City / Nature for Urban Resilience: Greener Belltown – Bluer Sound
Scan I Design Master Studio, Autumn 2017 [Larch 501]

Instructors: Nancy Rottle
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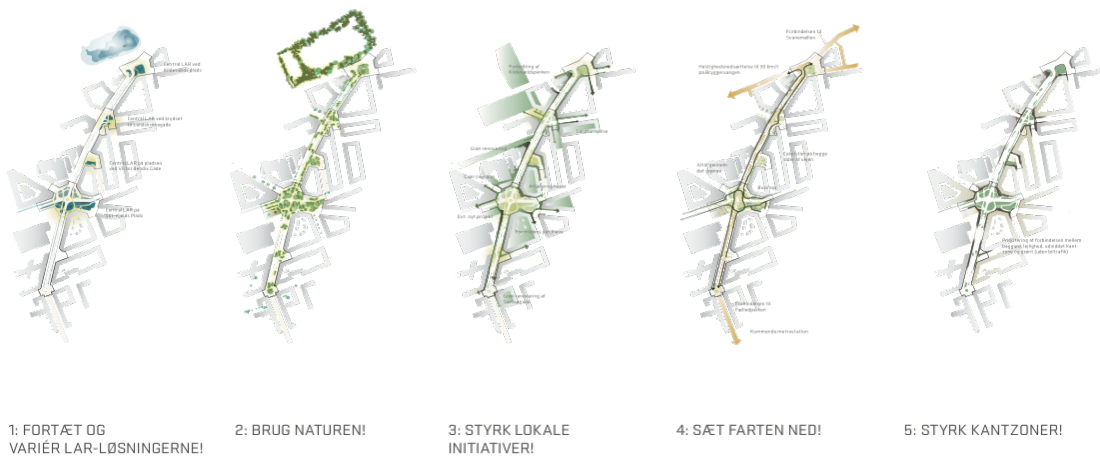With Master Teacher Louise Grassov, Schulze + Grassov

PROJECT 03: District Framework Strategies and City / Nature Toolbox

DUE:
PRELIMINARY SYSTEM FRAMEWORK VISION + WATER/NATURE TOOLBOX PRESENTATION – Friday, October 13 printed by 1:30, beginning of class. Upload your Toolbox presentation and images to the Drive by noon.

FINAL SYSTEM FRAMEWORK PRESENTATION – Monday, October 16. Presentation files posted to Drive by noon
PRINTED BOOK PAGES and DIGITAL FILES – bring printed copy to class and post finalized files, Wednesday, Oct. 18

1: FORTÆT OG VARIÉR LAR-LØSNINGERNE!   2: BRUG NATUREN!   3: STYRK LOKALE INITIATIVER!   4: SÆT FARTEN NED!   5: STYRK KANTZONER!

Based upon your group's inventory and analyses of existing, planned and possible conditions, work as a group to develop a **District Framework for the system(s) or category that you have analyzed**. What are the related opportunities and needs of the district, and how do you propose addressing them in a cohesive, functional and poetic vision? How can the 2030, SPU and Belltown water / urban space / nature goals be achieved? What are strategies for achieving your group's vision, and where can they be applied? How can you represent these in compelling diagrams? Represent your District Framework using GIS and Adobe Suite as necessary, printed at 1"=120'. Additionally, what are precedent / toolbox examples that help to illustrate your proposed **strategies, actions and built elements?**

As a corollary to your System Framework Vision, we will work together to create a **toolbox** of **WATER AND NATURE INSERTIONS AND TECHNIQUES** that can be applied to your system. For example, what stormwater detention and urban forest approaches can be used in concert with **streets and urban mobility**? What mechanisms can be used to **increase ecological (urban nature and water) performance in larger parks and in social spaces?** For the water group, what **are strategies that can be used to conserve potable water, and to ensure that with summer drought, there is enough to maintain plantings**? For the design drivers/thick context group, what approaches may **engender authentic identity and sensory / emotional experience for the district, while addressing nature / water goals? Represent these techniques in diagrams and images of examples in a brief presentation to the group on Friday**; if possible, **include the amount of water that the tool would manage / provide.** Store your images/documents on the Google drive so that others can use them, and create a 2-page spread to illustrate and describe your tool. **Each group signs up for 2-3 tools from the list of possible**

toolbox items.

The interim District Framework products will be a **printout of your draft proposal** to swap with other teams for their review/drawing on Friday, and a brief **presentation of your toolbox research, on Friday, Oct. 13**.

Your team will graphically represent your final **Frameworks and Tools in a presentation to the rest of the class** on Monday, Oct. 16 (book page pdfs, ppt, prezi, etc.)
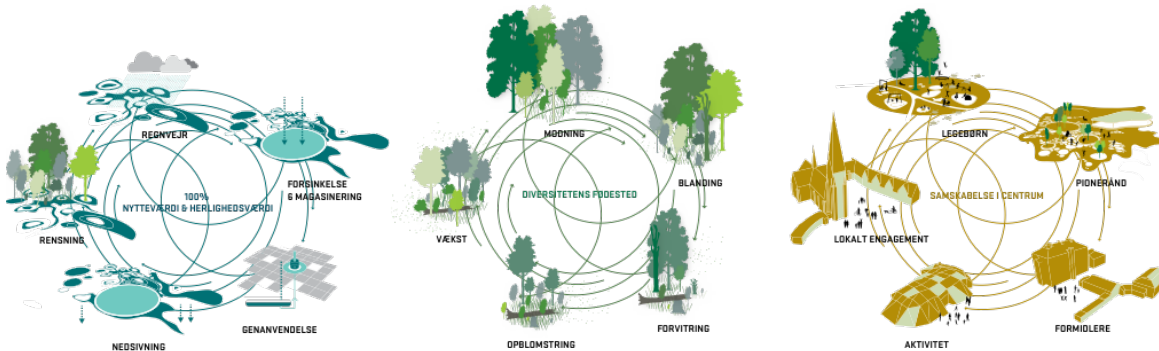
The final product for this District Framework and Toolbox project will be: 1) 1-2 spreads of book page(s) on your system framework, plan view accompanied by illustrations such as sections, diagrams and photographs, and estimations for how much water can be *managed* and *conserved* through your approach (per 2030 goals and 2) one book page describing / illustrating your research on your selected tool.

Upload your final **Framework and Toolbox pages** in the Drive in their respective folders, as well as the **resources you have used,** organized on the Google Drive, including a **resource guide** with a list of contents in your folder, links to web resources, and relevant resources on the Google drive, by Wednesday, Oct. 18.

Your areas of research are the same as we have used for analyses*:

    1. Ecological
    2. Social Space Network
    3. Mobility Patterns and Features
    4. Thick context / narratives
    5. Water

* each person from the Plans group will join one of the other teams, to bring your knowledge to bear on the Framework and Toolbox

TOOLBOX
Water + Nature Tools: 1 or 2 people for each

Biofiltration cells (infiltrating) – flat and sloped
Biofiltration planters (non-infiltrating) – flat and sloped
Silva Cells, Strata Cells, Tree boxes
Pervious pavement
Splash Boxx
Tree Canopy/Urban Forests
Wetlands, Treatment Wetlands
Deep Soils/Mulch
Urban Agriculture
Ponds with Temporary Storage

Green (vegetated) and Blue Roofs
Cisterns, Water Harvest and Re-use (stormwater, graywater)
Blackwater treatment and re-use (Living Machine, MBBR)
Green Walls and Screens

Others you may be interested in….