

WP2

REPORT ON EXPERIENCES WITH PREPARATION OF NATIONAL ENERGY PERFORMANCE CERTIFICATE FOR RESIDENTIAL BUILDINGS

Calculation method: draft methodology for Slovenian EPBD regulation 2006, but also EPA-ED was used in paralel. Evaluation of building information: infomation about the envelope can be obtained or collected, it is not possible to enter the flats and collect the information about the heat distribution and generation sistem. After the discussion with housing companies the building managers were identified to be the most appropriate actors to provide the requested data. The building managers interest in participation in BUDI was limited to provision of only few envelope and heating system data (Reliability and accuracy of the data provided may be a problem.)

The building managers and D.H. utilities (where appropriate) as well as the electricity company were invited to provide the energy consupction data. This request was considered as a very huge task (the bid from utilities was far too expensive for BUDI budget). The reason reported was that the energy meters are in some cases individual in some cases common. In case of individual heat and electricity meters the problems araised, like: privacy of energy consupction data, additional work on the side of utilities to be done for collection of data and joining them for the particular building and problem with mixed energy sources in individual heating systems in one building. The comparison between calculated an metered data has been investigated in previously audited residential buildings (Pate, Jesenice), where significant difference (+-30% and more) was identified, mainly due to the user's profile and deviation of the input data. More detailed analysis is in progress for one of the building (Jakopiceva) with online monitored energy data.

It seems that energy certificate as planned (target, acceptable costs) should accept some default data and assumptions and not to go too far in deep analysis of input data.

The energy certificates were compiled, following the samples form CEN-EPBD, examples presented at CA EPBD and national experiences. The official national layout hasn't been prepared yet, therefore so called "BUDI certificate" will be suggested to the responsible body at the ministry for further consideration. The results (indicators and certificates) have been presented and discussed with housing fund of Ljubljana.