

Public evaluation report

Results of open call EURIZON Fellowship Program: “Remote Research Grants for Ukrainian Researchers” for recipients of financial support

Project **acronym**: EURIZON

Project **grant agreement number**: 871072

Project **full name**: European network for developing new horizons for RIs

Project EURIZON, funded through the European Union's Horizon 2020 research and innovation programme under grant agreement No 871072, launched the open call EURIZON Fellowship Program: "Remote Research Grants for Ukrainian Researchers," aimed at providing financial support to vulnerable researchers in Ukraine. Initially, the budget was set at €1.4 million.

The call was launched on April 1st and closed on May 8th, 2023, with an overwhelming response of 786 proposals received.

Recognizing the exceptionally high number of proposals received and the importance of continuous support for Ukrainian researchers, the Commission has increased the initial budget to €4.5 million.

The evaluation and selection have been completed. All proposers have been informed about the evaluation results of their proposals via email.

Thanks to the substantial budget increase, a total of 65 research projects supporting 324 Ukrainian scientists will benefit from the Fellowship Programme.

Call information

The call was published on project EURIZON's website (URL <https://www.eurizon-project.eu/news/calls/>) and on the Horizon 2020 Participants Portal (URL <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/competitive-calls-cs/3061>) on 1 Apr 2023, 12:00 CET.

Full call details were published at: <https://indico.desy.de/event/38700/>

Response to the call in detail

	Number of Proposals	Funding requested
Proposals received	786	
Eligible proposals	730	49,288,200€ (estimation)
Selected proposals	65	4,516,200€

List of awarded research projects per Thematic Area

Research thematic area	ID	Title of the research project	Affiliation Institute of Principal Investigator	Ukrainian region	Number of team members supported (including the PI)	Duration of the project in months	Budget of the research project*
1-DATA, COMPUTING & DIGITAL RIS	213	Investigating the use of AI methods for diagnostics and prognosis of chronic musculoskeletal disorders	Kyiv National University of Construction and Architecture	Kyiv region	5	6	EUR 39,000.00
1-DATA, COMPUTING & DIGITAL RIS	278	Research and development of Ukrainian ground network of navigational aids for increasing the safety of civil aviation	National Aviation University	Kyiv region	3	12	EUR 46,800.00
1-DATA, COMPUTING & DIGITAL RIS	401	Application of Langevin Dynamics with Simulated Annealing for Nonconvex Stochastic Optimization in Machine Learning	National Science Center "Kharkiv Institute of Physics and Technology"	Kharkiv region	3	12	EUR 46,800.00
1-DATA, COMPUTING & DIGITAL RIS	522	Stimulating the development of the de-occupied territories through investment and innovation instruments within the framework of the European Union	Kherson State University	Kherson region	4	12	EUR 62,400.00
1-DATA, COMPUTING & DIGITAL RIS	747	Computational Intelligence in Predictive Modelling of Mechanical Responses of Human Blood Vessels Affected by Atherosclerotic Plaque	National Technical University Kharkiv Polytechnic Institute	Kharkiv region	5	12	EUR 78,000.00
2-ENERGY	27	Heat pumps: the experience of Poland and projection of expansion in Ukraine	Institute for Economics and Forecasting, UNAS	Kyiv region	4	6	EUR 31,200.00
2-ENERGY	29	Thermal management for next-generation high-performance microelectronics with two-phase flows of complex fluids	Odesa National University of Technology	Odesa region	5	12	EUR 78,000.00
2-ENERGY	41	Increasing the Energy Efficiency and Safety of Plastics Thermal Processing using Numerical Simulation	National Aerospace University "Kharkiv Aviation Institute"	Kharkiv region	5	12	EUR 78,000.00
2-ENERGY	82	Heat transport and Interfacial energy dissipation in nanostructures	V.N.Karazin Kharkiv National University	Kharkiv region	5	12	EUR 78,000.00
2-ENERGY	483	Catalytic pyrolysis of lignin model compounds and 2G biomass for biofuels, sustainable chemicals, and decarbonization	Chuiko Institute of Surface Chemistry, National Academy of Sciences of Ukraine	Kyiv region	5	12	EUR 78,000.00
2-ENERGY	538	INVESTIGATION OF HIGHLY EFFICIENT, COST EFFECTIVE WAVE-ENERGY CONVERSION SYSTEMS	National Technical University "Kharkiv Polytechnic Institute"	Kharkiv region	3	6	EUR 23,400.00
2-ENERGY	579	Increasing Energy Efficiency and Improving the Electromagnetic Compatibility of On-grid Power Converters of Solar Energy Systems	Ukrainian State University of Railway Transport	Kharkiv region	5	12	EUR 78,000.00

3- ENVIRONMENT	137	Influence of exogenous 24-epibrassinolide and brassinosteroid-induced endogenous phytohormones content on plant resistance to pathogens	V. P. Kukhar Institute of Bioorganic Chemistry and Petrochemistry of the National Academy of Sciences of Ukraine	Kyiv region	3	12	EUR 46,800.00
3- ENVIRONMENT	314	Microalgal culture collections ACKU and IBASU-A: a platform for Ukrainian-European partnerships on biodiversity conservation and rational nature management	M.G. Kholodny Institute of Botany, National Academy of Sciences of Ukraine	Kyiv region	6	12	EUR 78,000.00
3- ENVIRONMENT	391	Water Resources of Ukraine under future climate	Ukrainian Hydrometeorological Institute	Kyiv region	6	12	EUR 78,000.00
3- ENVIRONMENT	459	Exploring the Role of Endophytic Bacteria in Boosting the Adaptability of Antarctic Vascular Plants	State Institution National Antarctic Scientific Center and Kyiv Academic University	Kyiv region	5	12	EUR 78,000.00
3- ENVIRONMENT	508	Ukrainian-Lithuanian-Polish-Slovak synergy for characterization of biopolymer materials used in biosensor analysis of pollution of water resources	Drohobych Ivan Franko State Pedagogical University	Lviv region	5	12	EUR 78,000.00
3- ENVIRONMENT	542	Unraveling the diversity of polyploid wild <i>Camelina</i> germplasm for biofuel crop improvement	Institute of Food Biotechnology and Genomics, National Academy of Sciences of Ukraine	Kyiv region	5	12	EUR 78,000.00
3- ENVIRONMENT	584	Dietary choice, metabolic rate, and survival of bank voles (<i>Myodes glareolus</i>) inhabiting an environment contaminated by radionuclides: an experiment in the Chornobyl Exclusion Zone	Institute for Nuclear Research of the National Academy of Sciences of Ukraine	Kyiv region	5	12	EUR 78,000.00
3- ENVIRONMENT	608	Between two poles: Phylogeny and phylogeography of selected species of marine and freshwater leeches (Hirudinea)	V. N. Karazin Kharkiv National University	Kharkiv region	6	12	EUR 78,000.00
3- ENVIRONMENT	660	SMART FERTILISATION FOR ENERGY PLANTATION	Institute of Bioenergy Crops and Sugar Beet National Academy of Agrarian Sciences of Ukraine (IBCISB)	Kyiv region	4	12	EUR 62,400.00
3- ENVIRONMENT	713	Mapping forest disturbances in National Nature Park "Skole Beskids" using satellite remote sensing methods	Ukrainian National Forestry University	Lviv region	5	12	EUR 78,000.00

3-ENVIRONMENT	851	Bat research stronghold: Investigating the Effects of Landscape Heterogeneity, Phenology, and the Impacts of Wartime on Bat Populations in Ukraine	National Scientific Center "Institute of Experimental and Clinical Veterinary Medicine"; H.S. Skovoroda Kharkiv National Pedagogical University and Ukrainian Bat Rehabilitation Center, Ukrainian Independent Ecology Institute	Kharkiv region	5	6	EUR 39,000.00
3-ENVIRONMENT	865	Reptile and amphibian genomics to unravel evolution and biodiversity	V. N. Karazin Kharkiv National University	Kharkiv region	3	12	EUR 46,800.00
4-HEALTH & FOOD	138	Artificial Intelligence in Medicine: Small Data Approach	Lviv Polytechnic National University	Lviv region	7	12	EUR 78,000.00
4-HEALTH & FOOD	268	Deciphering molecular mechanisms of Metformin effect on medial preoptic area and reproductive disfunction in experimental model of type 2 diabetes	Bogomolets National Medical University	Kyiv region	5	12	EUR 78,000.00
4-HEALTH & FOOD	281	Systemic analysis of short-lived organisms to define new approaches for lifespan and healthspan extension	Vasyl Stefanyk Precarpathian National University	Ivano-Frankivsk region	6	12	EUR 78,000.00
4-HEALTH & FOOD	445	Comparative study of Latvian and Ukrainian breeds of sheep by SNP markers involved in the formation of economically useful traits	Institute of Animal Biology of the National Academy of Agrarian Sciences of Ukraine	Lviv region	7	12	EUR 78,000.00
4-HEALTH & FOOD	456	Ramoplanin antibiotic: new perspectives studying the genetics and genomics of Actinoplanes ramoplaninifer ATCC 33075	Ivan Franko National University of Lviv, Department of Genetics and Biotechnology	Lviv region	5	12	EUR 78,000.00
4-HEALTH & FOOD	657	Biomedical properties and biosafety of MXenes, novel graphene-like 2D nanomaterials.	Medical Institute of Sumy State University	Sumy region	5	12	EUR 78,000.00
4-HEALTH & FOOD	805	Redox-directed landomycin antibiotics for treatment of drug-resistant tumors in vivo	Institute of Cell Biology, National Academy of Sciences of Ukraine	Lviv region	5	12	EUR 78,000.00
4-HEALTH & FOOD	844	Biomolecular interactions of amyloids: modulating effects of polyphenols	V.N. Karazin Kharkiv National University	Kharkiv region	3	12	EUR 46,800.00
5-PHYSICAL SCIENCES & ENGINEERING	37	Wire arc additive manufacturing of the high entropy alloys bulk billets using innovative metal powder-cored wire filament	PATON ELECTRIC WELDING INSTITUTE, The National Academy of Sciences of Ukraine	Kyiv region	5	12	EUR 78,000.00
5-PHYSICAL SCIENCES & ENGINEERING	38	Proton central diffractive dissociation at the Large Hadron Collider (LHC)	Bogolyubov Institute for Theoretical Physics of the National Academy of Sciences of Ukraine	Kyiv region	5	12	EUR 78,000.00
5-PHYSICAL SCIENCES & ENGINEERING	70	Dosimetric material based on doped lithium triborate glass and pyroceramics for medical applications in radiation therapy	O.G. Vlokh Institute of Physical Optics of the Ministry of Education and Science of Ukraine	Lviv region	6	12	EUR 78,000.00

5-PHYSICAL SCIENCES & ENGINEERING	87	Enhanced chiral sensing with plasmonic hyperbolic metasurfaces	V. N. Karazin Kharkiv National University	Kharkiv region	6	12	EUR 78,000.00
5-PHYSICAL SCIENCES & ENGINEERING	118	Membrane-active photoswitchable peptides, derivatives of gramicidin S: neuromodulation of synaptic transmission, neurotoxicity assessment and molecular mechanism of action studies	Institute of High Technologies of Taras Shevchenko National University of Kyiv	Kyiv region	8	12	EUR 78,000.00
5-PHYSICAL SCIENCES & ENGINEERING	141	Investigation of thermal influence on errors in orientation systems used in aerospace engineering	National Technical University "Kharkiv Polytechnical Institute"	Kharkiv region	5	12	EUR 78,000.00
5-PHYSICAL SCIENCES & ENGINEERING	145	Fast scintillators with high light yield based on halide perovskite crystals and nanoparticles	Ivan Franko National University of Lviv	Lviv region	6	12	EUR 78,000.00
5-PHYSICAL SCIENCES & ENGINEERING	154	New hybrid perovskites as multifunctional materials	Taras Shevchenko National University of Kyiv	Kyiv region	5	12	EUR 78,000.00
5-PHYSICAL SCIENCES & ENGINEERING	209	Recovery of multicomponent oxide single crystal production by the Czochralski method for laser applications in Institute for Single Crystals, NAS of Ukraine	Institute for Single Crystals, NAS of Ukraine	Kharkiv region	7	12	EUR 78,000.00
5-PHYSICAL SCIENCES & ENGINEERING	223	Frustrated quantum spin models to explain the properties of magnets over wide temperature range	Institute for Condensed Matter Physics, National Academy of Sciences of Ukraine	Lviv region	4	12	EUR 62,400.00
5-PHYSICAL SCIENCES & ENGINEERING	238	"Growth and investigations of mixed halide perovskites based on CsPbBr ₃ "	Chernivtsi National University	Chernivtsi region	7	12	EUR 78,000.00
5-PHYSICAL SCIENCES & ENGINEERING	246	Study of the stabilizing effect of p-elements on the ternary intermetallics formation and their properties in systems containing rare-earth and transition metals	Ivan Franko National University of Lviv	Lviv region	4	12	EUR 62,400.00
5-PHYSICAL SCIENCES & ENGINEERING	252	Improving the Radiation Hardness of Plastic Scintillators for High Energy Physics Experiments	Institute for Scintillation Materials, National Academy of Sciences of Ukraine	Kharkiv region	6	12	EUR 78,000.00
5-PHYSICAL SCIENCES & ENGINEERING	256	Interphases in nanocomposites promising for the development of photo(mechano)luminescent light-emitting devices	Taras Shevchenko National University of Kyiv	Kyiv region	4	12	EUR 62,400.00
5-PHYSICAL SCIENCES & ENGINEERING	309	Investigation of the potentially bi-functional magneto-luminescent Dy(III) complexes based on carbacylamidophosphates	Taras Shevchenko National University of Kyiv	Kyiv region	5	12	EUR 78,000.00
5-PHYSICAL SCIENCES & ENGINEERING	327	Directed Transport of Periodically Driven Suspended Ferromagnetic Nanoparticles	The Institute of Applied Physics, National Academy of Sciences of Ukraine, Sumy	Sumy region	4	12	EUR 62,400.00

5-PHYSICAL SCIENCES & ENGINEERING	329	Development of miniaturized test technology for nuclear fusion and aerospace materials.	O.Ya Usikov Institute for Radiophysics and Electronics of National Academy of Sciences of Ukraine	Kharkiv region	2	12	EUR 31,200.00
5-PHYSICAL SCIENCES & ENGINEERING	353	Monodisperse systems in the production of foodstuff and compound (combined) fertilizers	Sumy State University	Sumy region	5	12	EUR 78,000.00
5-PHYSICAL SCIENCES & ENGINEERING	368	Combined technologies of metallic surface modification by micro-arc oxidation and boring for critical machine parts with high contact loads	National Technical University "Kharkiv Polytechnic Institute"	Kharkiv region	7	12	EUR 78,000.00
5-PHYSICAL SCIENCES & ENGINEERING	425	Creation of ceramic coatings for surface modification of structural materials by the cathode-type vacuum-arc discharge, which generates highly ionized plasma flows.	V.N. Karazin Kharkiv National University	Kharkiv region	6	12	EUR 78,000.00
5-PHYSICAL SCIENCES & ENGINEERING	437	RMS beam and background online monitoring system in the LHCb experimental environment	Institute for Nuclear Research of the National Academy of Sciences of Ukraine (KINR)	Kyiv region	5	12	EUR 78,000.00
5-PHYSICAL SCIENCES & ENGINEERING	578	Enhanced fibrous composite concrete with improved radiation shielding properties for energy applications and waste management (ECOSCREEN)	Frantsevich Institute for Problems of Materials Science, of the National Academy of Sciences of Ukraine	Kyiv region	6	12	EUR 78,000.00
5-PHYSICAL SCIENCES & ENGINEERING	832	Excitonic Nanosystems with Plasmon-Enhanced Luminescence	Institute for Scintillation Materials of National Academy of Sciences of Ukraine	Kharkiv region	5	12	EUR 78,000.00
5-PHYSICAL SCIENCES & ENGINEERING	848	Evolutional properties of galaxies: classification by morphological features, environmental influence, multiwavelength properties of isolated galaxies with active nuclei	Main Astronomical Observatory of the National Academy of Sciences of Ukraine	Kyiv region	5	12	EUR 78,000.00
6-SOCIAL & CULTURAL INNOVATION	164	The Holocaust in Ukraine in the oral history sources of the Yahad-In Unum institution in France	Rivne State University of Humanities	Rivne region	4	12	EUR 62,400.00
6-SOCIAL & CULTURAL INNOVATION	219	Ukraine's Foreign Financing Needs and the EU's Role in Restoring External Sustainability and Long-Term Growth of the Ukrainian Economy	SI "Institute for economics and forecasting of the National Academy of Sciences of Ukraine"	Kyiv region	5	12	EUR 78,000.00
6-SOCIAL & CULTURAL INNOVATION	234	Ukraine and Central Powers in 1918: cooperation and confrontation in the Black Sea Region	Odesa Mechnikov National University	Odesa region	3	12	EUR 46,800.00
6-SOCIAL & CULTURAL INNOVATION	492	"Developing new approaches to public policy formation and realisation in the context of Ukraine's recovery - Ukraine's recovery project - URP".	Odesa Polytechnic National University Institute of Public Service and Administration	Odesa region	4	12	EUR 62,400.00

6-SOCIAL & CULTURAL INNOVATION	721	Improving professional communication on biosecurity and biohazard management in medicine, pharmacy and biotechnology	National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute" (NTUU KPI)	Kyiv region	8	12	EUR 78,000.00
6-SOCIAL & CULTURAL INNOVATION	730	Socio-economic impact of the COVID-19 pandemic and Russia's full-scale invasion on the development of EU and Ukraine: fostering research collaborations through establishing of a digital knowledge exchange platform	Odesa I. I. Mechnikov National University	Odesa region	4	12	EUR 62,400.00
6-SOCIAL & CULTURAL INNOVATION	806	Protection of Human Rights and Fundamental Freedoms in Time of War in Ukraine and Limits of Derogation in Time of Emergency	Yaroslav Mudryi National Law University	Kharkiv region	5	12	EUR 78,000.00
6-SOCIAL & CULTURAL INNOVATION	818	Place names of Ukraine and Poland as manifestation of cultural heritage of both peoples	Yuriy Fedkovych Chernivtsi National University	Chernivtsi region	5	12	EUR 78,000.00
6-SOCIAL & CULTURAL INNOVATION	829	Structural transformation of the economy of the Polish-Ukrainian borderlands as a response to common challenges of security, green, digital and intellectual transition	Lutsk National Technical University	Volynsk region	5	12	EUR 78,000.00
324							EUR 4,516,200.00

*the budget of the projects depends on their duration and on the number of team members.