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SELF-SUFFICIENCY CONCEPT FOR THE RESOURCE CENTRES ESTABLISHED

Serhii Maksymiuk

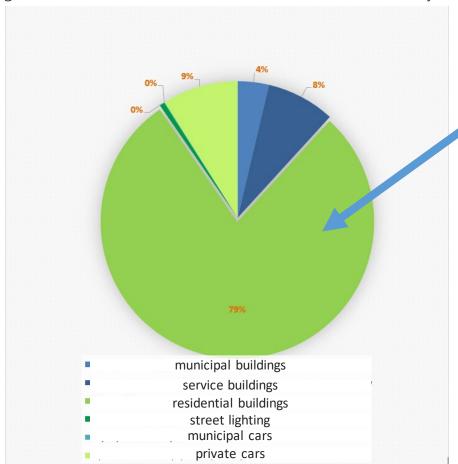
20/04/2021







Diagram of carbon dioxide emissions in Ivano-Frankivsk by sectors



A B C D E

Residential buildings have the biggest impact

are the most influential for decrease carbon emissions in the city

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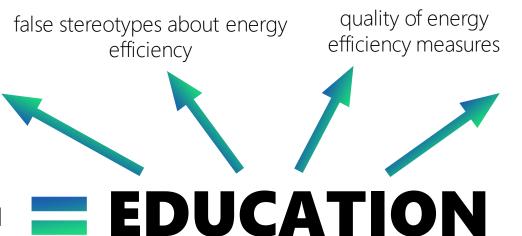
Energy efficiency measures



residential buildings



what are the first steps of city residents for energy efficiency of their buildings



and so on

Improving the energy efficiency of residential buildings





The **residents make** their **city** energy-efficient.







If residents have energy-efficient consciousness

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SCIENCE CITY



The Science City «New Energy», today in our city is that place, where we are growing energy-efficient consciousness of the population in our region. It is the point of attraction for sustainable development of Ivano-Frankivsk The Resource center is a logical continuation of the existing Science City.



2014-2020



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THE GOAL of the Resource centers

is develop and support innovative cooperation for climate change mitigation within the region to ensure sustainable development of territories through organization of new educational and research environment in energy efficiency leading to climate change mitigation by the end of 2021







Resource centers





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Work of the Resource center

The project is generally aimed at multi-level promotion of simple and sophisticated measures to increase energy efficiency and energy saving. The proposed action is an innovative education-oriented project which aims at energy awareness of all of the energy users attending with a strong attention on involving them into research sphere, aiming to decrease influence on climate, to obtain relevant changes in the behaviors of energy-system users and enable sustainable use of energy.

This center will be an innovative platform for individuals to research and study EE technology, develop own solutions of climate problems with the help of modern equipment and software. Consumers, who will participate in work of resource center will get information about decreasing energy consumption tips, that they can use in their every-day life.

In the frame of this activity we will focus on Ivano-Frankivsk target territory to 1,000 persons reached by workshops, seminars, educational courses at cross-border region in the field of energy-efficiency and climate change mitigation through innovative methods of learning. We will organize of tailored seminars, excursions for school kids and students (in perspective adults and 60+) in resource center. This center will be implemented to deliver the key project outputs in terms of advertising of EE, RES, waste management etc.







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Work of the Resource center

Opening of resource center will promote innovative education for children and youth in energy sphere, possibilities of providing research on modern equipment and software on EE sphere. It will be a center for promotion and involvement of prospective scholars and students to science, that in future will realize big potential of the Ivano-Frankivsk region to became sustainable developing region. Opening of resource center in Ivano-Frankivsk will improved the activities of Scientific city "New Energy" with support of EMA in the field of innovative promotion education for children and youth in energy sphere, possibilities of providing research on modern equipment and software on EE and RES (Innovative methods of Promotion of Science).

Conducting of joint activities (trainings) allows to strengthen the cooperation between resource center and local organizations for joint creation and implementation of successful energy projects, the launch of start-ups and ideas and dissemination of them to a larger contact. Possibility of engagement different target groups will spread more information and will also develop cooperation. Demonstration of equipment possibilities, which would be based in the Center, will wake interest of individuals in using new technologies and learning tools.

For each region will be presented by organizers list of EE events and installations (based on energy needs and territorial possibilities of implementation of RES) will be presented by organizers and representatives of local distributors of RES will be consulted regarding design issues.







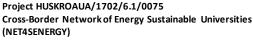
Kids and the Future







Our plans for kids are always huge!





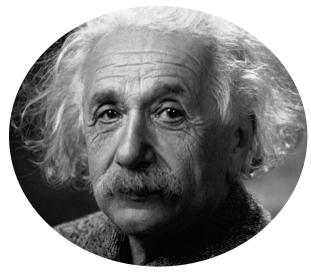






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One Thing They Have in Common







ENVIRONMENT that contributed to DEVELOPMENT!

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PARTNERSHIP WITHOUT BORDERS





Who we are?





Our Mission

fall in love with the science of children and adults



OUR VALUES

Interesting Science The intelligence of the child Available technologies Interactive education Creativity Sustainable development of society



OUR MESSAGE

Think! Explore! Act!



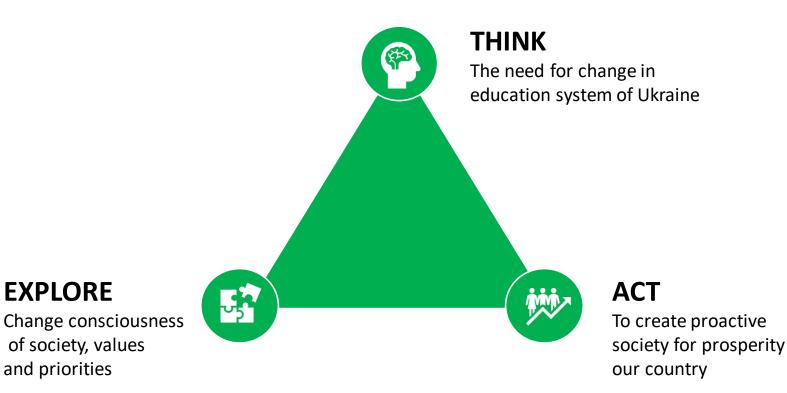


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WHY ARE WE?



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EXPLORE

and priorities

of society, values







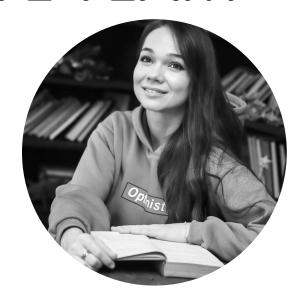




PROACTIVE TEAM









Maksym Karpash

Co-founder of the Science City, Doctor of Technical Sciences, Professor, Vice-Rector of IENTUOG

Andrii Yavorskyi

Operations Director of the Science City, PhD, Associate Professor IFNTUOG

Iryna Darvai

Co-founder of the Science City, PhD, Researcher, Ivano-FrankivskStandardmetrology

Liubomyr Zhovtulia

Technical Director of the Science City, PhD, Associate Professor IFNTOUG

Our team – it`s 30 people

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PROJECT HISTORY



START

September 21,
opening of the Science
City, presentation of the
exposition of the
Scientific Museum for
visitors



2 NEW SHOWS

Two new scientific chemical shows have been created for the birthday of the Science City



IDEA

The idea was voiced at the presentation of the SEAP of Ivano-Frankivsk until 2020



TESLA ENERGY SHOW

Creation of the first high voltage scientific show in Western Ukraine



NEW EXPO

Presentation of new exhibits in the Scientific Museum.

13 educational programs for children have been created in our School



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ALL THE BEST TO THE CHILDREN

Science centers that inspired us

Kolkata (India)

Malmo (Sweden)

Manchester and Birmingham (United Kingdom)

Krakow and Warsaw (Poland)

Tallinn (Estonia)

Granada, Valencia (Spain)

Arlington (United States)

Samso (Denmark)



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NEW LIFE

We make new exhibits for the Science Museum and create new plans for developing Science City



???

We may not know what's next, but we believe it will be incredible because we have a strategy and fantastic plans



PANDEMIA

Start of the Ukraine-Romania cross-border project. The science City will be established in Botosani

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(NET4SENERGY)



???

We may not know what's next, but we believe it will be incredible because we have a strategy and fantastic plans



???

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INTERACTIVE SCIENTIFIC MUSEUM

SCIENTIFIC THEATER

TESLA ENERGY SHOW Chemical fire-show «ALLхімія» Ultra-Low Temperature Cryo-Show "Sixth Element» Oxygen show "OXYshow"

SCHOOL, **LECTURER** and TRAINING CENTER

SPACE FOR EVENTS

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Romania

Ukraine

Hungary-Slovakia-Romania-Ukraine

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WE ARE A PARTNER OF SCHOOLS



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OUR RESULTS







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beneficiaries

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Lead beneficiary: Ivano-Fra Technical University of Oil Project coordinator: Prof. .

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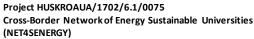
Science Camps



















Open days









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pik!







Branch of the #girlSTEM project





Проєкт Енергетичної Безпеки





23 червня

МІЖНАРОДНИЙ ДЕНЬ ЖІНОК В ІНЖЕНЕРІЇ

Долучайтеся до святкування!







We attract and interest girls in technical specialties and professions 2020-2021







STEAM master classes







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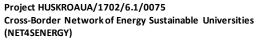


Hackathons





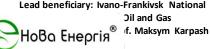




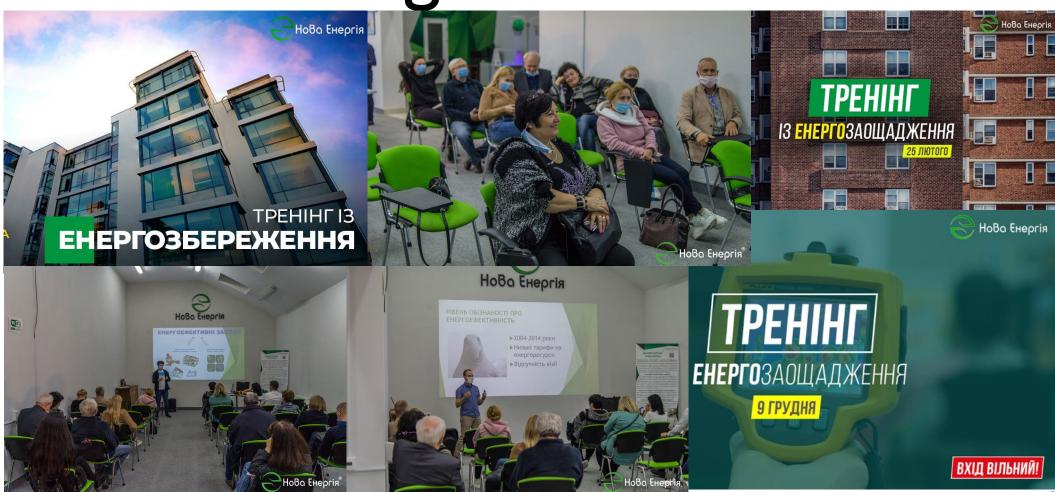








Trainings for adults



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Open-air science shows







Days of sustainable energy Porto Franko Festival Days of professions in Ukraine Sport Fest Street music day and more...



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Thanks for your attention!

