

Statistics and Analyses of Ukrainian Participation in HORIZON 2020 (updated after 457 concluded calls)

Project Consortium:





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Executive Summary

Ukraine became a new member of Associated Countries (AC) in March 2015. Since then, Ukrainian organizations have been able to fully participate in Horizon 2020 on equal terms with the EU Member States and other ACs.

Signed Association gives Ukraine a unique chance to significantly increase their participation in H2020. This is evidenced by the results of participation in the first 457 calls, where 579 Ukrainian organizations participated in the preparation of 1040 project proposals (1 333 participations), expecting EC contribution of 357.31 M€.

97 organizations are in 98 proposals on the MAIN LIST (125 participations), with EC contribution of 17.88 $M \in \mathbb{C}$. In particular, Ukraine submitted 314 proposals for project co-ordinations, of which 13 were classified for funding (MAIN LIST) with EC contribution of 2.48 $M \in \mathbb{C}$. These results classify Ukraine on the **7th place** among Associated & Candidate Countries.

Detailed analyses show that 29% of UA participants are from HES (87 organizations with 392 participations in submitted proposals), while 43% are from PRC (328 with 575 participations) and over 21% are from REC (103 institutes with 284 participations). Finally, 44 PRC, 24 REC, 19 HES, 3 PUB and 7 OTH from a total of 97 organizations will participate in projects selected for funding.

UA participation results presented in relation to the potential of the country (GDP, GERD, population, number of researchers FTE) show that Ukraine requires further reforms to create more favourable conditions for the intensification of cooperation between Ukrainian science and industry with partners from the EU and other countries involved in H2020.

Methodological Framework How to interpret the data presented in this document?

This report was prepared based on data from:

- eCORDA databases after 457 HORIZON 2020 concluded calls, which have been conducted by the European Commission (EC) since December 13, 2013, and includes information about submitted and evaluated proposals <u>before 6 March 2018</u>;
- EUROSTAT, and;
- The Word Bank databases.

In the report, data for applications and applicants are only related to submissions for a single-stage calls (there are no data on applications submitted for the first stage of two-stage calls). In the analysis, ONLY proposals that have passed the initial, formal EC evaluation (*eligible proposals*) were taken into account.

In most Tables and Figures, data related to Ukraine are shown in green with red borders . Related data are printed in red. The average values presented on some graphs refer to the Member States (EU28)

In order to objectify the report, Ukrainian participation results are shown (i) in absolute terms, (ii) in relation to the size of expenditure on R & D (GERD), (iii) with respect to 1000 scientists (FTE¹), and (iv) in relation to a country's population (per 1 million inhabitants).

In some graphs presenting general data for Member States and Associated Countries, results are presented with different colors: for EU15, for EU13 and for the Associated Countries.

Selected graphs also include data for Candidate Countries – their results are presented with color.

IMPORTANT NOTICE:

The analysis done in this report is based solely on data from the proposal database in eCORDA. Proposals which have been evaluated and received financing are classified by EC status "MAIN LIST".

According to EC statement: "Please note that H2020 eCORDA releases are bound by the agreed 5month non-disclosure period between call closure and publishing of data." Final participation results may vary from published eCORDA Proposals data base. This is why in some cases, in addition to analyses based on Proposals MAIN LIST, data from Projects – signed Grant Agreements are also taken into account and presented in the below tables.

¹ FTE – Full Time Equivalent

Overall summary of all countries participation in FP HORIZON 2020.

Aggregate data published by the European Commission include the results of participation in the H2020 for the EU Member States, Associated, Candidate and Third Countries. Of the **204** countries which participated in the preparation of project proposals, **204** remained in the proposals that have been positively evaluated and reached the MAIN LIST², while organizations from **150** countries have already signed the Grant Agreement (GA) or their GAs are under preparation to finance these projects.

Overall participation summary of all countries is shown in Table 1:

			Eligible proposals				MAIN LIST			Signed & Under Preparation Grant Agreaments (GA)					
	H2020 after 457 calls		Number of participations in submitted proposals Requested contributi [M€]			Number of participations in proposals selected for funding	Success Rate [4/2]	EC Contribution to proposals on MAINLIST [M€]		Number of participations	Success Rate [7/2]	Number of participants	EC contribution [M€]	Success Rate [10/3]	
	1		2	3		4	5	6		7	8	9	10	11	
EU28	EU15	15	418 081	188 305,45	15	62 444	14,94%	26 637,71	15	69 725	16,68%	19 174	27 578,18	14,65%	
E020	EU13	13	52 429	16 415,04	13	6 207	11,84%	1 442,03	13	7 081	13,51%	2 840	1 532,09	9,33%	
	EU Total / Average	28	470 510	204 720,50	28	68 651	13,39%	28 079,74	28	76 806	15,09%	22 014	29 110,27	11,99%	
Dented	Associated Countries	11	30 815	14 775,79	11	4728	15,34%	2012,07	11	5115	16,60%	1 578	2 019,50	13,67%	
Rest of	Ukraine		1 333	357,31		125	9,38%	17,88		150			16,74		
the WORLD	Candidate Countries	5	7 944	2 277,56	5	836	10,52%	199,08	5	943	11,87%	453	202,37	8,89%	
WORLD	Third Countries	160	18 835	2 124,85	160	18 835	100,00%	2 124,85	106	3 376	17,92%	1 610	179,42	8,44%	
	WORLD Total /Average	204	528 104	223 898,70	204	93 050	30,53%	32 415,75	150	86 240	15,32%	25 655	31 511,56	11,00%	

Table 1.All countries in eligible proposals, on MAIN LIST and in signed & under
preparation Grant Agreements.

25 655 organizations from **150** countries have signed grant agreements for the implementation of project applications, totalling over **31.51 B** \in , of which nearly **29.11 B** \in accounted for the participants from the EU28. The rest of the budget has been contracted by organizations from Associated, Candidate and Third Countries, to the amount of **2.02 B** \in , **202.37 M** \in and **179.42 M** \in accordingly.

As shown in Table 1 above, there is a large disproportion in the distribution of the budget among organizations from the different group of countries:

- As much as **87.52%** of the budget was accounted for organizations from the EU15;
- While only 4.86% for New Member States;
- The remaining part: **7.62%** of the budget was distributed to organizations from outside EU countries.

Ukrainian participants received a promise of funding applications in the amount of **17.88 M€**, which is **0.06%** of the total H2020 budget allocation, and **0.89%** of the budget gained by Associated Countries.

Table 2 shows the participation of all countries in the H2020: the number of projects and obtained EC funding, the average EC contribution to projects with their participation, the number of participations and an average subsidy of participating organizations from different groups of countries.

Table 2. Participation summary of all countries in the HORIZON 2020.

	Number of participations on MAINLIST	Planned EC contribution for projects on MAINLIST	Average financing per participation	Number of participants in applications on MAINLIST	Average funding per participant
All Countries	93 050	32 415 746 062,32 €	348 369,11€	28 943	1 119 986 €
EU28	68 651	28 079 739 550,81€	409 021,57€	20 945	1 340 642€
EU15	62 444	26 637 705 603,38€	426 585,51€	18 301	1 455 533 €
EU13	6 207	1 442 033 947,43€	232 323,82€	2 644	545 399€
Associated Counties	4728	2 012 074 887,64€	425 565,75€	5 897	341 203 €
Ukraine	125	17 877 456,79 €	143 019,65 €	91	196 456 €
Candidate Countrues	836	199 081 335,08€	238 135,57€	416	478 561 €
Third Countries	18 835	2 124 850 288,79€	112 813,93€	1 685	1 261 039 €

² The list of project proposals, which in the evaluation process were accepted for funding.

Ukrainian participation in HORIZON 2020 – detailed analysis

Pillars and Topics

Table 3. Ukrainian participation (MAIN LIST) by H2020 Pillars and Objectives.

H2020 Pillar and Objective (Section)	Nu	umber of	Number of	Number of	Requested EC
	💌 pi	roposals	COORDINATIONS	participations	Contribution
Excellent Science		41	3	53	7 441 410,66 🕯
Marie-Sklodowska-Curie Actions		35	3	47	7 269 085,16 🕯
Research Infrastructures		6	0	6	172 325,50 €
Industrial Leadership		8	3	10	2 396 669,75
Advanced materials		1	0	1	442 645,00 4
Information and Communication Technologies		2	1	2	1 411 803,75
Nanotechnologies		2	2	2	100 000,00
Space		3	0	5	442 221,00
Societal Challenges		42	6	52	7 058 226,38
Climate action, environment, resource efficiency a		8	2	8	1 473 872,00
Europe in a changing world - inclusive, innovative		6	0	7	685 981,50
Food security, sustainable agriculture and forestr		6	1	6	352 250,25
Health, demographic change and wellbeing		2	0	2	355 605,00
Secure societies - Protecting freedom and security		2	0	2	133 486,00
Secure, clean and efficient energy		10	2	12	1 191 003,75
Smart, green and integrated transport		8	1	15	2 866 027,88
Science with and for Society		2	0	2	193 875,00
Develop the governance for the advancement of resp	р	1	0	1	70 375,00
Promote gender equality in research and innovation		1	0	1	123 500,00
Spreading excellence and widening participation		1	0	1	148 750,00
Twinning of research institutions		1	0	1	148 750,00
Euratom		2	0	2	143 212,50
Euratom		2	0	2	143 212,50
■ EC		2	1	5	495 312,50
Cross-theme		2	1	5	495 312,50
тот	TAL	98	13	125	17 877 456,79

Type of organizations

Participation (in eligible proposals):

579 organizations participated in the preparation of **1040** project proposals (**314** co-ordinations) – **total: 1 333** participations, expecting EC funding of **357.31** M€

	HES	REC	PRC	PUB	ОТН	TOTAL
Number of organizations	87	103	328	15	46	579 *
Number of participations	392	284	575	19	63	1333
Number of co-ordinations	59	33	213	4	5	314
Gained EC Contribution	95 310 079,05 €	77 749 957,46 €	172 128 226,56 €	1 856 878,25 €	10 265 877,41 €	357 311 018,73 €

* TOTAL for Number of organization by org. type is different then the real number of organization in proposals due to the fact that some of them qualified their type several times (e.g.: HES and PRC).

Participation (projects on MAIN LIST):

97 organizations are in 98 proposals on the MAIN LIST (13 co-ordinations) – total: 125 participations, with EC contribution of 17.88 M€

	HES	REC	PRC	PUB	отн	TOTAL
Number of organizations	19	24	44	3	7	97 *
Number of participations	30	32	53	3	7	125
Number of co-ordinations	2	2	8		1	13
Gained EC Contribution	3 131 316,00 €	3 917 465,00 €	9 518 472,04 €	487 125,00 €	823 078,75 €	17 877 456,79 €

* TOTAL for Number of organization by org. type is different then the real number (91) of organization on MAIN LIST due to the fact that some of them qualified their type several times (e.g.: HES and PRC).

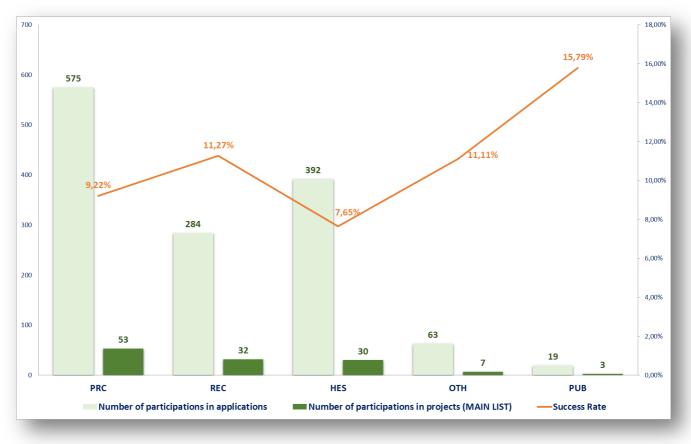
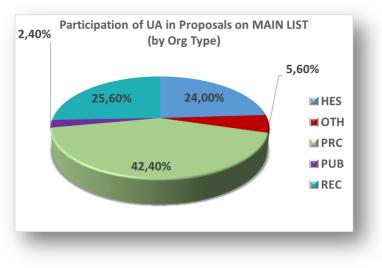


Figure 1. Participation in projects (MAIN LIST) by organization type.

The Ukrainian participation in the Horizon 2020 program is dominated by the Private Sector (PRC), Research Organisations (REC) and Higher Education Institutions (HES) and the structure is shown in Figure 2.:

Figure 2. Participation in projects (MAIN LIST) by organization type - structure.



List of participants (by organization type)

HES (Higher or Secondary Education Establishments)

19 Ukrainian HES received 3 131 316.00 € of EC contribution:

No.	Organization name (in projects on MAIN LIST)	Number of participations	Planned EC Contribution
1	NATIONAL AEROSPACE UNIVERSITY KHARKIV AVIATION INSTITUTE NAMED BY N ZUKOVSKIY	4	699 750,00€
2	NATIONAL TECHNICAL UNIVERSITY OF UKRAINE IGOR SIKORSKY KYIV POLYTECHNIC INSTITUTE	3	318 375,00€
3	NATIONAL AVIATION UNIVERSITY	3	301 150,00€
4	LVIV POLYTECHNIC NATIONAL UNIVERSITY	1	270 000,00€
5	PUBLIC JOINT STOCK COMPANY ENGINEERING AND PRODUCTION ENTERPRISE VNIPITRANSGAZ	1	243 812,50€
6	SUMY STATE UNIVERSITY	1	211 500,00€
7	NATIONAL UNIVERSITY OF KYIV-MOHYLA ACADEMY	2	206 425,00 €
8	TARAS SHEVCHENKO NATIONAL UNIVERSITY OF KYIV	4	199 750,00€
9	DONETSK NATIONAL UNIVERSITY	1	126 000,00€
10	SIMON KUZNETS KHARKIV NATIONAL UNIVERSITY OF ECONOMICS	1	123 500,00€
11	NATIONAL ACADEMY OF SCIENCES OF UKRAINE NAS OF UKRAINE	1	99 125,00€
12	MARINE HYDROPHYSICAL INSTITUTE - UKRAINIAN NATIONAL ACADEMY OF SCIENCES	1	79 040,00€
13	LVIVSKYI NATIONALNYI MEDYCHNYI UNIVERSYTET IMENI DANYLA HALYTSKOHO	1	76 500,00€
14	ODESSA NATIONAL I.I. MECHNIKOV UNIVERSITY	1	54 000,00€
15	STATE ORGANIZATION INSTITUTE FOR ECONOMICS AND FORECASTING UKRAINIAN NATIONAL ACADEMY OF SCIENCES	1	46 456,00€
16	UZHGORODSKYI NACIONALNYI UNIVERSITET	1	37 511,00€
17	Odessa State Environmental University	1	28 187,50€
18	Ukrainian National Forestry University	1	10 234,00€
19	I.I. SCHMALHAUSEN INSTITUTE OF ZOOLOGY OF NATIONAL ACADEMY OF SCIENCES OF UKRAINE - IZNASU	1	0,00€
	TOTAL	30	3 131 316,00 €

REC (Research Organisations)

24 Ukrainian REC received 3 917 465.00 € of EC contribution:

No.	Organization name (in projects on MAIN LIST)	Number of participations	Planned EC Contribution
1	DONETSK INSTITUTE FOR PHYSICS AND ENGINEERING NAMED AFTER O.O. GALKIN OF THE NATIONAL ACADEMY OF SCIENCESS OF UKRAINE	3	522 000,00 -
2	SPACE RESEARCH INSTITUTE OF THE NATIONAL ACADEMY OF SCIENCES OF UKRAINE AND THE NATIONAL SPACE AGENCY OF UKRAINE	2	514 968,00 -
3	V.N. BAKUL INSTITUTE FOR SUPERHARD MATERIALS OF THE NATIONAL ACADEMY OF SCIENCES	1	324 375,00
4	UKRAINIAN INSTITUTE FOR PUBLIC POLICY CIVIC ORGANIZATION	2	272 495,00
5	INSTITUTE OF ORGANIC CHEMISTRY OF NATIONAL ACADEMY SCIENCES OF UKRAINE	1	198 000,00
6	Institute for Scintillation Materials of National Academy of Sciences of Ukraine	1	193 500,00
7	INSTITUTE OF APPLIED MATHEMATICS AND MECHANICS OF THE NATIONAL ACADEMY OF SCIENCE OF UKRAINE - IAMM NASU	1	184 500,00
8	INSTITUTE OF MATHEMATICS OF THE NATIONAL ACADEMY OF SCIENCES OF UKRAINE	1	184 500,00
9	INSTITUTE OF PHYSICS OF NATIONAL ACADEMY OF SCIENCE OF UKRAINE	3	173 000,00
10	R.E KAVETSKY INSTITUTE OF EXPERIMENTAL PATHOLOGY ONCOLOGY AND RADIOBIOLOGY OF NATIONAL ACADEMY OF SCIENCES OF UKRAINE	1	162 000,00
11	V.I.Vernadskii Institute of General and Inorganic Chemistry NAS of Ukraine	1	162 000,00
12	INSTITUTE OF MAGNETISM OF THE NATIONAL ACADEMY OF SCIENCE OF UKRAINE AND THE MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE	2	148 500,00
13	INSTITUTE OF BIOENERGY CROPS AND SUGAR BEET NATIONAL ACADEMY OF AGRARIAN SCIENCES OF UKRAINE	1	118 750,00
14	NATIONAL SCIENCE CENTER KHARKOV INSTITUTE OF PHYSICS AND TECHNOLOGY	1	112 750,00
15	INTERNATIONAL CIVIC ORGANISATION KYIV ECONOMICS INSTITUTE	1	96 500,00
16	CENTRE FOR GLOBAL STUDIES STRATEGY XXI	1	95 687,50
17	INSTITUTE FOR CONDENSED MATTER PHYSICS OF THE NATIONAL ACADEMY OF SCIENCES OF UKRAINE	1	94 500,00
18	INSTITUTE FOR LOW TEMPERATURE PHYSICS AND ENGINEERING of NASU	1	94 500,00
19	G.E. PUKHOV INSTITUTE FOR MODELINGIN ENERGY ENGINEERING OF THE NATIONAL ACADEMY OF SCIENCES OF UKRAINE	1	82 125,00
20	NATIONAL ACADEMY OF SCIENCES OF UKRAINE NAS OF UKRAINE	1	76 187,50
21	ASSOCIATION OF USERS OF UKRAINIAN RESEARCH AND ACADEMIC NETWORK URAN	2	40 002,00
22	UKRAINIAN SCIENTIFIC CENTRE OF ECOLOGY OF THE SEA	1	37 250,00
23	STATE INSTITUTION INSTITUTE OF PEDIATRICS OBSTETRICS AND GYNECOLOGY NATIONAL ACADEMY OF MEDICAL SCIENCES OF UKRAINE	1	29 375,00
24	Institute of Cell Biology, National Academy of Sciences of Ukraine	1	0,00
	TOTAL	32	3 917 465,00

PUB Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments)

3 Ukrainian PUBs received 487 125.00 € of EC contribution:

No.	Organization name (in projects on MAIN LIST)	Number of	Planned EC
NO.		participations	Contribution
1	CORPORATION SCIENCE PARK TARAS SHEVCHENKO UNIVERSITY OF KYIV	1	288 000,00€
2	THE CENTRE FOR SCIENTIFIC AND TECHNICAL INFORMATION AND INNOVATION PROMOTION OF UKRAINE	1	140 125,00€
3	PUBLIC JOINT STOCK COMPANY FED	1	59 000,00€
	τοται	3	487 125,00 €

PRC (*Private for-profit*)

44 Ukrainian PRCs received 9 518 472.04 € of EC contribution:

No.	Organization name (in projects on MAIN LIST)	Number of	Planned EC
1	LIMITED LIABILITY COMPANY POLYTEDA CLOUD	participations 1	Contribution 1 220 887,50 €
2	MOTOR SICH JSC	1	1 220 887,50 € 830 000,00 €
3	YUZHNOYE DESIGN OFFICE NAMED AFTER MIKHAIL YANGEL	2	758 740,00 €
4	ZAPOROZHYE MACHINE-BUILDING DESIGN BUREAU PROGRESS STATE ENTERPRISE NAMED AFTER ACADEMICIAN A.G. IVCHENKO	3	681 668,75 €
5	ZAPONOZNIE WACHINE-BUILDING DESIGN BUREAU PROGRESS STATE EN TERPRISE NAWED AFTER ACADEMICIAIN A.G. TVCHENKO JOINT STOCK COMPANY FARMAK	2	535 500,00 €
			,
6	ENAMINE LIMITED LIABILITY COMPANY, RESEARCH AND PRODUCTION ENTERPRISE	3	483 878,16€
7	UMITED LIABILITY COMPANY APOWERCAP, LLC APOWERCAP	1	419 562,50 €
8	UKRORGSYNTEZ	1	360 000,00 €
9	NANOTECHCENTER LLC	2	328 500,00 €
10	FILATOV INSTITUTE OF EYE DISEASES AND TISSUE THERAPY OF THE NATIONAL ACADEMY OF MEDICAL SCIENCES OF UKRAINE	1	313 110,00 €
11	SUBSIDIARY COMPANY PRINCETON BIOMOLECULAR RESEARCH LABS	1	310 500,00 €
12	NAUKOVO-TEHNICHNII CENTAR BIOMASA LLC	3	261 948,50€
13	SCIENTIFIC RESEARCH COMPANY CARAT - BRANCH ENTERPRISE OF PJSC CONCERN - ELECTRON	1	261 000,00 €
14	MATERIALS RESEARCH CENTER	1	234 000,00 €
15	PRIVATE ENTERPRISE SOFTPARTNERS	1	216 000,00 €
16	LLC KT-ENERGY	1	197 750,00€
17	STATE RESEARCH AND DEVELOPMENT ENTERPRISE STATE INFORMATION GEOLOGICAL FUND OF UKRAINE	1	197 402,00€
18	INTERNATIONAL CLINIC OF REHABILITATION LLC	1	190 916,25 €
19	LIMITED LIABILITY COMPANY RESEARCH AND PRODUCTION ENTERPRISE I.F. LAB	1	162 000,00 €
20	ASSOCIATION UKRAINIAN AGRIBUSINESSCLUB	1	147 365,00€
21	LIMITED LIABILITY COMPANY SALIX ENERGY	1	134 086,25€
22	FIATU	1	121 944,00€
23	MARIN DIZAJN INGINIRING MYKOLAYIV	1	95 321,63€
24	LIMITED LIABILITY COMPANY STREAMOZONE	1	80 000,00 €
25	Marlin-Yug Ltd	1	80 000,00 €
26	INSTITUTE OF BIOENERGY CROPS AND SUGAR BEET NATIONAL ACADEMY OF AGRARIAN SCIENCES OF UKRAINE	1	77 097,50 €
27	THE STATE FUND FOR FUNDAMENTAL RESEARCH OF UKRAINE	1	70 375,00 €
28	STATE SPACE AGENCY OF UKRAINE	1	56 963,00 €
29	UKRAINIAN RESEARCH INSTITUTE OF AVIATION TECHNOLOGY	- 1	54 000,00 €
30		1	51 361,00 €
31	EXTRUSION IN MOTION LLC	1	50 000,00 €
32	ERITMA INSTYTUT ECOLOGII LIUDYNY-INEKO	1	50 000,00 €
33		1	50 000,00 €
34	LIMITED LIABILITY COMPANY INTEGRO-SD	1	50 000,00 €
34	PASSIVDOM UKRAINE LIMITED LIABILITY COMPANY	1	50 000,00 €
35	PRSVODM OKRAINE LIMITED LIABILIT COMPANY PRYVATNE PIDPRYIEMSTVO DOMINION	1	50 000,00 €
30	SOLARGAPS LLC	1	50 000,00 €
37	SOLARGAPS LLC STATE ENTERPRISE STATE ROAD SCIENTIFIC RESEARCH INSTITUTE NAMED AFTER M. P. SHULGIN	1	45 200,00 €
39	INTERNATIONAL CHARITABLE FUND OMNI-NET FOR CHILDREN	1	43 200,00 € 42 495,00 €
39 40	TOV NAUKOVO VYROBNICHE PIDRIEMSTVOTEHNOLOGIKA	1	42 495,00 €
40	LIMITED LIABILITY COMPANY CARBOLINE	1	40 500,00 € 36 000,00 €
41 42	AGRO LV LIMITED	1	
		1	32 937,50 €
43	LIMITED LIABILITY COMPANY ENERGORISK	1	30 462,50 €
44	NEW INTERNATIONAL CORPORATION LTD	1	9 000,00 €
	тота	L 53	9 518 472,04 €

OTH (Other)

7 Ukrainian OTHs received 823 078.75 € of EC contribution:

No.	Organization name (in projects on MAIN LIST)	Number of participations	Planned EC Contribution
1	ENAMINE LIMITED LIABILITY COMPANY, RESEARCH AND PRODUCTION ENTERPRISE	1	409 500,00 €
1	R.E KAVETSKY INSTITUTE OF EXPERIMENTAL PATHOLOGY ONCOLOGY AND RADIOBIOLOGY OF NATIONAL ACADEMY OF SCIENCES OF UKRAINE	1	148 750,00 €
1	KIEV INTERNATIONAL INSTITUTE OF SOCIOLOGY LLC	1	90 000,00 €
1	MATERIALS RESEARCH CENTER	1	81 000,00 €
1	ASSOCIATION UKRAINIAN AGRIBUSINESSCLUB	1	60 328,75 €
1	UKRAINIAN CHAMBER OF COMMERCE AND INDUSTRY	1	24 500,00 €
1	Scientific Foundation of Scientists and Specialists on Molecular Cybernetics and Informatics	1	9 000,00 €
	TOTAL	7	823 078,75 €

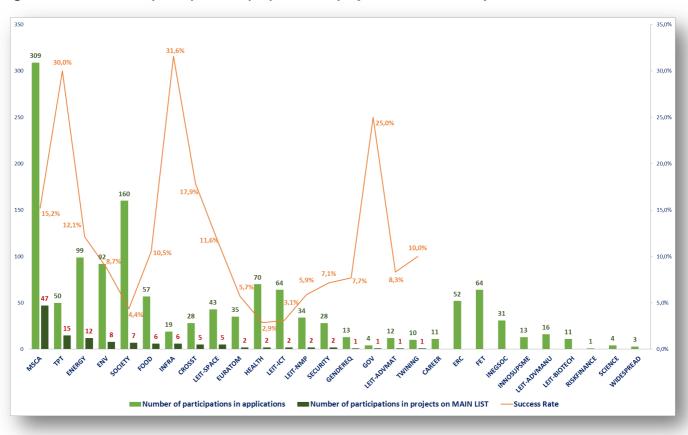
List of Ukrainian coordinators

12 Ukrainian co-ordinations were approved receiving 2 689 512.50 € of EC contribution:

No.	Organization name (in projects on MAIN LIST)	Number of participations	Planned EC Contribution
1	LIMITED LIABILITY COMPANY POLYTEDA CLOUD	1	1 220 887,50€
2	ENAMINE LIMITED LIABILITY COMPANY, RESEARCH AND PRODUCTION ENTERPRISE	1	409 500,00 €
3	NATIONAL AEROSPACE UNIVERSITY KHARKIV AVIATION INSTITUTE NAMED BY N ZUKOVSKIY	1	320 125,00€
4	LVIV POLYTECHNIC NATIONAL UNIVERSITY	1	270 000,00€
5	INSTITUTE OF PHYSICS OF NATIONAL ACADEMY OF SCIENCE OF UKRAINE	2	119 000,00 €
6	EXTRUSION IN MOTION LLC	1	50 000,00 €
7	FIRMA INSTYTUT ECOLOGII LIUDYNY-INEKO	1	50 000,00 €
8	JOINT STOCK COMPANY NVO CHERNOVA HUILYA	1	50 000,00 €
9	LIMITED LIABILITY COMPANY INTEGRO-SD	1	50 000,00 €
10	PASSIVDOM UKRAINE LIMITED LIABILTY COMPANY	1	50 000,00 €
11	PRYVATNE PIDPRYIEMSTVO DOMINION	1	50 000,00 €
12	SOLARGAPS LLC	1	50 000,00 €
	τοται	. 13	2 689 512,50 €

Thematic areas

Organizations from Ukraine took part in the preparation of project proposals in almost all of the H2020 thematic areas. <u>The most popular were:</u> MSC Actions (309 participation), SOCIETY (160) and ENERGY (99), ENV (92), HEALTH (70), ICT (64), and FET, FOOD and TPT where the number of participation in the proposals was 64, 57 and 50 respectively. Details regarding all areas are presented in Figure 3.





Proposals from 18 out of the 28 H2020 thematic areas reached the MAIN LIST. Ukraine gained the highest funding for 47 MSCA projects and 15 TPT (respectively 7.27 M \in and 2.87 M \in). In contrast, a total of 29 projects from ENVIRONMENT, ICT, ENERGY and SOCIETY obtained total funding to the amount of 5.48 M \in . Figure 3 and 4 show further details.

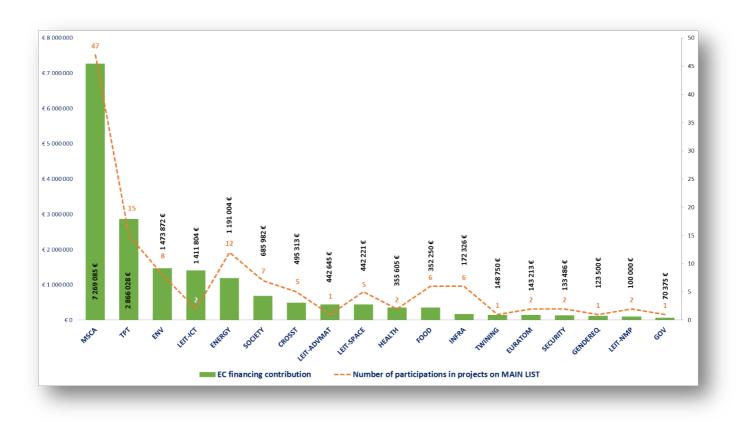


Figure 4. EC contribution for number of projects on MAIN LIST in H2020 thematic areas.

Project Financing Systems

The category of financing systems for H2020 projects determines the type of project and the basic principles relating to participation and allocation of funds for research & innovation.

Ukrainian organizations most actively participated in the preparation of proposals for research projects (RIA - 397 participations), with nearly 1/3 of projects with Ukrainian participation including Coordination and Support Actions (CSA - 225 participations) and implementation projects (IA - 100 participations). There were also 227 participations in the Marie Sklodowska Curie Actions – RISE and in the framework of SME Instrument (181 for SME – 1 and 39 for SME - 2 participations).

In contrast, Ukrainian organizations reached 100% effectiveness in the ERA-NET-COFUND, H2020-EEN-SGA, MSCA-ITN-EID, and SGA-RIA. Although they only participated in the preparation of three-times-two and one-times-one applications for these instruments, all seven applications received a positive assessment of evaluators and were qualified for financing. Full information is presented in Table 4 (p.18) and Figure 5 & 6 (p. 34).

Table 4. Ukrainian participation by finance instruments.

	Number of participations in submitted proposals	Number of projects on the MANI LIST	Number of participations in projects on MAIN LIST	Request EC Funds	Planned EC Contribution in projects on MAIN LIS
CSA	225	18	26	39 016 778,33 €	2 437 959,25
CSA-LS	1			50 000,00 €	
ERA-NET-Cofund	2	2	2	597 402,00€	597 402,00
ERC-ADG	36			35 585 331,00€	
ERC-COG	4			6 283 712,00 €	
ERC-STG	12			13 496 385,00€	
H2020-EEN-SGA	4	1	4	75 750,00€	75 750,00
IA	100	6	8	43 305 787,13€	1 456 987,13
JTI-BBI-IA-DEMO	2			416 638,25€	
JTI-BBI-RIA	3			1 298 275,00 €	
JTI-CS2-IA	5			11 478 570,00 €	
JTI-CS2-RIA	5	1	3	2 089 043,75 €	1 699 668,75
JTI-FCH2-CSA	4	1	1	387 210,00€	55 125,00
JTI-FCH2-RIA	3			1 638 100,00 €	
MSCA-COFUND-DP	2	2	2	0,00€	0,00
MSCA-IF-EF	4			588 407,70€	
MSCA-IF-GF	2	1	1	228 310,40 €	152 207,00
MSCA-ITN-EID	5	2	2	483 878,16€	483 878,16
MSCA-ITN-EJD	18			3 387 147,12 €	
MSCA-ITN-ETN	45	2	2	8 548 513,64 €	0,00
MSCA-RISE	227	28	40	32 287 500,00 €	6 633 000,00
RIA	397	24	24	96 173 016,19€	2 674 590,00
SGA-CSA	5			73 500,00 €	
SGA-RIA	2	2	2	40 002,00 €	40 002,00
SME-1	181	7	7	8 400 000,00 €	350 000,00
SME-2	39	1	1	51 381 761,06€	1 220 887,50
TOTAL	1333	98	125	357 311 018,73 €	17 877 456,79

Projects & Organizations by Action Type

Tables 4 –19 present details regarding projects with Ukrainian participations which are separated for each Action Type. Besides project acronym, organization name, project title and gained EC contribution, the beneficent role, number of participants, project duration and total cost are also presented. Co-ordination cases are marked in red.

 Table 5.
 Ukrainian participations in <u>ERA-NET-Cofund</u> projects.

Action TYPE	Acronim of projects on MAIN LIST	Organization name (in projects on MAIN LIST)	Role in the project	Project title	Number of partners	Project duration (months)	Project total cost	Planned EC Contribution
ERA-NET- Cofund		SPACE RESEARCH INSTITUTE OF THE NATIONAL ACADEMY OF SCIENCES OF UKRAINE AND THE NATIONAL SPACE AGENCY OF UKRAINE	Partner	The European network for observing our changing planet	41	60	60 804 890,00 €	400 000,00 €
	GeoERA	STATE RESEARCH AND DEVELOPMENT ENTERPRISE STATE INFORMATION GEOLOGICAL FUND OF UKRAINE	Partner	Establishing the European Geological Surveys Research Area to deliver a Geological Service for Europe	54	60	31 795 568,75€	197 402,00€
TOTAL	2						92 600 458,75 €	597 402,00 €

Table 6. Ukrainian participations in <u>SGA-RIA</u> projects.

Action TYPE	Acronim of projects on MAIN LIST	Organization name (in projects on MAIN LIST)	Role in the project	Project title	Number of partners	Project duration (months)	Project total cost	Planned EC Contribution
	GN4-1	ASSOCIATION OF USERS OF UKRAINIAN RESEARCH AND ACADEMIC NETWORK URAN	Partner	GN4-1 Research and Education Networking - GÉANT	38	12	43 117 180,00 €	23 746,00€
SGA-RIA	GN4-2	ASSOCIATION OF USERS OF UKRAINIAN RESEARCH AND ACADEMIC NETWORK URAN	Partner	GN4-2 Research and Education Networking - GÉANT	39	32	95 904 005,75 €	16 256,00€
TOTAL	2						139 021 185,75 €	40 002,00€

Table 7. Ukrainian participations in <u>RIA</u> projects.

on TYPE	Acronim of projects on MAIN LIST	Organization name (in projects on MAIN LIST)	Role in the project	Project title	Number of partners	Project duration (months)	Project total cost	Planned EC Contributio
	ANIMA	NATIONAL AVIATION UNIVERSITY	Partner	Aviation Noise Impact Management through Novel Approaches	23	48	7 647 618,75€	71 375,
	AtlantOS	Marlin-Yug Ltd	Partner	Optimizing and Enhancing the Integrated Atlantic Ocean Observing System	63	51	20 732 923,00 €	80 000,
	DIABOLO	Ukrainian National Forestry University	Partner	Distributed, integrated and harmonised forest information for bioeconomy outlooks	33	48	4 998 978,00 €	10 234,
	ENABLE.EU	CENTRE FOR GLOBAL STUDIES STRATEGY XXI	Partner	Enabling the Energy Union through understanding the drivers of individual and collective energy choices in Europe	12	36	3 347 041,25€	95 687,
	EQUINOX	YUZHNOYE DESIGN OFFICE NAMED AFTER MIKHAIL YANGEL	Partner	A novel process for manufacturing complex shaped Fe- Al intermetallic parts resistant to extreme environments	11	36	4 678 345,00 €	316 095,
	ESSANUF	NATIONAL SCIENCE CENTER KHARKOV INSTITUTE OF PHYSICS AND TECHNOLOGY	Partner	European Supply of SAfe NUclear Fuel	9	26	2 053 914,00 €	112 750
	EU-LISTCO	UKRAINIAN INSTITUTE FOR PUBLIC POLICY CIVIC ORGANIZATION	Partner	Europe's External Action and the Dual Challenges of Limited Statehood and Contested Orders	14	36	5 113 093,75 €	118 745
	EUNPACK	NATIONAL UNIVERSITY OF KYIV-MOHYLA ACADEMY	Partner	Good intentions, mixed results – A conflict sensitive unpacking of the EU comprehensive approach to conflict and crisis mechanisms	13	36	2 495 678,75 €	54 218
	EUROlinkCAT	INTERNATIONAL CHARITABLE FUND OMNI-NET FOR CHILDREN	Partner	EUROlinkCAT: Establishing a linked European Cohort of Children with Congenital Anomalies	21	60	7 348 072, 75 €	42 495
	EU-STRAT	UKRAINIAN INSTITUTE FOR PUBLIC POLICY CIVIC ORGANIZATION	Partner	EU-STRAT - The EU and Eastern Partnership Countries: An Inside-Out Analysis and Strategic Assessment	11	36	2 665 138,75 €	153 750
	EXCEPT	INTERNATIONAL CIVIC ORGANISATION KYIV ECONOMICS INSTITUTE	Partner	Social Exclusion of Youth in Europe: Cumulative Disadvantage, Coping Strategies, Effective Policies and Transfer	10	36	2 497 416,00 €	96 500
21.0	Flintstone202 0	V.N. BAKUL INSTITUTE FOR SUPERHARD MATERIALS OF THE NATIONAL ACADEMY OF SCIENCES	Partner	Next generation of superhard non-CRM materials and solutions in tooling	9	48	4 996 180,00 €	324 375
RIA	GASVESSEL	PUBLIC JOINT STOCK COMPANY ENGINEERING AND PRODUCTION ENTERPRISE VNIPITRANSGAZ	Partner	Compressed Natural Gas Transport System	13	48	11 997 175,00 €	243 812
	ID-EPTRI	STATE INSTITUTION INSTITUTE OF PEDIATRICS OBSTETRICS AND GYNECOLOGY NATIONAL ACADEMY OF MEDICAL SCIENCES OF UKRAINE	Partner	Infradev - European Paediatric Translational Research Infrastructure	26	24	3 071 250,00 €	29 375
	INSIDER	LIMITED LIABILITY COMPANY ENERGORISK	Partner	Improved Nuclear Site characterization for waste minimization in DD operations under constrained EnviRonment	19	48	4 173 870,00 €	30 462
	MAGIC	INSTITUTE OF BIOENERGY CROPS AND SUGAR BEET NATIONAL ACADEMY OF AGRARIAN SCIENCES OF UKRAINE	Partner	Marginal lands for Growing Industrial Crops: Turning a burden into an opportunity	26	48	5 999 987,50 €	118 750
	МусоКеу	LIMITED LIABILITY COMPANY STREAMOZONE	Partner	Integrated and innovative key actions for mycotoxin management in the food and feed chain	34	48	6 742 136,25€	80 000
	MyToolBox	AGRO LV LIMITED	Partner	Safe Food and Feed through an Integrated ToolBox for Mycotoxin Management	23	48	5 243 123,75€	32 937
	NanoCornea	FILATOV INSTITUTE OF EYE DISEASES AND TISSUE THERAPY OF THE NATIONAL ACADEMY OF MEDICAL SCIENCES OF UKRAINE	Partner	Nanoscale fabricated corneal implants for endogenous regeneration	7	48	3 909 463, 75 €	313 110
	PROGRESS	SPACE RESEARCH INSTITUTE OF THE NATIONAL ACADEMY OF SCIENCES OF UKRAINE AND THE NATIONAL SPACE AGENCY OF UKRAINE	Partner	Prediction of Geospace Radiation Environment and solar wind parameters	8	36	2 358 232,00 €	114 968
	RRING	THE STATE FUND FOR FUNDAMENTAL RESEARCH OF UKRAINE	Partner	Responsible Research and Innovation Networked Globally	21	36	2 999 545,00 €	70 375
	SeaDataCloud	UKRAINIAN SCIENTIFIC CENTRE OF ECOLOGY OF THE SEA	Partner	SeaDataCloud - Further developing the pan-European infrastructure for marine and ocean data management	56	48	9 999 737,50€	37 250
	SENSKIN	STATE ENTERPRISE STATE ROAD SCIENTIFIC RESEARCH INSTITUTE NAMED AFTER M. P. SHULGIN	Partner	'SENsing SKIN' for Monitoring-Based Maintenance of the Transport Infrastructure (SENSKIN)	13	42	3 883 044,00 €	45 200
	SPEAR	G.E. PUKHOV INSTITUTE FOR MODELINGIN ENERGY ENGINEERING OF THE NATIONAL ACADEMY OF SCIENCES OF UKRAINE	Partner	SPEAR: Secure and PrivatE smArt gRid	17	36	2 965 597,50 €	82 125
TOTAL	24		I			I	131 917 562,25 €	2 674 590

Table 8. Ukrainian participations in <u>SME</u> projects.

Action TYPE	Acronim of projects on MAIN LIST	Organization name (in projects on MAIN LIST)	Role in the project	Project title	Number of partners	Project duration (months)	Project total cost	Planned EC Contributio
	EUWaste	FIRMA INSTYTUT ECOLOGII LIUDYNY-INEKO	Coordinator	Ecological Utilization of Waste	1	6	71 429,00€	50 000,0
	IMBIO	LIMITED LIABILITY COMPANY INTEGRO-SD	Coordinator	Innovative Manure Biofertilizers	1	6	71 429,00€	50 000,0
	PAALD	EXTRUSION IN MOTION LLC	Coordinator	Passive and Active Acoustic Leak Detection System	1	6	71 429,00€	50 000,0
SME-1	PassivDom	PASSIVDOM UKRAINE LIMITED LIABILTY COMPANY	Coordinator	Feasibility study for PassivDom – autonomous self- learning 3D-printed modular house	1	6	71 429,00 €	50 000,0
	SolarGaps	SOLARGAPS LLC	Coordinator	SolarGaps - Energy generating solar smart window blinds	1	6	71 429,00€	50 000,0
	TOPpipes	PRYVATNE PIDPRYIEMSTVO DOMINION	Coordinator	Technology for Onsite 3D Printing Production of Lengthy Large Diameter Polyethylene Pipes with Cellular Walls	1	6	71 429,00€	50 000,0
	xBeam	JOINT STOCK COMPANY NVO CHERNOVA HUILYA	Coordinator	xBeam 3D Metal Printing	1	6	71 429,00€	50 000,0
SME-2	PVCLOUD	LIMITED LIABILITY COMPANY POLYTEDA CLOUD	Coordinator	Innovative Cloud-Based PV Workflow for Semiconductor Foundries	1	24	1 744 125,00€	1 220 887,5
TOTAL	8	·	•				2 244 128,00€	1 570 887,

Table 9. Ukrainian participations in MSCA-IF-GF projects.

Action TYPE	Acronim of projects on MAIN LIST	Organization name (in projects on MAIN LIST)	Role in the project	Project title	Number of partners	Project duration (months)	Project total cost	Planned EC Contribution
MSCA-IF- GF	STRATNARRA	NATIONAL UNIVERSITY OF KYIV-MOHYLA ACADEMY		Russia's strategic narrative of the West: A study of influence in Ukraine	2	24	243 934,00€	152 207,00€
TOTAL	1						243 934,00€	152 207,00€

Table 10. Ukrainian participations in MSCA-COFUND-DP projects.

Action TYPE	Acronim of projects on MAIN LIST	Organization name (in projects on MAIN LIST)	Role in the project	Project title	Number of partners	Project duration (months)	Project total cost	Planned EC Contribution
MSCA-	Bio4Med	Institute of Cell Biology, National Academy of Sciences of Ukraine		International Doctoral Programme in Biological Bases of Human Diseases	23	60	2 302 080,00€	0,00€
DP	BIGSSS- departs	TARAS SHEVCHENKO NATIONAL UNIVERSITY OF KYIV		Bremen International Graduate School of Social Sciences - Doctoral Education in Partnerships	12	60	3 662 400,00 €	0,00€
TOTAL	2						5 964 480,00€	0,00€

Table 11. Ukrainian participations in MSCA-ITN-EID projects.

Action TYPE	Acronim of projects on MAIN LIST	Organization name (in projects on MAIN LIST)	Role in the project	Project title	Number of partners	Project duration (months)	Project total cost	Planned EC Contribution
MSCA-ITN-	BIGCHEM	ENAMINE LIMITED LIABILITY COMPANY,RESEARCH AND PRODUCTION ENTERPRISE	Partner Organisation	Big Data in Chemistry	17	48	2 555 534,16€	0,00€
EID	SAFER	ENAMINE LIMITED LIABILITY COMPANY,RESEARCH AND PRODUCTION ENTERPRISE	Partner	Selective Agonists For Serotonin Receptors	3	48	1 286 630,94€	483 878,16€
TOTAL	2						3 842 165,10€	483 878,16€

Table 12. Ukrainian participations in <u>MSCA-ITN-ETN</u> projects.

Action TYPE	Acronim of projects on MAIN LIST	Organization name (in projects on MAIN LIST)	Role in the project	Project title	Number of partners	Project duration (months)	Project total cost	Planned EC Contribution
MSCA-ITN- ETN	PRIDE	SCHMALHAUSEN INSTITUTE OF ZOOLOGY OF NATIONAL ACADEMY OF SCIENCES OF UKRAINE - IZNASU	Partner Organisation	Drivers of Pontocaspian biodiversity RIse and DEmise	17	48	3 797 027,00 €	0,00€
	AFGIS	ENAMINE LIMITED LIABILITY COMPANY,RESEARCH AND PRODUCTION ENTERPRISE	Partner Organisation	Accelerated Early staGe diScovery	27	48	3 836 995,92 €	0,00€
TOTAL	2						7 634 022,92 €	0,00€

Table 13. Ukrainian participations in MSCA-RISE projects.

tion TYPE	projects on MAIN LIST	Organization name (in projects on MAIN LIST)	Role in the project	Project title	Number of partners	duration (months)	Project total cost	Planned EC Contribut
	INTELUM	Institute for Scintillation Materials of National Academy of Sciences of Ukraine	Partner Organisation	International and intersectoral mobility to develop advanced scintillating fibres and Cerenkov fibres for new hadron and jet calorimeters for future colliders	16	48	1 093 500,00€	193 500,
		INSTITUTE OF MAGNETISM OF THE NATIONAL ACADEMY OF SCIENCE OF UKRAINE AND THE MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE	Partner Organisation					58 500,
	MagIC	DONETSK INSTITUTE FOR PHYSICS AND ENGINEERING NAMED AFTER O.O. GALKIN OF THE NATIONAL ACADEMY OF SCIENCESS OF UKRAINE	Partner Organisation	MagIC – Magnonics, Interactions and Complexity: a multifunctional aspects of spin wave dynamics	7	48	756 000,00€	198 000,
		Operation Operation <t< td=""><td></td><td>126 000</td></t<>		126 000				
	METCOPH	Chemistry NAS of Ukraine		photonic devices	5	48	688 500,00€	162 000
	TUMOCS	ENGINEERING of NASU	Organisation		8	duration (months) Project total cost (months) Project total cost (months) 48 1 093 500,00 (1 48 1 093 500,00 (1 48 756 000,00 (1 48 688 500,00 (1 48 814 500,00 (1 48 837 000,00 (1 48 8828 000,00 (1 48 8837 000,00 (1 48 283 500,00 (1 48 891 000,00 (1 48 8837 000,00 (1 48 883 00,00 (1 48 883 00,00 (1 48 891 000,00 (1 48 688 500,00 (1 48 972 000,00 (1 48 1 665 000,00 (1 48 1 111 500,00 (1 48 1 246 500,00 (1 48 1 008 00,00 (1	94 500	
		OF SCIENCES OF UKRAINE	Organisation					184 500
	AMMODIT	SIKORSKY KYIV POLYTECHNIC INSTITUTE	Organisation		6	48	837 000,00€	184 50
			Organisation					184 50
	GRAGE			Grey and green in Europe: elderly living in urban areas	10	48	828 000,00 €	126 00
	PANG	DANYLA HALYTSKOHO	Partner	Pathogen and Graphene	8	48	580 500,00€	76 50
	assymcurv	Molecular Cybernetics and Informatics		curvature on the functioning of membrane proteins	7	48	283 500,00€	9 00 94 50
	CARTHER				4	48	891.000.00.€	288 00
	CARTIEN				-		001000,00 0	81 00
	NANOGUARD 2AR	DONETSK INSTITUTE FOR PHYSICS AND ENGINEERING NAMED AFTER O.O. GALKIN OF THE NATIONAL ACADEMY		SOLUTION TO ENSURE SUSTAINABLE SAFEGUARD TO	13	48	1 386 000,00 €	72 00 189 00
	PELICO	ENAMINE LIMITED LIABILITY COMPANY, RESEARCH AND	Coordinator		4	48	688 500,00€	409 50
CA_RI	HUNTER	NAMED AFTER O.O. GALKIN OF THE NATIONAL ACADEMY	Partner	Advanced Humidity to Electricity Converter	9	48	873 000,00€	135 00
SE	CONIN		Partner	Effects of confinement on inhomogeneous systems	6	48	684 000,00€	94 50
	SPINSWITCH	UKRORGSYNTEZ	Partner	Multifunctional Spin Crossover Materials	7	48	954 000,00 €	360 00
	NanoMed	ONCOLOGY AND RADIOBIOLOGY OF NATIONAL ACADEMY OF SCIENCES OF UKRAINE			13	48	972 000,00€	162 00 40 50
	KEAC-BSR			Humanities: Europe and the Black Sea Region, late	12	48	1 665 000,00 €	54 00
	VAHVISTUS	INSTITUTE OF ORGANIC CHEMISTRY OF NATIONAL		Integrative development of smart drug-vector	7	48	1 111 500,00 €	220 50 198 00
	MILEAGE	LIMITED LIABILITY COMPANY RESEARCH AND PRODUCTION			5	48	864 000,00 €	162 00
	NANO2DAY	MATERIALS RESEARCH CENTER	Partner	WITH NOVEL 2D NANOPARTICLES FOR ADVANCED	11	48	1 246 500,00€	234 00
	NanoSurf	SUMY STATE UNIVERSITY	Partner	implant manufacturing		48	1 008 000,00 €	211 50
	ORBIS				9	48	2 268 000,00€	315 00
	DiCoMI				16	48	1 426 500,00€	130 50 36 00
	TransFerr	INSTITUTE OF PHYSICS OF NATIONAL ACADEMY OF		way towards superior ferroic properties	8	48	783 000,00€	54 00
	ENGIMA	NANOTECHCENTER LLC	Partner		4	48	837 000,00€	256 50
	IMAGE	ENTERPRISE OF PJSC CONCERN -ELECTRON		Nano Engineering of Anisotropic Materials for	9	48	1 692 000,00 €	261 00 216 00
	SHADOW	LVIV POLYTECHNIC NATIONAL UNIVERSITY	Coordinator	Energy Efficiency SHADOW: An exploration of the nature of informal	10	48	900 000,00 €	270 00 90 00
	CLATHROPRO	SUBSIDIARY COMPANY PRINCETON BIOMOLECULAR		region Chiroptical, optical and magnetic probes for protein			958 500,00 €	310 50
	BES SPINMULTIFIL M	RESEARCH LABS INSTITUTE OF MAGNETISM OF THE NATIONAL ACADEMY OF SCIENCE OF UKRAINE AND THE MINISTRY OF	Partner	sensing based on cage metal complexes Physical principles of the creation of novel SPINtronic materials on the base of MULTIlayered metal-oxide	7	48	558 000,00 €	
TOTAL	M 28	EDUCATION AND SCIENCE OF UKRAINE		FILMs for magnetic sensors and MRAM			27 648 000,00 €	6 633 00

Table 14. Ukrainian participations in <u>JTI-CS2-RIA</u> projects.

Action TYPE	Acronim of projects on MAIN LIST	Organization name (in projects on MAIN LIST)	Role in the project	Project title	Number of partners	Project duration (months)	Project total cost	Planned EC Contribution
ITL CS2		NATIONAL AEROSPACE UNIVERSITY KHARKIV AVIATION INSTITUTE NAMED BY N ZUKOVSKIY	Coordinator	A durante d Ada de Uliza - Ada Aba de La su fan Danasian				320 125,00 €
	RIA AMBEC	MOTOR SICH JSC	Partner	 Advanced Modelling Methodology for Bearing Chamber in Hot Environment 	3	36	1 699 668,75 €	830 000,00 \$
RIA		ZAPOROZHYE MACHINE-BUILDING DESIGN BUREAU PROGRESS STATE ENTERPRISE NAMED AFTER	Partner					549 543,75 🕯
TOTAL							1 699 668,75 €	1 699 668,75 €

Table 15. Ukrainian participations in JTI-FCH2-CSA projects.

Action TYPE	Acronim of projects on MAIN LIST	Organization name (in projects on MAIN LIST)	Role in the project	Project title	Number of partners	Project duration (months)	Project total cost	Planned EC Contribution
JTI-FCH2- CSA	TeacHy	NATIONAL TECHNICAL UNIVERSITY OF UKRAINE IGOR SIKORSKY KYIV POLYTECHNIC INSTITUTE	Partner	Teaching Fuel Cell and Hydrogen Science and Engineering Across Europe within Horizon 2020	12	36	1 248 528,75€	55 125,00€
TOTAL							1 248 528,75 €	55 125,00€

Table 16. Ukrainian participations in <u>IA</u> projects.

action TYPE	Acronim of projects on MAIN LIST	Organization name (in projects on MAIN LIST)	Role in the project	Project title	Number of partners	Project duration (months)	Project total cost	Planned EC Contributio
		STATE SPACE AGENCY OF UKRAINE	Partner					56 963,00
	UKRAINE	NATIONAL AVIATION UNIVERSITY	Partner	UKraine Replication, Awareness and INnovation based	9	21	1 429 254.00€	112 500,0
	1	NATIONAL TECHNICAL UNIVERSITY OF UKRAINE IGOR SIKORSKY KYIV POLYTECHNIC INSTITUTE	Partner	on EGNSS	9	21	1429234,00€	78 750,0
IA A	MODCOMP	YUZHNOYE DESIGN OFFICE NAMED AFTER MIKHAIL YANGEL	Partner	Modified cost effective fibre based structures with improved multi-functionality and performance	17	36	9 398 406, 25 €	442 645,0
	AGROinLOG	ASSOCIATION UKRAINIAN AGRIBUSINESSCLUB	Partner	Demonstration of innovative integrated biomass logistics centres for the Agro-industry sector in Europe	15	42	6 392 411,25€	60 328,
	CareSTOR	LIMITED LIABILITY COMPANY APOWERCAP, LLC APOWERCAP	Partner	Market Uptake of Sustainable and Competitive Carbons for Energy Storage	4	36	2 675 901,25€	419 562,
	GABLE	INTERNATIONAL CLINIC OF REHABILITATION LLC	Partner	GAmification for a BEtter Life	5	36	1 320 650,00€	190 916,
	NAVAIS	MARIN DIZAJN INGINIRING MYKOLAYIV	Partner	New, Avanced and Value-Added Innovative Ships	16	48	7 939 786,25€	95 321,
TOTAL	6						29 156 409.00 €	1 456 987,

Table 17. Ukrainian participations in CSA projects.

ction TYPE	projects on	Organization name (in projects on MAIN LIST)	Role in the project	Project title	Number of partners	Project duration (months)	Project total cost	Planned EC Contributi
		UZHGORODSKYI NACIONALNYI UNIVERSITET	Partner	ACCELERATing Europe's Leading Research Infrastructures	8	48	3 328 101,25 €	37 511
		NATIONAL ACADEMY OF SCIENCES OF UKRAINE NAS OF	Partner					99 125
		NATIONAL AEROSPACE UNIVERSITY KHARKIV AVIATION	Partner					134 125
			Partnor	Strategic and Targeted Support for Europe-Ukraine	٩	36	1 000 000 00 €	59.000
	/ Literes/			Collaboration in Aviation Research		50	1000000,0000	
IDN TYPE project on MAIN UST Organization name (in projects on MAIN UST) project ACCELERATE UZHGORODSKYI NACIONALNYI UNIVERSITET Partner NATIONAL ACADEMY OF SCIENCES OF UKRAINE NAS OF Partner NATIONAL ACADEMY OF SCIENCES OF UKRAINE NAS OF Partner NATIONAL AEROSPACE UNIVERSITY KHARKIV AVIATION Partner UKRAINIAN RESEARCH INSTITUTE OF AVIATION Partner ZAPOROZHYE MACHINE-BUILDING DESIGN BUREAU Partner PROGRESS STATE ENTERPRISE NAMED AFTER Partner Penergy4Busine NAUKOVO-TEHNICHNII CENTAR BIOMASA LLC Partner ACK SEA HORIZ STATE ORGANIZATION INSTITUTE FOR ECONOMICS AND FORECASTING UKRAINIAN NATIONAL ACADEMY OF Partner DANUBIUS-PP Odessa State Environmental University Partner EaP PLUS NATIONAL ACADEMY OF SCIENCES OF UKRAINE NAS OF Partner THE CENTRE FOR SCIENTIFIC AND TECHNICAL INFORMATION AND INNOVATION PROMOTION OF Partner EQUAL-IST SIMON KUZVETS KHARKIV NATIONAL UNIVERSITY OF ECONOMICS Partner FORBIO NAUKOVO-TEHNICHNII CENTAR BIOMASA LLC Partner FORBIO NAUKOVO-TEHNICHNII CENTAR BIOMASA LLC Partner <	1							
		ORRODSKVI NACIONALNYI UNIVERSITET Partner ACCELERATING Europe's Leading Research Infrastructures 8 48 3.328 101,25 € 37.51 ONAL ACADEMY OF SCIENCES OF UKRAINE NAS OF Partner Infrastructures 9 36 1.000.000,000 1.000.000,000 1.000.000,000 1.000.000,000 1.000.000,000 1.000.000,000 1.000.000,000 59.00 1.000.000,000 59.00 1.000.000,000 59.00 1.000.000,000 59.00 1.000.000,000 59.00 1.000.000,000 59.00 1.000.000,000 59.00 1.000.000,000 59.00 1.000.000,000 59.00 1.000.000,000 59.00 1.000.000,000 59.00 1.000.000,000 59.00 1.000.000,000 59.00 1.000.000,000 59.00 1.000.000,000 59.00 1.000.000,000 59.00 1.000.000,000 1.000.000,000 59.00 1.000.000,000 59.00 1.000.000,000 59.00 1.000.000,000 1.0000,000,000 1.000.000,000,000 1						
	penergy4Busine	NAUKOVO-TEHNICHNII CENTAR BIOMASA LLC	Partner	Sectors (Industry, Trade, Agricultural and Service	13	32	1 540 714,00 €	68 18
	ACK SEA HORIZO		Partner	÷ .	19	32	1 499 506,00 €	46 45
	DANUBIUS-PP	Odessa State Environmental University	Partner	RESEARCH INFRASTRUCTURE DANUBIUS-RI "THE INTERNATIONAL CENTRE FOR ADVANCED STUDIES ON	29	36	3 997 592,50 €	28 18
		NATIONAL ACADEMY OF SCIENCES OF UKRAINE NAS OF	Partner	STU International Cooperation Naturals for Eastern				76 18
	EaP PLUS		Partner		17	36	1 569 078,75 €	140 12
	EnPC-INTRANS	FIATU	Partner		10	24	1 922 871,00 €	121 94
CSA	EQUAL-IST		Partner		9	36	2 145 717,50€	123 50
	FORBIO	NAUKOVO-TEHNICHNII CENTAR BIOMASA LLC	Partner		12	36	1 941 581,25 €	86 81
	FREEWAT	TARAS SHEVCHENKO NATIONAL UNIVERSITY OF KYIV	Partner		17	30	1 411 163,00€	56 00
	KeepWarm	LLC KT-ENERGY	Partner		11	30	2 098 497,50 €	197 75
	MyOcean FO		Partner		59	6	6 008 000,00 €	79 04
	PARE	ZAPOROZHYE MACHINE-BUILDING DESIGN BUREAU		Perspectives for the Aeronautical Research in Europe	15	36	1 771 981,25€	
	RADIAN		Partner	Development to Foster Further Innovation in	10	36	1 996 662,50€	115 00
	SEEMLA	NATIONAL ACADEMY OF AGRARIAN SCIENCES OF UKRAINE		Sustainable exploitation of biomass for bioenergy from marginal lands in Europe	8	36	1 629 883,75 €	
	L							134 08
	uP_running			Take-off for sustainable supply of woody biomass from agrarian pruning and plantation removal	11	39	1 992 920,00 €	147 36 106 95
	VACTRAIN	R.E KAVETSKY INSTITUTE OF EXPERIMENTAL PATHOLOGY ONCOLOGY AND RADIOBIOLOGY OF NATIONAL ACADEMY	Partner	TWINNING ON DNA-BASED CANCER VACCINES	4	36	999 475,00 €	148 75
	WOSCAP	OF SCIENCES OF UKRAINE INSTITUT SVITOVOI POLITIKI	Partner	Whole-of-Society Conflict Prevention and Peacebuilding	10	30	1 990 115,00 €	51 36
TOTAL	17						35 515 759.00 €	2 400 44

Table 18. Ukrainian participations in <u>H2020-EEN-SGA</u> projects.

Action TYPE	Acronim of projects on MAIN LIST	Organization name (in projects on MAIN LIST)	Role in the project	Project title	Number of partners	Project duration (months)	Project total cost	Planned EC Contribution
		INSTITUTE OF PHYSICS OF NATIONAL ACADEMY OF SCIENCE OF UKRAINE	Coordinator					24 500,00€
H2020- EEN-SGA	EEN-Ukraine	UKRAINIAN CHAMBER OF COMMERCE AND INDUSTRY	Partner	Innovation capacity building in Ukrainian SMEs and	4	22	75 750.00€	24 500,00€
		NEW INTERNATIONAL CORPORATION LTD	Partner	enhancing cooperation with European SMEs	4	22	73730,00€	9 000,00 €
		TARAS SHEVCHENKO NATIONAL UNIVERSITY OF KYIV	Partner					17 750,00€
TOTAL	1						75 750,00€	75 750,00€

Table 19. Ukrainian participations in <u>SGA-RIA</u> projects.

Action TYPE	Acronim of projects on MAIN LIST	Organization name (in projects on MAIN LIST)	Role in the project	Project title	Number of partners	Project duration (months)	Project total cost	Planned EC Contribution
	GN4-1	ASSOCIATION OF USERS OF UKRAINIAN RESEARCH AND ACADEMIC NETWORK URAN	Partner	GN4-1 Research and Education Networking - GÉANT	38	12	43 117 180,00 €	23 746,00 €
SGA-RIA	GN4-2	ASSOCIATION OF USERS OF UKRAINIAN RESEARCH AND ACADEMIC NETWORK URAN	Partner	GN4-2 Research and Education Networking - GÉANT	39	32	95 904 005,75 €	16 256,00 €
TOTAL	2						139 021 185,75 €	40 002,00 €

Table 20. Ukrainian participation in projects by Action Type (signed Grant Agreements).

Action TYPE	Acronim	Organization name (signed GA)	Role in the project	Project title	Number of partners	duration	Project total cost	Contracted EC Contributio
		Institute for Nuclear Research of NAS of	PARTICIPANT	Implementation of activities described in the				0,0
COFUND-EJP	EUROfusion	LVIV POLYTECHNIC NATIONAL UNIVERSITY NATIONAL SCIENCE CENTER KHARKOV INSTITUTE OF PHYSICS AND TECHNOLOGY	PARTICIPANT	Roadmap to Fusion during Horizon 2020 through a Joint programme of the members of the	30	84	856 961 937,57€	0,0 306 000,7
		V. N. Karazin Kharkiv National University	PARTICIPANT	EUROfusion consortium				0,0
	ACCELERATE	UZHGORODSKYI NACIONALNYI UNIVERSITET	PARTICIPANT	ACCELERATing Europe's Leading Research Infrastructures	8	48	3 325 757,00€	37 511,0
		NATIONAL ACADEMY OF SCIENCES OF UKRAINE NAS OF UKRAINE	PARTICIPANT					99 125,0
		NATIONAL AEROSPACE UNIVERSITY KHARKIV AVIATION INSTITUTE NAMED BY N ZUKOVSKIY	PARTICIPANT					134 125,0
	AERO-UA	PUBLIC JOINT STOCK COMPANY FED	PARTICIPANT	Strategic and Targeted Support for Europe-	9	36	1 000 000,00 €	59 000,0
		UKRAINIAN RESEARCH INSTITUTE OF AVIATION TECHNOLOGY	PARTICIPANT	Ukraine Collaboration in Aviation Research				54 000,0
		ZAPOROZHYE MACHINE-BUILDING DESIGN BUREAU PROGRESS STATE ENTERPRISE NAMED AFTER ACADEMICIAN A.G. IVCHENKO	PARTICIPANT					72 125,0
	ALTFInator	LLC CIVITTA UKRAINE	PARTICIPANT	Capacity-building of the financial ecosystem and its participants for improving innovative SME's access to alternative forms of finance in Europe with focus on SE and CEE	11	24	1 499 252,28€	0,0
	Bioenergy4Busi ness	NAUKOVO-TEHNICHNII CENTAR BIOMASA LLC	PARTICIPANT	Uptake of Solid Bioenergy in European Commercial Sectors (Industry, Trade, Agricultural and Service Sectors) – Bioenergy for Business	13	32	1 540 713,75€	68 186,2
	BLACK SEA HORIZON	STATE ORGANIZATION INSTITUTE FOR ECONOMICS AND FORECASTING UKRAINIAN NATIONAL ACADEMY OF SCIENCES	PARTICIPANT	Enhanced bi-regional STI cooperation between the EU and the Black Sea Region	19	36	1 499 503,75 €	46 456,2
	COMPACT	NON-GOVERNMENTAL ORGANIZATION AGENCY OF EUROPEAN INNOVATIONS	PARTICIPANT	COMPACT: FROM RESEARCH TO POLICY THROUGH RAISING AWARENESS OF THE STATE OF THE ART ON SOCIAL MEDIA AND CONVERGENCE	15	36	999 562,50€	39 375,0
	DANUBIUS-PP	Odessa State Environmental University	PARTICIPANT	PREPARATORY PHASE FOR THE PAN-EUROPEAN RESEARCH INFRASTRUCTURE DANUBIUS-RI "THE INTERNATIONAL CENTRE FOR ADVANCED STUDIES ON RIVER-SEA SYSTEMS	29	36	3 996 405,00€	28 187,5
		NATIONAL ACADEMY OF SCIENCES OF UKRAINE NAS OF UKRAINE	PARTICIPANT					76 187,
	EaP PLUS	THE CENTRE FOR SCIENTIFIC AND TECHNICAL INFORMATION AND INNOVATION PROMOTION OF UKRAINE	PARTICIPANT	STI International Cooperation Network for Eastern Partnership Countries – PLUS	17	36	1 569 078,75€	140 125,
	EnPC-INTRANS		PARTICIPANT	Capacity Building on Energy Performance	10	24	1 922 870,85 €	121 943,
	EQUAL-IST	SIMON KUZNETS KHARKIV NATIONAL	PARTICIPANT	Contracting in European Markets in Transition Gender Equality Plans for Information Sciences	9	36	1 857 217,50€	123 500,
	FORAM	UNIVERSITY OF ECONOMICS STATE RESEARCH AND DEVELOPMENT ENTERPRISE STATE INFORMATION GEOLOGICAL	PARTICIPANT	and Technology Research Institutions Towards a World Forum on Raw Materials (FORAM)	12	24	1 542 437,50 €	0,
	FORBIO	FUND OF UKRAINE NAUKOVO-TEHNICHNII CENTAR BIOMASA LLC	PARTICIPANT	Fostering Sustainable Feedstock Production for	12	36	1 941 581,25 €	86 812,
	FOX	STATE ENTERPRISE STATE ROAD SCIENTIFIC RESEARCH INSTITUTE NAMED AFTER M. P.	PARTICIPANT	Advanced Biofuels on underutilised land in Forever Open infrastructure across (X) all	7	30	929 753,53 €	0,00012,0
CSA		SHULGIN TARAS SHEVCHENKO NATIONAL UNIVERSITY OF		transport modes FREE and open source software tools for WATer				
	FREEWAT	KYIV STATE RESEARCH AND DEVELOPMENT ENTERPRISE STATE INFORMATION GEOLOGICAL	PARTICIPANT	resource management INTERNATIONAL NETWORK OF RAW MATERIALS	19	30 36	1 583 912,50 € 1 266 021,25 €	56 000,0
		FUND OF UKRAINE		TRAINING CENTRES				
	INTRAW	UKRAINIAN ASSOCIATION OF GEOLOGISTS	PARTICIPANT	International cooperation on Raw materials Improving the performance of district heating	16	36	2 111 375,00 €	0,
	KeepWarm	LLC KT-ENERGY	PARTICIPANT	systems in Central and East Europe	11	30	2 098 497,50 €	197 750,
	KINDRA	UKRAINIAN ASSOCIATION OF GEOLOGISTS	PARTICIPANT	Knowledge Inventory for hydrogeology research	6	39	1 119 338,00€	0,
	Minland	STATE RESEARCH AND DEVELOPMENT ENTERPRISE STATE INFORMATION GEOLOGICAL FUND OF UKRAINE	PARTICIPANT	Mineral resources in sustainable land-use planning	22	24	1 498 691,25€	0,
		NATIONAL AVIATION UNIVERSITY ZAPOROZHYE MACHINE-BUILDING DESIGN	PARTICIPANT	Perspectives for the Aeronautical Research in				117 275,
	PARE	BUREAU PROGRESS STATE ENTERPRISE NAMED AFTER ACADEMICIAN A.G. IVCHENKO	PARTICIPANT	Europe	15	36	1 771 981,25€	60 000,
	ProSUM	STATE RESEARCH AND DEVELOPMENT ENTERPRISE STATE INFORMATION GEOLOGICAL FUND OF UKRAINE	PARTICIPANT	Prospecting Secondary raw materials in the Urban mine and Mining waste	18	36	3 704 327,57€	0,
	RADIAN	NATIONAL AEROSPACE UNIVERSITY KHARKIV AVIATION INSTITUTE NAMED BY N ZUKOVSKIY	PARTICIPANT	Facilitating Collaboration in ReseArch and Development to Foster Further Innovation in European AeroNautics	11	36	1 996 662,65€	115 000,
		MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE	PARTICIPANT					45 516,
	RI-LINKS2UA	NATIONAL ACADEMY OF SCIENCES OF UKRAINE NAS OF UKRAINE	PARTICIPANT	Strengthening Research and Innovation Links towards Ukraine	12	36	999 933,75€	67 906,
		THE CENTRE FOR SCIENTIFIC AND TECHNICAL INFORMATION AND INNOVATION PROMOTION OF UKRAINE	PARTICIPANT					106 406,
	SEEMLA	INSTITUTE OF BIOENERGY CROPS AND SUGAR BEET NATIONAL ACADEMY OF AGRARIAN SCIENCES OF UKRAINE	PARTICIPANT	Sustainable exploitation of biomass for bioenergy from marginal lands in Europe	8	36	1 629 883,75€	77 097,
		LIMITED LIABILITY COMPANY SALIX ENERGY ALL-UKRAINIAN CHARITABLE ORGANIZATION	PARTICIPANT					134 086,2
	Train-to-NZEB	"MUNICIPAL DEVELOPMENT INSTITUTE"	PARTICIPANT	Train-to-NZEB: The Building Knowledge Hubs	12	42	1 426 333,75€	51 562,
	uP_running	ASSOCIATION UKRAINIAN AGRIBUSINESSCLUB NAUKOVO-TEHNICHNII CENTAR BIOMASA LLC	PARTICIPANT PARTICIPANT	Take-off for sustainable supply of woody biomass from agrarian pruning and plantation removal	12	39	1 992 920,00€	140 633, 106 950,
	USE-IT	STATE ENTERPRISE STATE ROAD SCIENTIFIC RESEARCH INSTITUTE NAMED AFTER M. P. SHULGIN	PARTICIPANT	Users, Safety, security and Energy In Transport Infrastructure	8	24	955 624,72 €	0,
	VACTRAIN	R.E KAVETSKY INSTITUTE OF EXPERIMENTAL PATHOLOGY ONCOLOGY AND RADIOBIOLOGY OF NATIONAL ACADEMY OF SCIENCES OF UKRAINE	PARTICIPANT	TWINNING ON DNA-BASED CANCER VACCINES	4	36	999 475,00€	148 750,0
	WOSCAP	INSTITUT SVITOVOI POLITIKI	PARTICIPANT	Whole-of-Society Conflict Prevention and Peacebuilding	10	30	2 018 034,75 €	51 361,

Statistics and analyses of Ukrainian participation in FP HORIZON 2020 – updated after 457 calls

Action TYPE	Acronim	Organization name (signed GA)	Role in the project	Project title	Number of partners	Project duration (months)	Project total cost	Contracted EC Contributior
	AMMODIT	INSTITUTE OF APPLIED MATHEMATICS AND MECHANICS OF THE NATIONAL ACADEMY OF SCIENCE OF UKRAINE - IAMM NASU INSTITUTE OF MATHEMATICS OF THE NATIONAL	PARTICIPANT	Approximation Methods for Molecular Modelling		48	823 500,00 €	0,00
		ACADEMY OF SCIENCES OF UKRAINE NATIONAL TECHNICAL UNIVERSITY OF UKRAINE	PARTICIPANT	and Diagnosis Tools				0,00
	assymcurv	IGOR SIKORSKY KYIV POLYTECHNIC INSTITUTE INSTITUTE OF PHYSICS OF NATIONAL ACADEMY OF SCIENCE OF UKRAINE	COORDINATOR	The influence of the cell membrane asymmetry and curvature on the functioning of membrane	5	48	202 500,00 €	58 500,00
	CARTHER	MATERIALS RESEARCH CENTER CORPORATION SCIENCE PARK TARAS	PARTICIPANT	proteins and the transport of therapeutic Carbon-based nano-materials for theranostic	6	48	891 000,00 €	9 000,00 288 000,00
	CLATHROPROBE S	SHEVCHENKO UNIVERSITY OF KYIV SUBSIDIARY COMPANY PRINCETON BIOMOLECULAR RESEARCH LABS	PARTICIPANT	application Chiroptical, optical and magnetic probes for protein sensing based on cage metal complexes	5	48	958 500,00 €	310 500,00
	CoExAN	V.E. LASHKARYOV INSTITUTE OF SEMICONDUCTOR PHYSICS OF THE NATIONAL ACADEMY OF SCIENCE OF UKRAINE	PARTICIPANT	Collective Excitations in Advanced Nanostructures	5	48	1 003 500,00 €	0,00
	CONIN	INSTITUTE FOR CONDENSED MATTER PHYSICS OF THE NATIONAL ACADEMY OF SCIENCES OF UKRAINE	PARTICIPANT	Effects of confinement on inhomogeneous systems	5	48	684 000,00 €	139 500,00
	DiCoMI	LIMITED LIABILITY COMPANY CARBOLINE NATIONAL AEROSPACE UNIVERSITY KHARKIV	PARTICIPANT	Directional Composites through Manufacturing Innovation	13	48	1 426 500,00 €	36 000,00 130 500,00
	ENGIMA	AVIATION INSTITUTE NAMED BY N ZUKOVSKIY	PARTICIPANT	Engineering of Nanostructures with Giant Magneto-Piezoelectric and Multicaloric	3	48	936 000,00 €	319 500,00
	GRAGE	TARAS SHEVCHENKO NATIONAL UNIVERSITY OF KYIV	PARTICIPANT	Functionalities Grey and green in Europe: elderly living in urban areas	11	48	828 000,00 €	0,00
	HUNTER	DONETSK INSTITUTE FOR PHYSICS AND ENGINEERING NAMED AFTER O.O. GALKIN OF THE NATIONAL ACADEMY OF SCIENCESS OF	PARTICIPANT	Advanced Humidity to Electricity Converter	7	48	873 000,00 €	162 000,00
		LVIV POLYTECHNIC NATIONAL UNIVERSITY PRIVATE ENTERPRISE SOFTPARTNERS	COORDINATOR PARTICIPANT	Innovative Optical/Quasioptical Technologies and Nano Engineering of Anisotropic Materials				270 000,00 216 000,00
	IMAGE	SCIENTIFIC RESEARCH COMPANY CARAT - BRANCH ENTERPRISE OF PJSC CONCERN - ELECTRON	PARTICIPANT	for Creating Active Cells with Substantially Improved Energy Efficiency	9	48	1 692 000,00 €	261 000,00
	INTELUM	Institute for Scintillation Materials of National Academy of Sciences of Ukraine	PARTICIPANT	International and intersectoral mobility to develop advanced scintillating fibres and Cerenkov fibres for new hadron and iet	9	48	1 093 500,00 €	0,0
	KEAC-BSR	ODESSA NATIONAL I.I. MECHNIKOV UNIVERSITY	PARTICIPANT	Knowledge Exchange and Academic Cultures in the Humanities: Europe and the Black Sea Region, late 18th – 21st Centuries	9	48	1 665 000,00 €	63 000,0
		DONETSK INSTITUTE FOR PHYSICS AND ENGINEERING NAMED AFTER O.O. GALKIN OF THE NATIONAL ACADEMY OF SCIENCESS OF	PARTICIPANT					0,0
		DONETSK NATIONAL UNIVERSITY INSTITUTE OF MAGNETISM OF THE NATIONAL	PARTICIPANT	MagIC – Magnonics, Interactions and Complexity:		40	756 000,00 €	0,0
MSCA-RISE	<u>r</u>	ACADEMY OF SCIENCE OF UKRAINE AND THE MINISTRY OF EDUCATION AND SCIENCE OF NATIONAL TECHNICAL UNIVERSITY OF UKRAINE	PARTICIPANT	a multifunctional aspects of spin wave dynamics	4	48	/56 000,00 €	0,0
		IGOR SIKORSKY KYIV POLYTECHNIC INSTITUTE V. N. Karazin Kharkiv National University	PARTICIPANT					0,0
	МЕТСОРН	V.I.Vernadskii Institute of General and Inorganic Chemistry NAS of Ukraine	PARTICIPANT	Metallocomplexes of macrocyclic compounds for photonic devices	3	48	688 500,00 €	0,0
	MILEAGE	LIMITED LIABILITY COMPANY RESEARCH AND PRODUCTION ENTERPRISE I.F. LAB	PARTICIPANT	Microelements in Life Expectancy and Aging	4	48	864 000,00 €	211 500,0
	NANO2DAY	MATERIALS RESEARCH CENTER	PARTICIPANT	MULTIFUNCTIONAL POLYMER COMPOSITES DOPED WITH NOVEL 2D NANOPARTICLES FOR ADVANCED APPLICATIONS	9	48	1 246 500,00 €	243 000,0
		DONETSK INSTITUTE FOR PHYSICS AND ENGINEERING NAMED AFTER O.O. GALKIN OF THE NATIONAL ACADEMY OF SCIENCESS OF UKRAINE	PARTICIPANT	NANOMATERIALS-BASED INNOVATIVE ENGINEERING SOLUTION TO ENSURE	14	48	1 386 000,00 €	216 000,0
		MATERIALS RESEARCH CENTER NANOTECHCENTER LLC	PARTICIPANT PARTICIPANT	SUSTAINABLE SAFEGUARD TO INDOOR AIR				81 000,0 72 000,0
		R.E KAVETSKY INSTITUTE OF EXPERIMENTAL PATHOLOGY ONCOLOGY AND RADIOBIOLOGY OF NATIONAL ACADEMY OF SCIENCES OF	PARTICIPANT	Nanoporous and Nanostructured Materials for	11	48	972 000,00 €	189 000,0
		TOV NAUKOVO VYROBNICHE PIDRIEMSTVOTEHNOLOGIKA	PARTICIPANT	Medical Applications				49 500,0
	NanoSurf	SUMY STATE UNIVERSITY	PARTICIPANT	Nanostructural surface development for dental implant manufacturing	7	48	1 008 000,00 €	211 500,0
	ORBIS	JOINT STOCK COMPANY FARMAK LVIVSKYI NATIONALNYI MEDYCHNYI	PARTICIPANT	Open Research Biopharmaceutical Internships Support	8	48	2 268 000,00 €	315 000,0
	PANG	UNIVERSYTET IMENI DANYLA HALYTSKOHO ENAMINE LIMITED LIABILITY	PARTICIPANT	Pathogen and Graphene Peptidomimetics with photocontrolled biological	8	48	580 500,00 €	76 500,0
	PELICO	COMPANY, RESEARCH AND PRODUCTION ENTERPRISE KIEV INTERNATIONAL INSTITUTE OF SOCIOLOGY	COORDINATOR	activity SHADOW: An exploration of the nature of	4	48	688 500,00 €	409 500,0
	SHADOW	LLC INSTITUTE OF MAGNETISM OF THE NATIONAL	PARTICIPANT	informal economies and shadow practices in the former USSR region Physical principles of the creation of novel	7	48	900 000,00 €	90 000,0
		ACADEMY OF SCIENCE OF UKRAINE AND THE MINISTRY OF EDUCATION AND SCIENCE OF	PARTICIPANT	SPINtronic materials on the base of MULTIlayered metal-oxide FILMs for	6	48	558 000,00 €	90 000,0
	SPINSWITCH TransFerr	UKRORGSYNTEZ INSTITUTE OF PHYSICS OF NATIONAL ACADEMY	PARTICIPANT	Multifunctional Spin Crossover Materials Transition metal oxides with metastable phases:	7	48 48	954 000,00 € 783 000,00 €	360 000,0 63 000,0
	TUMOCS	OF SCIENCE OF UKRAINE INSTITUTE FOR LOW TEMPERATURE PHYSICS	PARTICIPANT	a way towards superior ferroic properties TUneable Multiferroics based on oxygen	6	48	814 500,00 €	0,0
		AND ENGINEERING of NASU INSTITUTE OF ORGANIC CHEMISTRY OF	PARTICIPANT	OCtahedral Structures Integrative development of smart drug-vector				292 500,0
	VAHVISTUS	NATIONAL ACADEMY SCIENCES OF UKRAINE JOINT STOCK COMPANY FARMAK	PARTICIPANT	nanostructures for adaptive delivery to target cells	4	48	1 111 500,00 €	220 500,0

Action TYPE	Acronim	Organization name (signed GA)	Role in the project	Project title	Number of partners	duration	Project total cost	Contracted EC Contribution
	ESSANUF	NATIONAL SCIENCE CENTER KHARKOV INSTITUTE OF PHYSICS AND TECHNOLOGY	PARTICIPANT	European Supply of SAfe NUclear Fuel	9	26	2 053 913,75 €	112 750,00
	ANIMA	NATIONAL AVIATION UNIVERSITY	PARTICIPANT	Aviation Noise Impact Management through Novel Approaches	22	48	7 645 118,00 €	71 375,00
	CHPM2030	UKRAINIAN ASSOCIATION OF GEOLOGISTS	PARTICIPANT	Combined Heat, Power and Metal extraction from ultra-deep ore bodies	13	42	4 235 567,50 €	0,00
	DIABOLO	Ukrainian National Forestry University	PARTICIPANT	Distributed, integrated and harmonised forest information for bioeconomy outlooks	33	48	4 998 970,00 €	10 233,75
	ENABLE.EU	CENTRE FOR GLOBAL STUDIES STRATEGY XXI	PARTICIPANT	Enabling the Energy Union through understanding the drivers of individual and	12	36	3 337 416,25 €	95 687,50
	EQUINOX	YUZHNOYE DESIGN OFFICE NAMED AFTER MIKHAIL YANGEL	PARTICIPANT	collective energy choices in Europe A novel process for manufacturing complex shaped Fe-Al intermetallic parts resistant to extreme environments	11	36	4 678 345,00 €	316 095,00
	EU-LISTCO	UKRAINIAN INSTITUTE FOR PUBLIC POLICY CIVIC ORGANIZATION	PARTICIPANT	Europe's External Action and the Dual Challenges of Limited Statehood and Contested Orders	13	36	4 989 936,75 €	118 745,00
	EUNPACK	NATIONAL UNIVERSITY OF KYIV-MOHYLA ACADEMY	PARTICIPANT	Good intentions, mixed results – A conflict sensitive unpacking of the EU comprehensive approach to conflict and crisis mechanisms	13	36	2 495 678,75 €	60 078,00
	EUROlinkCAT	INTERNATIONAL CHARITABLE FUND OMNI-NET FOR CHILDREN	PARTICIPANT	EUROlinkCAT: Establishing a linked European Cohort of Children with Congenital Anomalies	22	60	7 348 072,75 €	42 495,00
	EU-STRAT	UKRAINIAN INSTITUTE FOR PUBLIC POLICY CIVIC ORGANIZATION	PARTICIPANT	EU-STRAT - The EU and Eastern Partnership Countries: An Inside-Out Analysis and Strategic Assessment	11	36	2 665 138,75 €	153 750,00
	EXCEPT	INTERNATIONAL CIVIC ORGANISATION KYIV ECONOMICS INSTITUTE	PARTICIPANT	Discial Exclusion of Youth in Europe: Cumulative Disadvantage, Coping Strategies, Effective Policies and Transfer	10	36	2 497 416,25 €	96 500,00
	Flintstone2020	V.N. BAKUL INSTITUTE FOR SUPERHARD MATERIALS OF THE NATIONAL ACADEMY OF SCIENCES	PARTICIPANT	Next generation of superhard non-CRM materials and solutions in tooling	9	48	4 996 180,00 €	324 375,00
RIA	GASVESSEL	PUBLIC JOINT STOCK COMPANY ENGINEERING AND PRODUCTION ENTERPRISE VNIPITRANSGAZ	PARTICIPANT	Compressed Natural Gas Transport System	13	48	11 997 162,50 €	243 412,50
	INFACT	UKRAINIAN ASSOCIATION OF GEOLOGISTS	PARTICIPANT	Innovative, Non-invasive and Fully Acceptable Exploration Technologies	17	36	5 624 029,59 €	0,00
	INSIDER	LIMITED LIABILITY COMPANY ENERGORISK	PARTICIPANT	Improved Nuclear Site characterization for waste minimization in DD operations under constrained EnviRonment	18	48	4 173 870,00 €	30 462,50
	MAGIC	INSTITUTE OF BIOENERGY CROPS AND SUGAR BEET NATIONAL ACADEMY OF AGRARIAN SCIENCES OF UKRAINE	PARTICIPANT	Marginal lands for Growing Industrial Crops: Turning a burden into an opportunity	25	48	5 999 987,50 €	118 750,00
	МусоКеу	LIMITED LIABILITY COMPANY STREAMOZONE	PARTICIPANT	Integrated and innovative key actions for mycotoxin management in the food and feed chain	32	48	6 431 361,25 €	80 000,00
	MyToolBox	AGRO LV LIMITED	PARTICIPANT	Safe Food and Feed through an Integrated ToolBox for Mycotoxin Management	23	48	5 243 123,75 €	32 937,50
	OpenHeritage	CENTER FOR URBAN HISTORY OF EAST CENTRAL EUROPE	PARTICIPANT	Organizing, Promoting and ENabling HEritage Re- use through Inclusion, Technology, Access, Governance and Empowerment	16	48	4 992 812,50 €	73 187,50
	PROGRESS	SPACE RESEARCH INSTITUTE OF THE NATIONAL ACADEMY OF SCIENCES OF UKRAINE AND THE NATIONAL SPACE AGENCY OF UKRAINE	PARTICIPANT	Prediction of Geospace Radiation Environment and solar wind parameters	9	43	2 359 235,00 €	114 967,50
	RRING	THE STATE FUND FOR FUNDAMENTAL RESEARCH OF UKRAINE	PARTICIPANT	Responsible Research and Innovation Networked Globally	21	36	2 999 545,00 €	70 375,00
	SeaDataCloud	UKRAINIAN SCIENTIFIC CENTRE OF ECOLOGY OF THE SEA	PARTICIPANT	SeaDataCloud - Further developing the pan- European infrastructure for marine and ocean data management	56	48	9 999 737,50 €	37 250,00
	SENSKIN	STATE ENTERPRISE STATE ROAD SCIENTIFIC RESEARCH INSTITUTE NAMED AFTER M. P. SHULGIN	PARTICIPANT	SENSing SKIN' for Monitoring-Based Maintenance of the Transport Infrastructure (SENSKIN)	14	48	3 883 041,63€	45 200,00
	SPEAR	G.E. PUKHOV INSTITUTE FOR MODELINGIN ENERGY ENGINEERING OF THE NATIONAL ACADEMY OF SCIENCES OF UKRAINE	PARTICIPANT	SPEAR: Secure and PrivatE smArt gRid	16	36	2 965 569,14€	96 125,00
	UNEXMIN	UKRAINIAN ASSOCIATION OF GEOLOGISTS	PARTICIPANT	Autonomous Underwater Explorer for Flooded Mines	13	45	4 862 865,00 €	0,00

Statistics and analyses of Ukrainian participation in FP HORIZON 2020 – updated after 457 calls

Action TYPE	Acronim	Organization name (signed GA)	Role in the project	Project title	Number of partners	Project duration (months)	Project total cost	Contracted EC Contribution
ERA-NET-Cofund	ERA-PLANET	SPACE RESEARCH INSTITUTE OF THE NATIONAL ACADEMY OF SCIENCES OF UKRAINE AND THE NATIONAL SPACE AGENCY OF UKRAINE	PARTICIPANT	The European network for observing our changing planet	38	60	37 323 152,45 €	483 216,25 (
	GeoERA	STATE RESEARCH AND DEVELOPMENT ENTERPRISE STATE INFORMATION GEOLOGICAL FUND OF UKRAINE	PARTICIPANT	Establishing the European Geological Surveys Research Area to deliver a Geological Service for Europe	48	60	31 303 030,39€	203 793,45
		DNIPROPETROVSK'S REGIONAL PUBLIC ORGANIZATION DNEPR ASSOCIATION SPOZHYVACH	PARTICIPANT					0,00 €
		INSTITUTE OF PHYSICS OF NATIONAL ACADEMY OF SCIENCE OF UKRAINE	COORDINATOR					24 500,00 🤅
H2020-EEN-SGA	EEN-Ukraine	MINISTRY OF ECONOMIC DEVELOPMENT AND TRADE OF UKRAINE	PARTICIPANT	Innovation capacity building in Ukrainian SMEs and enhancing cooperation with European SMEs	7	20	75 750,00 €	0,00
		MINISTRY OF FOREIGN AFFAIRS	PARTICIPANT					0,00
		NEW INTERNATIONAL CORPORATION LTD TARAS SHEVCHENKO NATIONAL UNIVERSITY OF	PARTICIPANT					9 000,00
		KYIV UKRAINIAN CHAMBER OF COMMERCE AND INDUSTRY	PARTICIPANT					24 500,00
	AGROinLOG	ASSOCIATION UKRAINIAN AGRIBUSINESSCLUB	PARTICIPANT	Demonstration of innovative integrated biomass logistics centres for the Agro-industry sector in Europe	15	42	6 385 661,25 €	60 328,75 6
	CareSTOR	LIMITED LIABILITY COMPANY APOWERCAP, LLC APOWERCAP	PARTICIPANT	Market Uptake of Sustainable and Competitive Carbons for Energy Storage	4	36	2 675 901,25 €	323 925,00
	GABLE	INTERNATIONAL CLINIC OF REHABILITATION LLC	PARTICIPANT	GAmification for a BEtter Life	5	36	1 320 650,00 €	190 916,25
IA	MODCOMP	YUZHNOYE DESIGN OFFICE NAMED AFTER MIKHAIL YANGEL	PARTICIPANT	Modified cost effective fibre based structures with improved multi-functionality and performance	17	48	9 398 406,25 €	442 645,00
	NAVAIS	MARIN DIZAJN INGINIRING MYKOLAYIV	PARTICIPANT	New, Avanced and Value-Added Innovative Ships	16	48	7 939 786,25 €	95 321,63 (
		NATIONAL AVIATION UNIVERSITY	PARTICIPANT					112 500,00
	UKRAINE	NATIONAL TECHNICAL UNIVERSITY OF UKRAINE IGOR SIKORSKY KYIV POLYTECHNIC INSTITUTE	PARTICIPANT	UKraine Replication, Awareness and INnovation based on EGNSS	10	21	1 429 252,85 €	78 750,00 4
		STATE SPACE AGENCY OF UKRAINE	PARTICIPANT					56 963,00
		MOTOR SICH JSC	PARTICIPANT					830 000,00 4
JTI-CS2-RIA	AMBEC	NATIONAL AEROSPACE UNIVERSITY KHARKIV AVIATION INSTITUTE NAMED BY N ZUKOVSKIY	COORDINATOR	Advanced Modelling Methodology for Bearing Chamber in Hot Environment	3	36	1 699 668,75 €	320 125,00
		ZAPOROZHYE MACHINE-BUILDING DESIGN BUREAU PROGRESS STATE ENTERPRISE NAMED AFTER ACADEMICIAN A.G. IVCHENKO	PARTICIPANT					549 543,75 (
JTI-FCH2-CSA	ТеасНу	NATIONAL TECHNICAL UNIVERSITY OF UKRAINE IGOR SIKORSKY KYIV POLYTECHNIC INSTITUTE	PARTICIPANT	Teaching Fuel Cell and Hydrogen Science and Engineering Across Europe within Horizon 2020	12	36	1 248 528,75 €	55 125,00 (
MSCA-COFUND-	BIGSSS-departs	TARAS SHEVCHENKO NATIONAL UNIVERSITY OF KYIV	PARTICIPANT	Bremen International Graduate School of Social Sciences - Doctoral Education in Partnerships	1	60	3 662 400,00 €	0,00 (
DP	Bio4Med	Institute of Cell Biology, National Academy of Sciences of Ukraine	PARTICIPANT	International Doctoral Programme in Biological Bases of Human Diseases	1	60	4 604 160,00 €	0,00
MSCA-IF-GF	STRATNARRA	NATIONAL UNIVERSITY OF KYIV-MOHYLA ACADEMY	PARTICIPANT	Russia's strategic narrative of the West: A study of influence in Ukraine	1	36	243 934,20 €	0,00
	BIGCHEM	ENAMINE LIMITED LIABILITY COMPANY,RESEARCH AND PRODUCTION ENTERPRISE	PARTICIPANT	Big Data in Chemistry	9	48	2 555 534,16 €	0,00 €
MSCA-ITN-EID	SAFER	ENAMINE LIMITED LIABILITY COMPANY,RESEARCH AND PRODUCTION ENTERPRISE	PARTICIPANT	Selective Agonists For Serotonin Receptors	3	48	1 286 630,94€	483 878,16
	AEGIS	ENAMINE LIMITED LIABILITY COMPANY, RESEARCH AND PRODUCTION ENTERPRISE	PARTICIPANT	Accelerated Early staGe drug diScovery	11	48	3 836 995,92 €	0,00 €
MSCA-ITN-ETN	PRIDE	I.I. SCHMALHAUSEN INSTITUTE OF ZOOLOGY OF NATIONAL ACADEMY OF SCIENCES OF UKRAINE - IZNASU	PARTICIPANT	Drivers of Pontocaspian biodiversity RIse and DEmise	10	48	3 784 088,60 €	0,00 (

Statistics and analyses of Ukrainian participation in FP HORIZON 2020 – updated after 457 calls

Action TYPE	Acronim	Organization name (signed GA)	Role in the project	Project title	Number of partners	Project duration (months)	Project total cost	Contracted EC Contributior
	BELLA-S1	ASSOCIATION OF USERS OF UKRAINIAN RESEARCH AND ACADEMIC NETWORK URAN	PARTICIPANT	BELLA-S1 Building Europe Link with Latin America	40	48	12 448 490,00 €	0,00
SGA-RIA	GN4-1	ASSOCIATION OF USERS OF UKRAINIAN RESEARCH AND ACADEMIC NETWORK URAN	PARTICIPANT	GN4-1 Research and Education Networking - GÉANT	40	16	44 177 389,50 €	19 646,00
	GN4-2	ASSOCIATION OF USERS OF UKRAINIAN RESEARCH AND ACADEMIC NETWORK URAN	PARTICIPANT	GN4-2 Research and Education Networking - GÉANT	40	32	95 904 005,75 €	16 256,00
	EUWaste	FIRMA INSTYTUT ECOLOGII LIUDYNY-INEKO	COORDINATOR	Ecological Utilization of Waste	1	6	71 429,00 €	50 000,00
	IMBIO	LIMITED LIABILITY COMPANY INTEGRO-SD	COORDINATOR	Innovative Manure Biofertilizers	1	6	71 429,00 €	50 000,00
	PAALD	EXTRUSION IN MOTION LLC	COORDINATOR	Passive and Active Acoustic Leak Detection System	1	6	71 429,00 €	50 000,0
SME-1	PassivDom	PASSIVDOM UKRAINE LIMITED LIABILTY COMPANY	COORDINATOR	Feasibility study for PassivDom – autonomous self- learning 3D-printed modular house	1	6	71 429,00 €	50 000,0
	SolarGaps	SOLARGAPS LLC	COORDINATOR	SolarGaps - Energy generating solar smart window blinds	1	4	71 429,00 €	50 000,0
	TOPpipes	PRYVATNE PIDPRYIEMSTVO DOMINION	COORDINATOR	Technology for Onsite 3D Printing Production of Lengthy Large Diameter Polyethylene Pipes with	1	6	71 429,00 €	50 000,0
	xBeam	JOINT STOCK COMPANY NVO CHERNOVA HUILYA	COORDINATOR	xBeam 3D Metal Printing	1	6	71 429,00 €	50 000,0
SME-2	PVCLOUD	LIMITED LIABILITY COMPANY POLYTEDA CLOUD	COORDINATOR	Innovative Cloud-Based PV Workflow for Semiconductor Foundries	1	24	1 744 125,00 €	1 220 887,5
TOTAL	113						474 149 028,72 €	16 047 515,8

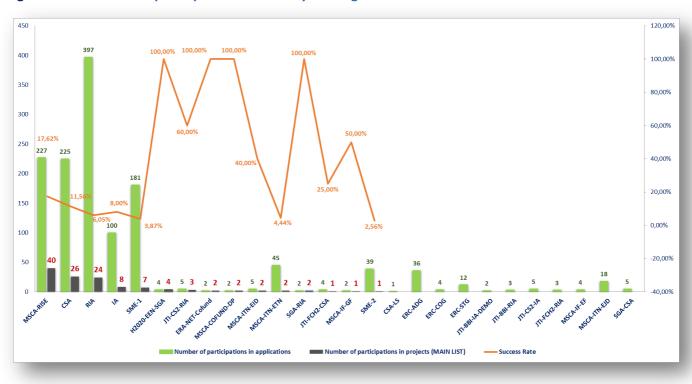
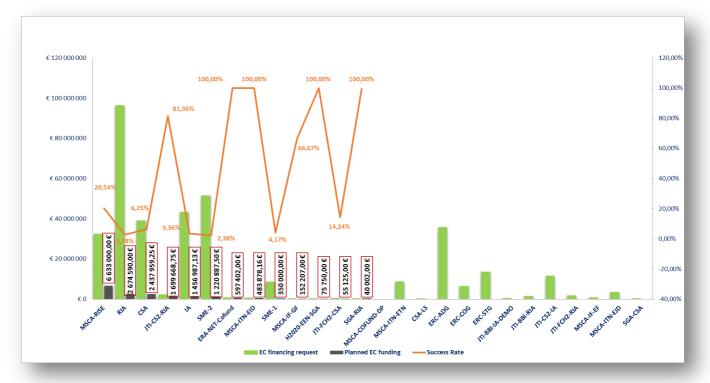


Figure 5. Ukrainian participation in H2020 by funding instruments.

Figure 6. Gained EC contribution for Ukrainian co-ordinators by funding instruments.



Ukrainian teams will receive the highest subsidies for applications submitted to Marie Skłodowska Curie - RISE (6.63 M€), research projects (RIA - 2.67 M€) and coordination and support actions (CSA - 2.44 M€).

Ukrainian organizations achieved the highest effectiveness (100%) in securing financing in ERA-NET-COFUND, MSCA-ITN-EID, SGA-RIA and H2020-EEN-SGA (Figure 6).

Ukrainian participation in HORIZON 2020 - in relation to its potential

General information (Source: eCORDA data bases - release 9.0, The World Bank data bases)

			Ukraine
	al	Population [millions]	44,80
Basic	statistical data	Gross Domestic Product [B€]	0,81
Ba	atis da	Number of researchers (FTE)	53 835
1	st	Total GERD [B€]	0,63
		Number of participations in submitted H2020 proposals	1 333
		including coordinations	314
9	0	Number of participations in projects on MAIN LIST	125
	HORIZON 2020	including coordinations	13
	Z	Number of participation in projects (signed GAs)	150
1	DZI	including coordinations	13
40	OR	Granted EC Funds (MAIN LIST)	17 877 457 €
-	Ĩ	including coordinations	<mark>2</mark> 689 513 €
		Granted EC Funds (signed GAs)	16 737 278 €
		including coordinations	2 653 513 €

Projects (MAIN LIST)	Ukraine
The size of the grant per 1 researcher (FTE)	332€
The size of the grant per 1 mln population	399 050 €
The size of the grant per 1000 € GERD	28€
The size of the grant per 1 mln € GDP	22 033 €

 Table 21.
 Gained EC Contribution in H2020 projects in reference to Ukrainian potential.

Projects (signed GAs)	Ukraine
The size of the grant per 1 researcher (FTE)	311€
The size of the grant per 1 mln population	373 600 €
The size of the grant per 1000 € GERD	27€
The size of the grant per 1 mln € GDP	20 628 €

Table 22. EC funding gained by Ukrainian coordinators in reference to their potential.

Coordinations (MAIN LIST)	Ukraine
The size of the grant per 1 researcher (FTE)	50€
The size of the grant per 1 mln population	60 034 €
The size of the grant per 1000 € GERD	4€
The size of the grant per 1 mln € GDP	3 315 €

Coordinations (signed GAs)	Ukraine
The size of the grant per 1 researcher (FTE)	49 €
The size of the grant per 1 mln population	59 230 €
The size of the grant per 1000 € GERD	4€
The size of the grant per 1 mln € GDP	3 270 €

Ukraine in HORIZON 2020 – among Associated & Candidate Countries

Below in Figure 7, 8, 9 and 10, we have included basic statistics of Ukraine's participation in H2020 among all of the Associated & Candidate Countries. The first two graphs show the participation in complex and agreed on funding requests and the funding which has been accepted by the EC. The next two graphs show respectively the participation of the Ukraine among the Associated & Candidate Countries in relation to their coordination proposals and coordination placed on the MAIN LIST. Numbers representing participation and promised EC contribution are shown only for Ukraine.

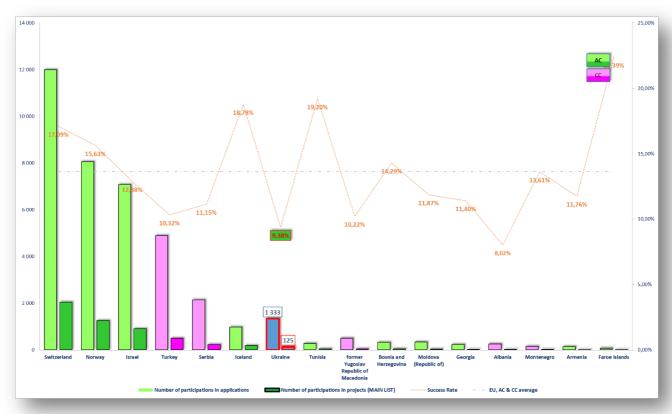
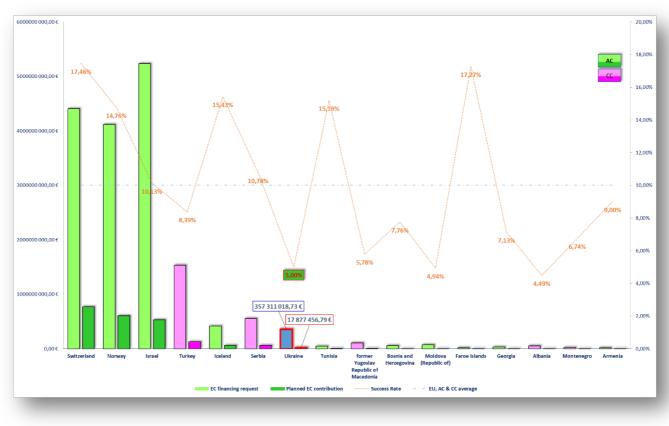


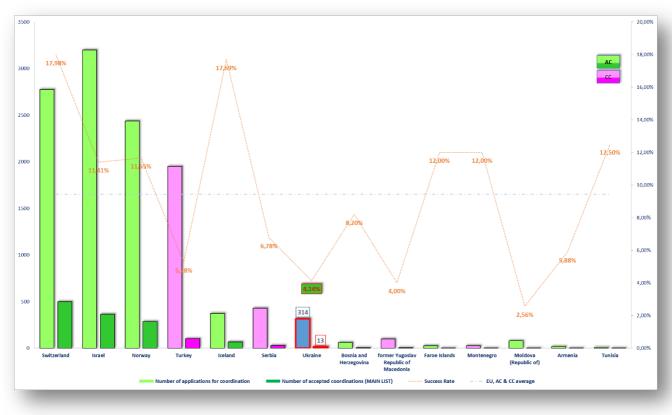
Figure 7. Submitted and awarded AC & CC proposals (MAIN LIST).

Ukraine is in 7th place among Associated & Candidate Countries in terms of the number of projects on the MAIN LIST and planned EC Contribution (Figure 9) as well. Ukraine maintains the same position in with regards to coordination (both in the number of accepted proposals and awarded EC Contributions).

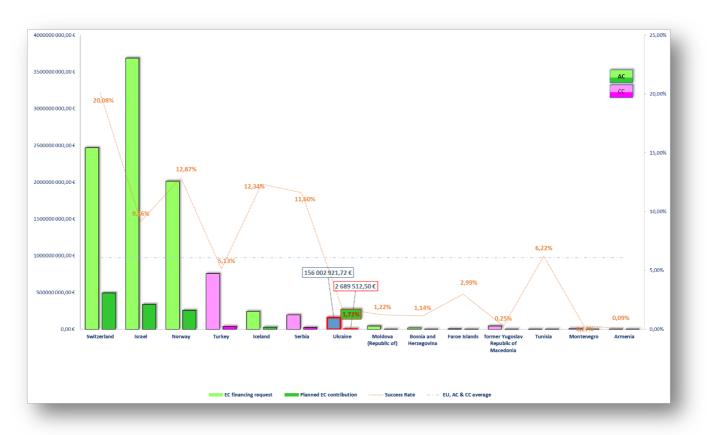












Ukraine in HORIZON 2020 – among EU, Associated & Candidate Countries

Table 23. Summary data for EU, AC & CC (in alphabetic order)

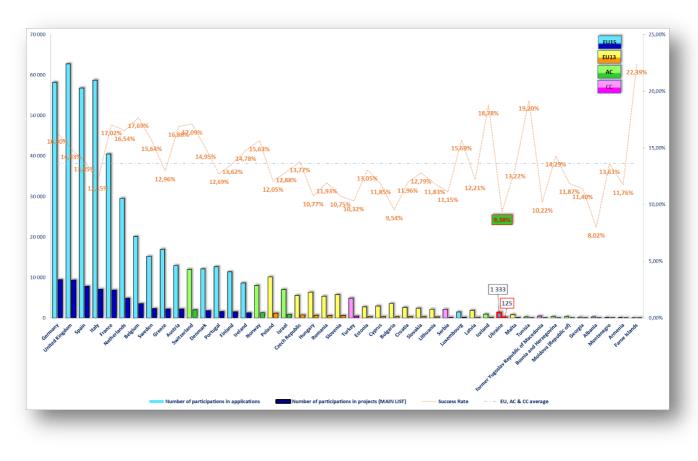
Country	Number of participations in submitted proposals	Number of participations in projects on MAIN LIST	Requeated EC Funds	Planned EC Contribution (MAIN LIST)	Success Rate (participation)	Success Rate (funds)
Albania	262	21	52 279 393,99€	2 345 818,00€	8,02%	4,49%
Armenia	136	16	16 547 421,56€	1 489 967,50€	11,76%	9,00%
Austria	12 959	2 188	5 536 747 476,69 €	871 431 261,15 €	16,88%	15,74%
Belgium	20 139	3 562	8 202 576 511,91 €	1 427 948 660,65 €	17,69%	17,41%
Bosnia and Herzegov	322	46	56 767 035,91€	4 403 641,38€	14,29%	7,76%
Bulgaria	3 543	338	1 002 760 436,40 €	60 424 232,31 €	9,54%	6,03%
Croatia	2 650	317	722 208 326,04 €	54 903 106,71 €	11,96%	7,60%
Cyprus	2 980	353	985 874 631,48€	96 351 037,80€	11,85%	9,77%
Czech Republic	5 584	769	1 752 506 325,74 €	189 211 592,87 €	13,77%	10,80%
Denmark	12 148	1 816	6 087 939 997,57 €	771 903 086,41 €	14,95%	12,68%
Estonia	2 751	359	1 023 854 442,36 €	103 426 176,57 €	13,05%	10,10%
Faroe Islands	67	15	15 804 796,39€	2 730 168,36 €	22,39%	17,27%
Finland	11 385	1 551	6 217 591 274,45 €	642 165 209,80 €	13,62%	10,33%
former Yugoslav Rep	499	51	109 066 484,68 €	6 308 489,23 €	10,22%	5,78%
France	40 482	6 892	19 877 189 385,92 €	3 208 278 210,30 €	17,02%	16,14%
Georgia	228	26	34 450 025,65 €	2 457 809,25€	11,40%	7,13%
Germany	58 159	9 480	28 367 002 290,83 €	5 011 439 696,77 €	16,30%	17,67%
Greece	16 973	2 200	5 924 810 199,55 €	695 068 934,49 €	12,96%	11,73%
Hungary	6 359	685	2 247 545 284,05 €	185 993 255,53 €	10,77%	8,28%
Iceland	980	184	417 645 212,83€	64 456 675,02 €	18,78%	15,43%
Ireland	8 632	1 276	4 078 971 918,31 €	513 080 434,34 €	14,78%	12,58%
Israel	7 078	912	5 233 102 065,03 €	530 301 813,85 €	12,88%	10,13%
Italy	58 746	7 140	23 629 962 523,75 €	2 483 461 683,55 €	12,15%	10,51%
Latvia	1 867	228	553 039 302,84 €	47 066 418,35 €	12,21%	8,51%
Lithuania	2 155	255	521 940 956,05 €	38 199 024,96 €	11,83%	7,32%
Luxembourg	1 466	230	558 574 217,74€	72 497 942,57 €	15,69%	12,98%
Malta	832	110	237 413 115,57 €	18 186 201,16 €	13,22%	7,66%
Moldova (Republic o	337	40	70 940 808,04 €	3 502 518,96 €	11,87%	4,94%
Montenegro	147	20	23 777 779,63€	1 603 744,50€	13,61%	6,74%
Netherlands	29 574	4 891	14 313 516 101,36€	2 310 949 695,82 €	16,54%	16,15%
Norway	8 060	1 260	4 117 208 642,96 €	607 880 929,32 €	15,63%	14,76%
Poland	10 107	1 218	3 171 513 457,76€	283 646 431,05 €	12,05%	8,94%
Portugal	12 683	1 610	4 524 354 399,40€	470 822 434,76 €	12,69%	10,41%
Romania	5 392	643	1 455 814 690,05 €	110 616 829,54 €	11,93%	7,60%
Serbia	2 144	239	558 774 957,68€	60 218 915,95 €	11,15%	10,78%
Slovakia	2 440	312	888 650 112,14€	76 955 726,03 €	12,79%	8,66%
Slovenia	5 769	620	1 851 922 269,74€	177 053 914,55 €	10,75%	9,56%
Spain	56 771	7 862	22 304 930 483,26€	2 799 297 466,16 €	13,85%	12,55%
Sweden	15 218	2 380	7 894 064 888,62 €	1 064 804 940,04 €	15,64%	13,49%
Switzerland	11 998	2 051	4 409 293 972,25 €	769 875 647,48€	17,09%	17,46%
Tunisia	276	53	46 723 386,74€	7 098 259,73 €	19,20%	15,19%
Turkey	4 892	505	1 533 660 061,12 €	128 604 367,40 €	10,32%	8,39%
Ukraine	1 333	125	357 311 018,73 €	17 877 456,79 €	9,38%	5,00%
United Kingdom	62 746	9 366	30 787 222 357,35€	4 294 555 946,57 €	14,93%	13,95%
Total	509 269	74 <u>215</u>	221 773 850 440,11 €	30 290 89 <u>5 773,53</u> €	14,57%	13,66%

According to data presented in Table 23, Ukraine had a participation success rate of 9.38%, which is below EU28, AC & CC average.

The average submission success rate³ of all Member States, Associated & Candidate Countries was 14.57%, while the average success rate for financial contribution for this set of countries is 13.66%.

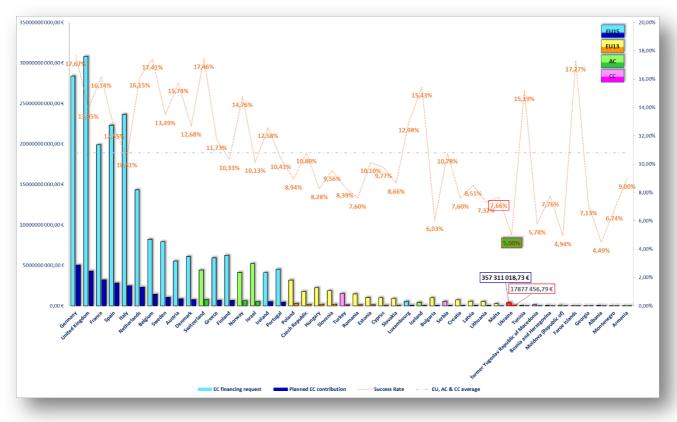
The data presented above in Table 23 are illustrated by the following charts:

Figure 11. Number of participations in submitted and awarded (MAIN LIST) (descending) H2020 proposals from EU, AC & CC- by country.



³ **The participation success rate** - the ratio of number of participations in the applications selected for funding (MAIN LIST) to number of participations in applications submitted for evaluation, expressed as a percentage. Similarly the success rate for funding is calculated as the ratio of granted funding for proposals on the MAIN LIST to the funding expected in the submitted proposals)

Figure 12. Requested & Gained (descending) by EU, AC & CC participants EC contribution for proposals on MAIN LIST (by country).



Ukraine is placed in 34th place among the EU MS, AC & CC countries participating in the selected for implementation projects (MAIN LIST) and promised EC Contribution as well, and in 35th position in terms of coordinations.

Figure 13. Number of Coordinated (descending) by EU, AC &CC projects (by country).

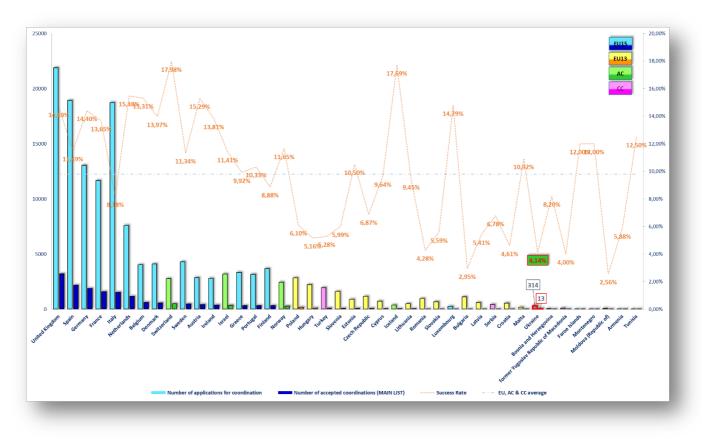
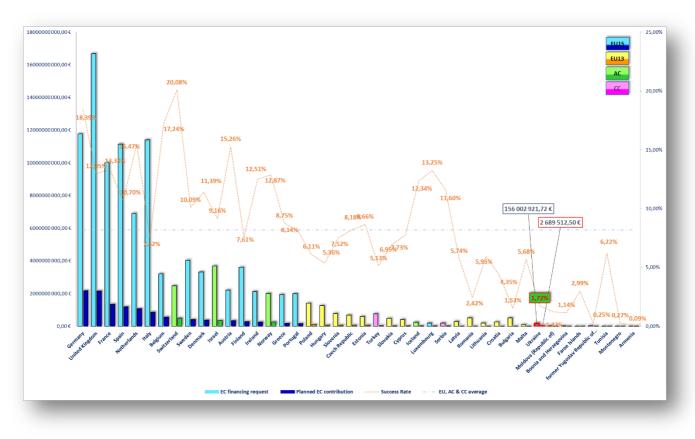


Figure 14. Gained by EU, AC & CC participants EC contribution (MAIN LIST) by country of coordination (descending).



Ukraine cooperation with partners from other countries – cross table

Table 24.UA cooperation with EU28

														Mei	nber Sta	ates													
														1)	ЛЕМВЕ	R)													
	AT	BE	DE	DK	EL	ES	FI	FR	IE	IT	LU	NL	PT	SE	UK	BG	СҮ	CZ	EE	HR	HU	LT	LV	MT	PL	RO	SI	SK	Total
AT	1354	1342	4969	546	706	2812	787	2205	436	2516	100	1795	652	1033	2139	162	109	439	108	194	315	135	119	38	490	266	316	237	26320
BE	1342	2023	5815	997	1325	4399	1056	4228	780	4243	191	3609	948	1350	4416	243	186	574	210	230	467	199	184	55	828	562	389	244	41093
DE	4969	5815	10777	2376	3526	12134	3039	11596	1760	11692	364	8435	2202	4263	12698	550	425	1453	467	414	1169	364	335	132	1887	881	778	478	1E+05
DK	546	997	2376	820	517	1766	547	1612	358	1576	67	1412	521	773	2190	102	74	204	202	106	196	80	115	48	362	162	200	101	18030
EL	706	1325	3526	517	1565	3560	606	2291	510	3609	173	1612	811	843	3126	238	397	283	144	175	292	113	93	60	498	403	272	122	27870
ES	2812	4399	12134	1766	3560	8301	2459	8459	1510	11039	264	5127	2497	3005	9679	501	432	1004	470	437	827	247	226	114	1460	838	796	335	84698
FI	787	1056	3039	547	606	2459	855	1958	362	1963	71	1422	510	1070	1936	126	69	300	174	93	222	103	97	37	417	181	194	101	20755
FR	2205	4228	11596	1612	2291	8459	1958	5932	1243	8003	268	5189	1773	2810	8754	319	264	1066	288	324	723	266	176	82	1309	635	565	343	72681
IE	436	780	1760	358	510	1510	362	1243	446	1210	48	851	398	423	1628	97	106	175	95	129	173	79	70	33	305	199	134	105	13663
IT	2516	4243	11692	1576	3609	11039	1963	8003	1210	7457	252	5106	2189	2763	9511	431	435	1021	417	435	781	283	244	142	1470	1002	778	350	80918
LU	100	191	364	67	173	264	71	268	48	252	41	167	75	76	325	25	37	37	29	29	49	29	25	17	49	40	36	30	2914
NL	1795	3609	8435	1412	1612	5127	1422	5189	851	5106	167	3415	1101	2058	6095	206	160	720	294	235	554	195	208	78	959	519	393	231	52146
PT	652	948	2202	521	811	2497	510	1773	398	2189	75	1101	924	580	2127	152	138	214	123	132	222	90	106	54	415	316	252	124	19646
SE	1033	1350	4263	773	843	3005	1070	2810	423	2763	76	2058	580	1358	3152	147	83	392	147	117	294	113	106	37	569	278	223	132	28195
UK	2139	4416	12698	2190	3126	9679	1936	8754	1628	9511	325	6095	2127	3152	7382	442	406	886	346	347	807	252	229	122	1410	789	684	277	82155
BG	162	243	550	102	238	501	126	319	97	431	25	206	152	147	442	309	76	99	78	76	93	42	49	26	128	140	89	56	5002
CY	109	186	425	74	397	432	69	264	106	435	37	160	138	83	406	76	170	52	47	53	57	33	37	38	97	93	88	40	4202
CZ	439	574	1453	204	283	1004	300	1066	175	1021	37	720	214	392	886	99	52	225	78	79	144	85	77	19	279	129	98	144	10276
EE	108	210	467	202	144	470	174	288	95	417	29	294	123	147	346	78	47	78	139	54	71	52	69	21	106	94	55	61	4439
HR	194	230	414	106	175	437	93	324	129	435	29	235	132	117	347	76	53	79	54	123	85	58	50	18	137	83	108	68	4389
HU	315	467	1169	196	292	827	222	723	173	781	49	554	222	294	807	93	57	144	71	85	230	63	55	20	218	142	112	89	8470
LT	135	199	364	80	113	247	103	266	79	283	29	195	90	113	252	42	33	85	52	58	63	74	52	16	112	89	49	72	3345
LV	119	184	335	115	93	226	97	176	70	244	25	208	106	106	229	49	37	77	69	50	55	52	61	22	110	76	82	59	3132
MT	38	55	132	48	60	114	37	82	33	142	17	78	54	37	122	26	38	19	21	18	20	16	22	47	26	37	24	17	1380
PL	490	828	1887	362	498	1460	417	1309	305	1470	49	959	415	569	1410	128	97	279	106	137	218	112	110	26	666	226	170	133	14836
RO	266	562	881	162	403	838	181	635	199	1002	40	519	316	278	789	140	93	129	94	83	142	89	76	37	226	489	148	82	8899
SI	316	389	778	200	272	796	194	565	134	778	36	393	252	223	684	89	88	98	55	108	112	49	82	24	170	148	307	68	7408
SK	237	244	478	101	122	335	101	343	105	350	30	231	124	132	277	56	40	144	61	68	89	72	59	17	133	82	68	82	4181
UA	30	46	120	15	56	64	19	90	20	83	13	35	49	26	77	19	9	21	18	14	20	16	19	6	47	40	17	15	1004

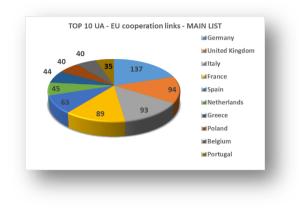
	Table	23. 0	A cooper		th cantu	uate and	ASSOCIA	te coum	unes									
			ASSOCIATE-	-CANDIDATE								ASSO	CIATE					
		(ASSOCIATE	-CANDIDATE)							(ASSO	CIATE)					
	AL	ME	МК	RS	TR	Total	AM	BA	СН	FO	GE	IL	IS	MD	NO	TN	UA	Total
AM	4	4	4	4	4	20	3	2	4	0	16	5	1	8	1	0		46
BA	6	5	10	19	8	48	2	38	3	1	2	6	3	3	4	1		64
СН	7	3	17	77	110	214	4	3	598	1	6	172	48	14	383	8	13	1250
FO	1	0	1	1	1	4	0	1	1	0	0	1	11	1	23	0		38
GE	4	4	5	6	14	33	16	2	6	0	6	7	2	11	4	0	14	68
IL	11	5	15	29	73	133	5	6	172	1	7	333	19	21	128	14		713
IS	3	0	4	9	18	34	1	3	48	11	2	19	46	7	132	1		272
MD	6	7	12	10	14	49	8	3	14	1	11	21	7	12	13	3	17	110
NO	3	0	19	40	134	196	1	4	383	23	4	128	132	13	639	12	11	1350
TN	1	0	1	2	22	26	0	1	8	0	0	14	1	3	12	17		56
UA				14	21	47			13		14		2	17	11		57	128

Table 25. UA cooperation with Candidate and Associate Countries

Table 26. UA cooperation with Third Countries

																																					Tł	hird Count	tries																																	
																																						(TIERS)																																		
	AE AI	AI	AR	AU A	Z 80	BFE	I BJ	80	BR BW	BY	CA CI	۵	CM	ON O	D CR	CU	CV	DZ I	C EG	ET	GA G	D GH	GI	GL (it HK	ID	IN	IQ I	R JE	JM	JO	JP K	E KG	KH	KR K	Z LB	U	LK U	R LS	LY	MA M	S ML	MM	MR ML	JMW	MX N	NY NZ	NA	NC N	VE NG	N N	P NZ	PE PF	PH	PK P	5 QA	RU RW	SA	SC SG	SN	52 TG	TH	TJ TM	TW	TZ UG	US	UY UZ	VG VN	N XX	YE Z	A ZM	otal
AM	0 0	0	1	0 2	2 0	0 0	0 0	0	0 0	5	0 0	0	0	0 0	0 0	0	0	0	1	0	0 1	0	0	0	1 0	0	0	0 1	0 0	0	1	0 0	0 0	0	0 0) ()	0	0 0	0 0	0	0 0	0	0	0 0	0	1	0 0	0	0 0	0 0	0 0) ()	0 0	0	0 0	0	2 0	0	0 0	0	0 0	0	0 0	0	0 0	0	0 0	0 0	/ 0	0 0	0 0	14
BA	0 0	0	0	0 0	0 (0 0	0 0	0	0 0	0	1 0	0	0	0 0	0 0	0	0	0) 1	0	0 1	0	0	0	0 0																												0 0									0	0 0	0	0 0	0	0 0	0 0	/ 3	0 0	0 0	6
CH	1 0	0	13	35 (0 0	3 (1 4	0	33 0	17	13 6	1	2	113 9	0	4	0	0	3 11	3	4 1	1	0	0	1 2	4	6	0 1	0 0	0	5	17 1	0 0	3	47 (] 4	0	1 0	0 0	0	7 1	2	0	0 0	2	33	3 9	0	7 1	1 4	0 0	3	1 3	2	0 2	0	27 0	1	0 0	9	0 1	2	0 0	5	9 9	146	5 0	0 0	/ 0	0 4	52	117
FO	0 0	0	0	0 0	0 0	0 0	0 0	0	1 0	0	8 0	1	0	1 (0 0	0	0	0	0 0	0	0 1	0	0	1	0 0	0	0	0 1) ()	0	0	0 0	0 0	0	1 (0 0	0	0 0	0 0	0	0 0	0	0	0 0	0	0	0 0	0	0 0	0 0	0 0	0 0	0 0	0	0 0	0	6 0	0	0 0	0	0 0	0	0 0	0	0 0	5	0 0	0 2	: 0	0 :	1 0	n
GE	0 0	0	1	0 4	1 0	0 0	0 0	0	0 0	6	0 0	0	0	2 0	0 0	0	0	0	2	0	0 1	0	0	0	1 0	0																											0 0									0	0 0	0	0 0	0	0 0	0 0	/ 0	1 3	2 0	30
L	0 0	0	5	5 0	0 0	0 0	0 0	0	2 0	6	16 0	1	1	18 0	1	0	0	4	11	0	0 1	0	5	0	2 0	0	3	0 1	0 0	0	2	2 3	0	0	1 (0 0	0	0 0	0 0	0	9 1	0	0	0 0	0	1	0 0	0	1 (0 0	0 0	0 0	3 0	0	0 2	0	14 0	0	0 0	1	0 0	2	0 0	8	1 1	17	2 0	0 0	1 2	0 3	7 0	160
IS	0 0	0	2	4 0	0 0	0 0	0 0	0	4 0	2	24 0	1	0	3 (1	0	2	0	3 3	0	0 1	0	0	4	1 0	0	0	0 1) ()	0	0	0 0	0 0	0	1 (0 0	0	0 0	0 0	0	2 1	0	0	2 0	0	1	0 0	0	0 0	0 0	0 0	0 0	0 0	0	0 0	0	24 0	0	2 0	4	0 0	0	0 0	1	0 0	10	3 0	0 5	0	0 3	2 0	109
MD	0 0	0	3	0 1	2 0	0 0	0 0	0	1 0	7	1 0	0	0	0 0	0 0	0	0	0) 4	0	0 1	0	0	0	2 0	0	0	0 1) ()	0	1																						0 0									0	0 0	1	0 0	2	0 0	0 0	/ 2	0 4	4 0	36
NO	0 1	2	9	22 0) 4	2 (0 0	0	27 1	5	75 0	8	1	120 3	1	1	6	1	1 9	4	0 1	9	1	19	1 4	1	2	1 1	0 0	1	1	3 2	3 0	1	8 (2	0	0 2	2 0	0	7 3	0	1	3 0	6	5	1 0	2	3 (0 0	0 0	2	0 1	1	0 1	0	85 4	0	3 0	10	0 0	2	0 0	13	11 5	72	4 0	0 9	/ 1	0 3	0 0	667
TN	0 0	0	1	0 0	0 0	0 :	L 0	1	2 1	0	1 0	1	1	2 0	0 0	0	1	8) 19	4	0 1	2	0	0	0 0	0	0	0 1) ()	0	5	0 6	6 0	0	0 0) 7	0	0 0	1	3	13 1	0	0	0 1	1	0	0 2	1	0 1	1 0	0 0	0 0	0 0	0	0 6	0	1 1	0	0 0	2	1 0	0	0 0	1	3 1	1	0 0	0 0	/ 0	0 !	5 0	109
UA																																																																								41

Figure 15. TOP 10 UA – EU cooperation links (MAIN LIST).

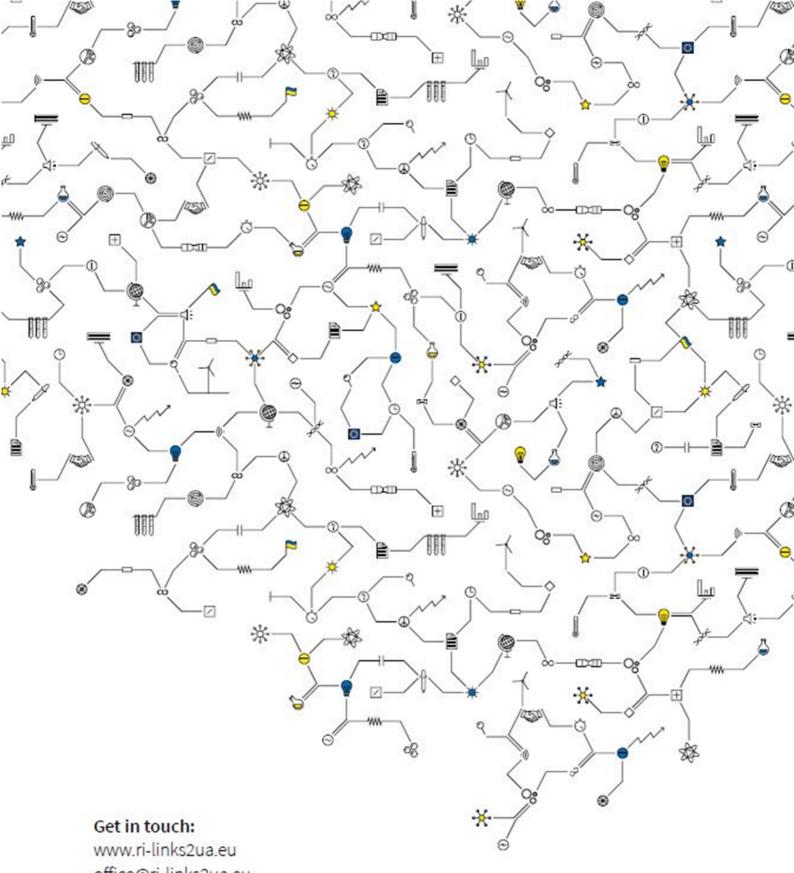


Develop shortcuts

Short	Full name of the organisation type
HES	Higher or secondary education
N/A	Not available
ОТН	Others
PRC	Private for profit
PUB	Public body
REC	Research organisations

Short	Full name of the types of projects
BBI	JTI Bio-based Industries
BBI-CSA	Bio-based Industries Coordination and Support action
BBI-IA-DEMO	Bio-based Industries Innovation action - Demonstration
BBI-IA-FLAG	Bio-based Industries Innovation action - Flagship
BBI-RIA	Bio-based Industries Research and Innovation action
COFUND-EJP	COFUND (European Joint Programme)
COFUND-PCP	COFUND (PCP)
COFUND-PPI	COFUND (PPI)
CS2	JTI Clean Sky 2
CS2-CSA	Coordination and support action Innovation action
CS2-IA CS2-RIA	Research and Innovation action
CSA	Coordination and support action
CSA-LS	CSA Lump sum
Debt	Debt and equity facility
ECSEL	JTI Electronic Components and Systems for European Leadership
ECSEL-CSA	ECSEL Coordination and Support action
ECSEL-IA	ECSEL Innovation Action
ECSEL-RIA	ECSEL Research and Innovation Action
ERA-NET-Cofund	ERA-NET Cofund
ERC	Support for frontier research (ERC)
ERC-ADG	Advanced Grant
ERC-COG ERC-LVG	Consolidator Grant
ERC-LVG ERC-POC	ERC low value grant Proof of Concept Grant
ERC-POC ERC-STG	Starting Grant
ERC-SyG	Synergy grant
FCH2	FCH2 JU actions
FCH2-CSA	Coordination and support action
FCH2-IA	Innovation action
FCH2-RIA	Research and Innovation action
FPA	Framework Partnership Agreement
	Framework Partnership Agreement and Coordination and Support Action funded by a specific grant awarded under
FPA-SGA-CSA	the Framework Partnership Agreement
IA	Innovation action
IMI2	JTI Innovative Medicines Initiative
IMI2-CSA	Coordination and support action
IMI2-IA IMI2-RIA	Innovation action Research and Innovation action
IPr	Inducement Prize
JU-SESAR	SESAR
KICS	Kics
MSCA	Marie Skłodowska-Curie actions
MSCA-COFUND	Co-funding of regional, national and international programmes (COFUND)
MSCA-COFUND-DP	Doctoral programmes
MSCA-COFUND-FP	Fellowship programmes
MSCA-IF	Marie Skłodowska-Curie Individual Fellowships (IF)
MSCA-IF-EF	European Fellowships
MSCA-IF-EF-CAR	CAR – Career Restart panel
MSCA-IF-EF-RI	RI – Reintegration panel
MSCA-IF-EF-SE	Society and Enterprise panel
MSCA-IF-EF-ST MSCA-IF-GF	Standard EF Global Fellowships
MSCA-IF-GF MSCA-ITN	Marie Skłodowska-Curie Innovative Training Networks (ITN)
MSCA-ITN-EID	European Industrial Doctorates
MSCA-ITN-EJD	European Joint Doctorates
MSCA-ITN-ETN	European Training Networks
MSCA-RISE	Research and Innovation Staff Exchange - RISE
РСР	Pre-Commercial Procurement
PPI	Public Procurement of Innovative solutions
RIA	Research and Innovation action
RPr	Recognition Prize
SESAR-CSA	Coordination and Support Action
SESAR-IA	Innovation action
SESAR-RIA	Research and Innovation action
SGA-CSA	Specific Grant Agreement and Coordination and Support Action
SGA-EEN	Specific Grant Agreement Enterprise Europe Network (EEN)
SGA-RIA Shift2Pail	SGA-RIA Shift2Bail
Shift2Rail Shift2Rail-CSA	Shift2Rail Coordination and Support action
Shift2Rail-IA	Innovation action
Shift2Rail-RIA	Research and Innovation action
SME	SME instrument
SME-1	SME instrument phase 1
SME-2	SME instrument phase 2
ONTL L	one more among produce

Short	Full name of the thematic area
	Cross-theme
	Excellent Science - Cross-theme
	European Research Council
	Future and Emerging Technologies
	Marie Sklodowska-Curie actions
	Research infrastructures
	Industrial Leadership - Cross-theme
	Leadership in enabling and industrial technologies (LEIT)
	Information and Communication Technologies
	Nanotechnologies, Advanced Materials and Production
	Advanced materials
	Biotechnology
	Advanced manufacturing and processing
	Space
	Access to risk finance
SME	Innovation in SMEs
SOCCHAL-CROSST	Societal Challenges - Cross-theme
HEALTH	Health, demographic change and wellbeing
FOOD	Food security, sustainable agriculture and forestry, marine and maritime and inland water research
ENERGY	Secure, clean and efficient energy
ТРТ	Smart, green and integrated transport
ENV	Climate action, environment, resource efficiency and raw materials
SOCIETY	Europe in a changing world - inclusive, innovative and reflective Societies
SECURITY	Secure societies - Protecting freedom and security of Europe and its citizens
SEAWP-CROSST	Spreading excellence and widening participation - Cross-theme
WIDESPREAD	Teaming
TWINING	Twinning
ERA	ERA chairs
PSF	Policy Support Facility (PSF)
INTNET	Supporting access to international networks
NCPNET	Transnational networks of National Contact Points
SWAFS-CROSST	Science with and for Society
CAREER	Make scientific and technological careers attractive for young people
	Promote gender equality in research and innovation
INEGSOC	Integrate society in science and innovation
SCIENCE	Encourage citizens to engage in science
	Develop the accessibility and the use of the results of publicly-funded research
GOV	Develop the governance for the advancement of responsible research and innovation
	Anticipating and assessing potential environmental, health and safety impacts
IMPACT	Anticipating and assessing potential environmental, nearth and safety impacts
	Improve knowledge on science communication



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