

H2020 & FP9. New challenges

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Statistics



March, 2017

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 **323 calls** where **429 Ukrainian organizations** participated in **preparation** of 715 project proposals (950 participations), expecting EC contribution of 269.24 M€.

69 organizations are in 66 proposals on MAIN LIST, with EC contribution of **11.99 M€**.

These results classify Ukraine on the 6th place among Associated & Candidate Countries just after Serbia and Iceland in both: number of participations and gained EC contribution.

Statistics



March, 2017

MAINLIST	The number of projects on MAIN LIST	Planned EC Contribution for projects on MAIN LIST	Average project financing
All Countries	31 951	23 638 395 547,18 €	739 832,73 €
EU28	14 178	21 932 700 566,63 €	1 546 953,07 €
EU15	11 971	20 784 810 468,38 €	1 736 263,51 €
EU13	2 207	1 147 890 098,25 €	520 113,32 €
Associated Counties	1188	855 975 124,04 €	720 517,78 €
Ukraine	66	11 995 693,25 €	181 752,93 €
Candidate Countries	506	194 410 537,89 €	384 210,55 €
Third Countries	1901	655 309 318,62 €	344 718,21 €

Detailed analyses show that **32% of Ukrainian participants** are from **higher and secondary education institutions**, 36% from private for profit organizations and over 25% from research organizations.

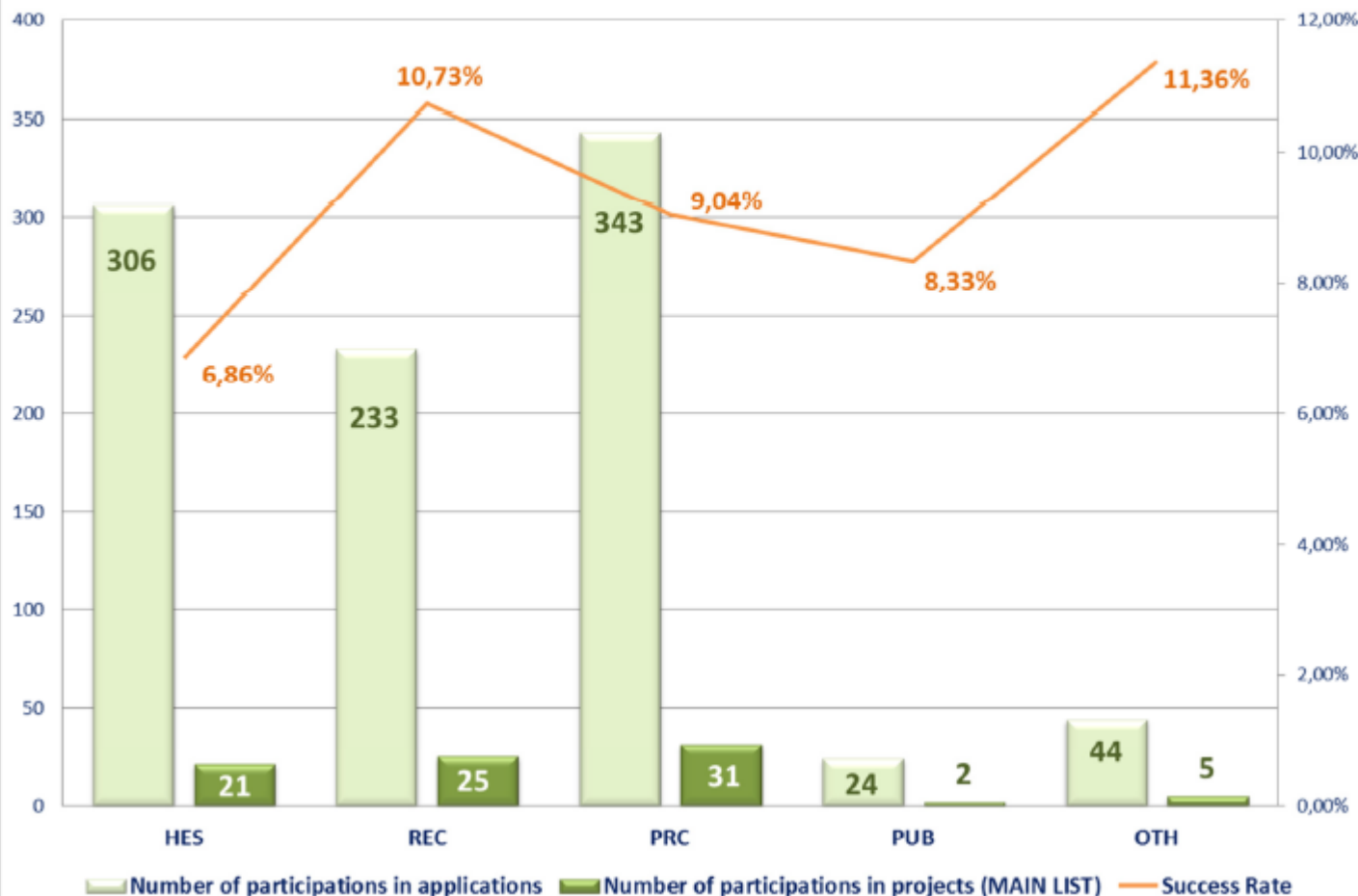
Statistics



H2020 Pillar and Objective (Section)	Number of proposals	Number of participations	Requested EC contribution
EC	1	1	419 563 €
Cross-theme	1	1	419 563 €
Euratom	2	2	143 213 €
Euratom	2	2	143 213 €
Excellent Science	24	33	4 453 158 €
Marie Skłodowska-Curie actions	19	28	4 310 207 €
Research infrastructures	5	5	142 951 €
Industrial Leadership	7	9	2 346 670 €
Advanced materials	1	1	442 645 €
Space	3	5	442 221 €
Information and Communication Technologies	2	2	1 411 804 €
Nanotechnologies, Advanced Materials and Production	1	1	50 000 €
Science with and for Society	1	1	123 500 €
Promote gender equality in research and innovation	1	1	123 500 €
Societal Challenges	30	37	4 360 841 €
Climate action, environment, resource efficiency and raw materials	7	7	1 423 872 €
Europe in a changing world - inclusive, innovative and reflective Societies	5	6	567 237 €
Food security, sustainable agriculture and forestry, marine and maritime and inland water rese:	5	5	302 250 €
Secure societies - Protecting freedom and security of Europe and its citizens	1	1	51 361 €
Secure, clean and efficient energy	6	8	838 129 €
Smart, green and integrated transport	4	8	822 388 €
Health, demographic change and wellbeing	2	2	355 605 €
Spreading excellence and widening participation	1	1	148 750 €
Twinning of research institutions	1	1	148 750 €
TOTAL	66	84	11 995 693 €

Statistics

Ukrainian participation in proposals and projects (MAIN LIST) by type of organization



PRC - Private Sector,
REC - Research Organizations
HES - Higher Education Institutions

Statistics



HES (Higher or Secondary Education Establishments)

16 Ukrainian HES received **2 083 151.00 €** of EC contribution:

No.	Organization name (in projects on MAIN LIST)	Number of participation	Planned EC funding
1	NATIONAL ACADEMY OF SCIENCES OF UKRAINE NAS OF UKRAINE	2	175 312,50 €
2	NATIONAL AEROSPACE UNIVERSITY KHARKIV AVIATION INSTITUTE NAMED BY N ZUKOVSKIY	2	249 125,00 €
3	NATIONAL TECHNICAL UNIVERSITY OF UKRAINE IGOR SIKORSKY KYIV POLYTECHNIC INSTITUTE	2	263 250,00 €
4	NATIONAL UNIVERSITY OF KYIV-MOHYLA ACADEMY	2	206 425,00 €
5	TARAS SHEVCHENKO NATIONAL UNIVERSITY OF KYIV	2	182 000,00 €
6	DONETSK NATIONAL UNIVERSITY	1	126 000,00 €
7	FILATOV INSTITUTE OF EYE DISEASES AND TISSUE THERAPY OF THE NATIONAL ACADEMY OF MEDICAL SCIENCES OF UKRAINE	1	313 110,00 €
8	LVIVSKYI NATIONALNYI MEDYCHNYI UNIVERSYTET IMENI DANYLA HALYTSKOHO	1	76 500,00 €
9	MARINE HYDROPHYSICAL INSTITUTE - UKRAINIAN NATIONAL ACADEMY OF SCIENCES	1	79 040,00 €
10	NATIONAL AVIATION UNIVERSITY	1	112 500,00 €
11	ODESSA NATIONAL I.I. MECHNIKOV UNIVERSITY	1	54 000,00 €
12	Odessa State Environmental University	1	28 187,50 €
13	SIMON KUZNETS KHARKIV NATIONAL UNIVERSITY OF ECONOMICS	1	123 500,00 €
14	STATE ORGANIZATION INSTITUTE FOR ECONOMICS AND FORECASTING UKRAINIAN NATIONAL ACADEMY OF SCIENCES	1	46 456,00 €
15	Ukrainian National Forestry University	1	10 234,00 €
16	UZHGORODSKYI NACIONALNYI UNIVERSITET	1	37 511,00 €
Total		21	2 083 151,00 €

Statistics



REC (Research Organisations)

19 Ukrainian REC received **3 572 692.50 €** of EC contribution:

No.	Organization name (in projects on MAIN LIST)	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	ASSOCIATION OF USERS OF UKRAINIAN RESEARCH AND ACADEMIC NETWORK URAN	2	40 002,00 €
3	INSTITUTE OF BIOENERGY CROPS AND SUGAR BEET NATIONAL ACADEMY OF AGRARIAN SCIENCES OF UKRAINE	2	195 847,50 €
4	R.E. KAVETSKY INSTITUTE OF EXPERIMENTAL PATHOLOGY ONCOLOGY AND RADIOBIOLOGY OF NATIONAL ACADEMY OF SCIENCES OF UKRAINE	2	310 750,00 €
5	SPACE RESEARCH INSTITUTE OF THE NATIONAL ACADEMY OF SCIENCES OF UKRAINE AND THE NATIONAL SPACE AGENCY OF UKRAINE	2	514 968,00 €
6	INSTITUTE FOR CONDENSED MATTER PHYSICS OF THE NATIONAL ACADEMY OF SCIENCES OF UKRAINE	1	94 500,00 €
7	INSTITUTE FOR LOW TEMPERATURE PHYSICS AND ENGINEERING of NASU	1	94 500,00 €
8	Institute for Scintillation Materials of National Academy of Sciences of Ukraine	1	193 500,00 €
9	INSTITUTE OF APPLIED MATHEMATICS AND MECHANICS OF THE NATIONAL ACADEMY OF SCIENCE OF UKRAINE - IAMM NASU	1	184 500,00 €
10	INSTITUTE OF MAGNETISM OF THE NATIONAL ACADEMY OF SCIENCE OF UKRAINE AND THE MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE	1	58 500,00 €
11	INSTITUTE OF MATHEMATICS OF THE NATIONAL ACADEMY OF SCIENCES OF UKRAINE	1	184 500,00 €
12	INSTITUTE OF ORGANIC CHEMISTRY OF NATIONAL ACADEMY SCIENCES OF UKRAINE	1	198 000,00 €
13	INSTITUTE OF PHYSICS OF NATIONAL ACADEMY OF SCIENCE OF UKRAINE	1	94 500,00 €
14	INTERNATIONAL CIVIC ORGANISATION KYIV ECONOMICS INSTITUTE	1	96 500,00 €
15	NATIONAL SCIENCE CENTER KHARKOV INSTITUTE OF PHYSICS AND TECHNOLOGY	1	112 750,00 €
16	UKRAINIAN INSTITUTE FOR PUBLIC POLICY CIVIC ORGANIZATION	1	153 750,00 €
17	UKRAINIAN SCIENTIFIC CENTRE OF ECOLOGY OF THE SEA	1	37 250,00 €
18	V.I.Vernadskii Institute of General and Inorganic Chemistry NAS of Ukraine	1	162 000,00 €
19	V.N. BAKUL INSTITUTE FOR SUPERHARD MATERIALS OF THE NATIONAL ACADEMY OF SCIENCES	1	324 375,00 €
Total		25	3 572 692,50 €

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

2 Ukrainian PUB received 197 088.00 € of EC contribution:

No.	Organization name (in projects on MAIN LIST)	Number of participation	Planned EC funding
1	STATE SPACE AGENCY OF UKRAINE	1	56 963,00 €
2	THE CENTRE FOR SCIENTIFIC AND TECHNICAL INFORMATION AND INNOVATION PROMOTION OF UKRAINE	1	140 125,00 €
Total		2	197 088,00 €

PRC (Private for-profit)

28 Ukrainian PRC received 5 832 212.00 € of EC contribution:

No.	Organization name (in projects on MAIN LIST)	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	AGRO LV LIMITED	1	32 937,50 €
4	CENTRE FOR GLOBAL STUDIES STRATEGY XXI	1	95 687,50 €
5	CORPORATION SCIENCE PARK TARAS SHEVCHENKO UNIVERSITY OF KYIV	1	288 000,00 €
6	ENAMINE LIMITED LIABILITY COMPANY, RESEARCH AND PRODUCTION ENTERPRISE	1	409 500,00 €
7	Energorisk, Ltd.	1	30 462,50 €
8	FIATU	1	121 944,00 €
9	FIRMA INSTYTUT ECOLOGII LIUDYNY-INEKO	1	50 000,00 €
10	INTERNATIONAL CLINIC OF REHABILITATION LLC	1	190 916,25 €
11	JOINT STOCK COMPANY FARMAK	1	220 500,00 €
12	JOINT STOCK COMPANY NVO CHERNOVA HUIIYA	1	50 000,00 €
13	LIMITED LIABILITY COMPANY APOWERCAP, LLC APOWERCAP	1	419 562,50 €
14	LIMITED LIABILITY COMPANY POLYTEDA CLOUD	1	1 220 887,50 €
15	LIMITED LIABILITY COMPANY RESEARCH AND PRODUCTION ENTERPRISE I.F. LAB	1	162 000,00 €
16	LIMITED LIABILITY COMPANY SALIX ENERGY	1	134 086,25 €
17	LIMITED LIABILITY COMPANY STREAMOZONE	1	80 000,00 €
18	Marlin-Yug Ltd	1	80 000,00 €
19	MATERIALS RESEARCH CENTER	1	81 000,00 €
20	NANOTECHCENTER LLC	1	72 000,00 €
21	PUBLIC JOINT STOCK COMPANY ENGINEERING AND PRODUCTION ENTERPRISE VNIPITRANSGAZ	1	243 812,50 €
22	PUBLIC JOINT STOCK COMPANY FED	1	59 000,00 €
23	STATE ENTERPRISE STATE ROAD SCIENTIFIC RESEARCH INSTITUTE NAMED AFTER M. P. SHULGIN	1	45 200,00 €
24	STATE RESEARCH AND DEVELOPMENT ENTERPRISE STATE INFORMATION GEOLOGICAL FUND OF UKRAINE	1	197 402,00 €
25	TOV NAUKOVO VYROBNICHE PIDRIEMSTVOTEHNOLOGIKA	1	40 500,00 €
26	UKRAINIAN RESEARCH INSTITUTE OF AVIATION TECHNOLOGY	1	54 000,00 €
27	UKRORGSYNTEZ	1	360 000,00 €
28	ZAPOROZHYE MACHINE-BUILDING DESIGN BUREAU PROGRESS STATE ENTERPRISE NAMED AFTER ACADEMICIAN A.G. IVCHENKO	1	72 125,00 €
Total		31	5 832 212,00 €

Statistics



OTH (Other)

4 Ukrainian OTH received **310 549.75 €** of EC contribution:

No.	Organization name (in projects on MAIN LIST)	Number of participation	Planned EC funding
1	ASSOCIATION UKRAINIAN AGRIBUSINESSCLUB	2	207 693,75 €
2	INSTITUT SVITDOVOI POLITIKI	1	51 361,00 €
3	INTERNATIONAL CHARITABLE FUND OMNI-NET FOR CHILDREN	1	42 495,00 €
4	Scientific Foundation of Scientists and Specialists on Molecular Cybernetics and Informatics	1	9 000,00 €
Total		5	310 549,75 €

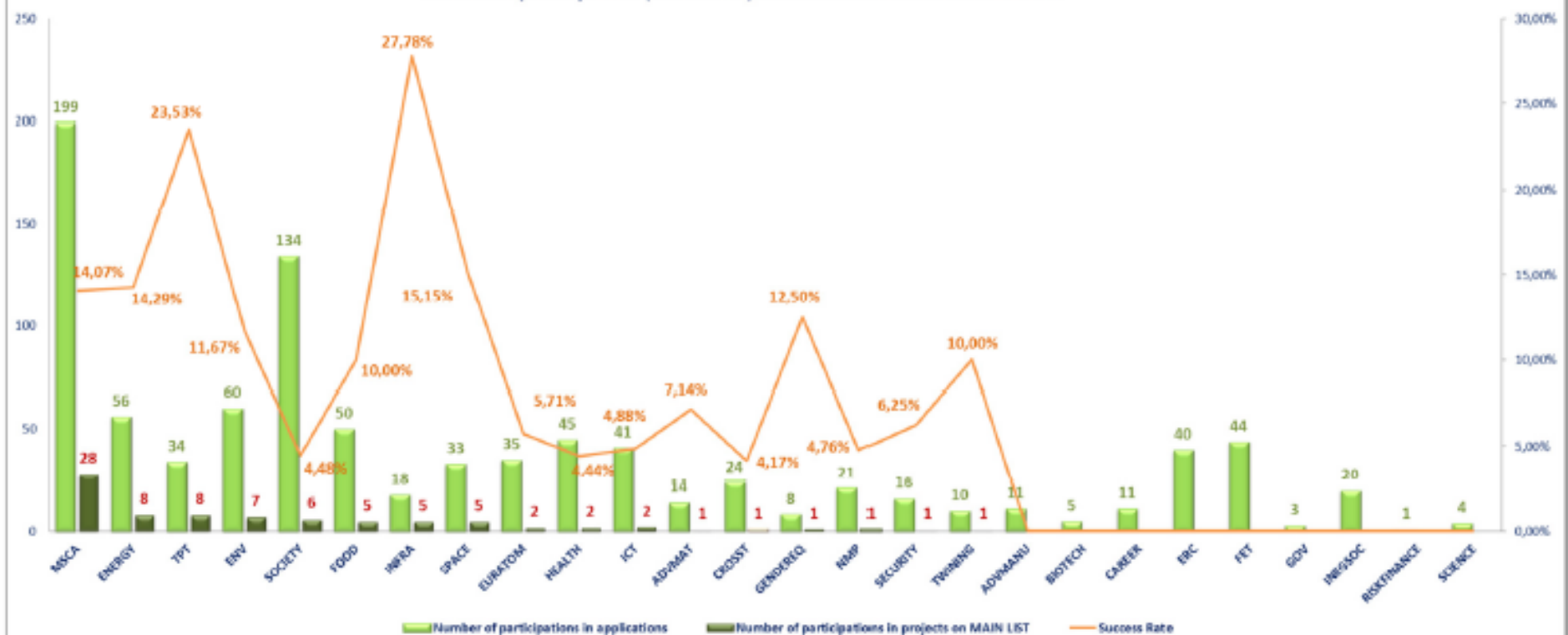
List of Ukrainian coordinators

5 Ukrainian co-ordinations were approved receiving **1 824 887.50 €** of EC contribution:

No.	Organization name (in projects on MAIN LIST)	Number of participation	Planned EC funding
1	ENAMINE LIMITED LIABILITY COMPANY, RESEARCH AND PRODUCTION ENTERPRISE	1	409 500,00 €
2	FIRMA INSTYTUT ECOLOGII LIUDYNY-INEKO	1	50 000,00 €
3	INSTITUTE OF PHYSICS OF NATIONAL ACADEMY OF SCIENCE OF UKRAINE	1	94 500,00 €
4	JOINT STOCK COMPANY NVO CHERNOVA HUILYA	1	50 000,00 €
5	LIMITED LIABILITY COMPANY POLYTEDA CLOUD	1	1 220 887,50 €
Total		5	1 824 887,50 €

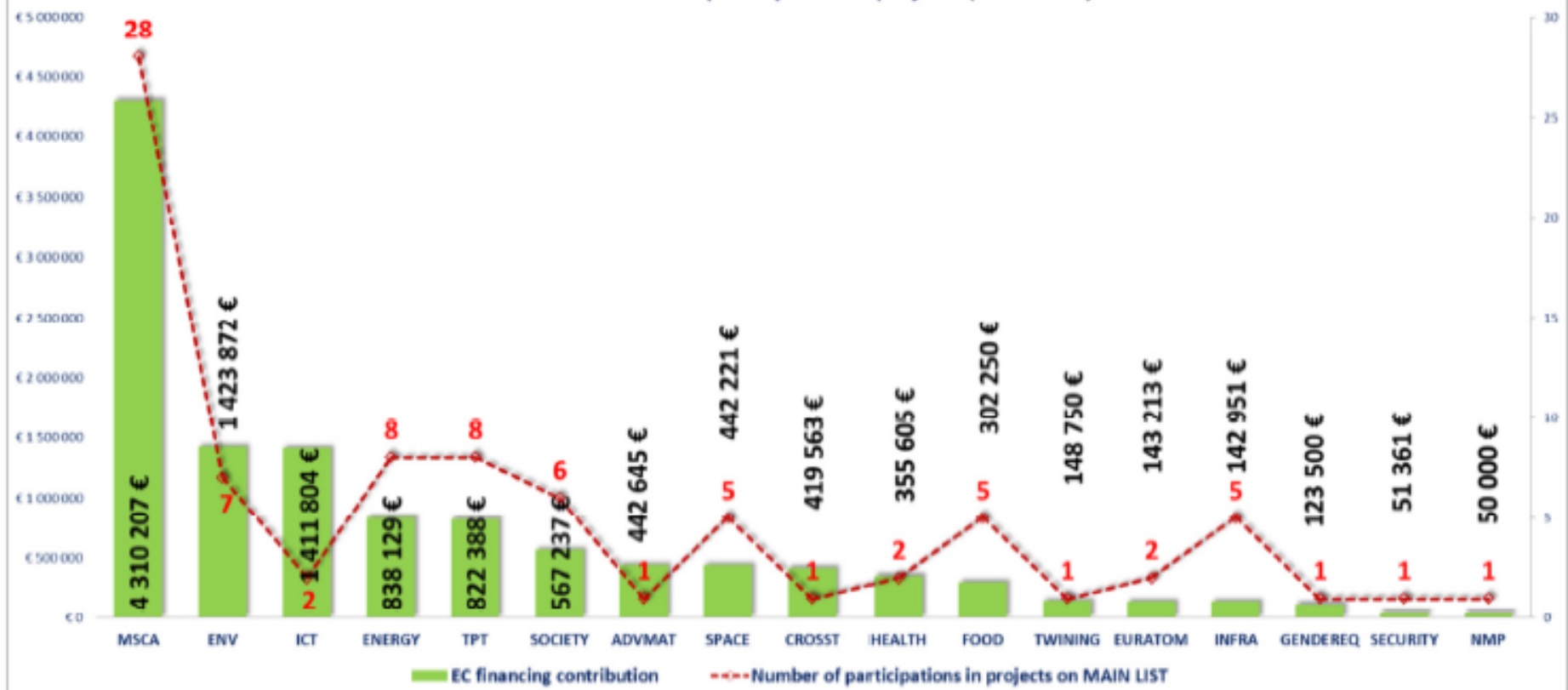
Ukrainian participation in proposals and projects on MAIN LIST by thematic area

Ukrainian participation (MAIN LIST) in various H2020 thematic areas



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

Ukrainian participation in projects (MAIN LIST)



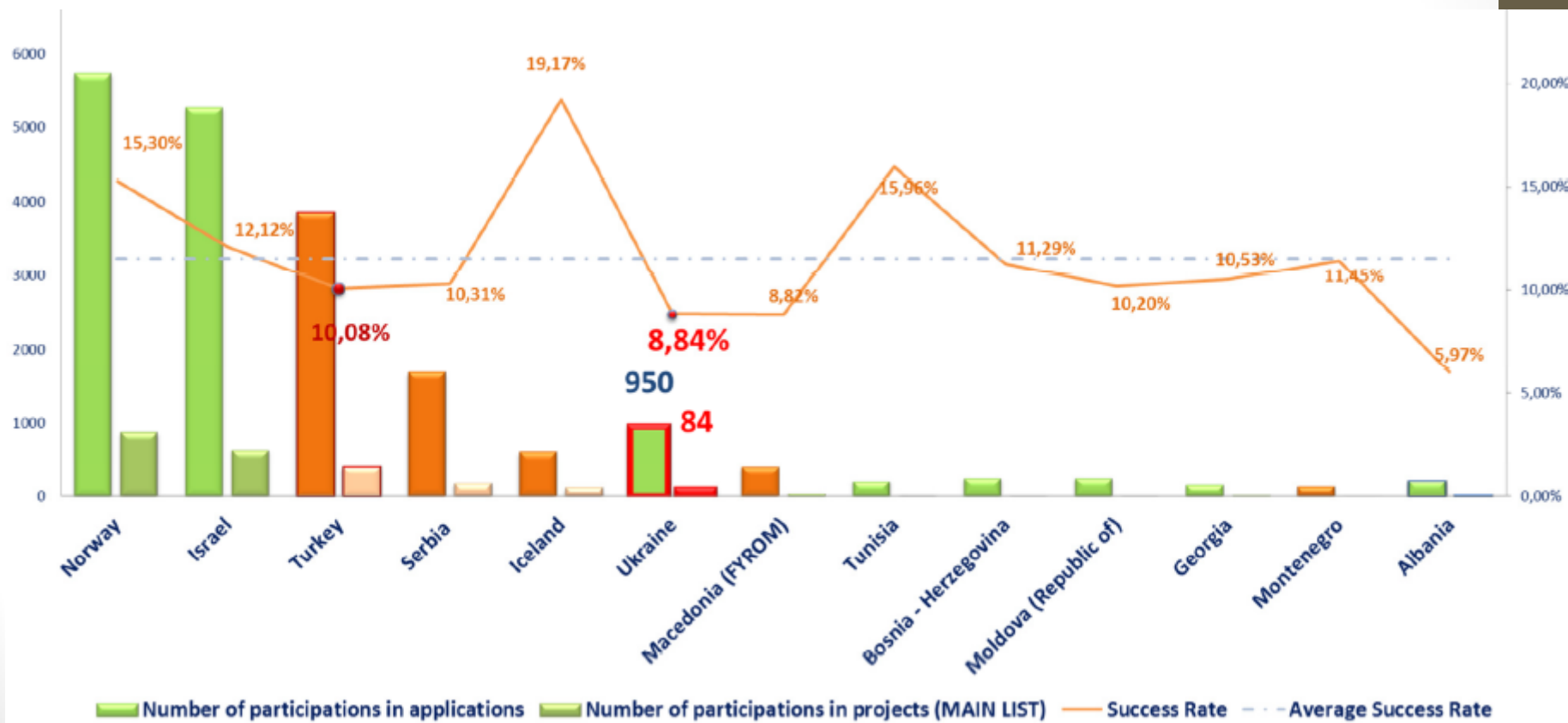
Ukrainian participations in SME projects

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
SME-1	EUWaste	FIRMA INSTYTUT ECOLOGII LIUDYNY-INEKO	Coordinator	Ecological Utilization of Waste	1	6	71 429,00 €	50 000,00 €
	xBeam	JOINT STOCK COMPANY NVO CHERNOVA HUILYA	Coordinator	xBeam 3D Metal Printing	1	6	71 429,00 €	50 000,00 €
SME-2	PVCLOUD	LIMITED LIABILITY COMPANY POLYTEDA CLOUD	Coordinator	Innovative Cloud-Based PV Workflow for Semiconductor Foundries	1	24	1 744 125,00 €	1 220 887,50 €
TOTAL	3						1 886 983,00 €	1 320 887,50 €

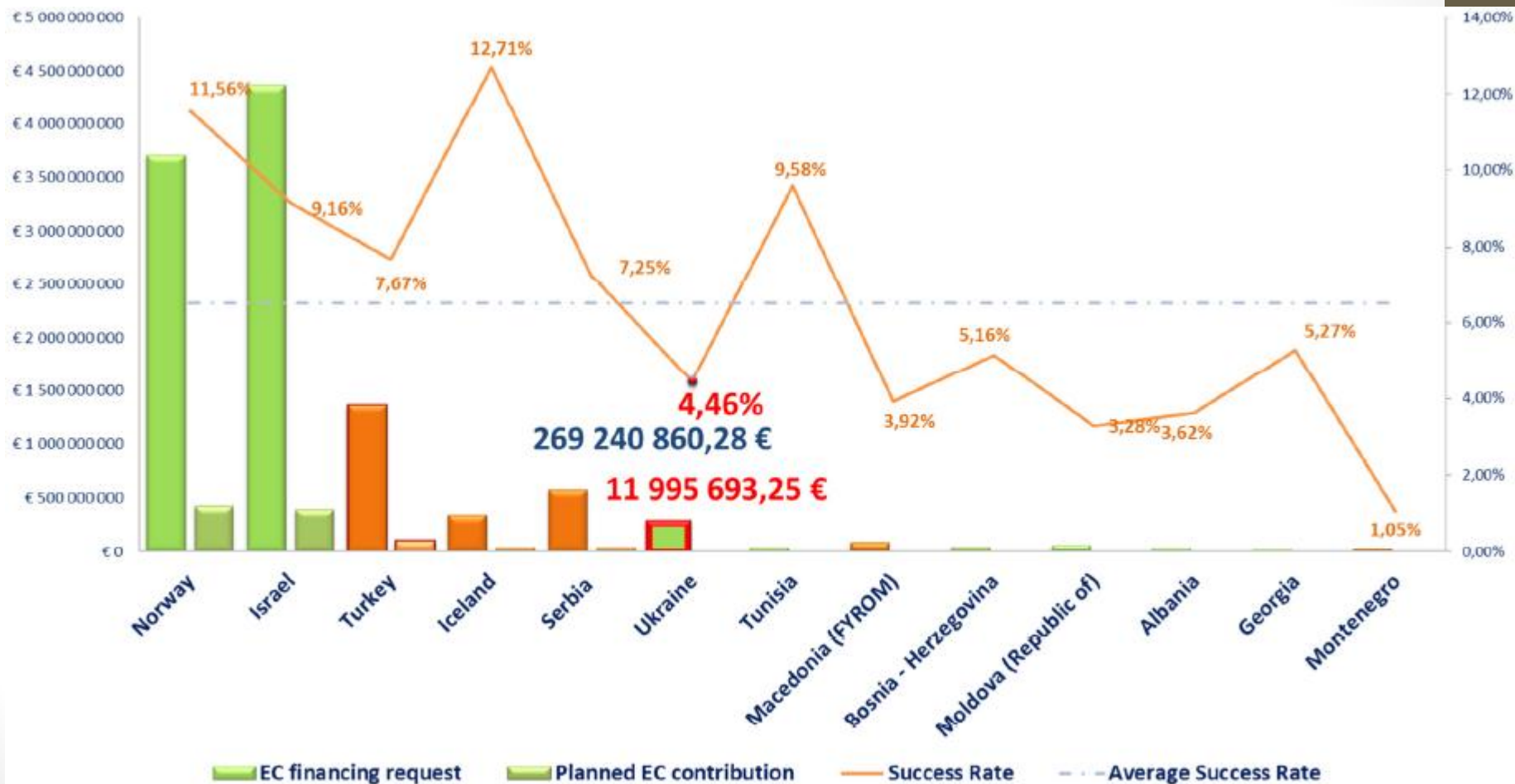
Acronim of projects on MAIN LIST	Organization name (in projects on MAIN LIST)	Role in the project	Project title	Number of partners	Project duration (months)	Project total cost	Planned EC Contribution
EQUINOX	YUZHNOYE DESIGN OFFICE NAMED AFTER MIKHAIL YANGEL	Partner	A novel process for manufacturing complex shaped Fe-Al intermetallic parts resistant to extreme environments	11	36	4 678 345,00 €	316 095,00 €
Flintstone2020	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 €	324 375,00 €
CareSTOR	LIMITED LIABILITY COMPANY APOWERCAP, LLC APOWERCAP	Partner	Market Uptake of Sustainable and Competitive Carbons for Energy Storage	4	36	2 675 901,25 €	419 562,50 €
CARTHER	CORPORATION SCIENCE PARK TARAS SHEVCHENKO UNIVERSITY OF KYIV	Partner	Carbon-based nano-materials for theranostic application	4	48	891 000,00 €	288 000,00 €

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
HUNTER	DONETSK INSTITUTE FOR PHYSICS AND ENGINEERING NAMED AFTER O.O. GALKIN OF THE NATIONAL ACADEMY OF SCIENCES OF UKRAINE	Partner	Advanced Humidity to Electricity Converter	9	48	873 000,00 €	135 000,00 €
INTELUM	Institute for Scintillation Materials of National Academy of Sciences of Ukraine	Partner	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 €	193 500,00 €
KEAC-BSR	ODESSA NATIONAL I.I. MECHNIKOV UNIVERSITY	Partner	Knowledge Exchange and Academic Cultures in the Humanities: Europe and the Black Sea Region, late 18th – 21st Centuries	12	48	1 665 000,00 €	54 000,00 €
MagIC	DONETSK INSTITUTE FOR PHYSICS AND ENGINEERING NAMED AFTER O.O. GALKIN OF THE NATIONAL ACADEMY OF SCIENCES OF UKRAINE	Partner	MagIC – Magnonics, Interactions and Complexity: a multifunctional aspects of spin wave dynamics	7	48	756 000,00 €	198 000,00 €
	DONETSK NATIONAL UNIVERSITY	Partner					126 000,00 €
	INSTITUTE OF MAGNETISM OF THE NATIONAL ACADEMY OF SCIENCE OF UKRAINE AND THE MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE	Partner					58 500,00 €
METCOPH	V.I.Vernadskii Institute of General and Inorganic Chemistry NAS of Ukraine	Partner	Metallocomplexes of macrocyclic compounds for photonic devices	5	48	688 500,00 €	162 000,00 €
MILEAGE	LIMITED LIABILITY COMPANY RESEARCH AND PRODUCTION ENTERPRISE I.F. LAB	Partner	Microelements in Life Expectancy and Aging	5	48	864 000,00 €	162 000,00 €
NANO GUARD2 AR	DONETSK INSTITUTE FOR PHYSICS AND ENGINEERING NAMED AFTER O.O. GALKIN OF THE NATIONAL ACADEMY OF SCIENCES OF UKRAINE	Partner	NANOMATERIALS-BASED INNOVATIVE ENGINEERING SOLUTION TO ENSURE SUSTAINABLE SAFEGUARD TO INDOOR AIR	13	48	1 386 000,00 €	189 000,00 €
	MATERIALS RESEARCH CENTER	Partner					81 000,00 €
	NANOTECHCENTER LLC	Partner					72 000,00 €
NanoMed	R.E KAVETSKY INSTITUTE OF EXPERIMENTAL PATHOLOGY ONCOLOGY AND RADIOBIOLOGY OF NATIONAL ACADEMY OF SCIENCES OF UKRAINE	Partner	Nanoporous and Nanostructured Materials for Medical Applications	13	48	972 000,00 €	40 500,00 €
	TOV NAUKOVO VYROBNICHE PIDRIEMSTVOTEHNOLOGIKA	Partner					162 000,00 €
PANG	LVIVSKYI NATIONALNYI MEDYCHNYI UNIVERSYTET IMENI DANYLA HALYTSKOHO	Partner	Pathogen and Graphene	8	48	580 500,00 €	76 500,00 €
PELICO	ENAMINE LIMITED LIABILITY COMPANY, RESEARCH AND PRODUCTION ENTERPRISE	Coordinator	Peptidomimetics with photocontrolled biological activity	4	48	688 500,00 €	409 500,00 €

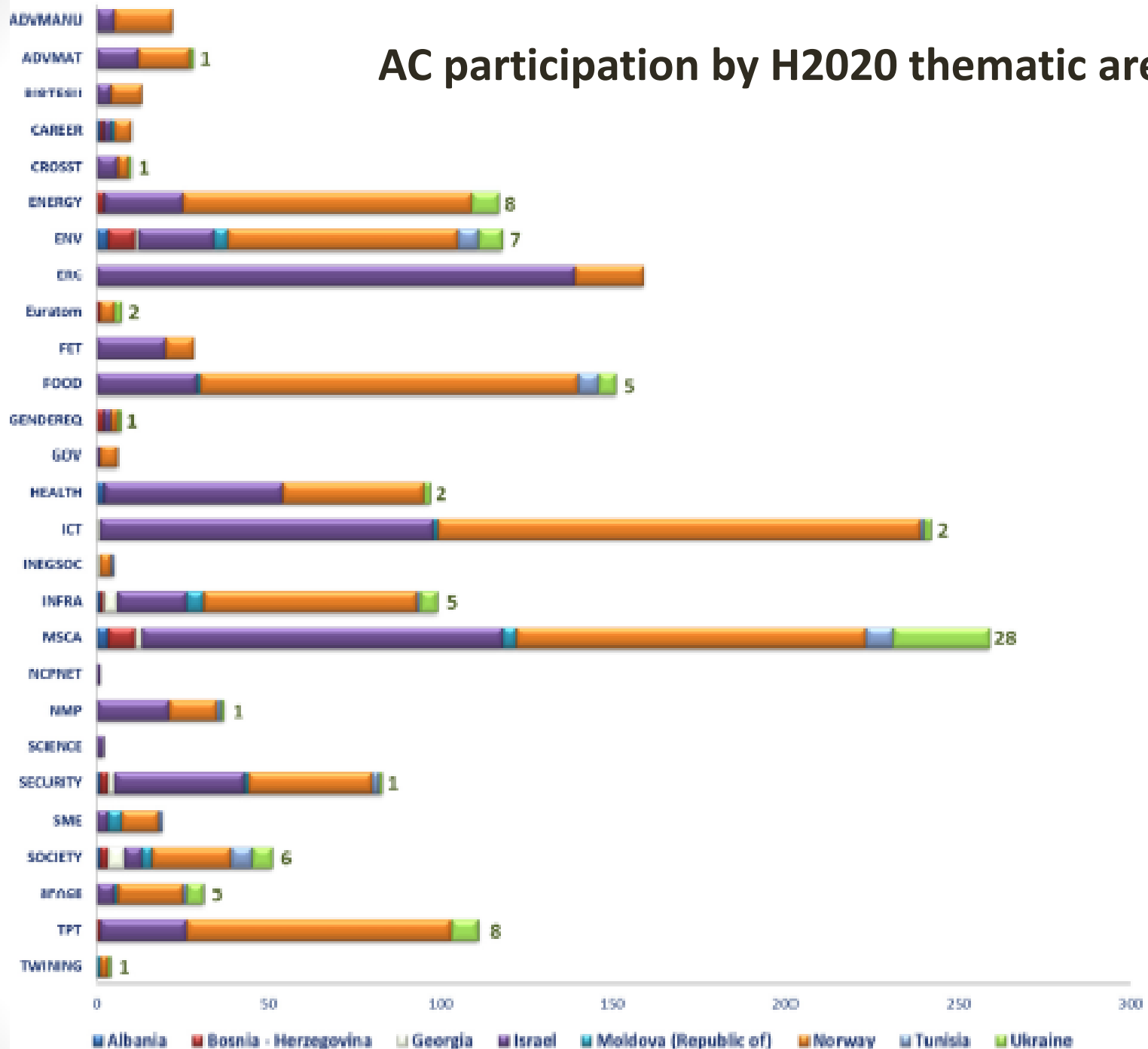
Submitted and awarded proposals (updated after 323 calls)



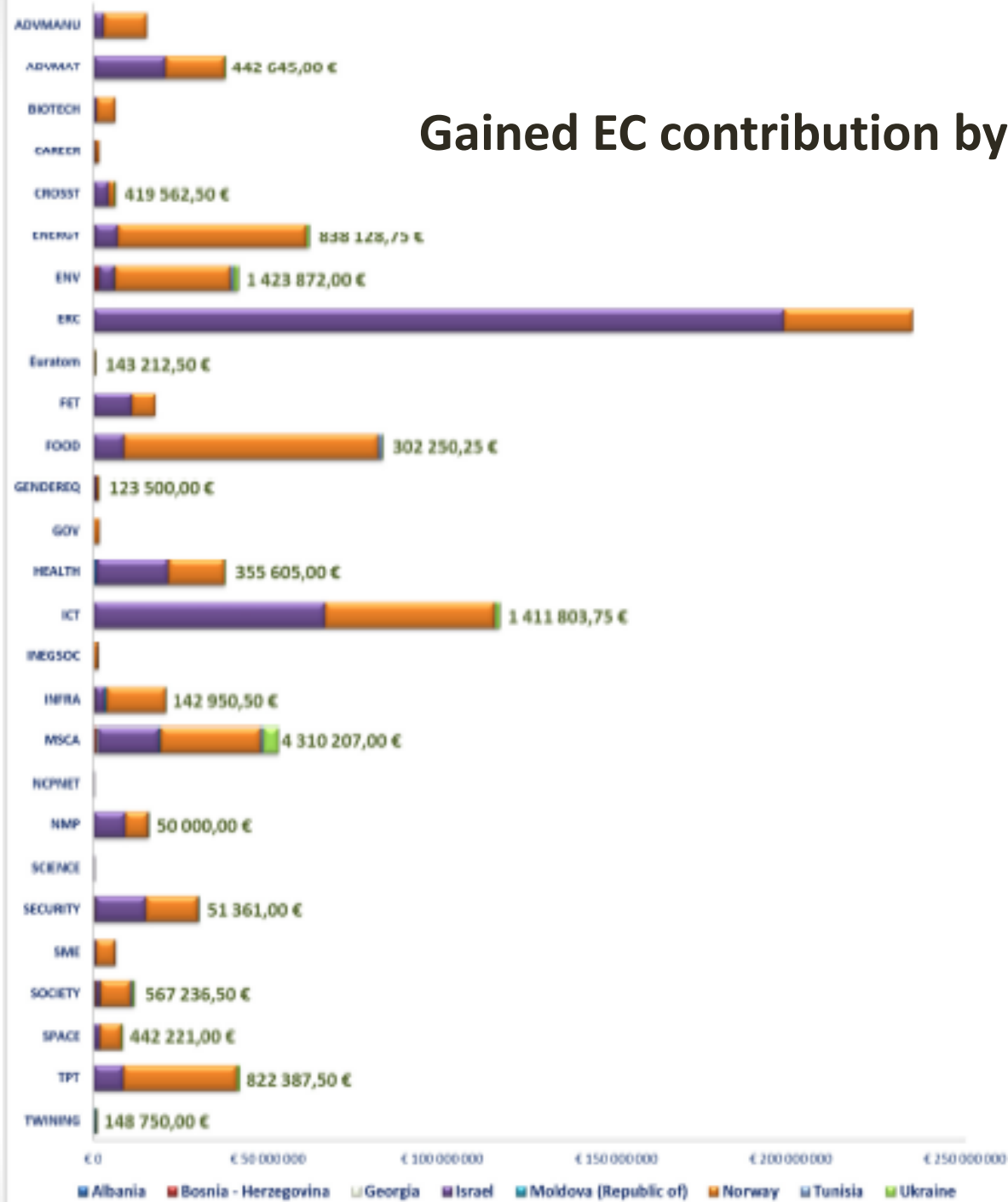
Requested and approved EC contributions for projects (updated after 323 calls)



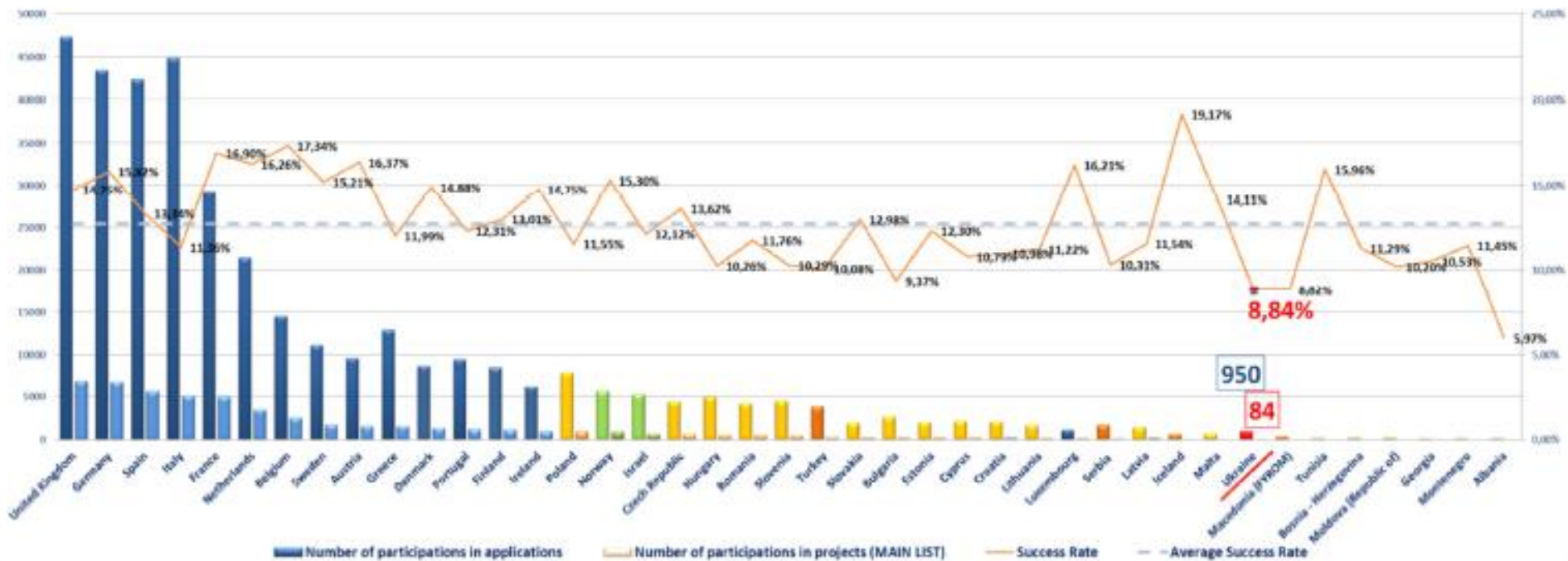
AC participation by H2020 thematic areas



Gained EC contribution by thematic areas

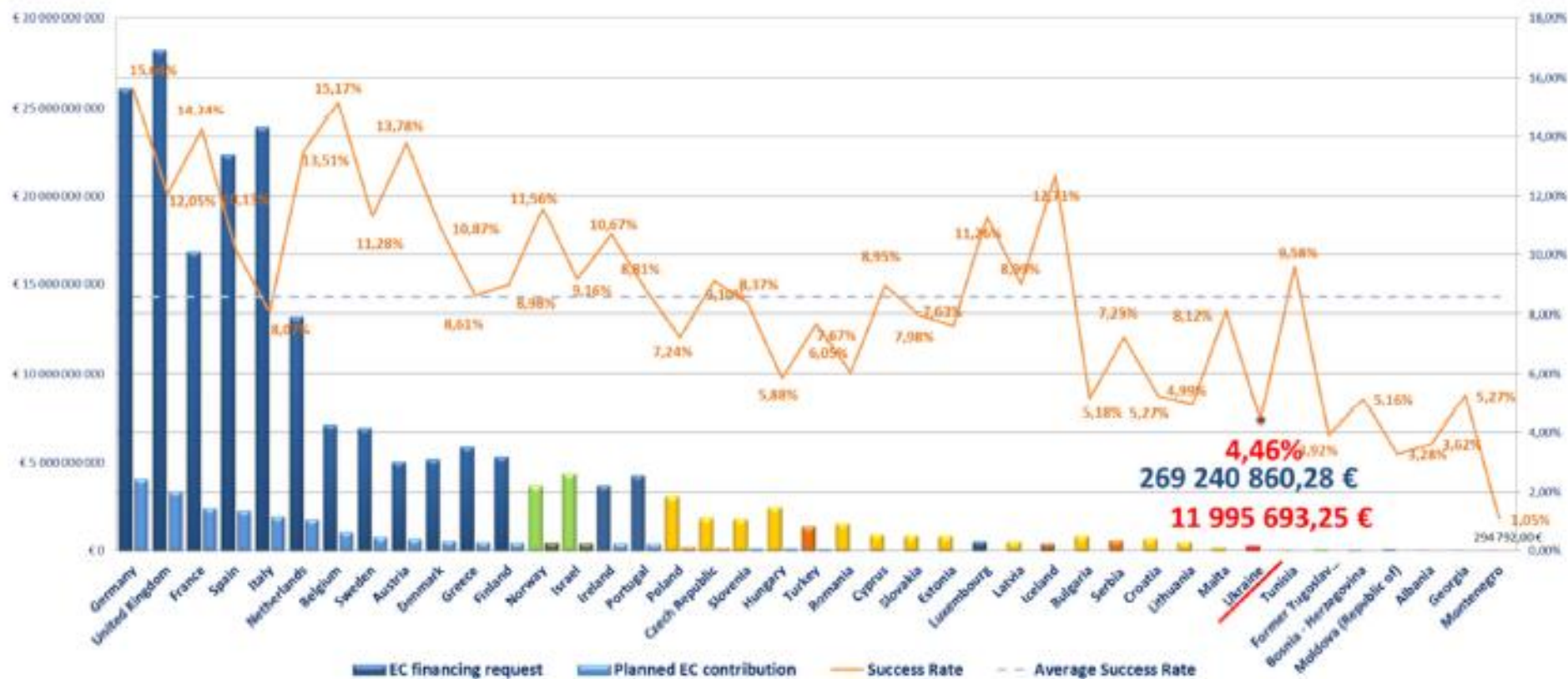


Number of participations in submitted and awarded (MAINLIST) H2020 proposals from EU, AC & CC - by country



Requested & Gained by EU, AC & CC participants

EC contribution for proposals on MAINLIST (by country)



Why is significantly more funding necessary for the future Framework Programme?

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Next Framework Programme

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Belgium presents position on future Framework Programme

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05 May 2017
EUA publishes position paper on EU funding for R&I post-2020

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Poland presents Position Paper on FP9 in Brussels

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Why is significantly more funding necessary for the future Framework Programme?



The European University Association (EUA) has published a position paper advocating ambitious EU funding for research and innovation (R&I) in Europe post-2020.

The EU Framework Programme (FP) has a proven value for research and innovation support in Europe. **Every €1 invested by the FP generates on average €13** in increased value added of the business sector.

The success rates collapsed from 43% in FP5 to 26% in Horizon 2020 (there is the drop for high quality proposals).

At present, between 30% and 50% of funding that countries receive from Horizon 2020 goes to cover the costs of applications, successful or otherwise. In other words, the full cost of participation in FP projects remains too high and hardly affordable for beneficiaries, including universities. As most of the applications are submitted by publicly-funded organizations, national budgets bear the costs of unfunded applications.⁴ Various measures that have been tabled so far to tackle the low success rates (e.g. a more active use of two-stage calls) are mostly palliative in nature and largely ignore underfunding as the root cause of the problem.

FP9 funding scenarios

1. “Просто бізнес”

The “business as usual” scenario proceeds from the looming financial uncertainties and involves a budget for FP9 equivalent to the current level or even slightly less. As a result, only a marginal amount of top proposals would be funded, with FP9 becoming the programme with the lowest success rate so far (below 10%). This would mean that more than 90% of ideas would be lost, and up to 50% of money allocated would be wasted in resources through the costs of unfunded proposals.

Сценарій «Просто бізнес» є продовженням існуючих тенденцій у попередніх рамкових програмах.

Результат: фінансуватися буде дуже обмежене число пропозицій, а існуюча тенденція, яка полягає у посиленні вимог до пропозицій призведе не лише до вищої якості, а в основному, до зменшення відсотка успішних проектів (< 10%). Тобто, 90% поданих ідей будуть втрачені.

FP9 funding scenarios

2. Виокремлення структурних проектів від загального числа фінансування РП9

- Передача структурних проектів від організацій із держав членів ЄС до тих держав, які найменше представлені у Рамкових програмах
(фінансово сильні країни отримують кошти на розвиток своїх ідей, а фінансово слабші країни – на розвиток матеріальної бази)

А) держави безпосередньо оголошують свої внутрішні конкурси від імені РП9 (попередньо вигравши відповідні тендери від Єврокомісії на певні напрямки)

Б) продовження традицій попередніх РП (кошти йдуть на університети / інститути, а не на державу)

FP9 funding scenarios

3. «Зміщення» до фінансування принципово інших областей

(як географічне зміщення, так і зміщення щодо вибору напрямків для фінансування)

4. Створення принципово нових програм у рамках РП9

(приклад: «Нова політика що розвитку сільського господарства»)

Основний виклик: як дати фінансування пропозиціям, які за технічними причинами були відхилені (є певний «відсоток успішності»), але які могли нести у собі нові цікаві ідеї

FP9: challenges for Ukrainian scientific community

«Дорожня карта»

1. Чітко окреслити свої можливості.
2. Вказати переваги своїх наукових груп перед європейськими партнерами / інституціями.
3. Знайти місце для своїх ідей серед основних проблем, які окреслюються у РП-9.
4. Продемонструвати реальний «вихід» своїх майбутніх досліджень для бізнесу.
5. Об'єднати свої зусилля із партнерами з інших українських колективів для створення більш сильної власної ідеї у порівнянні із потенційними конкурентами.
6. Об'єднати свої зусилля із партнерами з інших українських колективів з метою підсилення потенційних можливостей дослідницької групи: сучасне обладнання, професійний колектив з досвідом участі у проектах, отримані прикладні результати.

FP9: challenges for Ukrainian scientific community

«Дорожня карта»

Результати:

- Сформований «банк пропозицій» для представників Програмних комітетів та експертів від України.
- Створення Робочих груп на базі тематичних НКП з метою збору таких даних, їх обговорення та узагальнення.
- Висування кінцевих ідей / пропозицій представниками Програмних комітетів та експертами від України як тематик майбутніх конкурсів РП-9.

Контакти

NCP –

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

НКП –

Нанотехнології, сучасні матеріали, передові промислові виробництва та
біотехнології

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