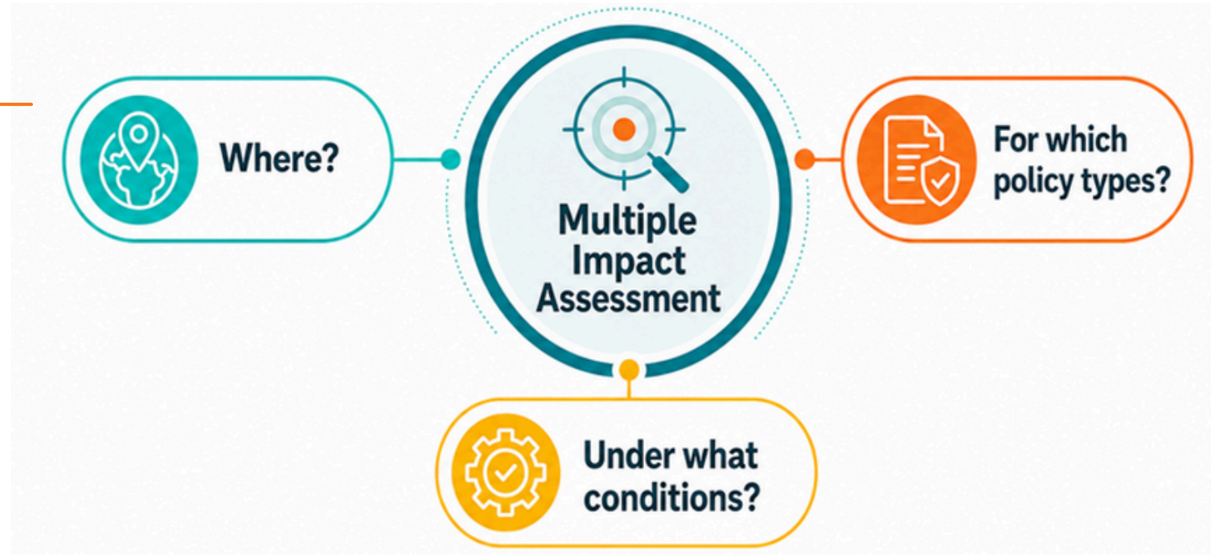
Replicability Analysis

SEED MICAT
Support Energy Efficiency Deployment with the Multiple Impacts CAlculation Tool

Where and under which conditions can multiple impact assessments support energy efficiency policymaking.



1. WHAT DID WE WANT TO EXPLORE ?

Why a replicability analysis is needed?

→ The replicability analysis explores where and under which conditions a **multiple impact assessment** approach can support energy efficiency **policymaking** across different countries and policy areas, as well as to understand how the broader benefits of energy efficiency can support policy decisions in different settings.

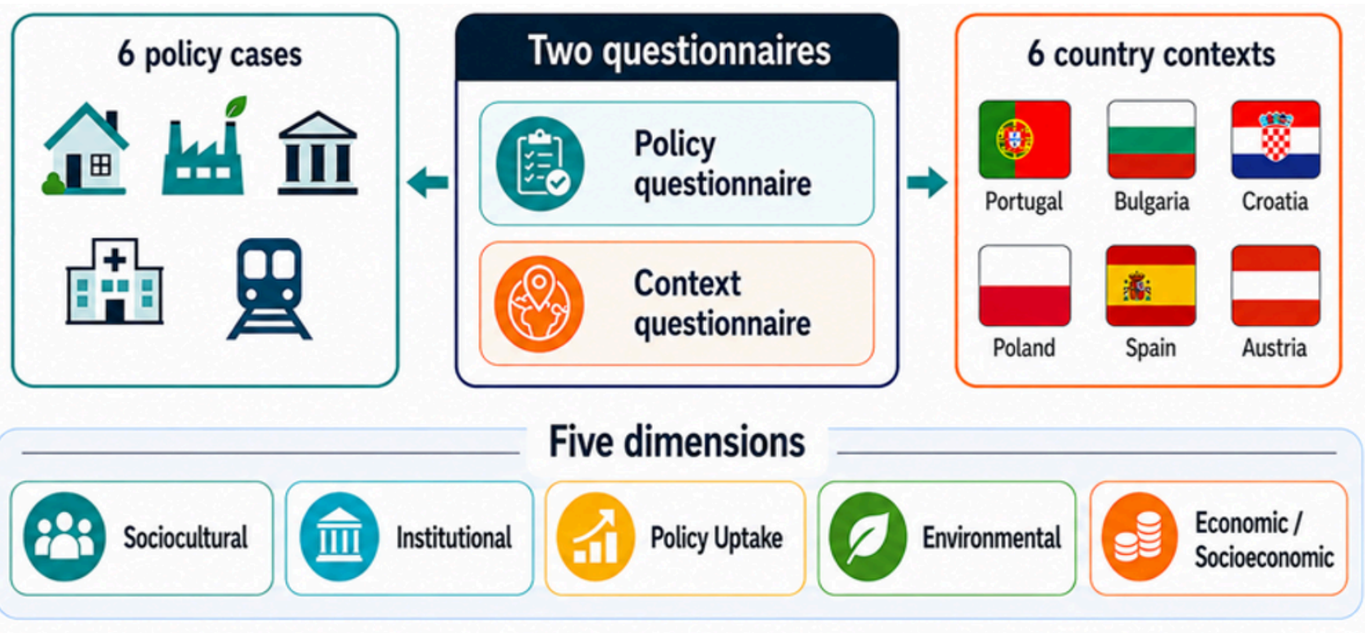
2.HOW WAS IT EXPLORED ?

→ **Six energy-efficiency policy** cases provided by SEED MICAT Pilot countries (Germany, Italy, Czechia) were assessed against **six different European country contexts.**

→ **Engagement** with the six countries included **initial training on using the MICATool.**

→ **Two complementary questionnaires** provided the policy/showcase-side and context-side evidence used across **five analytical dimensions**.

→ All questions **were scored 0- 5 in the questionnaires.** Supporting comments and qualitative input were requested

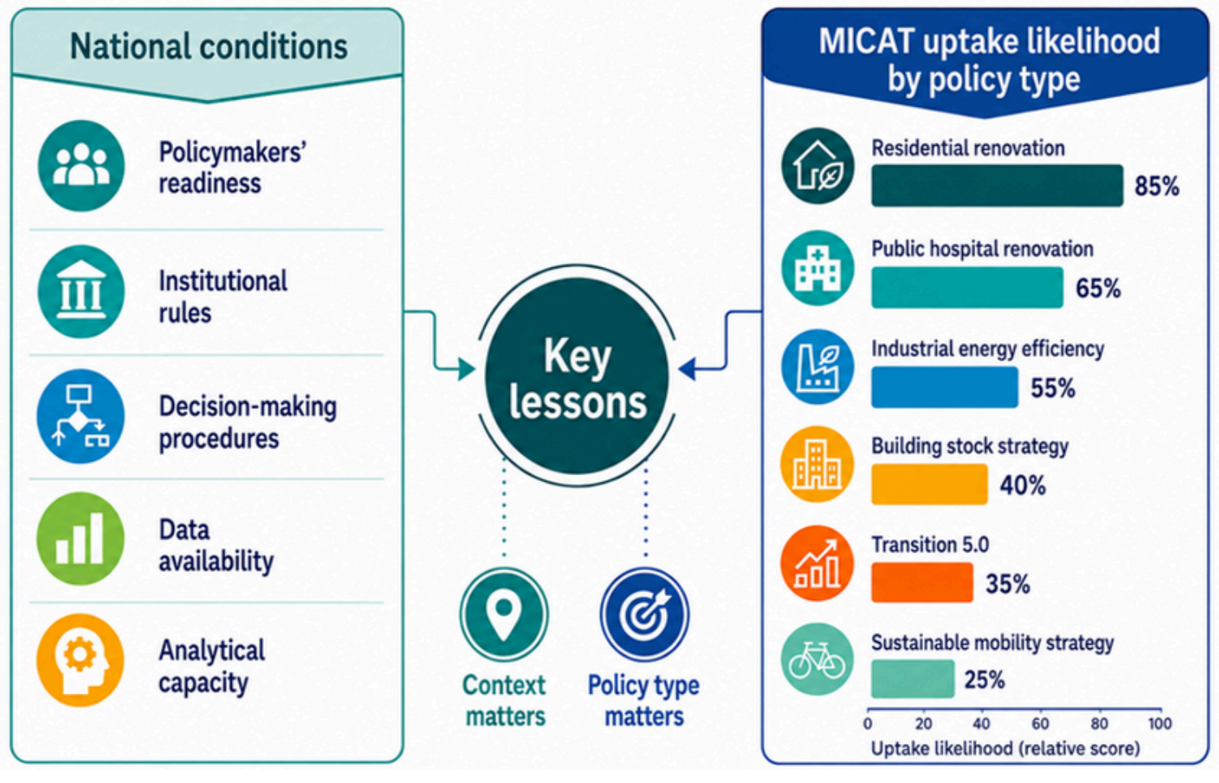


3.WHAT DID WE LEARN ?

There is no single pattern across countries: The relevance of multiple impacts depends **both on national conditions** and on the type of **policy being assessed.**

National conditions matter: Uptake depends on policymakers' readiness, institutional rules and the capacity to use this kind of evidence in practice.

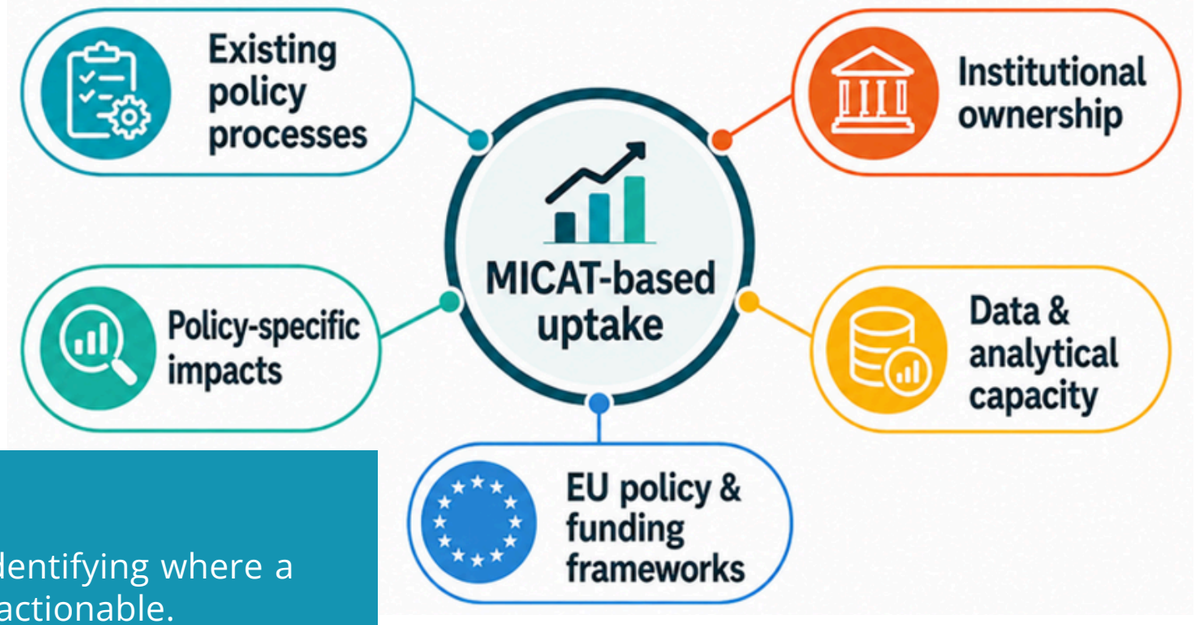
Policy types also matter: Residential renovation shows the clearest and most consistent potential for a MICAT-based approach replication. Public buildings and industry also offer promising pathways, while healthcare and mobility are more context-dependent.



4.WHAT SUPPORTS GREATER UPTAKE ?

→ **The MICAT approach** is more likely to be useful when it can build on existing policy appraisal and planning processes, clear institutional responsibilities, and adequate data and analytical capacity.

→ **Uptake also depends on selecting multiple impacts that are meaningful** for the policy concerned and relevant to actual decision-making needs.



LESSONS LEARNED/ ACHIEVEMENTS

Replicability is not only about transferring policies: It is also about identifying where a multiple impact approach can make energy efficiency more relevant and actionable.
Multiple-impact evidence is most useful when it responds to concrete policy needs and can be integrated into existing decision-making processes. The impacts considered should therefore be tailored to the policy type rather than applied uniformly across sectors.

The MICATool works best when broader impacts are linked to real policy decisions.

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