

EFFICACY - Energy eFFiciency building and CirculAr eConomY for thermal insulating solutions (2021-2023)



Partners: Coordination: CERIS/IST and partner Norwegian University of Science and Technology (NTNU)

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Period: **1-09-2021** (24 months) -

Summary description: aims developing a harmonised database and guidelines to systematize relevant criteria for thermal insulation solutions on existing buildings retrofitting and/or for new constructions. The selection criteria will rank technical requirements (e.g. thermal and hygrothermal performance), constructive details and visual impact, environmental and socioeconomic indicators, also based on geographical climate conditions and on climate change scenarios.

CERIS participation: CERIS/IST will make the project management and will be responsible for activities A2 (database) and A4 (final seminar), and NTNU for activities A1 (criteria) and A3 (guidelines). Both entities will participate in all activities.

Output: the project will involve post-doc and PhD students in this project as well as Master students. Both teams will contribute to collect data and create a database, website and guidelines (in English, Portuguese and Norwegian) and dissemination (joint-papers in journals). The NTNU knowledge of Northern climate and Mediterranean climate from IST will enhance the climate change approach in the activities, with the specificity of target groups from each country, interested in the use of thermal solutions for energy building retrofitting and circularity.

Indicators: the project will start on September 2021.