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**Statistics and Analyses of Ukrainian Participation in
HORIZON 2020 (based on 241 concluded calls)**



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Statistics and Analyses of Ukrainian Participation in HORIZON 2020 (based on 241 concluded calls)

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Executive Summary

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

Signed Association gives Ukraine a unique chance to increase significantly their participation in the H2020. This is evidenced by the results of participation in the first 241 calls where 308 Ukrainian organizations participated in preparation of 497 project proposals (609 participations), expecting EC contribution of 158.41 M€. 49 organizations are in 44 proposals on MAIN LIST (60 participations), with EC contribution of 7.60 M€. In particular Ukraine submitted 72 proposals for project co-ordinations of which 3 were classified for funding (MAIN LIST) with EC contribution of 0.55 M€.

These results classify Ukraine on the third place among Associated Countries just after Israel and Norway in both: number of participations and gained EC contribution. At the same time Ukraine reached 3 times better result in the number of participations and gained EC contribution than Tunisia, Moldova or Bosnia-Herzegovina.

Detailed analyses show that 20% of UA participants are from HES (63 organizations with 217 participations in submitted proposals), 41% from PRC (127 with 185 participations) and over 26% from REC (79 institutes with 151 participations). Finally 12 HES, 15 REC and 15 PRC from total of 49 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 favorable 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 data bases after 241 HORIZON 2020 concluded calls, conducted by the European Commission (EC) since December 13, 2013 and includes information about submitted and evaluated proposals before 31 May 2016,
- EUROSTAT and
- The Word Bank data bases.

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

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 (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.

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 EU Member States, Associated, Candidate and Third Countries. A total of **186** countries participated in the preparation of project proposals, **133** remained in the proposals that have been positively evaluated and hit the MAIN LIST², while organizations from **127** countries already signed the Grant Agreement (GA) to finance these projects.

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

Table 1. All countries in eligible proposals, on MAINLIST and in signed Grant Agreements.

H2020 after 241 calls		Eligible proposals		MAIN LIST			Signed Grant Agreements				
		Number of participations in submitted proposals	Requested EC contribution [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]
EU28	EU15	15	233 753	15	31 505	13,48%	14 877,30	15	33 158	14,19%	11 208
	EU13	13	31 139	13	3 199	10,27%	777,64	13	3 421	10,99%	1 727
	EU Total / Average	28	264 892	28	34 704	11,88%	15 654,94	28	36 579	12,59%	12 935
Rest of the WORLD	Associated Countries	8	9 420	8	1 200	12,74%	646,41	9	1 223	12,98%	492
	Including UA		609		60	9,85%	7,60		51	8,37%	41
	Candidate Countries	5	4 952	5	503	10,16%	132,40	5	531	10,72%	292
	Third Countries	145	13 738	92	2 312	16,83%	437,73	85	1 666	12,13%	808
WORLD Total /Average		186	293 002	133	38 719	12,22%	16 871,48	127	39 999	12,20%	14 527

14 527 organizations from **127** countries have signed grant agreements for the implementation of project applications totaling almost **16,6 B€**, of which nearly **15,5 B€** accounted for the participants of the EU28. While the rest of the budget has been contracted by organizations from Associated, Candidate and Third Countries in the amount of: **615.05 M€**, **130.8 M€** and **367.87 M€** accordingly.

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

- As much as **88.67%** of the budget was accounted for organizations from the EU15,
- While only **4,62%** for New Member States,
- The remaining part: **6,71%** of the budget was distributed to organizations from outside EU countries.

Ukrainian participants received a promise of funding applications in amount of **7,6 M€** which is **0,05%** of the total H2020 budget allocation, and **1,18%** of the budget gained by Associated Countries.

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

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

	The number of projects on the Main Lists	Planned EC funding	Average project financing	Number of participation in projects on Main List	Average subsidy of participation
All Countries	9 274	16 871 751 986,00 €	1 819 252,96 €	38 720	435 737 €
EU28	8 805	15 655 210 517,00 €	1 777 990,97 €	34 705	451 094 €
Eu15	8 457	14 877 571 944,00 €	1 759 202,07 €	31 506	472 214 €
EU13	1 581	777 638 573,00 €	491 865,01 €	3 199	243 088 €
Associated Counties	841	646 413 210,50 €	768 624,51 €	1 200	538 678 €
Ukraine	44	7 601 574,25 €	172 763,05 €	60	126 693 €
Candidate Countrues	354	132 402 019,10 €	374 017,00 €	503	263 225 €
Third Countries	1278	437 726 239,40 €	342 508,79 €	2 312	189 328 €

Ukrainian participation in HORIZON 2020 – detailed analysis

Type of organizations

Participation (in eligible proposals):

308 organizations participated in preparation of **497** project proposals (**72** co-ordinations) – **total: 609 participations**, expecting EC contribution of **158.41 M€**

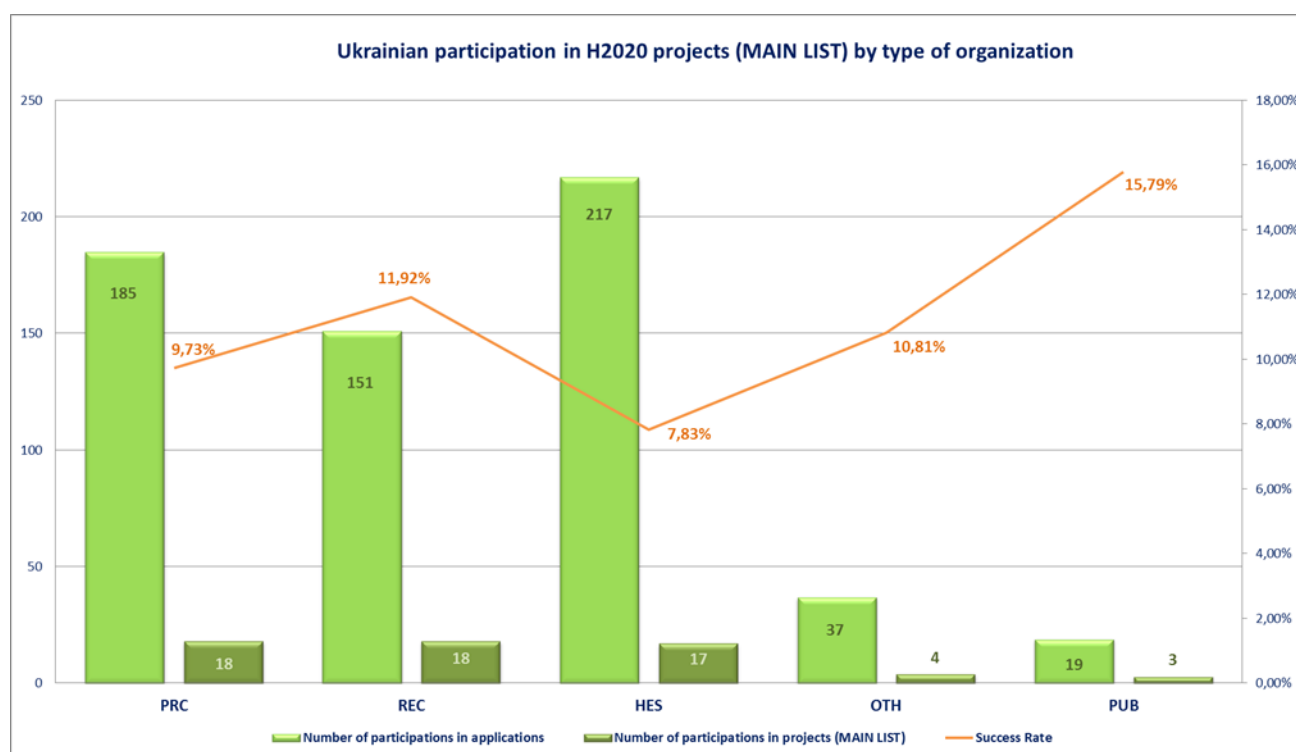
	HES	OTH	PRC	PUB	REC	Total
Number of organization	63	28	127	11	79	308
Number of participation	217	37	185	19	151	609
Number of coordination	16	1	42		13	72
Planned EC funding	41 804 349,55 €	6 189 760,50 €	62 265 815,72 €	1 837 148,75 €	46 307 875,89 €	158 404 950,41 €

Participation (projects on MAIN LIST):

49 organizations are in **44** proposals on MAIN LIST (**3** co-ordinations) – **total: 60 participations**, with EC contribution of **7.60 M€**

	HES	OTH	PRC	PUB	REC	Total
Number of organization	12	4	15	3	15	49
Number of participation	17	4	18	3	18	60
Number of coordination			2		1	3
Planned EC funding	1 650 342,50 €	356 476,00 €	2 541 481,25 €	256 088,00 €	2 797 186,50 €	7 601 574,25 €

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



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

List of participants (by organization type)

HES (Higher or Secondary Education Establishments)

15 Ukrainian HES received **1 650 342.50 €** of EC contribution:

No.	Organization name	Number of participation	Planned EC funding
1	NATIONAL UNIVERSITY OF KYIV-MOHYLA ACADEMY	2	206 425,00 €
2	NATIONAL ACADEMY OF SCIENCES OF UKRAINE NAS OF UKRAINE	2	175 312,50 €
3	TARAS SHEVCHENKO NATIONAL UNIVERSITY OF KYIV	2	182 000,00 €
4	NACIONALNIY TEHNICHNIY UNIVERSITET UKRAINI KIIVSKIY POLITEHNICHNIY INSTITUT	2	263 250,00 €
5	NATIONAL AEROSPACE UNIVERSITY KHARKIV AVIATION INSTITUTE NAMED BY N ZUKOVSKIY	2	249 125,00 €
6	DONETSK NATIONAL UNIVERSITY	1	126 000,00 €
7	MARINE HYDROPHYSICAL INSTITUTE - UKRAINIAN NATIONAL ACADEMY OF SCIENCES	1	79 040,00 €
8	STATE ORGANIZATION INSTITUTE FOR ECONOMICS AND FORECASTING UKRAINIAN NATIONAL ACADEMY OF SCIENCES	1	46 456,00 €
9	NATIONAL AVIATION UNIVERSITY	1	112 500,00 €
10	Ukrainian National Forestry University	1	10 234,00 €
11	LVIVSKIY NATIONALNIY MEDYCHNIY UNIVERSYTET IMENI DANYLA HALYTSKOHO	1	76 500,00 €
12	SIMON KUZNETS KHARKIV NATIONAL UNIVERSITY OF ECONOMICS	1	123 500,00 €
Total		17	1 650 342,50 €

REC (Research Organisations)

15 Ukrainian REC received **2 797 186.50 €** of EC contribution:

No.	Organization name	Number of participation	Planned EC funding
1	DONETSK INSTITUTE FOR PHYSICS AND ENGINEERING NAMED AFTER O.O. GALKIN OF THE NATIONAL ACADEMY OF SCIENCES 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	ASSOCIATION OF USERS OF UKRAINIAN RESEARCH AND ACADEMIC NETWORK URAN	1	23 746,00 €
4	INTERNATIONAL CIVIC ORGANISATION KYIV ECONOMICS INSTITUTE	1	96 500,00 €
5	V.I.Vernadskii Institute of General and Inorganic Chemistry NAS of Ukraine	1	162 000,00 €
6	INSTITUTE FOR LOW TEMPERATURE PHYSICS AND ENGINEERING OF NASU	1	94 500,00 €
7	INSTITUTE OF PHYSICS OF NATIONAL ACADEMY OF SCIENCE OF UKRAINE	1	94 500,00 €
8	Institute for Scintillation Materials of National Academy of Sciences of Ukraine	1	193 500,00 €
9	NATIONAL SCIENCE CENTER KHARKOV INSTITUTE OF PHYSICS AND TECHNOLOGY	1	112 750,00 €
10	INSTITUTE OF APPLIED MATHEMATICS AND MECHANICS OF THE NATIONAL ACADEMY OF SCIENCE OF UKRAINE - IAMM NASU	1	184 500,00 €
11	UKRAINIAN INSTITUTE FOR PUBLIC POLICY CIVIC ORGANIZATION	1	153 750,00 €
12	INSTITUTE OF BIOENERGY CROPS AND SUGAR BEET NATIONAL ACADEMY OF AGRARIAN SCIENCES OF UKRAINE	1	77 097,50 €
13	V.N. BAKUL INSTITUTE FOR SUPERHARD MATERIALS OF THE NATIONAL ACADEMY OF SCIENCES	1	324 375,00 €
14	INSTITUTE OF MAGNETISM OF THE NATIONAL ACADEMY OF SCIENCE OF UKRAINE AND THE MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE	1	58 500,00 €
15	INSTITUTE OF MATHEMATICS OF THE NATIONAL ACADEMY OF SCIENCES OF UKRAINE	1	184 500,00 €
Total		18	2 797 186,50 €

PRC (Private for-profit)

15 Ukrainian PRC received **2 541 481.25 €** of EC contribution:

No.	Organization name	Number of participation	Planned EC funding
1	NAUKOVO-TEHNICHNII CENTAR BIOMASA LLC	3	261 948,50 €
2	YUZHNOYE DESIGN OFFICE NAMED AFTER MIKHAIL YANGEL	2	758 740,00 €
3	MATERIALS RESEARCH CENTER	1	81 000,00 €
4	STATE ENTERPRISE STATE ROAD SCIENTIFIC RESEARCH INSTITUTE NAMED AFTER M. P. SHULGIN	1	45 200,00 €
5	ENAMINE LIMITED LIABILITY COMPANY, RESEARCH AND PRODUCTION ENTERPRISE	1	409 500,00 €
6	AGRO LV LIMITED	1	32 937,50 €
7	FIATU	1	121 944,00 €
8	CORPORATION SCIENCE PARK TARAS SHEVCHENKO UNIVERSITY OF KYIV	1	288 000,00 €
9	NANOTECHCENTER LLC	1	72 000,00 €
10	FIRMA INSTYTUT ECOLOGII LUDYNY-INEKO	1	50 000,00 €
11	UKRAINIAN RESEARCH INSTITUTE OF AVIATION TECHNOLOGY	1	54 000,00 €
12	LIMITED LIABILITY COMPANY SALIX ENERGY	1	134 086,25 €
13	ZAPOROZHYE MACHINE-BUILDING DESIGN BUREAU PROGRESS STATE ENTERPRISE NAMED AFTER ACADEMICIAN A.G. IVCHENKO	1	72 125,00 €
14	LIMITED LIABILITY COMPANY STREAMOZONE	1	80 000,00 €
15	Marlin-Yug Ltd	1	80 000,00 €
Total		18	2 541 481,25 €

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

3 Ukrainian PUB received 256 088.00 € of EC contribution:

No.	Organization name	Number of participation	Planned EC funding
1	Public Joint Stock Company FED	1	59 000,00 €
2	THE CENTRE FOR SCIENTIFIC AND TECHNICAL INFORMATION AND INNOVATION PROMOTION OF UKRAINE	1	140 125,00 €
3	STATE SPACE AGENCY OF UKRAINE	1	56 963,00 €
Total		3	256 088,00 €

OTH (Other)

4 Ukrainian OTH received 356 476.00 € of EC contribution:

No.	Organization name	Number of participation	Planned EC funding
1	Scientific Foundation of Scientists and Specialists on Molecular Cybernetics and Informatics	1	9 000,00 €
2	R.E KAVETSKY INSTITUTE OF EXPERIMENTAL PATHOLOGY ONCOLOGY AND RADIOBIOLOGY OF NATIONAL ACADEMY OF SCIENCES OF UKRAINE	1	148 750,00 €
3	ASSOCIATION UKRAINIAN AGRIBUSINESSCLUB	1	147 365,00 €
4	INSTITUT SVITOVOL POLITIKI	1	51 361,00 €
Total		4	356 476,00 €

List of Ukrainian coordinators

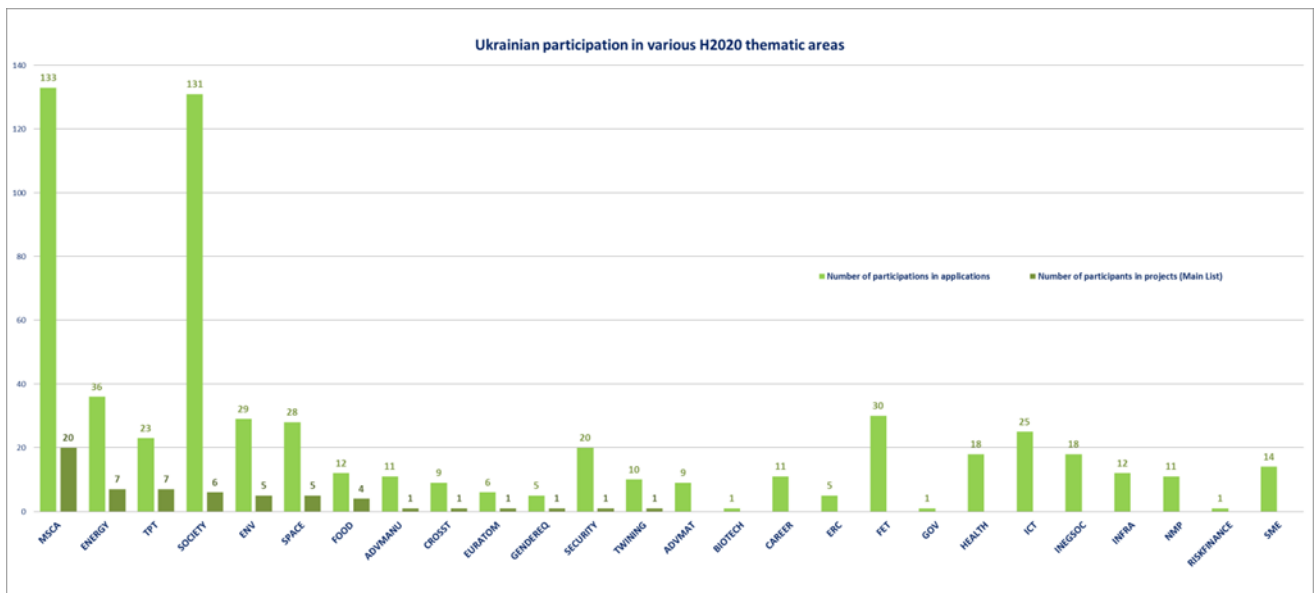
3 Ukrainian coordination were approved receiving 554 000.00 € of EC contribution:

No.	Ukrainian coordinator (MAIN LIST)	Acronim	Project type	Number of participation	Planned funding for the coordinator
1	INSTITUTE OF PHYSICS OF NATIONAL ACADEMY OF SCIENCE OF UKRAINE	assymcurv	MSCA-RISE	1	94 500,00 €
2	FIRMA INSTYTUT ECOLOGII LUDYNY-INEKO	EUWaste	SME-1	1	50 000,00 €
3	ENAMINE LIMITED LIABILITY COMPANY, RESEARCH AND PRODUCTION ENTERPRISE	PELICO	MSCA-RISE	1	409 500,00 €
Total				3	554 000,00 €

Thematic areas

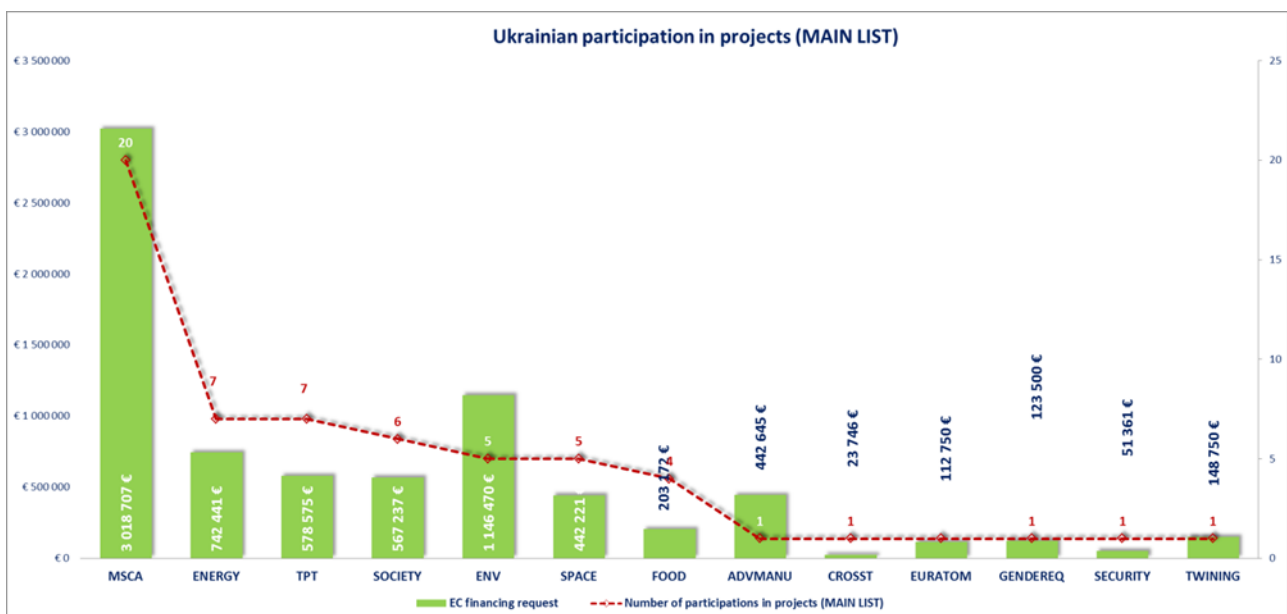
Organizations from Ukraine took part in the preparation of project proposals in almost all H2020 thematic areas. The most popular were: MSC Actions (133 participation), SOCIETY (131) and ENERGY, FET (30 participations each) and the Environment, SPACE and ICT where the number of participation in the proposals was 29, 28 and 25 respectively. Details. regarding all areas are presented in Figure 2.

Figure 2. Ukrainian participation in proposals and projects on MAIN LIST by thematic area.



Proposals from 13 from among the 26 H2020 thematic areas hit the MAIN LIST. Ukraine gained the highest funding for 20 MSCA projects and 5 of the Environment (respectively 3.02 M€ and 1.15 M€). In contrast, for a total of 25 projects from ENERGY, TPT, SPACE and SOCIETY obtained total funding in the amount of 2.33 M€. Figure 3 shows further details.

Figure 3. EC contribution for number of projects on MAIN LIST in H2020 thematic areas.



Project Financing Systems

Category of financing system 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 - 234 participations), nearly 1/3 of projects with Ukrainian participation included projects Coordination and Support Actions (CSA - 147 participations) and implementation projects (IA - 43 participations). In the Marie Skłodowska Curie Actions - RISE (100 participations) and in the framework of SME Instrument (33 participations).

In contrast, 100% effectiveness Ukrainian organizations reached in the ERA-NET-COFUND, MSCA-IF-GF and SGA-RIA, where although they participated in the preparation of only one application for each instrument but all three proposals received a positive assessment of evaluators and were qualified for financing. Full information is presented in Table 3 and Figure 4.

Table 3. Ukrainian participation by finance instruments

	Number of participations in submitted proposals	Number of projects on the Main Lists	Number of participation in projects on Main List	EC financing request (euro)	Planned EC funding for participation (euro)
BBI-RIA	1			265 375,00 €	
CS2-IA	1			10 000 000,00 €	
CS2-RIA	2			389 375,00 €	
CSA	147	14	21	20 969 890,83 €	1 997 235,75 €
CSA-LS	1			0,00 €	
ECSEL-RIA	5			336 425,00 €	
ERA-NET-Cofund	1	1	1	400 000,00 €	400 000,00 €
ERC-ADG	1			400 000,00 €	
ERC-STG	4			4 497 510,00 €	
FCH2-CSA	2			223 679,00 €	
FCH2-RIA	1			186 875,00 €	
IA	43	2	4	11 900 967,75 €	690 858,00 €
MSCA-IF-EF	2			259 994,10 €	
MSCA-IF-GF	1	1	1	152 207,00 €	152 207,00 €
MSCA-ITN-EJD	6			2 419 390,80 €	
MSCA-ITN-ETN	18			5 645 244,68 €	
MSCA-RISE	100	12	19	15 966 000,00 €	2 866 500,00 €
RIA	234	12	12	69 446 145,25 €	1 421 027,50 €
SGA-CSA	5			73 500,00 €	
SGA-RIA	1	1	1	23 746,00 €	23 746,00 €
SME-1	24	1		1 050 000,00 €	
SME-2	9		1	13 798 625,00 €	50 000,00 €
Total	609	44	60	158 404 950,41 €	7 601 574,25 €

Figure 4. Ukrainian participation in H2020 by funding instruments.

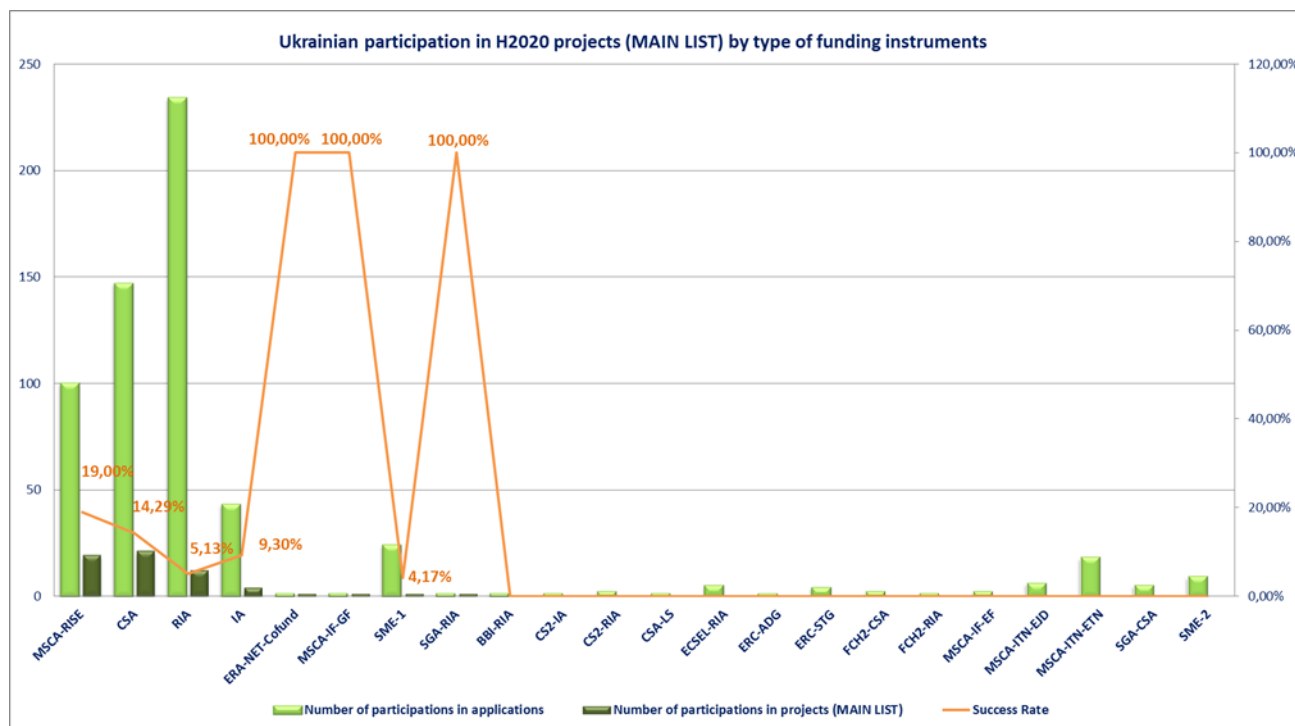
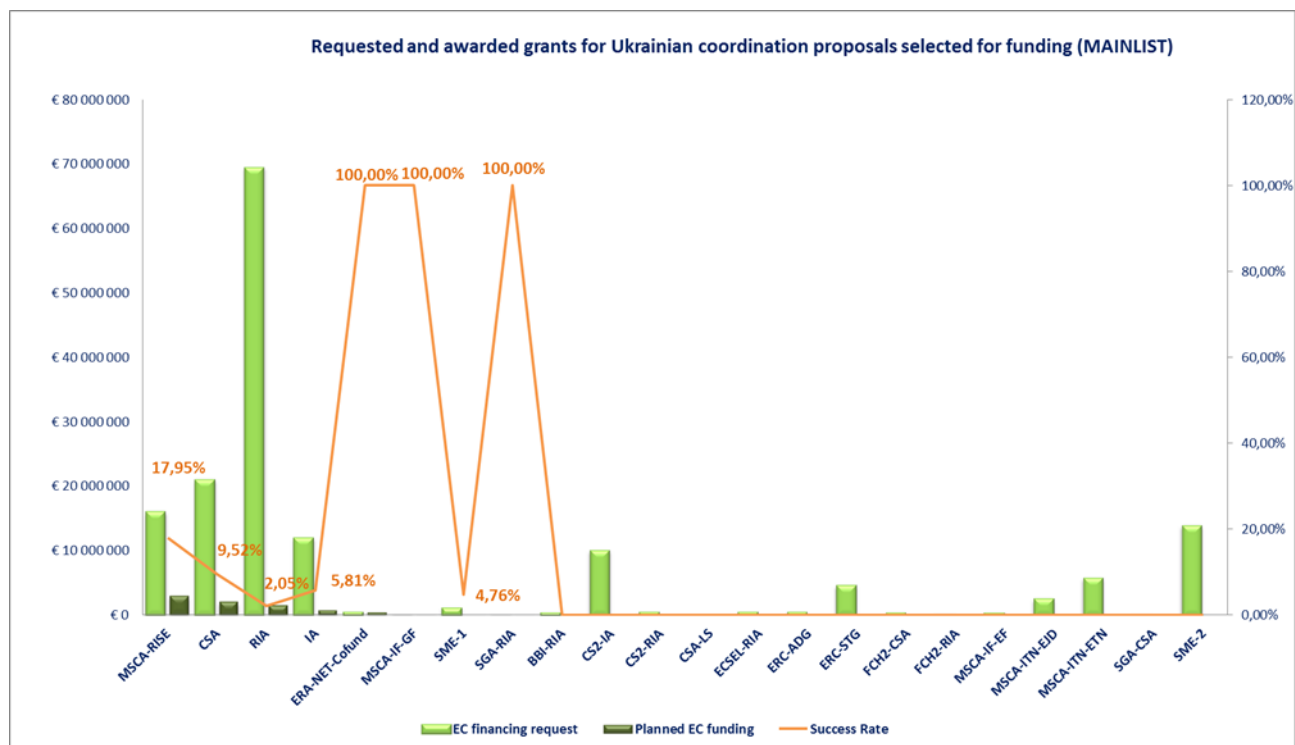


Figure 5. Gained EC contribution for Ukrainian coordinators by funding instruments.



Ukrainian teams will receive the highest subsidies for applications submitted to Marie Skłodowska Curie - RIA (2.8 M), coordination and support actions (CSA - 1.9 M) and research projects (RIA - 1.4 M).

The greatest effectiveness in getting the financing Ukrainian organizations obtained in ERA-NET-COFUND, MSCA-IF-GF, SME-1 and BBI-RIA (Figure 5).

Ukrainian participation in HORIZON 2020 – in relation to its potential

General information (Source: eCORDA data bases - release 5.0, The World Bank data bases)

		Ukraine
Basic statistical data	Population [millions]	44,80
	Gross Domestic Product [B€]	0,81
	Number of researchers (FTE)	53 835
	Total GERD [B€]	0,63
HORIZON 2020	Number of participations in submitted H2020 proposals	609
	including coordinations	72
	Number of participations in projects on MAIN LIST	60
	including coordinations	3
	Number of participation in projects (signed GAs)	51
	including coordinations	3
	Granted EC Funds (MAIN LIST)	7 601 574 €
	including coordinations	554 000 €
	Granted EC Funds (signed GAs)	6 063 618 €
	including coordinations	554 000 €

Table 4. Gained EC Contribution in H2020 projects in reference to Ukrainian potential.

Projects (MAIN LIST)	Ukraine
The size of the grant per 1 researcher (FTE)	141 €
The size of the grant per 1 mln population	169 678 €
The size of the grant per 1000 € GERD	12 €
The size of the grant per 1 mln € GDP	9 368 €

Projects (signed GAs)	Ukraine
The size of the grant per 1 researcher (FTE)	113 €
The size of the grant per 1 mln population	135 349 €
The size of the grant per 1000 € GERD	10 €
The size of the grant per 1 mln € GDP	7 473 €

Table 5. EC funding gained by Ukrainian coordinators in reference to their potential.

Coordinations (MAIN LIST)	Ukraine
The size of the grant per 1 researcher (FTE)	10 €
The size of the grant per 1 mln population	12 366 €
The size of the grant per 1000 € GERD	1 €
The size of the grant per 1 mln € GDP	683 €

Coordinations (signed GAs)	Ukraine
The size of the grant per 1 researcher (FTE)	10 €
The size of the grant per 1 mln population	12 366 €
The size of the grant per 1000 € GERD	1 €
The size of the grant per 1 mln € GDP	683 €

Ukraine in HORIZON 2020 – as a part of Associate Countries

Below in the Figures 6, 7, 8 and 9 we have included basic statistics of Ukraine's participation in H2020 among all of the Associated Countries. The first two graphs show the participation in complex and agreed funding requests and the funding which has been accepted by the EC. The next two graphs show respectively the participation of the Associated Countries and obtained financing in respect of the thematic areas of H2020.

Figure 6. Submitted and awarded proposals (MAIN LIST)

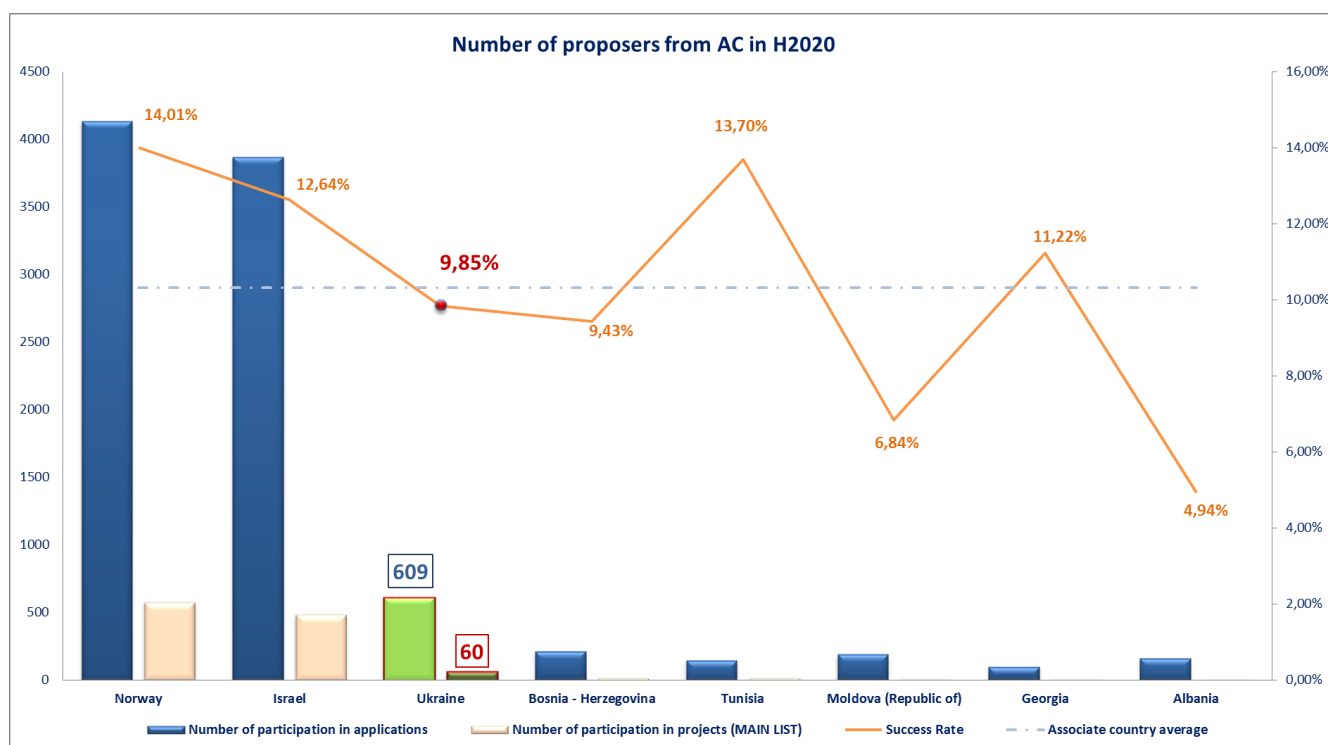


Figure 7. Requested and approved EC contributions for projects on MAILN LIST.

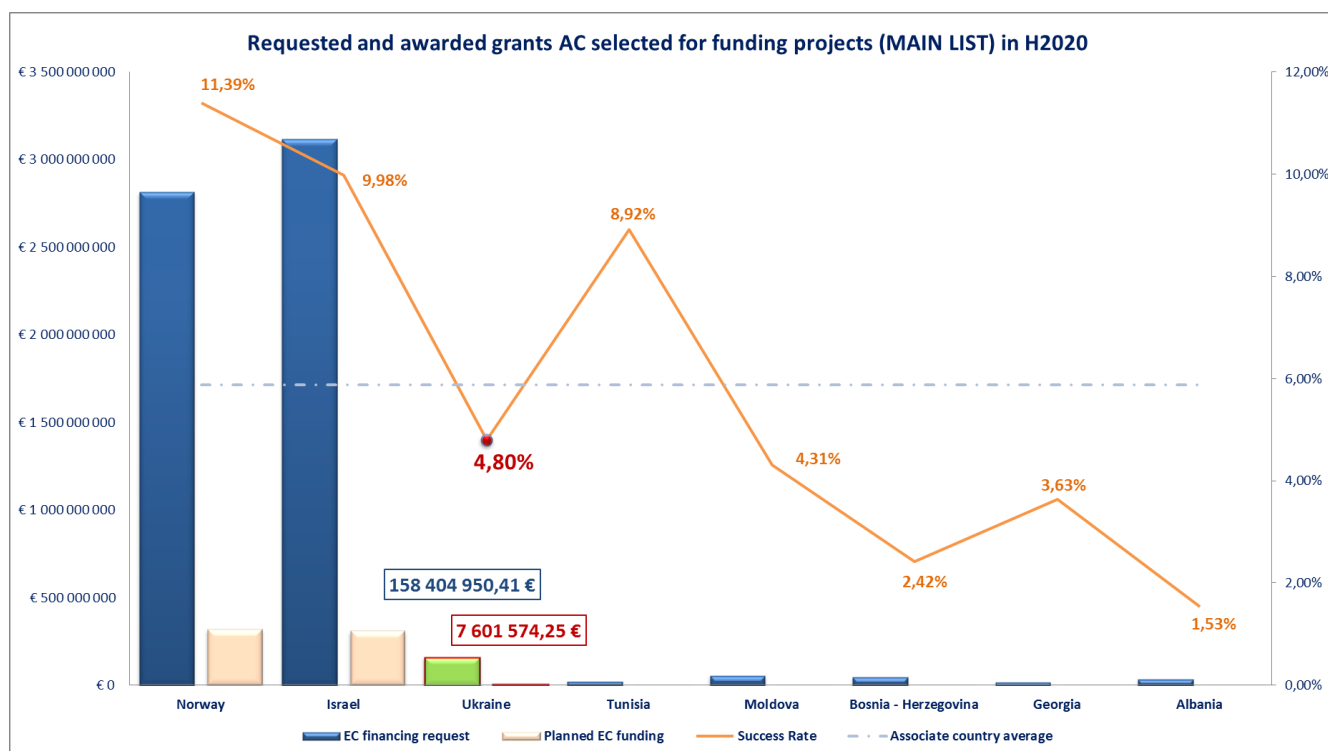


Figure 8. AC participation by H2020 thematic areas.

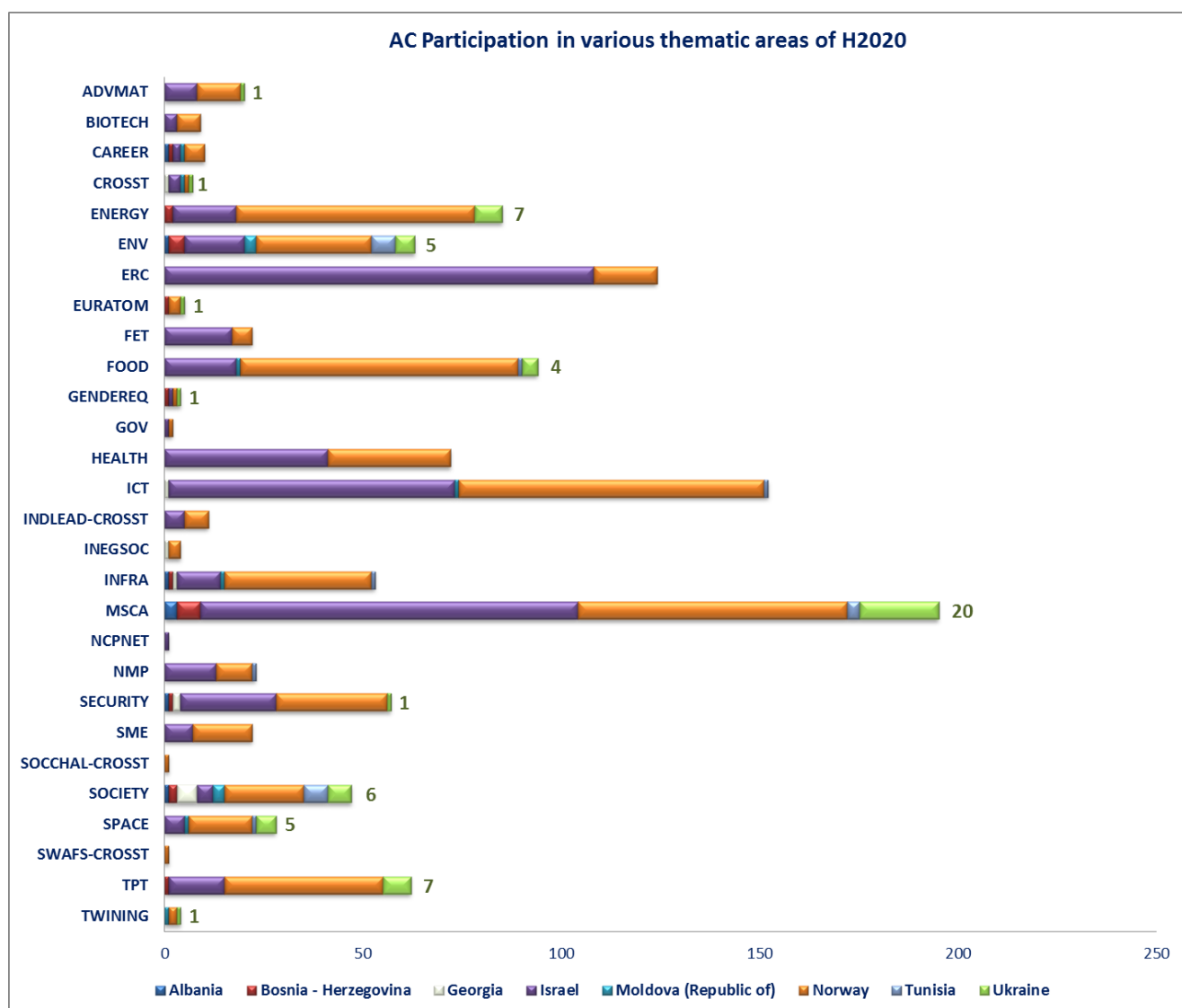
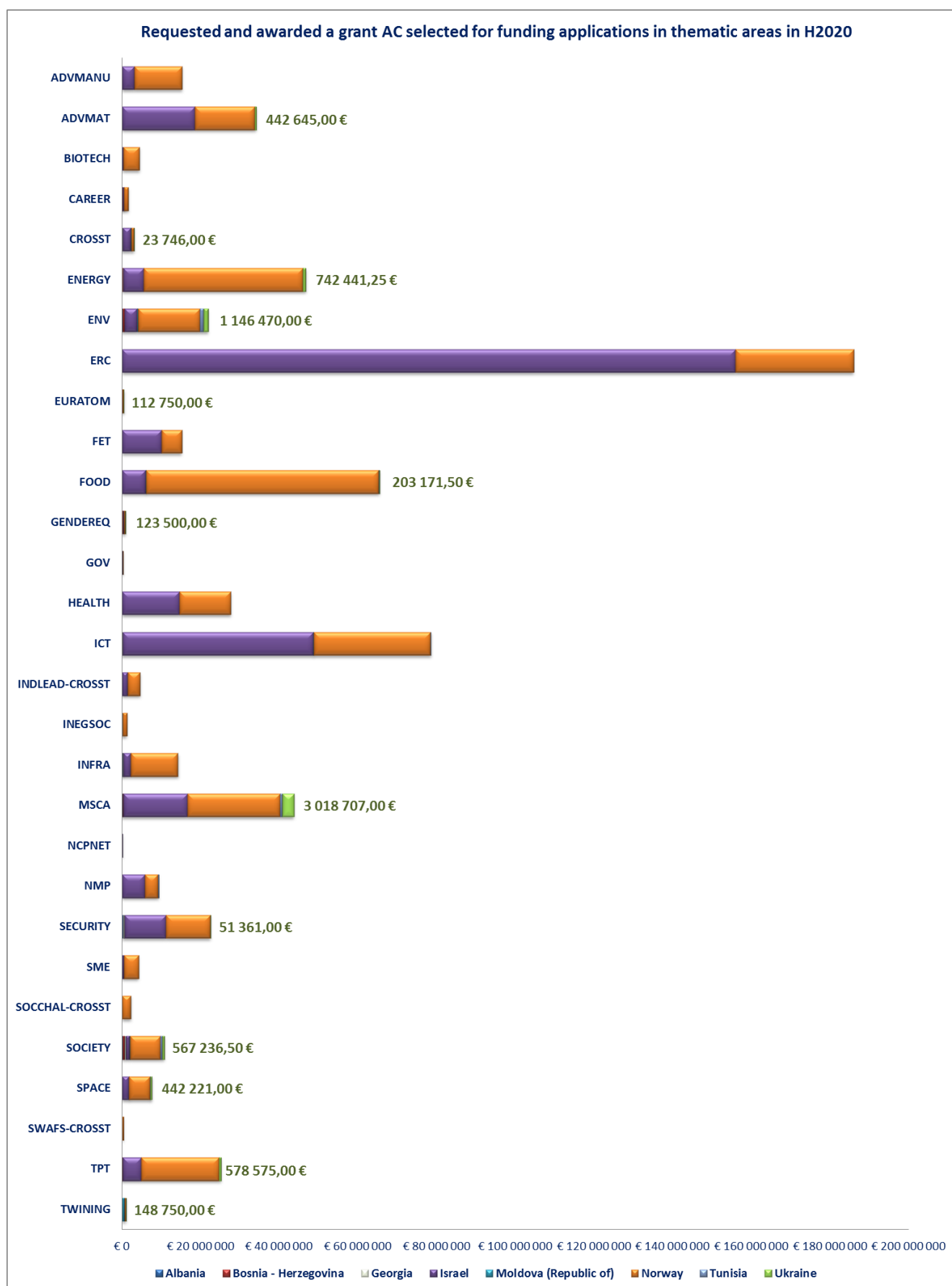


Figure 9. Gained EC contribution by thematic areas.



The charts illustrated below show the participation of Ukraine against Associated Countries in the thematic areas. Most proposals selected for funding among AC beneficiaries is MSCA (195), ICT (152), ERC (124), FOOD (94) and Energy (85). In the first place of the construction among these countries are Norway (579) and Israel (489). Ukraine is on the 3rd place with 60 projects on the MAIN LIST and it is before such countries as Tunisia (20), Bosnia and Herzegovina (20) and the Republic of Moldova (13).

All the anticipated funding for Ukrainian entities, which were on the MAIN LIST was in total of **7 601 574 €** from the overall amount of **646 413 210 €** anticipated for all entities from the Associated Countries, which puts Ukraine also on the **3th** place of the construction site.

Ukraine in HORIZON 2020 – Ukraine among EU and AC

Table 6. Summary data for EU and AC (in alphabetic order)

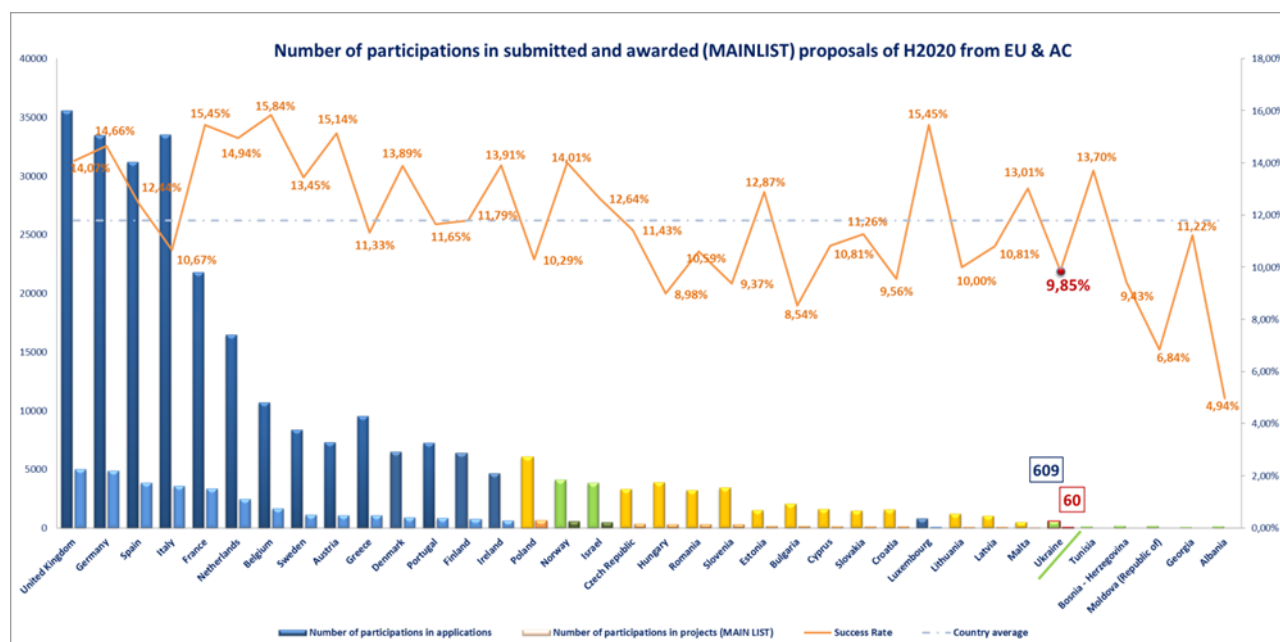
Country	Number of participations in submitted proposals	Number of applications for Main List	Application of financing	Planned EC funding (Main List)	Success Rate - participation	Success Rate - funds
Albania	162	8	36 261 985,00 €	556 508,75 €	4,94%	1,53%
Austria	7333	1110	3 900 318 003,08 €	496 515 158,09 €	15,14%	12,73%
Belgium	10695	1694	5 233 149 453,28 €	762 589 621,34 €	15,84%	14,57%
Bosnia - Herzegovina	212	20	48 419 461,41 €	1 828 347,00 €	9,43%	3,78%
Bulgaria	2085	178	632 227 965,19 €	21 086 689,00 €	8,54%	3,34%
Croatia	1600	153	530 173 650,68 €	26 846 592,76 €	9,56%	5,06%
Cyprus	1609	174	697 569 913,19 €	56 591 792,03 €	10,81%	8,11%
Czech Republic	3342	382	1 434 864 673,10 €	102 608 069,98 €	11,43%	7,15%
Denmark	6503	903	3 968 472 136,75 €	422 610 481,32 €	13,89%	10,65%
Estonia	1523	196	593 265 737,74 €	53 973 723,13 €	12,87%	9,10%
Finland	6351	749	3 943 260 863,15 €	328 801 179,23 €	11,79%	8,34%
France	21799	3369	12 549 479 915,31 €	1 617 808 464,30 €	15,45%	12,89%
Georgia	98	11	17 770 394,75 €	645 737,25 €	11,22%	3,63%
Germany	33510	4911	20 523 165 389,78 €	3 072 577 186,04 €	14,66%	14,97%
Greece	9535	1080	4 479 753 309,92 €	360 148 846,09 €	11,33%	8,04%
Hungary	3930	353	1 962 450 743,99 €	93 981 589,82 €	8,98%	4,79%
Ireland	4666	649	2 725 927 945,91 €	282 011 184,35 €	13,91%	10,35%
Israel	3870	489	3 118 507 053,70 €	311 308 700,78 €	12,64%	9,98%
Italy	33546	3579	18 073 432 969,77 €	1 379 725 313,63 €	10,67%	7,63%
Latvia	1055	114	374 604 612,45 €	26 467 090,31 €	10,81%	7,07%
Lithuania	1230	123	361 159 151,35 €	17 392 159,00 €	10,00%	4,82%
Luxembourg	822	127	379 827 749,33 €	40 158 829,82 €	15,45%	10,57%
Malta	515	67	140 812 023,54 €	12 861 939,98 €	13,01%	9,13%
Moldova (Republic of)	190	13	56 236 154,46 €	1 172 961,07 €	6,84%	2,09%
Netherlands	16495	2465	10 195 123 563,90 €	1 276 441 366,04 €	14,94%	12,52%
Norway	4133	579	2 816 778 029,58 €	320 875 943,04 €	14,01%	11,39%
Poland	6072	625	2 431 263 849,13 €	157 531 283,42 €	10,29%	6,48%
Portugal	7276	848	3 343 409 781,73 €	282 162 842,97 €	11,65%	8,44%
Romania	3257	345	1 189 951 482,89 €	68 434 882,33 €	10,59%	5,75%
Slovakia	1474	166	649 605 225,84 €	42 893 638,47 €	11,26%	6,60%
Slovenia	3447	323	1 338 978 160,74 €	96 969 122,79 €	9,37%	7,24%
Spain	31229	3885	16 810 466 437,74 €	1 614 976 995,00 €	12,44%	9,61%
Sweden	8389	1128	5 242 740 220,94 €	527 106 689,44 €	13,45%	10,05%
Tunisia	146	20	20 502 607,56 €	2 423 438,38 €	13,70%	11,82%
Ukraine	609	60	158 404 950,41 €	7 601 574,25 €	9,85%	4,80%
United Kingdom	35604	5009	21 179 728 792,57 €	2 413 937 786,53 €	14,07%	11,40%
Total	274312	35905	151 158 064 359,85 €	16 301 623 727,73 €	13,09%	10,78%

According to data presented in Table 6 Ukraine had a success rate of 9,85%, which is below EU28 and AC average. It also received 4,8% of the average available funding. The average submission success

rate³ of all Member States and Associated Countries was 13,09%, while the average success rate for financial contribution for a country amounted to 10,78%.

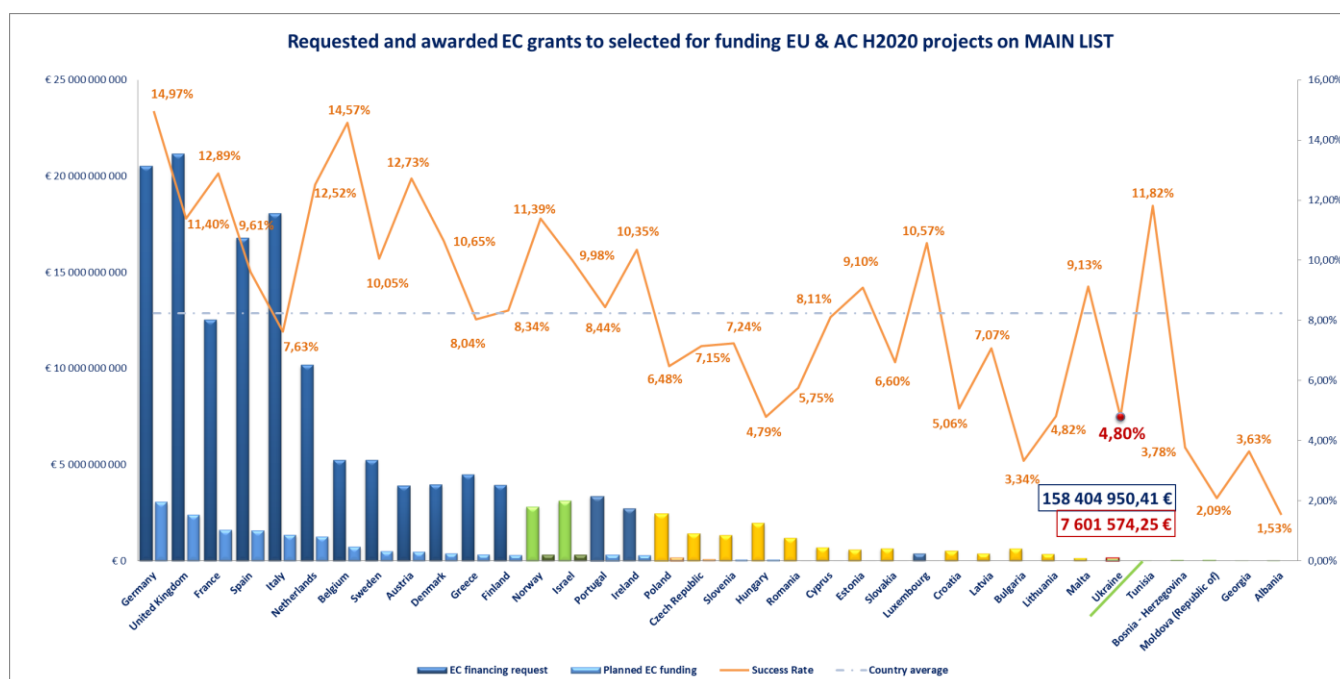
The data presented above are illustrated by the following charts:

Figure 10. Number of participations in submitted and awarded (MAINLIST) H2020 proposals from UE & AC - by country (descending).



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 11. Requested & Gained by UE & AC participants EC contribution for proposals on MAINLIST (by country descending).

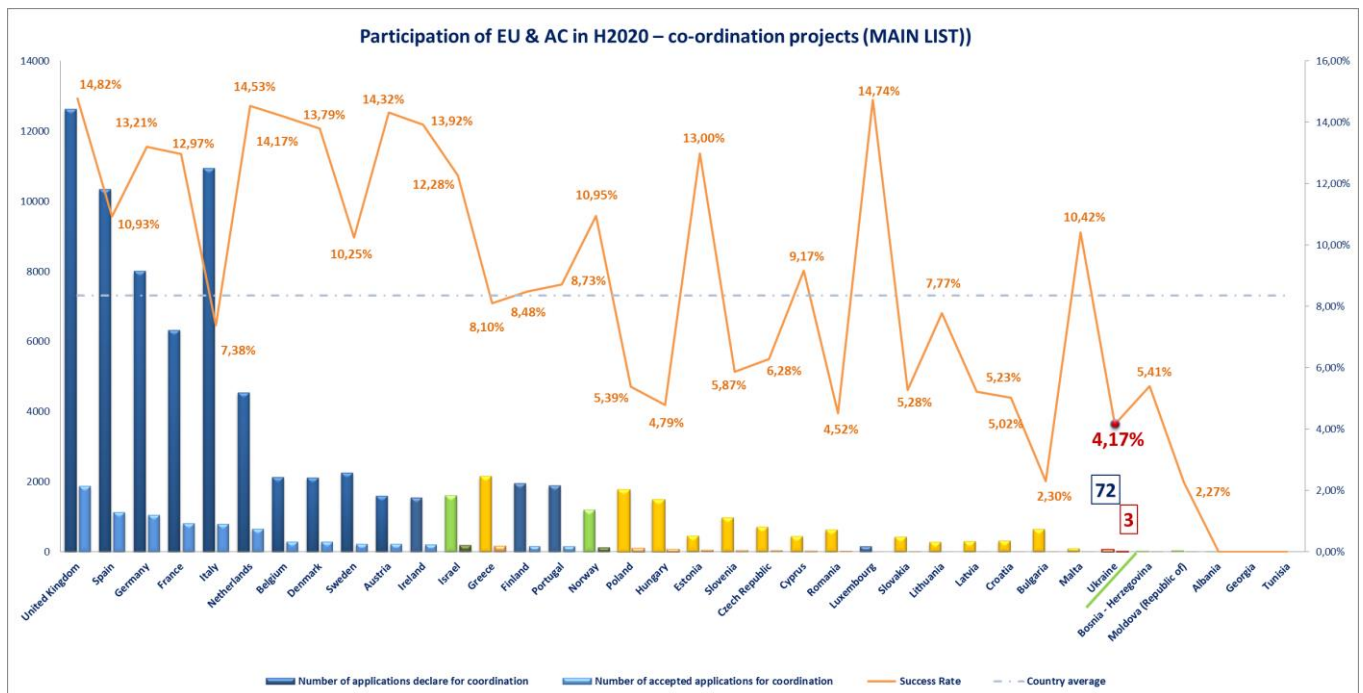


Ukraine is on the 3rd place among the countries in terms of plural Associated Countries participation in the selected projects do Implementation (MAIN LIST). Countries with a better results are: Norway (1) and Israel (2).

All the anticipated funding for Ukrainian entities whose projects were on the MAIN LIST is **7 601 574 €** out of a total **646 413 210 €** expected for all entities from Associated Countries.

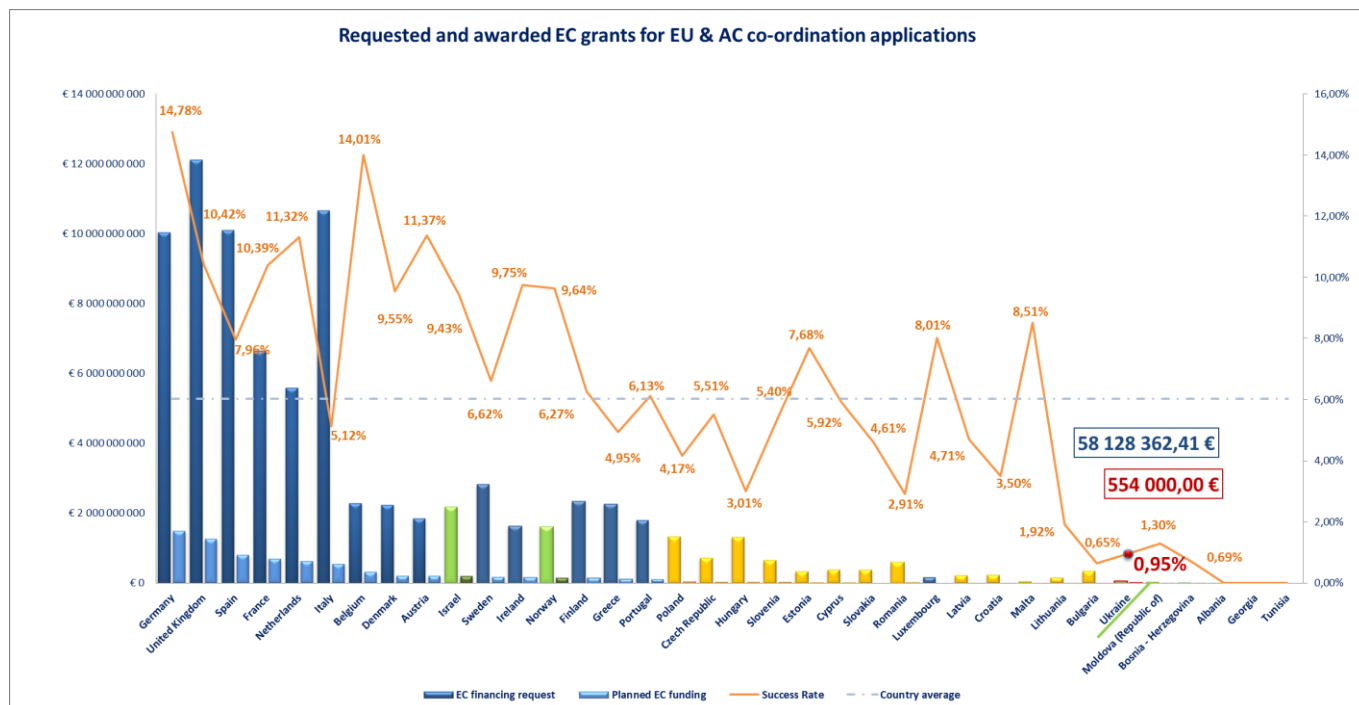
Similarly, in the case of financing requests for co-ordination - Ukraine received funding of **554 000 €** for 3 projects selected from 72 submitted applications.

Figure 12. Coordinated by UE & AC projects (by country descending).



All the funding that has been anticipated for Ukrainian entities that were selected for funding (MAIN LIST) of the coordination of projects came to **554 000 €** out of a total of **7 533 912 485 €** expected for all coordinators from the EU Member States and Associated Countries, which puts Ukraine on the 31th place in this group of countries involving 0,01% of the distributed budget (Figure 13).

Figure 13. Gained by EU & AC participants EC contribution (MAINLIST) by country of coordination (descending)



Ukraine cooperation with partners from other countries – cross table

Table 7. UA cooperation with EU28

		Member States (MEMBER)																												Total
		AT	BE	DE	DK	EL	ES	FI	FR	IE	IT	LU	NL	PT	SE	UK	BG	CY	CZ	EE	HR	HU	LT	LV	MT	PL	RO	SI	SK	
Member States	AT	665	586	2445	259	301	1178	303	954	153	1074	40	822	348	356	1050	91	50	196	57	79	118	60	52	21	198	149	165	135	11905
	BE	586	815	2410	417	485	1814	443	1784	323	1625	90	1543	434	530	1851	128	75	234	111	83	203	68	84	26	361	231	201	112	17067
	DE	2445	2410	4935	1121	1419	5166	1250	5104	798	4988	157	3829	1038	1757	5745	261	151	664	215	156	478	177	146	46	877	411	376	226	46346
	DK	259	417	1121	415	224	828	260	655	161	670	25	657	230	364	938	54	34	106	146	45	87	31	66	31	155	71	86	41	8177
	EL	301	485	1419	224	595	1335	208	922	191	1400	71	570	334	317	1381	92	143	141	68	72	122	56	53	24	202	130	136	57	11049
	ES	1178	1814	5166	828	1335	3570	974	3671	652	4516	121	2157	1133	1270	4453	249	172	463	266	161	359	108	98	50	599	363	375	161	36262
	FI	303	443	1250	260	208	974	299	801	152	834	24	628	233	374	847	56	30	131	64	31	96	45	42	14	156	81	101	50	8527
	FR	954	1784	5104	655	922	3671	801	2534	559	3272	119	2180	818	1097	3915	172	113	460	136	121	281	115	79	37	540	295	248	133	31115
	IE	153	323	798	161	191	652	152	559	231	557	15	394	178	146	806	38	37	66	35	43	80	29	32	14	112	93	55	47	5997
	IT	1074	1625	4988	670	1400	4516	834	3272	557	3198	121	2100	977	1208	4247	227	170	464	198	162	325	102	108	55	627	460	342	137	34164
	LU	40	90	157	25	71	121	24	119	15	121	24	71	39	28	134	10	14	22	17	16	20	18	12	7	26	19	16	15	1291
	NL	822	1543	3829	657	570	2157	628	2180	394	2100	71	1552	499	734	2735	117	86	331	159	90	249	88	100	43	385	256	200	118	22693
	PT	348	434	1038	230	334	1133	233	818	178	977	39	499	419	252	1080	67	62	118	62	63	98	44	49	13	195	147	108	63	9101
	SE	356	530	1757	364	317	1270	374	1097	146	1208	28	734	252	504	1309	64	43	159	64	32	113	48	50	26	208	115	90	48	11306
	UK	1050	1851	5745	938	1381	4453	847	3915	806	4247	134	2735	1080	1309	3365	227	189	433	174	152	349	117	113	64	683	307	298	138	37100
	BG	91	128	261	54	92	249	56	172	38	227	10	117	67	64	227	132	26	60	46	34	45	20	25	17	65	78	28	27	2456
	CY	50	75	151	34	143	172	30	113	37	170	14	86	62	43	189	26	48	18	23	23	21	15	21	9	48	41	32	24	1718
	CZ	196	234	664	106	141	463	131	460	66	464	22	331	118	159	433	60	18	90	41	31	66	32	42	10	101	69	49	75	4672
	EE	57	111	215	146	68	266	64	136	35	198	17	159	62	64	174	46	23	41	77	26	30	26	38	12	46	43	35	25	2240
	HR	79	83	156	45	72	161	31	121	43	162	16	90	63	32	152	34	23	31	26	62	31	19	21	6	53	42	42	29	1725
	HU	118	203	478	87	122	359	96	281	80	325	20	249	98	113	349	45	21	66	30	31	115	28	29	11	107	63	54	39	3617
	LT	60	68	177	31	56	108	45	115	29	102	18	88	44	48	117	20	15	32	26	19	28	46	27	8	42	30	23	26	1448
	LV	52	84	146	66	53	98	42	79	32	108	12	100	49	50	113	25	21	42	38	21	29	27	23	11	48	42	34	27	1472
	MT	21	26	46	31	24	50	14	37	14	55	7	43	13	26	64	17	9	10	12	6	11	8	11	19	12	18	9	7	620
	PL	198	361	877	155	202	599	156	540	112	627	26	385	195	208	683	65	48	101	46	53	107	42	48	12	374	103	65	55	6443
	RO	149	231	411	71	130	363	81	295	93	460	19	256	147	115	307	78	41	69	43	42	63	30	42	18	103	247	166	45	4015
	SI	165	201	376	86	136	375	101	248	55	342	16	200	108	90	298	28	32	49	35	42	54	23	34	9	65	66	146	37	3417
	SK	135	112	226	41	57	161	50	133	47	137	15	118	63	48	138	27	24	75	25	29	39	26	27	7	55	45	37	56	1953
Associate	BA	8	9	8	3	6	8	1	9	5	9	0	12	11	4	19	3	3	1	1	8	3	0	3	1	3	6	11	3	158
	GE	9	8	17	2	13	4	0	10	2	4	3	6	7	0	11	5	3	2	2	2	7	1	2	2	6	5	1	2	136
	IL	104	174	513	42	139	322	38	323	61	312	21	217	87	83	304	24	25	37	23	15	39	8	20	5	69	50	30	23	3108
	IS	14	41	80	38	26	78	15	95	19	60	6	57	20	22	87	6	12	17	13	11	12	7	9	2	38	17	14	9	825
	MD	7	14	14	5	12	12	7	14	5	17	5	9	11	2	8	5	8	7	8	7	9	3	3	2	12	8	4	5	223
	NO	169	297	864	246	194	703	175	647	152	590	20	463	212	217	840	42	46	86	52	37	61	32	36	21	124	87	54	49	6516
	TN	1	7	14	1	9	14	2	14	2	32	0	9	4	2	5	1	4	1	0	0	1	0	1	0	3	4	0	0	131
	UA	18	23	54	4	31	27	8	46	6	39	1	11	26	12	26	7	1	9	10	5	9	5	7	2	12	15	5	7	426
	Total	330	573	1564	341	430	1168	246	1158	252	1063	56	784	378	342	1300	93	102	160	109	85	141	56	81	35	267	192	119	98	11523

Table 8. UA cooperation with Candidate and Associate Countries

		Candidate Countries (CANDIDATE)						ASSOCIATE (ASSOCIATE)									
		AL	ME	MK	RS	TR	Total	BA	GE	IL	IS	MD	NO	TN	UA	Total	
ASSOCIATE	BA	3	2	3	9	2	19	3	1	4	1	2	2	0	0	13	
	GE	1	2	2	4	8	17	1	2	3	1	7	1	0	8	23	
	IL	4	3	9	11	31	58	4	3	153	13	9	50	2	2	236	
	IS	1	0	2	3	12	18	1	1	13	17	5	47	1	0	85	
	MD	2	3	4	5	9	23	2	7	9	5	1	4	1	8	37	
	NO	1	0	5	18	50	74	2	1	50	47	4	197	5	4	310	
	TN	1	0	1	2	7	11	0	0	2	1	1	5	4	0	13	
	UA	0	1	1	7	10	19	0	8	2	0	8	4	0	13	35	
	Total	13	11	27	59	129	239	13	23	236	85	37	310	13	35	752	

Table 9. UA cooperation with Third Countries

		Third Countries (TIERS)																																							
		AI	AM	AR	AU	AZ	BD	BF	BI	BR	BW	BY	CA	CH	CI	CL	CM	CN	CO	CV	DZ	EC	EG	ET	FO	GD	GH	GI	GL	GT	HK	ID	IN	IQ	IR	JE	JM	JO	JP	KE	
ASSOCIATE	BA	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	
	GE	0	7	1	0	4	0	0	0	0	0	4	0	2	0	0	0	2	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	1	0	0
	IL	0	3	2	2	0	0	0	0	1	0	3	7	68	0	0	0	0	0	0	0	0	5	0	0	0	0	4	0	1	0	0	2	0	0	0	0	0	1	1	2
	IS	0	1	2	2	0	0	0	0	2	0	2	8	21	0	1	0	0	0	0	0	0	2	0	4	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
	MD	0	5	1	0	2	0	0	0	0	0	4	1	8	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0
	NO	1	1	1	18	0	4	1	0	8	1	4	31	126	0	4	0	20	1	1	0	0	2	1	10	0	6	0	4	1	0	0	2	1	0	0	0	0	0	0	11
	TN	0	0	0	0	0	0	0	0	0	0	0	1	6	0	1	0	2	0	1	6	0	11	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	3	0	3
	UA	0	4	1	0	3	0	0	0	0	0	0	4	0	8	0	0	0	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
	Total	1	22	8	22	9	4	1	0	11	1	21	48	240	0	6	0	38	1	2	6	0	25	3	14	0	7	4	4	5	0	0	4	3	0	0	0	7	1	16	

Table 9. UA cooperation with Third Countries – cont.

	Third Countries																																									
	(TIERS)																																									
	KG	KR	KZ	LB	LI	LK	LY	MA	MG	ML	MW	MX	MY	MZ	NA	NG	NP	NZ	PE	PH	PK	PS	QA	RU	RW	SG	SN	TG	TH	TW	TZ	UG	US	UY	VG	VN	XK	YE	ZA	ZM	Total	
BA	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	0	0	0	1	0	0	0	5	
GE	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	33
IL	0	0	0	0	0	0	0	3	1	0	0	1	0	0	0	0	0	0	3	0	0	1	0	2	0	0	0	0	2	7	0	0	8	0	0	0	2	0	6	0	138	
IS	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	2	1	0	3	0	0	2	0	58	
MD	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	2	0	0	0	0	0	1	0	0	1	0	0	0	2	0	2	0	37	
NO	0	0	0	2	0	0	0	4	3	0	2	1	0	0	0	0	0	2	0	0	0	0	0	7	0	0	2	0	1	6	8	3	23	2	0	7	1	0	14	0	348	
TN	0	0	0	5	0	0	3	9	1	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	1	2	0	1	0	0	0	0	0	1	0	66	
UA	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	3	0	0	1	0	0	0	0	0	0	1	0	0	0	1	1	0	0	45
Total	0	0	0	7	1	0	3	17	6	2	2	5	0	0	0	1	0	2	3	0	0	8	0	19	0	0	3	0	3	16	10	3	36	3	0	10	7	2	27	0	730	

Develop shortcuts

Short	Full name of the organisation type
HES	Higher or secondary education
N/A	Not available
OTH	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
CS2-IA	Innovation action
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	Consolidator Grant
ERC-LVG	ERC low value grant
ERC-POC	Proof of Concept Grant
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
FPA-SGA-CSA	Framework Partnership Agreement and Coordination and Support Action funded by a specific grant awarded under the Framework Partnership Agreement
IA	Innovation action
IMI2	JTI Innovative Medicines Initiative
IMI2-CSA	Coordination and support action
IMI2-IA	Innovation action
IMI2-RIA	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	Standard EF
MSCA-IF-GF	Global Fellowships
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
PCP	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	SGA-RIA
Shift2Rail	Shift2Rail
Shift2Rail-CSA	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

Short	Full name of the thematic area
CROSST	Cross-theme
EXCSCI-CROSST	Excellent Science - Cross-theme
ERC	European Research Council
FET	Future and Emerging Technologies
MSCA	Marie Skłodowska-Curie actions
INFRA	Research infrastructures
INDLEAD-CROSST	Industrial Leadership - Cross-theme
LEIT	Leadership in enabling and industrial technologies (LEIT)
ICT	Information and Communication Technologies
NMP	Nanotechnologies, Advanced Materials and Production
ADVMAT	Advanced materials
BIOTECH	Biotechnology
ADVMANU	Advanced manufacturing and processing
SPACE	Space
RISKFINANCE	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
TPT	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
GENDEREQ	Promote gender equality in research and innovation
INEGSOC	Integrate society in science and innovation
SCIENCE	Encourage citizens to engage in science
RESACCESS	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
IMPACT	Anticipating and assessing potential environmental, health and safety impacts
KNOWLEDGE	Improve knowledge on science communication
EURATOM	Euratom

