



# Technical Assistance to Connectivity in the Western Balkans EuropeAid/13785/IH/SER/MULTI

## Building Stock Study for the Public Sector in the Western Balkans – Scoping Phase

### REGIONAL

#### Partners:

- Ministry of Infrastructure and Energy, Albania
- Ministry of Foreign Trade and Economic Relations, Bosnia & Herzegovina
- Federal Ministry of Energy, Mining and Industry, Bosnia & Herzegovina
- Ministry of Energy and Industry of the Republic of Srpska, Bosnia & Herzegovina
- Ministry of Physical Planning, Bosnia & Herzegovina
- Federal Ministry of Physical Planning, Bosnia & Herzegovina
- Ministry of Economy, North Macedonia
- Kosovo\* Energy Efficiency Agency (KEEA) at the Ministry of Economic Development, Kosovo
- Ministry of Economy, Montenegro
- Ministry of Mining and Energy, Serbia
- KfW Entwicklungsbank, Germany
- Energy Community Secretariat, Austria

#### Budget of Technical Assistance:

- Euro 7,000

#### EU contribution<sup>1</sup>:

- As above (100%)

### Energy



The Project aims to assist the beneficiaries to fulfil their obligation according to Directive 2012/27/EU of the European Parliament and of the Council of 25 October 2012 on energy efficiency (EED) as follows:

- “establishing a publicly available inventory of heated and/or cooled central government building”, Article 4;
- “establishing a long-term strategy for investment in the renovation of residential and commercial buildings with the aim of improving their energy efficiency over the long term”, Article 4; and
- “renovate 1%<sup>2</sup> of the total floor areas of heated or cooled buildings owned and occupied by central government each year to meet national minimum energy performance requirements”, Article 5.

Several studies are ongoing and/or already completed by each of the Western Balkans partners and each of the Western Balkans partners are at different stages of creating a database for the energy related inventory in the public building sector.

#### Results achieved by the TA:

The scoping phase presented an overview of ongoing and Energy Efficiency (EE) programmes in the Western Balkans and revealed the status on data collection in the public building sector by each of the Western Balkans partners as follows:

#### • Albania

A Public Building Inventory already exists, but the reporting format (Energy Management Information System – EMIS or the Monitoring and Verification Platform – MVP) has not been clarified.

#### • Bosnia & Herzegovina

A Public Building Inventory already exists, i.e. the Energy Management Information System (EMIS).

#### • Kosovo

A comprehensive data set of the inventory for both central government buildings as well as for public buildings already exists.

#### • Montenegro

Some data from public entities have already been collected in the on-going process to establish a “Central Information System of Energy Efficiency”. Its objective is to monitor the energy consumption in all public buildings. The data, however, are incomplete and need to be checked / validated.

#### • North Macedonia

An inventory already exists for around 5,000 buildings, but the inventory needs to be updated to include all necessary information / data.

#### • Serbia

A Public Building Inventory is being prepared under the UNDP programme on Introducing Energy Management Information System (EMIS).



<sup>1</sup> EU contribution concerns only TA services for project development.

<sup>2</sup> The 1% renovation target is applicable to the Energy Community Contracting Parties

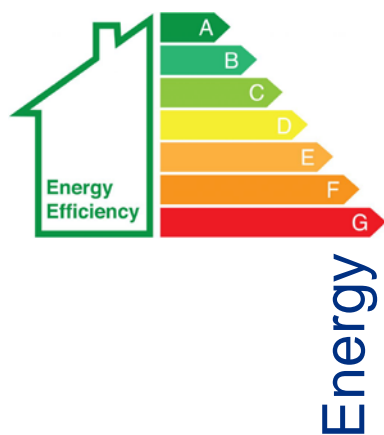
\* This designation is without prejudice to positions on status, and is in line with UNSCR 1244/1999 and the ICJ Opinion on the Kosovo Declaration of independence.

Technical Assistance provided by:

- CONNECTA (Technical Assistance to Connectivity in the Western Balkans)

Key recommendations - further actions:

- Data collection for Central Government Buildings should be completed
- Data collection for all Public Buildings should be completed
- Platform for data collection should be harmonised
- Energy Audits should be initiated and follow EN 16247-2
- Assessment of the overall energy performance of buildings should be according to national and European standards such as ISO 16346:2013 Energy Performance of buildings – Assessment of overall energy performance and / or DIN V 18599 Energy Efficiency of buildings
- Further technical assistance could either be CONNECTA or another TA vehicle, e.g. WBIF IPF.



### Key conclusions:

Having established that most of the Western Balkans partners already have comprehensive data sets for Central Government Buildings as well as for other public buildings the following conclusions regarding further technical assistance were agreed with the beneficiaries:

- **Albania**  
Energy Audits as a pilot sub-project on Public Buildings in Korca area (Korca and Pogradec, being the coldest inhabited cities in Albania);
- **Bosnia & Herzegovina**  
Elaboration of Operational Plans for EE measures for up to 160 Public Buildings at entity level. The Operational Plans should follow building studies (energy audits) of already existing energy audits. If the budget permits it, then Energy Audits of 24 public buildings at state level, which have not yet had an energy audit conducted, should follow.
- **Kosovo**  
Energy Audits, which would be required for funding by the national EE fund, for specific potential investment projects, in connection with development of Municipal Energy Efficiency Action Plans (MEEAPs) and a selection of municipal EE projects.
- **Montenegro**  
MNE has planned to use funds from the ongoing Montenegro Energy Efficiency Project (MEEP) to collect data on public buildings. However, to plan this activity properly and avoid overlap, it would be preferable to have a “pilot” data collection first. The pilot data collection should, for example, cover two entities (state authorities and municipalities) with 50-60 buildings in total.
- **North Macedonia**  
An update of the existing inventory to include all necessary information is required. Hence, further technical assistance should comprise additional data collection and/or data validation.

- **Serbia**

The MoME expressed a high level of interest in technical assistance to elaborate technical documentation, ie tender documents including bills of quantities. The TA should comprise development of the technical part of the Tender Documents for EE measures for specific public buildings.



### Benefits expected due to Technical Assistance:

- Overview of ongoing EE programmes in the Western Balkans;
- Status of collection of data for Central Government Buildings to fulfil requirements according to EED article 4;
- Status of collection of data for a Public Building Inventory in the Western Balkans;
- The possibility of comparing energy consumption for similar buildings within the Western Balkans partners assuming alignment concerning the assessment of the overall energy performance of buildings could be reached, i.e. ISO 16346:2013 *Energy Performance of buildings – Assessment of overall energy performance* and / or DIN V 18599 *Energy Efficiency of buildings*.

### Impacts anticipated:

- A Public Building Inventory, which includes information on energy demand and actual consumption, could increase the Western Balkans partners' capability to focus on specific EE measures in general and/or specific public buildings, where EE measures could provide substantial energy savings