IMPROVING ENERGY AND RESOURCE EFFICIENCY IN THE EU CONSTRUCTION SECTOR

Authors: Olga MALA¹, Miroslava IVANOVA²

¹ PwC Luxembourg, olga.mala@lu.pwc.com; ² PwC Luxembourg, miroslava.ivanova@lu.pwc.com; 

Abstract:

The EU building stock is aging and becoming increasingly outdated in terms of energy efficiency standard. In fact, buildings currently account for approximately 40% of the EU's energy consumption and 36% of its CO2 emissions. In addition, the current replacement and renovation rates are not high enough to ensure that the full potential energy savings is achieved.

In this challenging context, EU and EU Member states policy-makers have developed different responses to these issues, ranging from national strategies, to policies, regulations, instruments (fiscal and financing measures). However, these responses also face several obstacles – whether they are shaped by the national institutional and regulatory framework, or by a lack of economic incentives and capacities.

This is reflected in the European Construction Sector Observatory policy fact sheet and analytical reports, which look into more depth in the energy and resource efficiency of the construction sector in the EU and EU Member States. On this basis, the presentation will aim to provide recommendations about how national policies can improve energy and resource efficiency of the construction sector.

Novelty - Value / Relevance to …

This presentation will help providing an EU-wide overview of the energy and resource efficiency of the construction sector, and highlight some of the areas where especially policy-makers can have a major impact. These include energy performance improvements and renovation initiatives; financing measures; information and awareness raising activities; research initiatives; skills and training provision and resource efficiency improvements.

Keywords:

Energy Efficiency, Resource Efficiency, Energy Policy, Construction Demolition Waste, European Construction Sector Observatory

Graphics: