Sibbesborg is a large-scale area development project whose purpose is to respond to the needs of the growing metropolitan region, and also to help establish a goal-oriented and sustainable pattern for the growth of community structure. It represents a drastic change both in community structure and planning practice for the project is seeking to develop the urban design practice in wider scope.

The area development project is based on the results of the open international planning competition for sustainable community organized in 2011 by Sipoo Municipality (http://www.sibbesborg.net/) as well as several regional strategies and plans.

The master plan for Sibbesborg continues the process combining the premises with developing planning practice and methods of interaction and communication within planning.

More information:
www.sibbesborg.net
Development Policy for Sibbesborg (2012)
Sustainability criteria of Sibbesborg (2012)
Preliminary study of the eastern extension of metro (2012)

WORK PACKAGES

In traditional Finnish master plan process, preliminary studies are commissioned of number of topics and themes years before the actual preparation of the plan. So they often do not communicate with each other. Sibbesborg master planning avoid this by programming the preliminary studies to be carried out in parallel.

Forecasts/ Future scenarios
- Seeks driving forces of domestic development
- Use scenarios recently made in Helsinki region (tonni, inno, onni)
- defines scope of urban growth realistic in Sibbesborg
- defines educated and goal
- directed forecast of growth for masterplanning
- defines housing and land use policy recommendations to handle that growth
- includes 2 workshops: 1) future drivers and 2) land use policy

Eco-efficiency
- analyses current energy and water supply and future demand of Sibbesborg
- defines energy and water management strategies based on closed eco loops
- defines waste management concept for future growth
- design storm water management plans to support local food production
- includes workshop with local civil engineers

NS analysis (Netzstadt-method localization for Sibbesborg)
- analyse current land use applying the Netzstadt method
- analyse masterplan vision in a same way
- defines future potentials and preliminary keyprojects areas (urban projects) for autumn seminar (synoikos application) to talk about
- includes support and consultancy from Frantz Oswald, creator of Netzstadt-method

Business and services
- analyses local ground of entrepreneurship and services
- defines sustainable concept for local services and consumption
- defines future demand for services
- includes workshop with local entrepreneurs

Ecosystem services
- aims to translate the concepts of Natural Capital (NC) and Ecosystem Services (ES) into operational
- frameworks that provide practical and tailored solutions for integrating ES into Sibbesborg
- land use planning (co-operation with http://www.openness-project.eu/)
- defines potential of future ecosystem services of the Sibbesborg

Urban design
- analyse features of current detail planning of Söderkulla (Learning of Söderkulla)
- defines features of masterplan vision in a same way (Dreaming of Sibbesborg)
- create design guidelines for changes needed in urban design to achieve given goals
- includes co-design workshops with local planners
SUSTAINABILITY AS A MUST!

In Sibbesborg planning stage sustainability is treated as a base for planning logic and locality as a base for evaluating the result (in traditional planning this is usually other way round). The planning process is an adaptation of Netzstadt*-method as it is the only transdisciplinary method available at the moment concerning the planning task itself. It is also based on logic which has similar scientific roots as has contemporary research on concepts of natural capital and Ecosystem Services. The aim is to bring new ways of thinking in Finnish planning process in a way that it is based on understanding of the city as it is today. We believe that Netzstadt is well thought base for this.


New urban planning methods in use in Sibbesborg Master Plan!

Program

9.00 Coffee

9.15 Welcome
Starting points of Sibbesborg
Kaisa Yli-Jama, Sipoo Municipality

9.30 Introduction to the project
Terhi Tikkakonen-Lindström, WSP Finland Ltd

9.40 Future scenarios
Virpi Pastinen, WSP Finland Ltd

10.00 Objectives for urban structure/Urban design with parametric planning
Teemu Holopainen, WSP Finland Ltd
Tomi Jaskari, WSP Finland Ltd
Laura Hietakorpi, WSP Finland Ltd

10.30 Keynote speaker Franz Oswald, Prof. emeritus ETH Zurich

11.30 Lunch

12.30 Netzstadt – Analysis
Teemu Holopainen, WSP Finland Ltd
Anssi Joutsiniemi, Tampere University of Technology/EDGE Laboratory for Architectural and Urban Research.

12.50 Ecosystem services/OpenNESS and case studies
Leena Kopperoinen, SYKE Finnish Environment Institute
Kati Vierikko, University of Helsinki, Department of Environmental Sciences

13.10 Ecoefficiency and innovative concepts/Water management and services, Energy, Waste management
Terhi Tikkakonen-Lindström, WSP Finland Ltd
Kia Aksela, WSP Finland Ltd

14.00 Coffee break

14.30 Concepts for Business and Services
Jani Päivänen, WSP Finland Ltd
Pasi Mäenpää, University of Helsinki

14.50 Summary and reflections
Panu Lehtovuori, Professor of Planning Theory, Tampere University of Technology
Franz Oswald, Prof. emeritus, Chair of Architecture and Urbanism, ETH Zurich