

Multi Country Support to Advance Building Decarbonisation (Multi-Unit Developments)

Proposal number: PF00179

Proposal acronym: MUDS

Duration: 18 months (October 2023 – April 2024)

Total Project Budget: €359,739 **TUS Project Budget:** €114,300

Type of Model Grant Agreement: Service Contract Tender

Summary:

The overall objective of this project is to contribute towards the accelerating of decarbonisation of buildings in Austria, Ireland and Lithuania in the long term by improving data on the building stock, promoting renovation of multi-apartment buildings and increasing the carbon storage in buildings respectively. In particular, this study is expected to achieve the following outcomes:

1. Implement improved data collection processes and database for energy performance data of the national building stock in Austria;
2. Establish models and frameworks in **Ireland** for the advancement of retrofitting in MUDs and achieve a high level of awareness within a wide audience
3. Adopt improved methodology for green renovation project development assistance in Lithuania.
4. Create synergies among participating Member States via knowledge sharing and dissemination.

TUS is focused on the Irish project outcome which aims to establish frameworks to accelerate the retrofitting of Multi-Unit Dwellings (MUDs) in Ireland. This effort supports the Irish Long Term Renovation Strategy and aligns with policies in the Climate Action Plan (CAP) and the National Energy and Climate Plan (NECP), targeting a highly energy-efficient, largely decarbonized residential building stock by 2050. Currently, most housing is energy inefficient, with only 0.4%-1.2% of the stock renovated annually.

The project will analyse the existing legal, governance, and financing frameworks for Multi-Unit Developments (MUDs) in Ireland. It will conduct a SWOT analysis of these frameworks and identify EU best practices that could help address weaknesses and accelerate MUD retrofitting in Ireland. Following a series of workshops with stakeholders involved with MUDs, a report will be produced including recommendations as to policies, reforms and regulation necessary to achieve large-scale retrofitting of multi-occupancy MUDs. This report will establish guidelines to inform management organisations on good practice retrofitting approaches for MUDs and set out an action plan for Government policy. Finally, to increase awareness, training will be provided to Irish authorities and stakeholders on the proposed best practice management processes and frameworks to accelerate retrofitting of MUDs.

By analysing current frameworks, identifying EU best practices, and engaging stakeholders, the project will deliver actionable recommendations for policy reform and effective retrofitting strategies. Training and awareness efforts will further support the adoption of these best practices, contributing to the long-term goal of a highly energy-efficient, decarbonized residential building stock by 2050.

Partners:

The project is delivered by Trinomics, e7, Technological University of the Shannon: Midlands Midwest (TUS), and Kaunas University of Technology (KTU), bringing together a strong team of experts with complementary competences in building renovations and European policy and creating a network at European Union (EU) level with Austrian, Irish and Lithuanian practitioners.

TUS Activities (SDRI):

TUS will lead on the deliverable 6 report including recommendations as to policies, reforms and regulation necessary to achieve large-scale retrofitting of multi-occupancy MUDs and deliverable 7 training and dissemination activities.

For further information:

- Project Officer: Elisabeth O' Brien. Email: elisabeth.obrien@tus.ie
- Project Researcher: Stephanie Moore. Email: stephanie.moore@tus.ie