the green roofs project in amsterdam (westelijke eilanden)

1- If you *want to build a ship, don't drum up the men to go their wood, divide the work, and give orders. Instead, teach them to yearn for the vast and endless sea.* (Antoine de Saint Exupéry)

2- What

Encouragement of green roofs construction in the cities, specifically in Amsterdam (Netherland), where the study has been focused on a particular neighborhood of it, Westelijke Eilanden.

The highest goal of the project is to improve biodiversity in the urban contexts, either in the public space, private, or the roofs. But as the ground floor is overloaded in the cities, it is wise to start being aware of the unused space in the top of the buildings and take advantage of it for this purpose. That is why the activities and actions planned are related not only to green roofs, but to every type of green space in general.

Due to the high level of mix of cultures and backgrounds in the study neighborhood, the following policy is based, in its totality, in the discovernment, promotion and development of the current green initiatives, mostly private ones (bottom-up) as the way to make individuals feel they have the control over their cities and make them eager to keep the green practice on and spread it, instead of waiting for someone from above to decide.

3- How

Through a four options policy (engagement, encouragement, exemplification and enablement).

The policy ensures the creation of a closed loop that involves a complex social network, from the most general context to the most particular - and viceversa.

This project has focused on four scales (S1 The City, S2 The Neighborhood, S3 The block, S4 The roof). Each one works in energy with the other ones, feeding them in their specific needs.

The result is meant to be an empowerment of the existing communities by both, social and spatial measures:

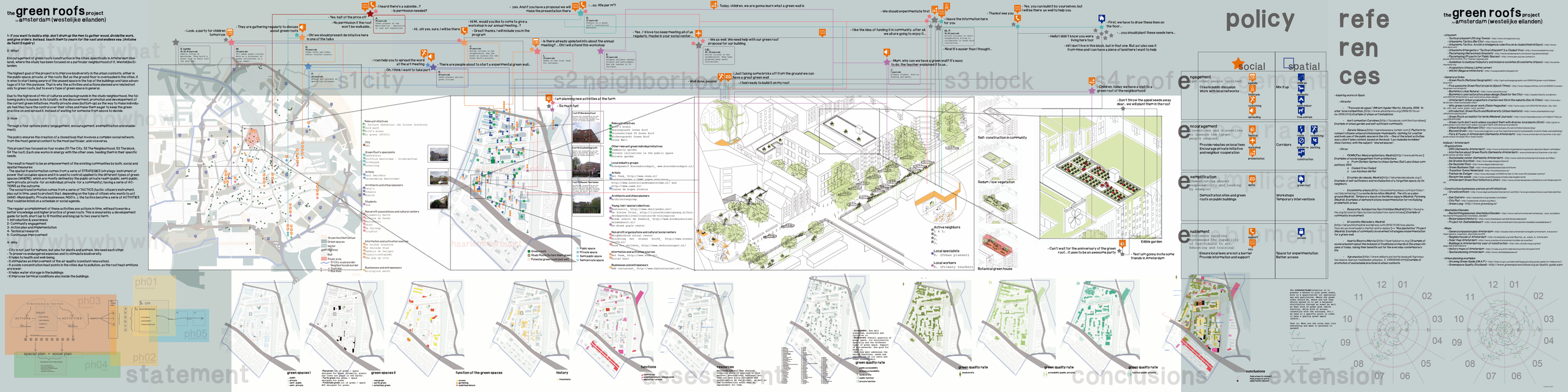
- The spatial transformation comes from a series of STRATEGIES (each strategy: non-preset urban design framework/ technique and its used to control/ update) to the different types of green spaces (WHERE), which are mostly defined by the public-private realm (public, semi-public, semi-private, private -for an individual, private -for a community), having a serie of ACTIONS as the outcome.
- The social transformation comes from a serie of TACTICS (tactic: citizen's instrument, play out in time, used to protect the) depending on the type of citizen who wants to act (WHO -Municipality, Private businesses, NGO's...), the tactics become a serie of ACTIVITIES that could be listed on a schedule or social agenda.

The regular accomplishment of these activities are actions in time, will lead towards a better knowledge and higher practice of green roofs. This is ensured by a developement guide for both, short (up to 12 months) and long (up to two years) term.

1- Introduction & awareness
2- Community engagement
3- Action plan and implementation
4- Technical research
5- Continuous improvement

4- Why

- City is not just for humans, but also for plants and animals. We need each other.
- To preserve endangered species and to stimulate biodiversity.
- It helps to health and well-being.
- It stimulates an improvement of the air quality (constant renovation).
- It avoids concentration heat points in the cities due to pollution, as the roof heat emitions are lower.
- It helps water storage in the buildings.
- It improves termical conditions also inside the buildings.


policy
social
spatial
engagement
encouragement
exemplification
enablement
Mix it up
Corridors
Workshops
Temporary interventions
Space for experimentation
Better access
s1 city
s2 neighborhood
s3 block
s4 roof
statement
assessment
conclusions
extension
references
the green roofs project in amsterdam (westelijke eilanden)
- Inspiring works in Spain
- Alicante
- "Barranco de aguas" (Miriam Aguilar Marín). Alicante 2009. "Urbe" local competition. [http://www.alicantelovesyou.org/2009/01/in-urbe-2008.html] Example of urban art installation.
- Hart comunitari Carolines [http://facebook.com/hortsraidines] Example of urban gardens and self-sufficient community.
- Alcalde Saleeza [http://alcaldesaleeza.tumblr.com/] Platform to communicate and promote participation in the city, starting for a better aesthetic use of the public spaces in the city - One of the latest activities was a short taleo created based on the book "Las ciudades invisibles" (Italo Calvino), with the subject "shared spaces".
- Otros
- PKMKPlan-Mecanoplan/Sun_Madrid [http://www.plan.es/] Examples of sustainable urbanism and architecture.
- Huerto Olympic Games to Urban Games (Salt Lake Utsan competition), 2012
- Ciudad Cruz Ciudad
- Las Azoteas del Sur
- Ecampus Autónoma, Madrid [http://ecampusautonoma.com/portfolio-cat/comunicacion/] La hoja de ecológica (Madrid). The city as playground Madrid. Temporary beach on the Moon square (Madrid). Farming in the city. Examples of permanent/ temporary experimentation for revitalizing dysfunctional areas.
- Basurama. Autoadmin San Cristóbal (Madrid) [http://basurama.org/proyectos/tipo/acciones/autoadmin-san-cristobal/] Example of community involvement.
- El huerto (Mediaterra, Madrid) [http://el-huerto-de-mediaterra.blogspot.com/2010/10/the-plants-they-are-an-downregulers-rhythm.html?m=0] "Nos plantamos" Project (Madrid). Example of community involvement strategies/experimentation for a green wall.
- Huerto Rosario (Murcia) [http://huertosalvarro.org/] Example of social urban project about the inclusion of traditional orchards in the urban citizens of today, taking their benefits out for the everyday contemporary life.
- Agromuzac [http://www.eldiario.es/murcia/huerto/ecologico/Agromuzac-Murcia-primer-huerto-ecologico_0_151284703.html] Example of promotion of sustainable practices in urban contents.
- Urbanism
- Schumacher Urbanism (Strong Towns) - http://www.strongtowns.org
- Urbanismo Táctico (Reclaim) http://www.reclaimthestreets.net/
- Urbanismo Táctico. Acción e inteligencia colectiva en la ciudad (Madrid Diario) - http://acciontactica.com/
- Urbanismo Emergente o "Tactical Urbanism" (La Ciudad Viva) - http://www.laciudadviva.org
- Pachamanga (Networkcast/Urbanism) - http://networkcast.com/tv/pachamanga/
- Urbanismo Táctico (Ciudad Emergente - Sevilla) - http://www.ciudademergente.com/urbanismo-tactico-sevilla-ciudad-emergente/
- Guidelines to bulldoir tropicalory and inclusive societies (Ecosistema Urbano) - http://ecosistemaurbano.com/
- Arquitectura Líquida (Jaime Lerner)
- HEAC (illegal architecture) - http://ilegalarchitecture.blogspot.it/
- General articles
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- Five awesome Green Roof projects (Grists Times) - http://www.treehugger.com/cool-green-science/five-awesome-green-roof-projects.html
- Biomimicry (Jan Nukuri) - http://www.janenukuri.com/
- Biomimicry and restorative urban design (Seed for the City) - http://seedsforthecity.wordpress.com/2012/04/biomimicry-and-restorative-urban-design/
- Amsterdam Urban ecosystem creates new life in the suburbs (Dez & Cities) - http://www.dezeen.com/2012/10/30/amsterdam-urban-ecosystem-creates-new-life-in-the-suburbs/
- Why green roofs never work (Robin Megahey) - http://www.robin.co.nz/2010/10/10/why_the_mythical_green_roof_never_work/
- Introduction 'Green Roofs and Biodiversity' (Urban Habitats) - http://www.urbanhabitats.org/v01n01/introduction_full.html
- Green Roofs as habitat for birds (Masked Journal) - http://www.maskedjournal.com/culture/green-roofs-as-habitat-for-birds
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- Urban Ecology (Michigan City) - http://www.in.gov/dnr/naturepreserve/files/urbanecology.pdf
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- Flora & Fauna of Amsterdam (Ophemerts Amsterdam) - http://www.ophemert.com/en/flora-fauna-of-amsterdam/flora-fauna-faster
- Holland / Amsterdam
- Organizations
- Groene Hoven Amsterdam! - http://www.amsterdam.nl/gemeente/organisatie-diensten/dienst-ruimtelijke/groene-hoven/
- Information about Groene Hoven Amsterdam! - http://www.amsterdam.nl/gemeente/organisatie-diensten/dienst-ruimtelijke/groene-hoven/
- Urban Nature Center (Gemeente Amsterdam) - http://www.amsterdam.nl/veelgevraagd/?productid=(4ED4E2A3-F5A0-4E0A-A1A1-A0A0A0A0A0A0)
- De Groene Stroken - http://www.degroenestroken.nl/
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- Construction businesses and non-profit initiatives
- De Groene Dakdekker - http://www.degroenedakdekker.com/index.php?option=com_content&view=article&id=2&Itemid=3
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- Agromuzac
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- Urban Agriculture Notes - http://www.cityfarmer.org/UrbanAgNotes.html
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