

Date: Friday **11th of September 2020**

Time range: **11⁰⁰-13⁰⁰**

R.E.E. HUB Project Closure Event

Presentation and perspectives of the Regional Energy Efficiency Hubs

Speaker:

Dr. Gazmend Zeneli

Barleti Institute for Research and
Development



Relation:

**Establishment of Energy Efficiency Hub in
Tirana: Long Story Short**

PROJECT SHORT DESCRIPTION

The **MAIN GOAL** of REEHUB is to **INCREASE ENERGY EFFICIENCY OF THE PUBLIC BUILDINGS** inside the Programme area, through a network of hubs, enabling the training of building managers on energy-efficiency measures. The ambitious results is to shift from old buildings **TO LOW-ENERGY OR ZERO-ENERGY BUILDINGS.**



BARLETI INSTITUTE FOR RESEARCH AND DEVELOPMENT (BIRD) CONTRIBUTION

- COMMUNICATION** - raise the awareness about the outcomes of the project and the developments that have been achieved within the project.
- HUBS SET UP AND OPENING** to public Administration.
- Report** on REEHUB **audit methodology**
- Assessment study** of energy efficiency hub in Tirana.
- Workshop** for improving capacity building of energy efficiency in public buildings
- Public Awareness and Capitalization**
- Road show** for key stakeholders

ESTABLISHMENT OF TIRANA'S E.E.HUB



Type of building: **Public building**

Owner of the building: Republic of Albania, **Ministry of Infrastructure and Energy**

Year of construction: **1980**

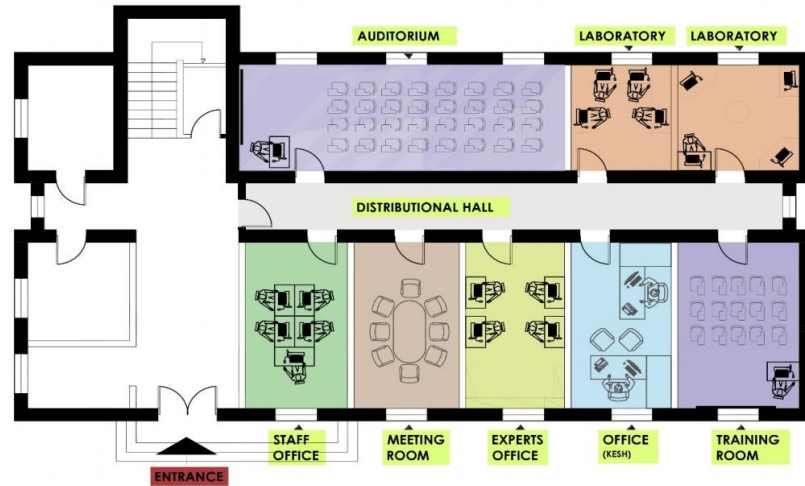
DELIVERY OF TIRANA'S HUB - BEFORE THE PRIMARY INTERVENTIONS



DESCRIPTION : The hub is placed in a consolidated urban area, developed in the communist period, around 1980. The primary use of the urban settlement is for residential use, with linear apartment buildings, in five storey flats.

PRIMARY INTERVENTIONS AT TIRANA'S HUB

GROUND FLOOR / FUNCTIONAL DISTRIBUTION



DESCRIPTION : The work was extended in several stages

- plastering of the internal walls;
- plastering of the external walls;
- electrical works;
- internet network;
- adjustment of existing lighting;;
- painting works;



FIRST MEASUREMENT CAMPAIGN – TIRANA’S HUB



Measurements and verifications at Tirana’s hub and preparation of the Technical Report by Mrs. Patrizia Aversa

BIRD’s expert on Energy Efficiency :

- followed the measurement campaign with Italian expert,
- trained with Italian expert Leonardo Fallucio on Audit Methodology;
- undertook additional measurements at the Hub;
- prepared: **Assessment Study** and a **Report on Energy Audit of Tirana’s Hub**.

OPENING EVENT – TIRANA’S HUB



The opening event was organized on **25th of November 2019** by **MIE - Ministry of Infrastructure and Energy** and **BIRD - Barleti Institute for Research and Development**.

Main thema: Energy demand and energy savings in public buildings challenge for Albania.

Other Issues: the necessity to boost specific initiative related to public buildings, how to promote regional funds for local building EE restoration, the lack of skills and knowledge in public local administration and in designers on how doing in the best and economic way an EE restoration taking into account local climatic factors and technologies.

*In cooperation with all partners of the Interreg IPA
CBC Italy-Albany-Montenegro*

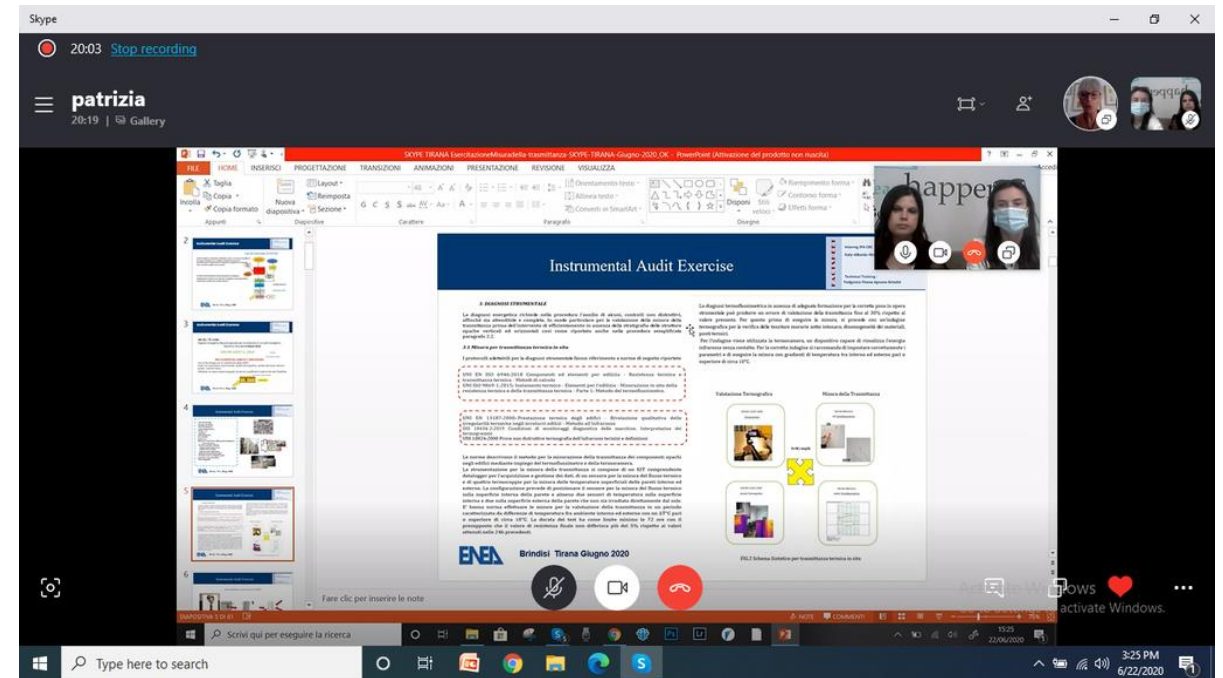


SECOND MEASUREMENT CAMPAIGN- TIRANA'S HUB-IN LOCO MEASUREMENTS



Following the online trainings, additional measurements were done at Tirana's hub building. The aim was to measure the energy transmission of the walls of the building that included the transmission of the interior and exterior walls.

SECOND MEASUREMENT CAMPAIGN- TIRANA'S HUB- ONLINE TRAINING SUPPORT



- Assist in the online training of simplified audit methodology – Online training with Italian expert Leonardo Falluci;
 - Assisted in an online training on instrumental audit exercise- Online training with Italian expert Patrizia Aversa;
 - Prepared the simplified audit methodology – After completing the trainings and additional measurements;
- Assisted in preparing the list of interventions after measurement campaign for improving hubs energy efficiency;

INFRASTRUCTURE WORKS - INCREASING ENERGY EFFICIENCY OF TIRANA'S HUB

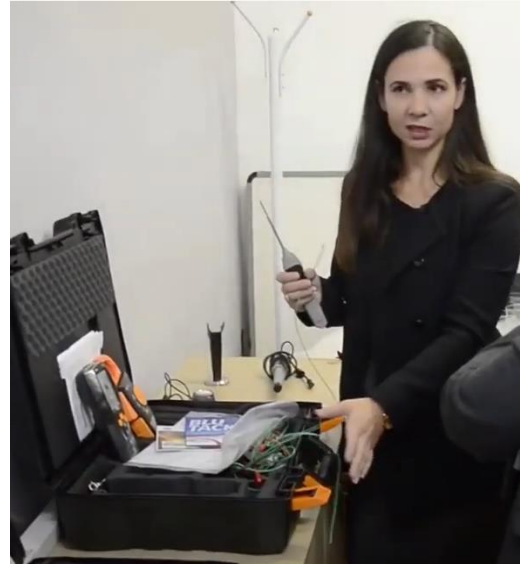


After performing the additional measurements and after assisting the online trainings with Italian experts we were able to draft a preliminary list of works that need to be carried out in order to increase the energy efficiency in the hub of Tirana.

Work is in progress.

WORK IN PROGRESS AT TIRANA'S HUB IN ORDER TO INCREASE ENERGY EFFICIENCY

Our Team



THANK YOU!