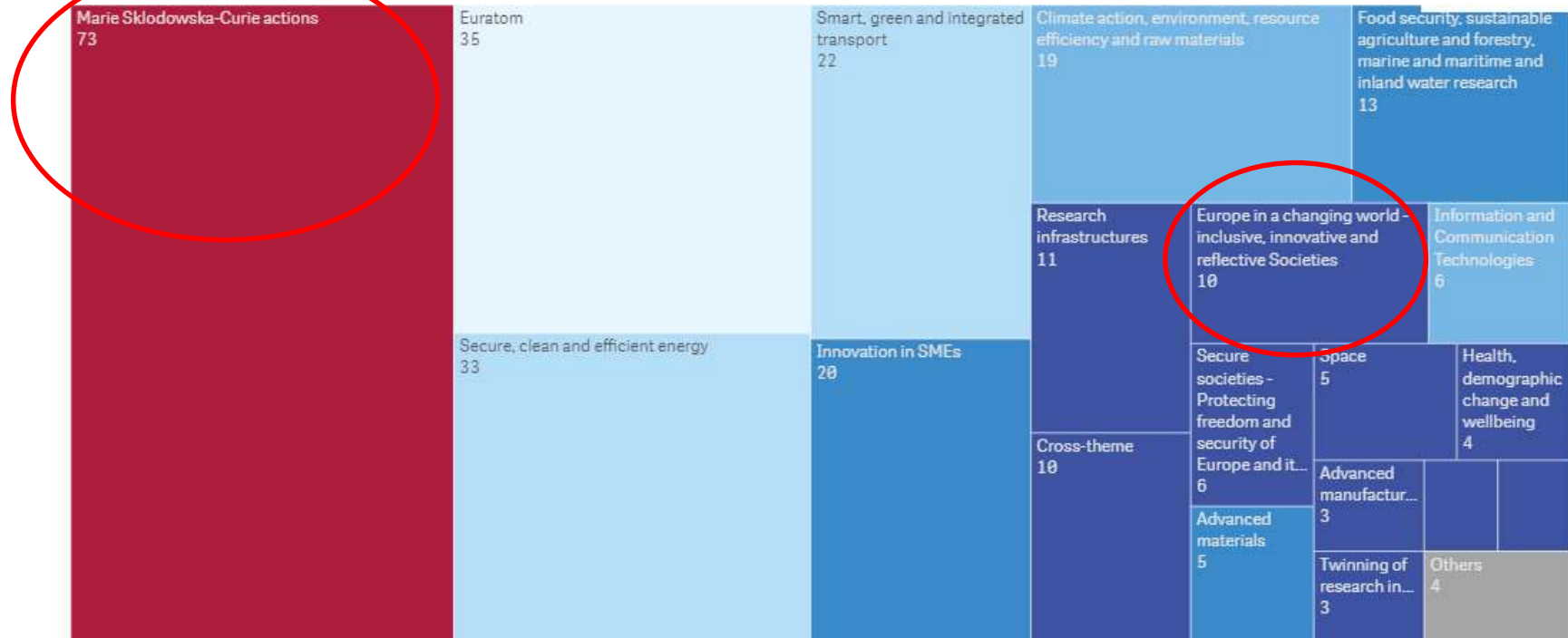
Types of organizations



# Україна в Горизонт 2020

## Participation in Programmes - Ukraine

Net EU Contribution (EUR) by thematic priority




Development of "smart" amplifiers of reactive oxygen species specific to aberrant polymorphonuclear neutrophils for treatment of inflammatory and autoimmune diseases, cancer and myeloid ablation.	NeuroCure	Future and Emerging Technologies	1	€ 400 000	Research and Innovation action	€ 400 000	861878	<a href="http://cordis.europa.eu/project/id/861878">http://cordis.europa.eu/project/id/861878</a>	FETOPEN-01-2018-2019-2020	FET-Open Challenging Current Thinking	LVIIVSKYI NATIONALNYI MEDYCHNYI UNIVERSYTET IMENI DANYLA HALYTSKOHO
---	-----------	----------------------------------	---	-----------	--------------------------------	-----------	--------	---	---------------------------	---------------------------------------	---

Приклади реальних проєктів за даними **CORDIS**:  
<https://cordis.europa.eu/projects/en>

Follow the latest news and projects about COVID-19 and the European Commission's coronavirus response.

 **CORDIS**  
EU research results

English 







HOME RESULTS PACKS RESEARCH\*EU MAGAZINES NEWS & EVENTS PROJECTS & RESULTS ABOUT US LOG IN

**HORIZON 2020**

## Development of “smart” amplifiers of reactive oxygen species specific to aberrant polymorphonuclear neutrophils for treatment of inflammatory and autoimmune diseases, cancer and myeloablation.

Fact Sheet

### Project description

Project Information

NeuroCure  
Grant agreement ID: 861878  
Status  
Open project

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## Project description



### Targeted amplification of reactive oxygen species could fight serious diseases

A diet rich in antioxidants could protect against a variety of pathologies from cancer and neurological disorders to cardiovascular disease. Antioxidants soak up free radicals among which are reactive oxygen species (ROS). ROS, as their name suggests, are unstable molecules containing oxygen that easily react with other molecules in a cell. Initially considered damaging agents, we now know they also play a key role in healthy cell processes. The key seems to be in the amount of time they are present and at what levels in specific cells. NeuroCure is developing ways to control the spatial and temporal amplification of ROS generation to effectively treat severe pathological conditions characterised by a dysfunction in ROS homeostasis.

[Show the project objective](#)

### Field of science

/medical and health sciences/clinical medicine/oncology/cancer

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### Project Information

NeuroCure

Grant agreement ID: 861878

Status

Ongoing project

Start date

1 January 2020

End date

31 December 2024

Funded under  
H2020-EU.1.2.1.

Overall budget  
€ 2 999 998,75

EU contribution  
€ 2 999 998,75



Coordinated by  
FRIEDRICH-ALEXANDER-UNIVERSITAET  
ERLANGEN-NUERNBERG

Germany

### Programme(s)

H2020-EU.1.2.1. - FET Open

### Topic(s)

FETOPEN-01-2018-2019-2020 - FET-Open Challenging Current Thinking

### Call for proposal

H2020-FETOPEN-2018-2019-2020-01

[See other projects for this call](#)

### Funding Scheme

RIA - Research and Innovation action

## Participants (6)

Sort alphabetically ↕

Sort by EU Contribution ↕

Expand all

	<b>UNIVERSITY OF SURREY</b>  United Kingdom	EU contribution € 410 998,75	▼
	<b>UNIVERSITÄT SKLINIKUM ERLANGEN</b>  Germany	EU contribution € 640 000	▼
	<b>LVIVSKYI NATIONALNYI MEDYCHNYI UNIVERSYTET IMENI DANYLA HALYT SKOHO</b>  Ukraine	EU contribution € 400 000	▼
	<b>CENTRO NACIONAL DE INVESTIGACIONES CARDIOVASCULARES CARLOS III (F.S.P.)</b>  Spain	EU contribution € 400 000	▼
	<b>REDOXIS AB</b>  Sweden	EU contribution € 400 000	▼
	<b>INSTITUT GUSTAVE ROUSSY</b>  France	EU contribution € 120 000	▼



## Coordinator



**FRIEDRICH-ALEXANDER-UNIVERSITAET ERLANGEN-  
NUERNBERG**

Address

**Schlossplatz 4  
91054 Erlangen  
Germany**

Website [↗](#)

Activity type

**Higher or Secondary  
Education Establishments**

Contact the organisation [↗](#)

EU contribution

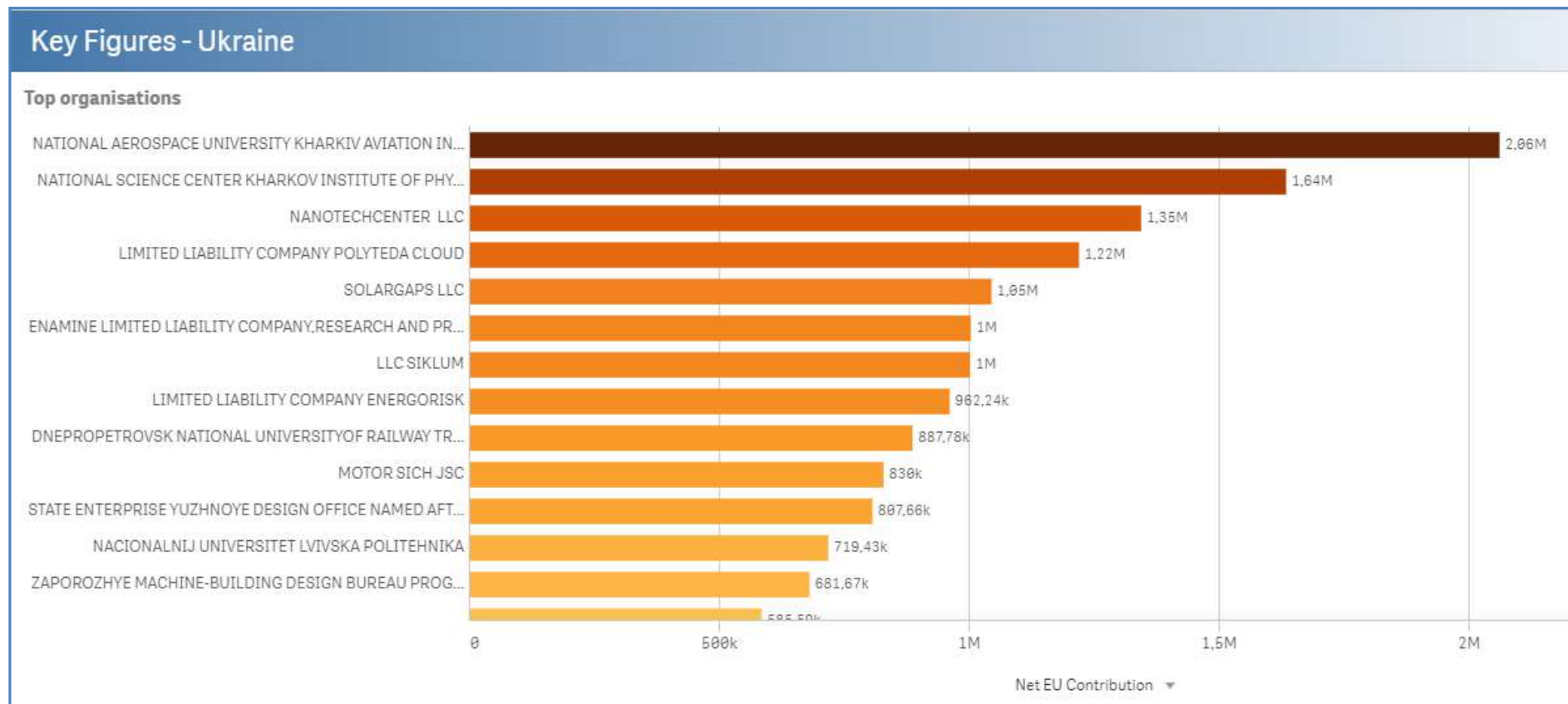
**€ 629 000**

[This site uses cookies](#) to offer you a better browsing experience.

I accept cookies



## Україна в Горизонт 2020

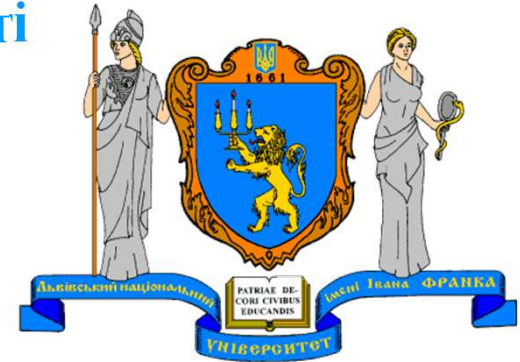


ЛНУ ім. І. Франка, у консорціум входять 12 країн  
координатор: University of Tor Vergata, Department of Biology (UNITOV), Italy

**"RESponsible research and innovation grounding practices in BIOSciences (RESBIOS)"** (Science with and for Society, H2020-SwafS-2018-2020, 2020–2023).

назва проекту: "Діяльність, що забезпечує відповідальність у наукових дослідженнях та впровадження інновацій у біологічних науках"

# Інформація про НКП програми «Горизонт 2020» у Львівському національному університеті імені Івана Франка



## ТЕМАТИЧНІ НАПРЯМИ

### **1. Future and emerging technologies**

*(Майбутні і нові технології)*

### **2. Inclusive, innovative and reflective societies**

*(Інклюзивні, інноваційні та розумні суспільства)*

Керівник НКП Заремба Оксана Іванівна

Адреса: м. Львів, вул. Кирила і Мефодія, 6, кім. 406

Тел.: +38 032 2394506, +38 093 4846131

E-mails: [horizon2020@lnu.edu.ua](mailto:horizon2020@lnu.edu.ua), [oksanazaremba@gmail.com](mailto:oksanazaremba@gmail.com)

## European Green Deal call



To respond to the urgency and ambition of the European Green Deal objectives, Horizon 2020 will soon launch a call worth close to €1 billion. R&I stakeholders can help shape the call by taking part in the surveys for each of the 11 areas.

### **Горизонт Европа:**

[https://ec.europa.eu/info/horizon-europe-next-research-and-innovation-framework-programme\\_en](https://ec.europa.eu/info/horizon-europe-next-research-and-innovation-framework-programme_en)