

## Walkable floor maps

*By/ Ellen Banzhof (UFZ), Sally Anderson (AU), Jeppe Læssøe, Anne Jensen (AU), Signe Iversen (AAK). REGREEN 3<sup>rd</sup> Newsletter, Dec. 2021*

Walkable floor maps consist of aerial photos / satellite images and, as such, present a static view of a study area. These maps become dynamic through the use of QR codes that tell stories about present and planned activities with respect to NBS. Such QR codes can be easily attached to the floor maps and renewed in an ongoing dynamic process. Combining static information on land cover or land surface at a detailed scale with dynamic QR codes on NBS projects supports the spatial understanding of scientists and other actors. By facilitating dialogue, walkable floor maps may serve as catalysts for various kinds of collaboration.

In REGREEN, we use walkable floor maps to enhance spatial perception and contextual understanding, i.e., a learning approach that synthesises more outputs in the REGREEN project. We provide guidance on how to work with walkable floor maps as tools for exploring possible ways forward as well as conflicts when meeting with various groups on the maps. Additionally, the maps may serve as an experimental policy approach and may support co-creation.

*Walkable floor map illustrating built-up area of Paris Region:*

Due to Covid-19 restrictions, the first walkable floor maps were prepared in the summer of 2021 for our first in-person ULL visit in the fall. The maps picture Paris Region at two different scales and area sections. The large overview map depicts the built-up area of Paris Region, illustrating at best fitting scale (1:17,500 ) all the regional partnering projects conducted by ULL Paris Region (Figures 1 and 2). We placed all related NBS projects at their respective locations on the map and further explained them in the legend. QR codes were also set to show where we undertook field excursions during our project exchange visit in September 2021.



*Figure 1. Walking on floor maps and scanning QR codes for project information*



*Figure 2. Discussing NBS for selected sites using floor maps as tangible tool*

We also produced an in-depth map for the municipality Aulnay-sous-Bois at a scale 1:2,500 to facilitate discussions of where depaving could be realized in close future (Figures 3a and 3b).



*Figure 3a and b. Walkable floor maps illustrating different land cover in Aulnay-sous-Bois*

Both maps were exhibited at the REGREEN Project Meeting #5 in Paris, Sept 15, 2021 and will remain with the ULL for further use. The next walkable floor maps will be generated for Aarhus ULL (2021), and Velika Gorica ULL (2022).

*Floor map prototypes produced for stakeholder workshop in ULL Aarhus*

Prior to production of the Aarhus floor maps, WP3 provided prototypes for a November workshop held by WP5 (Education, participation and awareness) and WP6 (Governance including planning systems) with Aarhus city managers, youth council members, and educators – to explore the potential use of walkable floor maps for communication, education and public dialogue. Engaging actively in envisioning how to use the floor maps, stakeholders came with many suggestions for making the maps more interactive and easier to transport. They also discussed which areas to depict and how certain selections could 1) enhance understanding of specific challenges, 2) facilitate dialogue across conflicts of interest, and 3) serve educational purposes at various levels. WP5 and WP6 will use the walkable floor maps in Aarhus to explore the democratic and dialogic potential of QR coded information produced by the municipality and by schoolchildren and citizens from different neighbourhoods and different walks of life. We will use experiences and knowledge gained from the Aarhus project to develop the production and use of walkable floor maps in Velika Gorica.



*Figure 4a and b. Floor map prototype produced for discussion at the November stakeholder workshop organized by Aarhus ULL in collaboration with WP5 and 6.*