

Urban Farming and Morphology

Summary

Hyping Agriculture and Transit (HAT) in 15-minute Cities (15mC) – Food-growing public transport-oriented communities driving urban transitions as green Proximity Oriented Developments (PODs)

Research field:	Building and civil engineering and architecture
Supervisor:	Jenni Vilhelmiina Partanen
Availability:	This position is available.
Offered by:	School of Engineering Department of Civil Engineering and Architecture
Application deadline:	Applications are accepted between January 01, 2025 00:00 and January 24, 2025 23:59 (Europe/Zurich)

Description

In this umbrella project we aim at building more resilient urban systems regarding coupled regional food metabolic and mobility systems using quantitative and qualitative methods and urban theories. We explore, for example, the evolution of food production and distribution in Tallinn, potential of sustainable mobility models - such as 15mc and TOD - in supporting urban farming and food distribution. We apply urban morphological methods and conceptual design interventions to build future urban policies that enhance accessible and ecological food systems in cities. We have 3 Estonian work packages working in concert, along with a top international consortium supporting our work. In TalTech, HAT consists of three subprojects.

Urban Farming and Morphology (subproject 3) focuses on morphological research into the spatial and typological evolution of Estonian urban farming, mobility networks, and urban form, exploring, recognizing, and classifying types, regularities, and building rules in the urban fabric. Research on the social and historical aspects of food, food production, urban metabolic flows, and/or emissions, grounded in relevant urban theories, is also possible. Furthermore, the project suggests directions for future practical planning interventions and concepts.

The background of applicants may vary depending on their focus. For example, urban design and planning, landscape architecture, or architecture with experience in urban morphology studies are suitable. Additionally, humanistic disciplines such as anthropology, gender studies, or human geography with an appropriate skill set can be considered.



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