

# Abstract Template ESCC 2020

## Fostering Energy Efficiency Investments at an Early Stage: A Standardized Toolbox

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**Presentation Title:**

Fostering Energy Efficiency Investments at an Early Stage: A Standardized Toolbox

**Keywords:** Energy; Energy Efficiency; Financing Schemes; Decision Making;

**Abstract (min 300 words – max 500 words):**

Energy efficiency (EE) is considered one of the major pathways to reduce carbon emissions. In this context, the ambitious energy policy targets for 2030 and 2050 create the need for upscaling the energy efficiency finance. The challenge lies in identifying and mainstreaming EE investments, fostering sustainable growth, already from the first stages of investments generation and pre-selection/ pre-evaluation.

In order to make EE investments more transparent, predictable and attractive for financiers and project developers, this study introduces a three-step toolbox focused on the pre-screening process, where no standardization exists, supporting the identification of attractive project ideas. Within the first tool, which has a Go / No-Go character, the project ideas are evaluated according their perceived risk profile taking into account the country, sector and project category. The second tool incorporates various existing or new risk, financial and other key performance indicators (KPIs), in order to identify and benchmark the most financially efficient projects that passed the first tool, using a multicriteria classification method. Finally, at the third tool, beneficiaries of EE investments that seek financing instruments to support their project ideas are combined with financing bodies that search for a profitable portfolio of optimal projects to finance. This toolbox is expected to facilitate both project developers and financing institutions in selecting the most suitable, efficient and cost-effective project ideas according to their strategy and rules

**Select one of the following Topics: 8. Energy Efficiency**

1. Bioenergy
2. Competition in Electricity Markets
3. Decision Making
4. Decision Support Systems
5. Electricity Risk Management
6. Emissions
7. Energy & Environment
8. Energy Efficiency
9. Energy Systems
10. Fuels
11. Greenhouse Gas Emissions
12. Hydroelectricity, Geothermal & Solar Energy
13. Maritime and Air Transportation

14. Mathematical Programming and Energy, Sustainability & Climate Change
15. Multi-criteria Analysis
16. Natural Resources
17. Non-Greenhouse Gas Emissions
18. Operational Research and Energy, Sustainability & Climate Change
19. Power Generation and Trading
20. Power Systems
21. Process Optimization, Synthesis, Design and Operation
22. Renewable Energy
23. Sustainability in Supply Chain
24. Sustainable Energy
25. Transportation and Energy Efficiency
26. Vulnerability, Sustainability & Stochasticity
27. Write an other option

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