



Romania-Ukraine
ENI-CROSS BORDER COOPERATION

UA-RO GENOME - Partnership for Genomic Research in Ukraine and Romania

RESEARCH

2SOFT/1.2/48

Implementation area:

Romania: Maramures and Satu Mare counties

Ukraine: Zakarpattia region



Budget (EUR):

269,460.00 – ENI grant

30,500.00 - regional/ local contribution (co-financing)



FINANȚAT DE UNIUNEA EUROPEANĂ



ROMANIA-UKRAINE ENI-CROSS BORDER COOPERATION

PARTNERSHIP FOR GENOMIC RESEARCH IN UKRAINE AND ROMANIA
2SOFT/1.2/48



SU "UZHGOROD NATIONAL UNIVERSITY"
JOINT OPERATIONAL PROGRAMME ROMANIA-UKRAINE 2014-2020

The partnership:

Lead Partner

Uzhhorod National University, Zakarpattia region, Ukraine, education institution

Partners:

- "VASILE GOLDIȘ" University Foundation of Arad, Branch of Satu Mare, Romania, education institution

The purpose is:

- To create a publicly available catalog of genome variation in the region, to identify common and rare variation in the local genomes, to detect and to describe local genome-wide population substructure (i.e. create maps of variation, recombination, ancestry and admixture).;
- To make our 300 genomes database accessible to the researchers and health professionals, as well as the members of general public.
- To train a generation of young local scientist capable of using our genome data, modern sequencing technology and bioinformatics tools in the local context.

Project outcomes

2 institutions using programme support for cooperation in R&D and support of innovation;

1 published reference database of genome variation in the Eastern Carpathians issued after collecting, extracting and sequencing 300 anonymous consented samples representing population;

2 bioinformatics tools for mutation identification, and cohort selection;

60 research personnel trained for collection, processing and extraction of DNA as part of the research objective;

1 curriculum and didactic materials for the joint workshop in Genomics and Bioinformatics at Satu Mare.

2 joint workshops in Genomics and Bioinformatics at Satu Mare.

Target groups and final beneficiaries

300 persons (UA and RO) which will have the entire genome analyzed, 23 researchers and technical personnel, 168 students, researchers have participated to the project activities.

All residents of cross-border regions and citizens of both countries, Romania and Ukraine, in general **will benefit from the project results on the long term.**



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