



## 17<sup>th</sup> INTERNATIONAL MULTIDISCIPLINARY SCIENTIFIC GEOCONFERENCE SGEM 2017

### **“Innovative financing of energy efficiency measures for public authorities and other relevant bodies”**



#### **Workshop Minutes**

Mrs. Ivanka Pandelieva-Dimova, Sofia Energy Centre, Bulgaria

The workshop was organized in the framework of SGEM 2017 and took place on 05.07.2017 at Workshop Hall, Congress Centre, Paradise Blue Hotel. The duration of the workshop was 1 hour 30 minutes and the main topics presented and discussed covered different financial models of interest for public authorities or other relevant institutions (eg. national authorities, development centres, research bodies, etc.) based on the experience of H2020 CITYnvest project and on H2020 PDA Rhodoshop project (to start from September 2017). The event was moderated by Ms. Ivanka Pandelieva-Dimova, Project Manager at SEC, and the agenda was as follows:

1. Introduction (Ivanka Pandelieva-Dimova, Sofia Energy Centre - 5 min);
2. Innovative financial models for investments in sustainable energy projects – the experience of H2020 CITYnvest project Ivanka Pandelieva-Dimova, Sofia Energy Centre - 25 min;
3. Case study – application of CITYnvest experience and lessons learnt in a concrete region of Bulgaria– the case of forthcoming Rhodoshop project (Ivanka Pandelieva-Dimova, Sofia Energy Centre - 30 min) ;
4. Discussion

The workshop featured international recognition through the participation of attendants from different countries among which Romania, Poland, Lithuania, Turkey, Russia, and South Africa, who posed questions and participated in the discussion (list of participants with their contact data attached). All attendants have been sent the workshop presentations afterwards.

The following main questions were discussed:

Q1: Is there a list of successful financing models/case studies across Europe to be made available to the audience?

A1: Yes, there is a “Review of local authority innovative large scale retrofit financing and operational models” developed in the framework of CITYinvest (WP2) where a comprehensive overview of 24 successful operational financing models has been made and their functioning principles explained in detail. The respective document (CityInvest\_WP2 Final Report-V1.3) was made available to the attendant together with the workshop presentations.

Q2: What are the financial terms of the projects from CITYinvest pilot region of Rhodospe?

A2: Different but as a rule standard savings of 30-40 % (medium level of ambition) with up to 7 years of payback

Q3: What are the types of measures considered for funding in CITYinvest pilot region of Rhodospe?

A3: In public building sector - building shell renovations (external wall insulation, windows' replacement, roof and basement insulation), heating systems refurbishment, in some cases switch to biomass fueled heating. In street lighting sector – replacement of lamps with LED and refurbishment of poles and other lighting infrastructure. Measures to be implemented also include energy audits, where needed.

Q4: Is smart buildings and/or near-zero energy buildings considered? As a rule these are not the focus but given the future EU strategy in energy efficiency they can also be considered on a case-by-case basis depending on the outcomes of technical and economic feasibility studies.

At the end of the workshop there was a discussion with Mr. Volodymyr Pohrebenny, from of Lvov Polytechnic National University about the possibilities for adaptation of Rhodope financing model to larger scale municipalities like Lvov Municipality and how it can be customized and implemented in a million-sized town. Also contacts with larger scale municipalities like Sofia were requested for exchange of experience and Ms. Pandelieva undertook the task to provide them.