







Energy Audits and Energy Efficiency Design

Case study - Kosovo

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General information

- > Total of 149 buildings audited (ministries, faculties, hospitals...)
- > Buildings from 17 municipalities included
- > Most buildings in Prishtina Municipality (55)
- > Buildings ranging from 70 m² to 20.460 m²
- Various construction periods (from 1893 to 2009)
- > Total EE investment estimated to more than 22 mil. EUR





Typical EE measures identified

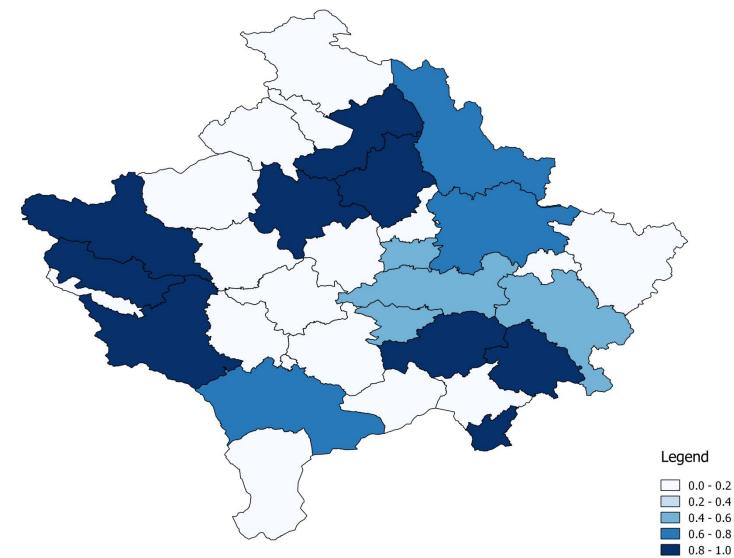
- > Wall renovation
- > Roof renovation
- > Windows and doors replacement
- > Fuel switch
- > Heating system improvement
- > Lighting renovation
- > Solar thermal

- > All figures shown in percentages:
 - > number of buildings where the measure is applied divided by total number of buildings





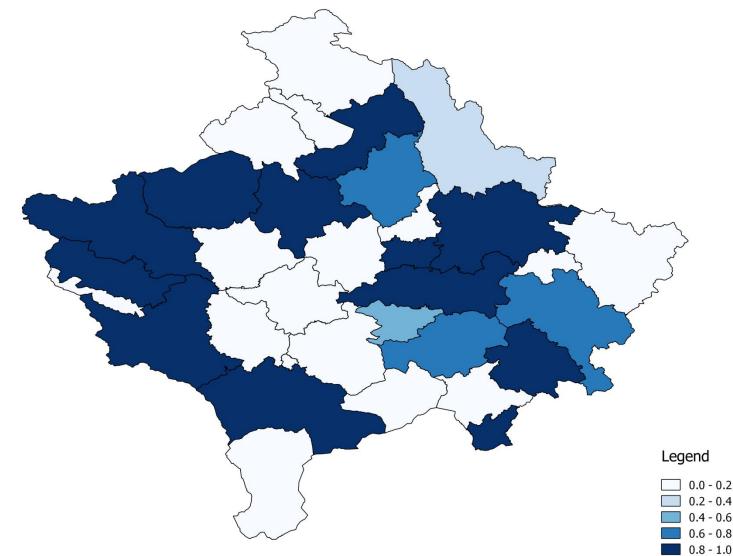
Typical EE measures identified - wall renovation







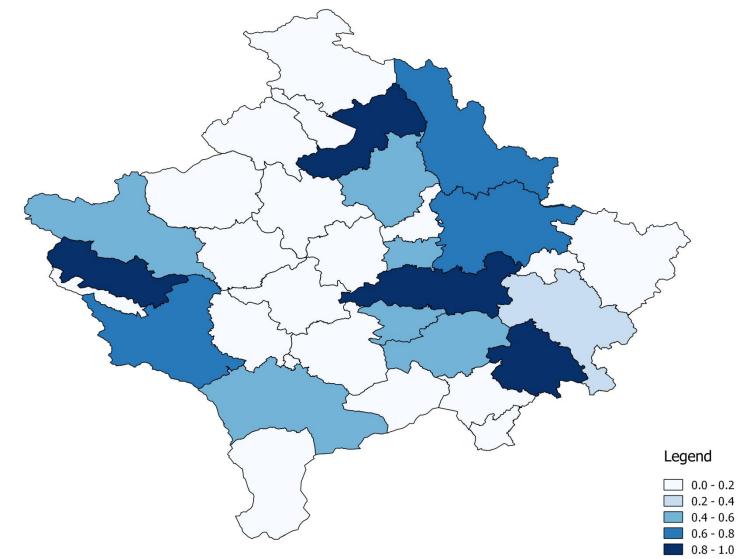
Typical EE measures identified - roof renovation







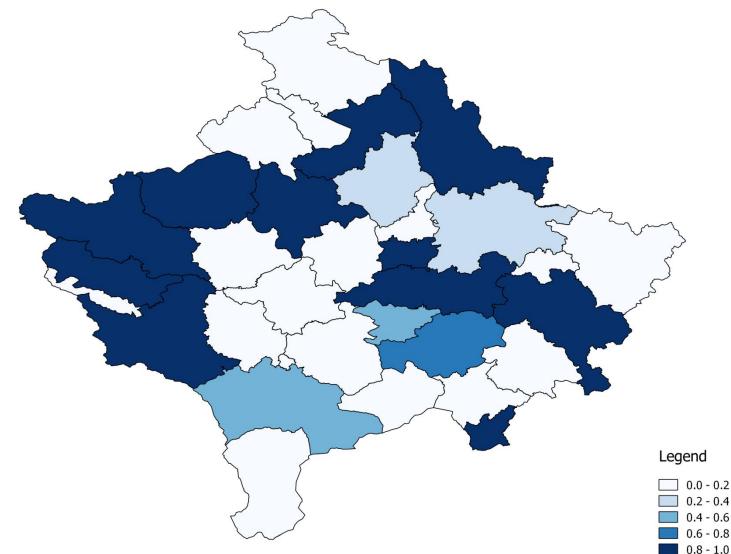
Typical EE measures identified - windows renovation







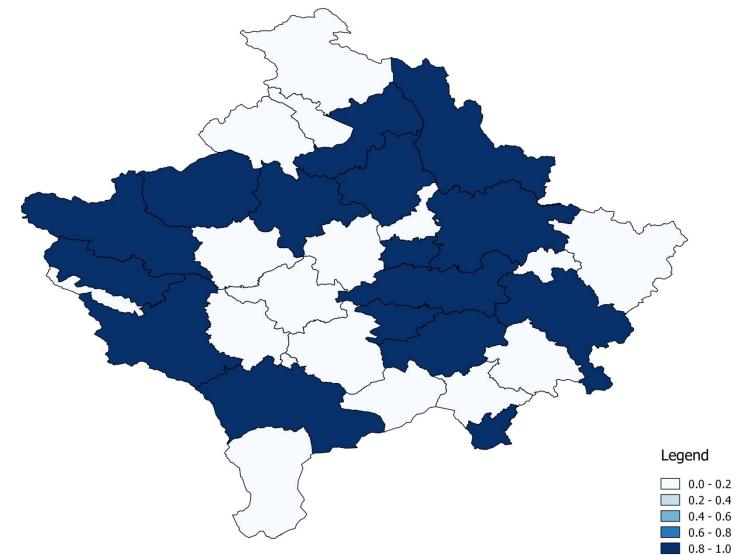
Typical EE measures identified - fuel switch







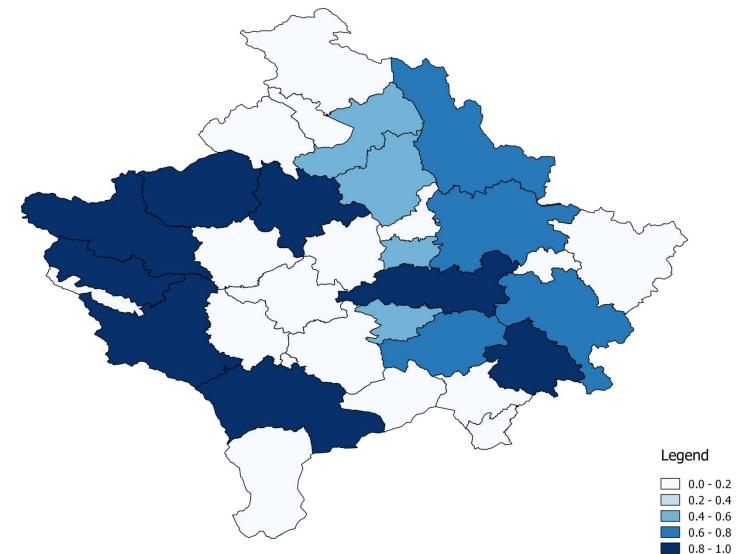
Typical EE measures identified - heating system







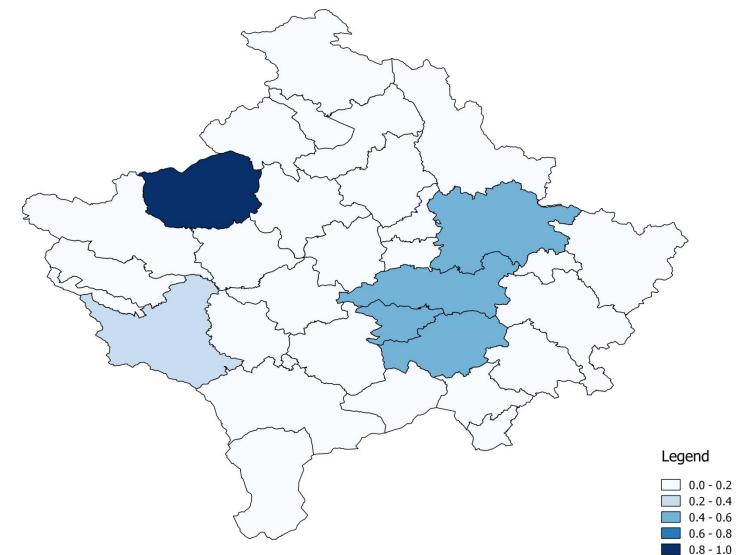
Typical EE measures identified - lighting system







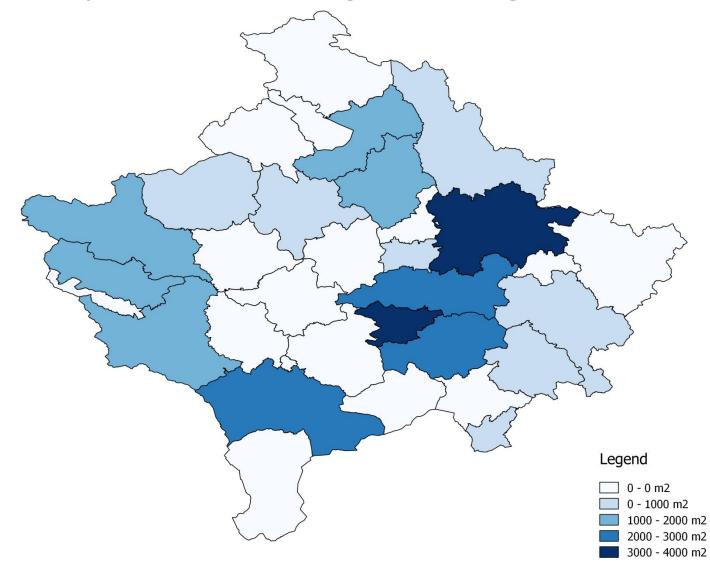
Typical EE measures identified - solar thermal







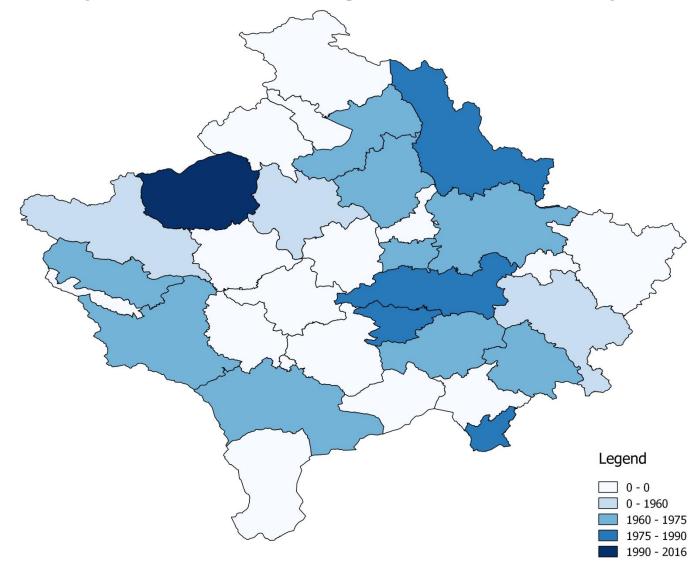
Summary results - average building heated area







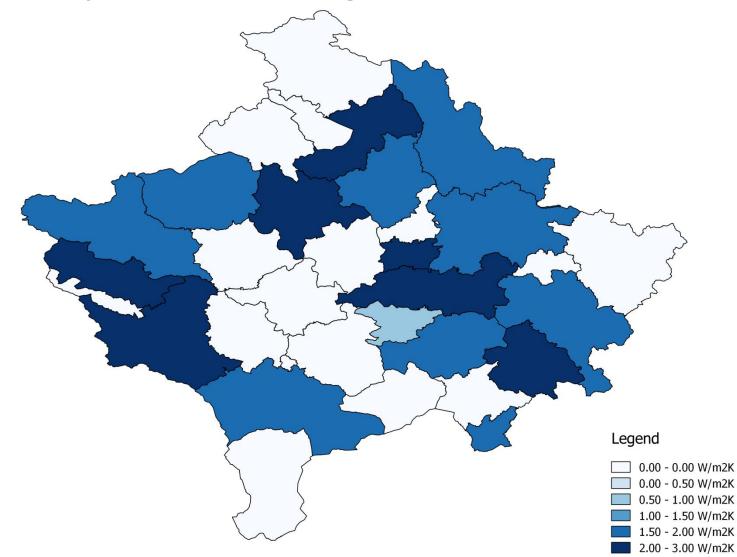
Summary results - average construction year







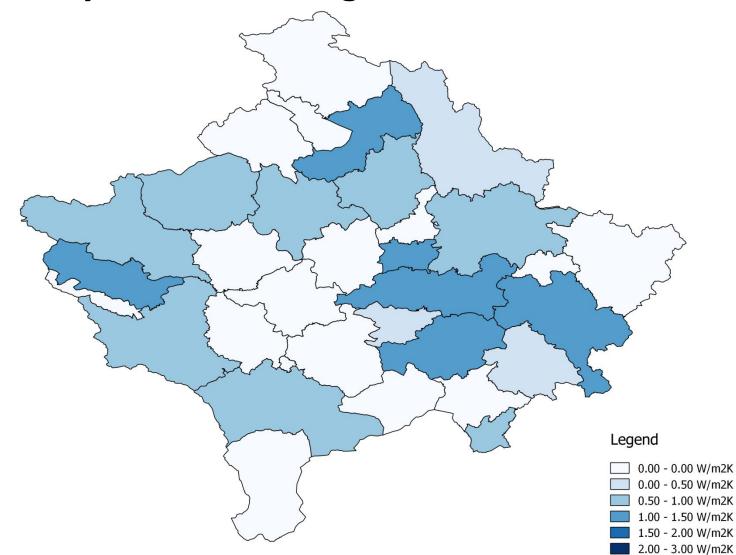
Summary results - average U-values before







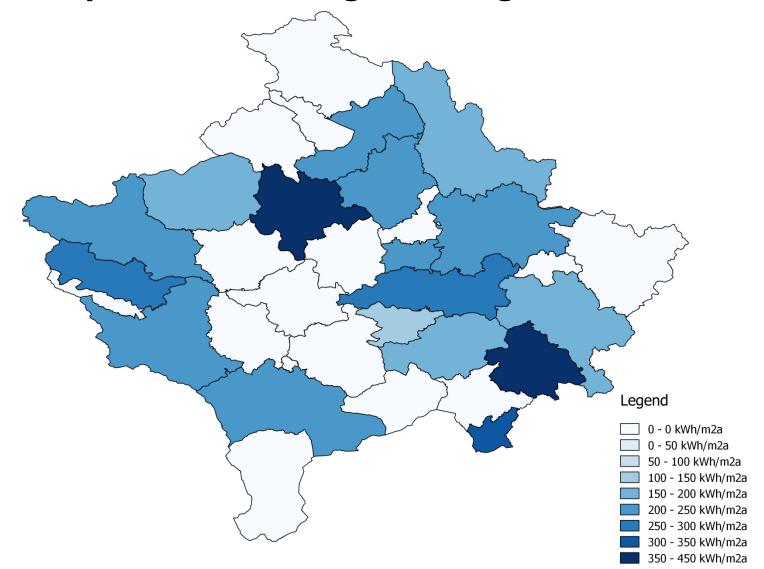
Summary results - average U-values after







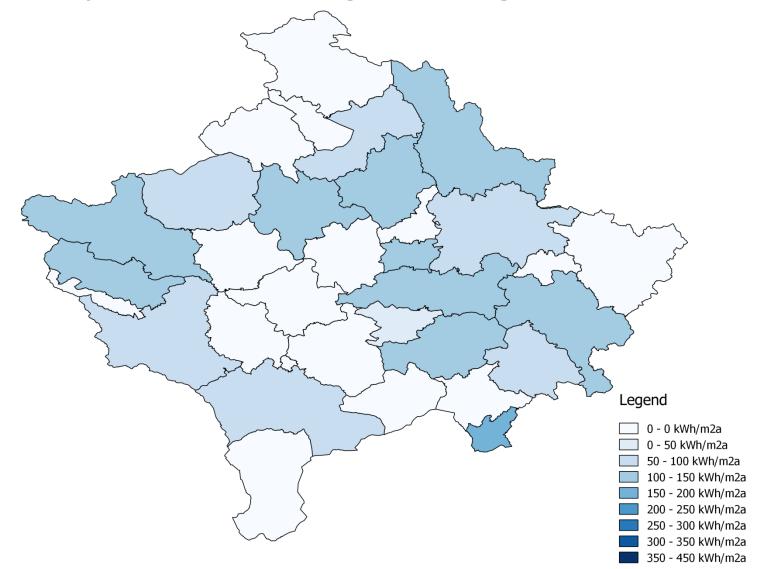
Summary results - average heating cons. before







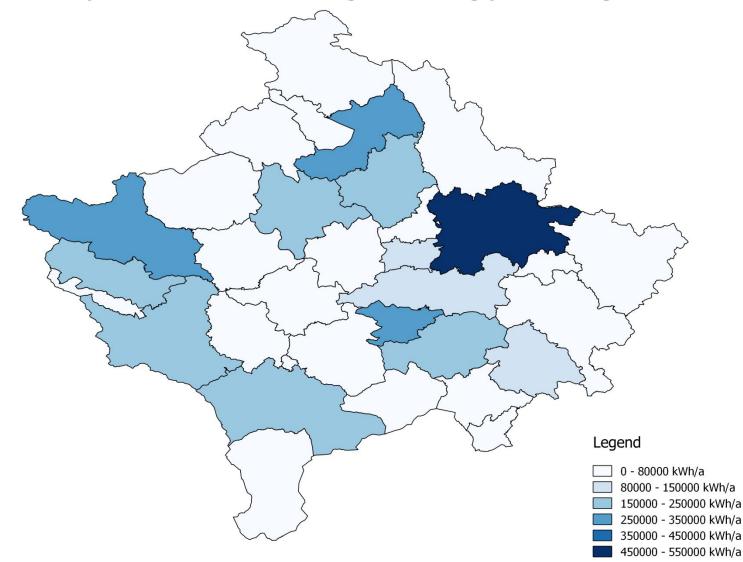
Summary results - average heating cons. after







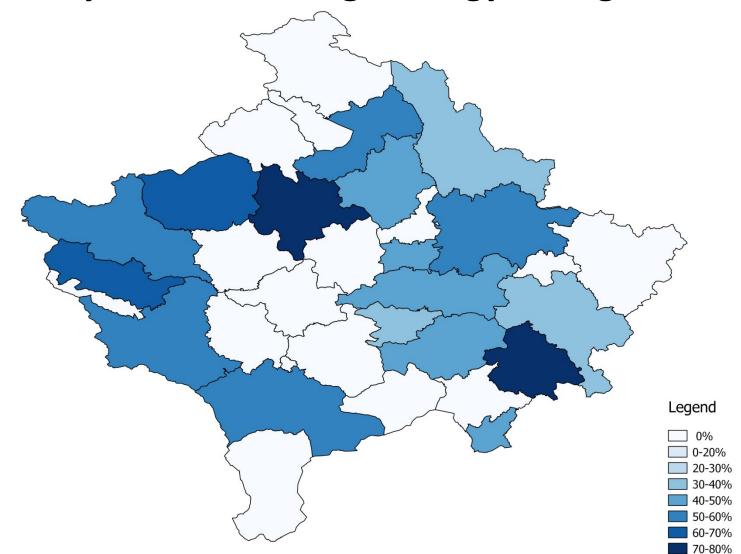
Summary results - average energy savings







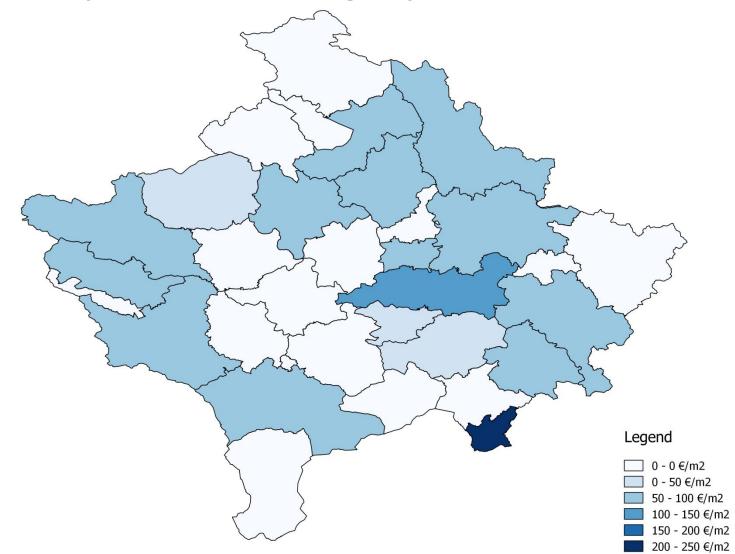
Summary results - average energy savings %







Summary results - average spec. EE investment





Profile





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Zlatko BAČELIĆ MEDIĆ

- > Experience in team management and project coordination in energy efficiency, renewable energy and new technologies implementation
- Team leader in preparation of investment grade energy audits in public, private and industrial sectors
- > Experience in capacity building in developing countries
- Extensive experience in technical modeling and preparation of financial analyses for energy efficiency and renewable energy projects
- > Expertise in optimization and cost-optimality in energy efficiency projects
- Expertise in analysis and assessment of energy sectors, including energy planning
- > Project experience across SEE

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