

THE FUTURE OF LIVING AND HOUSING



Academy of Finland
Research Programme
ASU-LIVE 2011-2015



THE FUTURE OF LIVING AND HOUSING (ASU-LIVE)

2011–2015



ASU-LIVE IN BRIEF

The ASU-LIVE research programme approaches living and housing as a substantive entity that comprises environmental issues from sustainable development to land use, logistics and services, and consumer issues from cultural needs through to health issues. The programme covers a wide range of recent housing trends and particularly various social, economic, technological and environmental issues related to housing. As well as producing high-level scientific results, the programme is expected to further deepen the dialogue between researchers and end-users of knowledge and to support and promote the application of new research results at an early stage.

Multidisciplinary research into the future of housing has a broad foundation in society, culture, the environment and technology. This foundation is constantly changing. In particular, the increasing emphasis on user-centred housing, aesthetic values and accessibility has raised target standards for housing. At the same time, housing is increasingly impacted by social and cultural factors. People's housing needs change across the life span, and one group who are bound to assume increasing prominence in the future are active senior citizens. Internationalisation and migration are generating new flows of cultural influence, which are reflected in the diversity of living and housing. Changing housing needs are placing significant challenges most particularly on urban and regional planning, environmental engineering, architecture, housing production and the development of the resident's position as consumer. The goals of ecologically and socially sustainable development have also changed housing and perceptions of good living. Along with these changes, housing planning has become an integral part of environmental planning.

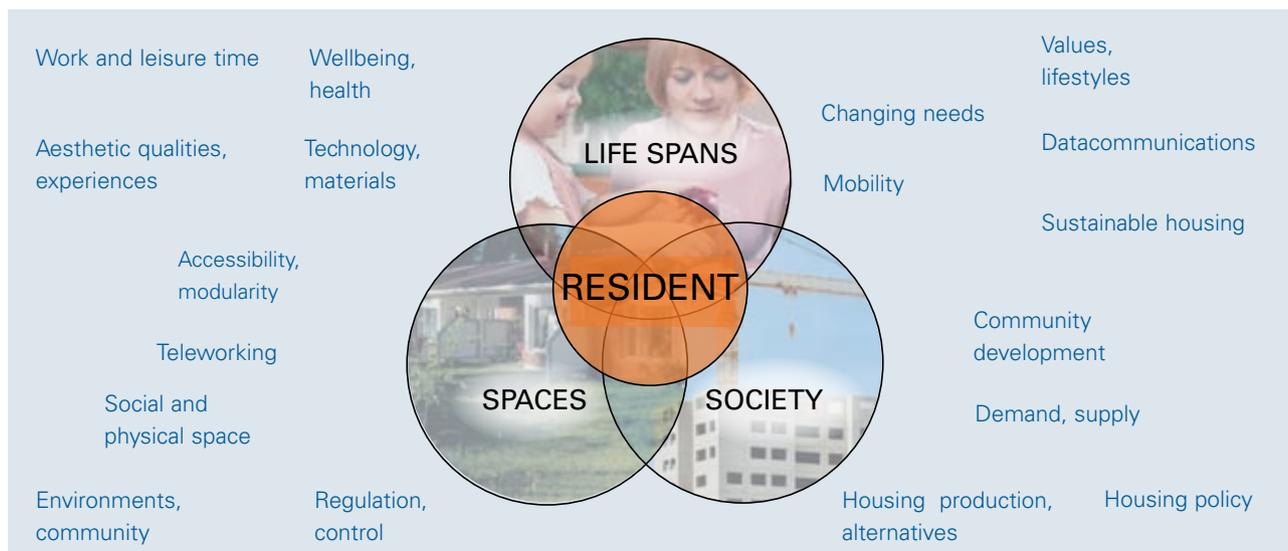
The future challenges of housing stem largely from the requirements of sustainable social and environmental development. In terms of people's everyday choices and the tools available to social regulation, the most effective solutions for reducing the carbon dioxide load, for example, are related to housing energy needs, housing choices, commuting to work, travel during leisure and the development of the community structure. These phenomena are related in complex ways, and in order to intervene effectively it is important to have advance knowledge about both immediate and longer-term changes as well as their impacts on the environment and wellbeing. The renovation and development of existing residential areas present a huge challenge, because many buildings can be used for up to centuries. This underscores the importance of long-term planning responsibilities and opens up a perspective on sustainable housing development as an intergenerational issue.





When people feel comfortable in their residential areas, it has direct consequences to their wellbeing. Therefore, promoting a sense of community in the living environment is central to the development of modern housing and to the wellbeing of residents. Housing-related health depends most crucially on factors such as the location of the dwelling, good and accessible transport connections, the modular-

ity and multifunctionality of housing, technological ease of use, and easy access to sports and other leisure activities. The concept of housing as applied in this research programme ties together questions of housing through urban and regional planning, political decision-making and its impacts. However, the main focus throughout is on the individual resident.





THEMES

ASU-LIVE is structured around three closely related themes: life spans, spaces and society. These themes and their interconnections locate the key subject areas in which the programme is expected to produce significant research results.

GOALS

The scientific goals of the programme are to:

- examine future living and housing as a whole, from the resident's perspective, including a range of related topics from environmental and consumer issues to cultural factors and factors influencing residents' health



- emphasise the connections of basic research with housing practices
- produce internationally significant research evidence on living and housing
- strengthen multidisciplinary competencies and research environments in areas that will promote the development of housing research in Finland.

The programme's research-policy objectives are to:

- create new national and international research networks
- increase the mobility of doctoral students and researchers
- promote coordination and cooperation with other national and international partners
- raise public debate on the future of housing and facilitate informed decision-making.

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ASU-LIVE RESEARCH PROGRAMME

FUNDED PROJECTS

CONSORTIA

Homes beyond Homes: Multiple dwelling and everyday living in leisure spaces
Colin Michael Hall, University of Eastern Finland
Eeva Furman, Finnish Environment Institute
Seija Tuulentie, Finnish Forest Research Institute

Balancing local politics, housing preferences and sustainability in the new detached housing areas in the rural-urban interaction zones
Toivo Muilu, University of Oulu
Raine Mäntysalo, Aalto University
Hilkka Vihinen, MTT Agrifood Research Finland

The Finnish Housing Regime in Transition
Hannu Ruonavaara, University of Turku
Christer Bengs, Aalto University
Anne Haila, University of Helsinki

Green Infrastructures for Health in the Future Living Environments
Liisa Tyrväinen, Finnish Forest Research Institute
Timo Lanki, National Institute for Health and Welfare
Kalevi Korpela, University of Tampere

Research on resident-driven infill development possibilities – case study in urban areas in Finland
Kauko Viitanen, Aalto University
Aimo Tiilikainen, VTT Technical Research Centre of Finland

INDIVIDUAL PROJECTS

Long-term homelessness and Finnish adaptations of the 'Housing First' model
Kirsi Juhila, University of Tampere

Creating meaningful continuities between urban dwellers, technologies and environments in planning (CONTURB),
Ilari Karppi, University of Tampere

New urban poverty and the renovation of prefabricated high-rise suburbs in Finland (PREFARE)
Matti Kortteinen, University of Helsinki

Moving in Old Age: Transitions in Housing and Care (MOVAGE)
Teppo Kröger, University of Jyväskylä

The implications of changing family structures and population ageing on long-term housing trajectories, housing wealth and health, and nursing home residence
Pekka Martikainen, University of Helsinki

Neighbour disputes and housing in Finland
Tapio Määttä, University of Eastern Finland

Life-Space Mobility in Old Age (LISPE)
Taina Rantanen, University of Jyväskylä

Dwelling with the city: children and young people as participating residents
Sirpa Tani, University of Helsinki

Modeling housing market frictions - tools for policy analysis
Marko Terviö, Aalto University

JOINT PROJECTS. ACADEMY OF FINLAND AND JAPAN SOCIETY FOR THE PROMOTION OF SCIENCE

Improving the quality of medical treatment and daily healthcare: an approach from wireless communications and networks
Katsuyuki Haneda, Aalto University

Inhabitants in Contexts, Place-based comparative research on ecosocially sustainable environments in Finland and Japan
Marketta Kyttä, Aalto University

Interactive Context-aware System for Energy Efficient Living (INCA)
Juha Röning, University of Oulu

Stress-reducing qualities of urban green areas
Liisa Tyrväinen, Finnish Forest Research Institute



FURTHER INFORMATION

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