

Transdisciplinary A&S housing research framework

Lead Beneficiary

TUD

Duration

M12–M48

Objectives

The aim of this work package is to give ESRs the methodological tools to carry out their research projects within the transdisciplinary research framework for A&S housing delivery. Through the activities in this work package, ESRs will be able to build their research on the theoretical inputs from several disciplines in accordance with their specific research goals and to gain the necessary skills to develop and implement the framework to answer specific research questions. They will produce a shared vocabulary to support further research work on A&S housing, identify and examine key case studies. This way, it will be possible to interlink, through the ESRs research, the subject areas currently being addressed in the doctoral programmes of 10 academic institutions with the know-how of 12 non-academic organizations working in the provision of housing.

Tasks

Through the following tasks, ESRs will identify key barriers and drivers to A&S housing by interrelating: 1. Topics included in each of the three key subject areas and 2. Topics across the three areas.

Task 4.1. A transdisciplinary perspective to “Planning, Design and Building”

Transversal lines across the subject area will be identified including sustainable planning, industrialized construction, green building, building retrofitting, and housing design education. In a second step, the transversal lines will be related to topics identified in Task 4.2 and Task 4.3.

Task 4.2. A transdisciplinary perspective to “Community Participation”

Transversal lines across the subject area will be identified including co-housing, communicative planning, inclusive design, and transient digital societies. In a second step, the transversal lines will be related to topics identified in Task 4.1 and Task 4.3.

Task 4.3. A transdisciplinary perspective to “Policy and Financing”

Transversal lines across the subject area will be identified including innovative procurement, social housing policies, vulnerable groups and governance, market and financing. In a second step, the transversal lines will be related to topics identified in Task 4.1 and Task 4.2.

Task 4.4. Vocabulary contents

To create a shared vocabulary encompassing the multiple definitions of the transversal lines identified in Tasks 4.1, 4.2 and 4.3 The vocabulary will be in English. It will followed the model of the Oikopedia vocabulary developed in the OIKONET and OIKODOMOS projects by the leading partner of this Action (see Task 5.1.3).

Task 4.5. Case study documentation

To identify and examine key case studies which are representative of the transdisciplinary nature of A&S housing research. The selected cases will exemplify the transversal lines identified in Tasks 4.1, 4.2 and 4.3. They will be documented and published in a dedication section of the Action website (see Task 5.1.4). A chapter for the RE-DWELL reader will be prepared by ESRs with the results of this task.

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Task 4.6. Multi-stakeholder assessment framework

To propose an assessment framework based including the multiple criteria required to evaluate the relationships and mutual impact of the various dimensions affecting A&S housing.

Task 4.7. Testing and validation

The framework will be tested and validated in specific fields (planning, design, policy making, financing, etc.) with the participation of the non-academic organisations.

Deriverables

D4.1. “A transdisciplinary perspective to planning, design and building”

Report describing the transversal lines identified within this area, and with the other two areas. Available as pdf in the project website

D4.2. “A transdisciplinary perspective to community participation”

Report describing the transversal lines identified within this area, and with the other two areas. Available as pdf in the project website

D4.3. “A transdisciplinary perspective to policy and financing”

Report describing the transversal lines identified within this area, and with the other two areas. Available as pdf in the project website

D4.4. “RE-DWELL vocabulary for A&S transdisciplinary research”

D4.5. “RE-DWELL case study library of A&S housing”

D4.6. “DRE-DWELL assessment framework for A&S housing”

Precedents, need, rationale, indicators, monitoring

D4.7. “Validation of RE-DWELL framework”

Precedents, need, rationale, indicators, monitoring