



DNKSTFsessions

Re_campus - Manaus, Brazil
3 October 2019

DNKSTF

Denkers met ruimte

DNKSTF session

DNKSTF is a research agency specialized in complex urban problems, real estate development and city transitions. Every year **DNKSTF** organizes a creative session. On 3 October this year thirty experts from The Netherlands came together to share their insights about urban planning and city development.

The DNKSTF session started with a presentation by guest speaker **Dominic Schrijer**, former Mayor of Zwijndrecht and council member of the city of Rotterdam. Dominic gave us his view on vital coalitions, pointing out the importance of balance between stakeholders around urban transformations.

As one of those shareholders and partner of DNKSTF, **Casper Witteman**, presented us how to create a community in an obsolete building. In 2013 DNKSTF created the concept **MOOOF** - a center for sport, dance, music and (para)medics. This multifunctional center revived the building and revitalised the surrounding areas of The Hague. With currently almost 200 companies and tenants being part of MOOOF, the concept is a great success.

Data is very important while creating a concept. Working on a concept DNKSTF always starts with gathering information about a building, area and city. Next to this hard data, DNKSTF gathers important information about the shareholders, companies and initiatives who populate the neighbourhood. How? By using our special information collecting tool: The **Fietzerria** - a pizza oven bike! During the DNKSTF session we showed this way of information gathering in exchange for pizzas.

After the break it was time for the experts to work on the case. This year we choose the stadium of **Manaus** (Brazil) as subject. Built for the World Cup 2014, this stadium is currently empty and its maintenance costs are extremely high for the city. We invited a special guest from Manaus to give us his perspective about this case.

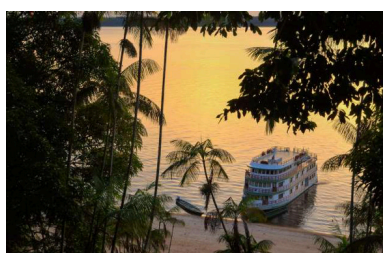
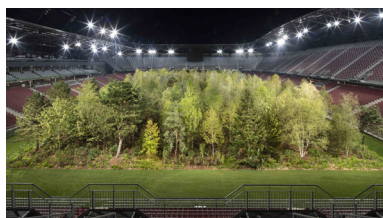
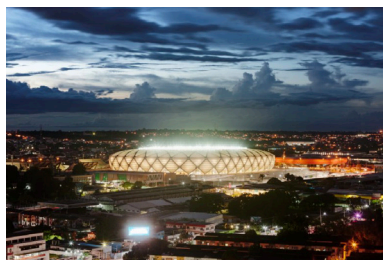
Mauricio Rocha Carvalho, architect and professor in Manaus, introduced the case with an inner view from the city Manaus and its historic and current issues. Based on this information, together with the briefing about the case, the participated experts started the DNKSTF round: the creative brainstorm session. In groups we shared our insights and ideas. These ideas formed the basis for the concept created by DNKSTF.



DNKSTF round

DNKSTFround (in Dutch DNKSTFronde) is a small version of the official **brainstorm session**, which DNKSTF normally organizes in order to create ideas. DNKSTF loves unsolved urban problems, triggering us to think out-of-the-box and creating unique concepts that matters.

During the DNKSTFround on 3 October, we pushed creativity and ideas forward. During this golden hour, a lot of ideas were created for the **re-use of the stadium**: latex carnival, hunger games, fancy prison, and aquarium were some of the ideas that came along. We asked the groups to present their best ideas to the audience:



MOOOOF XXL

MOOOOF XXL proposes a **multifunctional center** in the stadium of Manaus. The perfect crossover between sport, culture, and entertainment. The same synergy achieved in MOOOOF - The Hague, but in a larger scale. Big enough for the 2 million habitants of Manaus.

Gardens of Manaus

Despite being the metropolis in de jungle, green parks in Manaus are hard to find. Gardens of Manaus wants to change that, using the stadium as an **indoor park**. This park combines different functions around climate, education, commercial and sports. A nice place to rest, meet up and cool down at the heart of Manaus.

Serenade of Manaus

40 Percent of Manaus' population are involved with native folkloric dancing. The pride of the amazon culture is vivid in the city. Let's use that spirit!

The idea is to develop a Serenade of Manaus in the stadium. A **year-round show** exposing this precious culture and their inhabitants. Broadway in the jungle!

Call the Chinese

Inter Milan, Manchester City, Atletico Madrid, Olympic Lyon, AC Milan, these are some of the best football clubs in the world. All of them in the hands of the Chinese. Chinese-owned clubs are a big trend in Europe. The local football club of Manaus, Nacional, uses the stadium only every now and then. Instead of re-using the building, why not **give a boost** into the local football team? History has proven it, just call the Chinese!

Urban farming

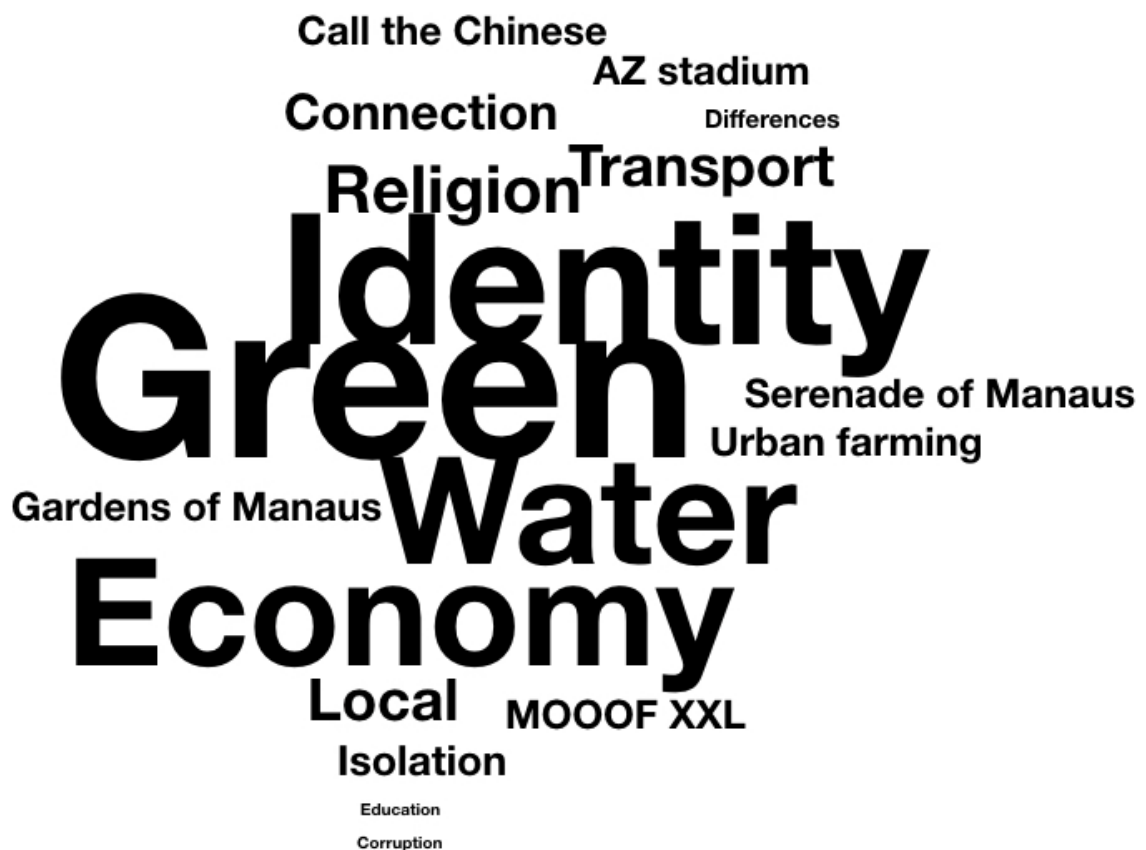
Manaus is an isolated city located in the tropical rainforest and next to the Rio Negro river. Food resources needs to be imported and have to travel long distances to get to the city. Organising a sustainable local **farming production** could improve de resources in the Manaus area. The stadium could be useful as center for food production and knowledge, and becomes a botanical garden used for recreation.

Retour Europa

The Arena of Manaus is a stadium assembled in Manaus, but manufactured in different cities around the world. Even in Portugal!

Since the World cup and the Olympics are over, we could finally resell the Stadium to Europe. A club like AZ (located in Alkmaar, The Netherlands) will definitely be interested in a new stadium.

By **selling the Stadium** and transfer it back to Europe, Manaus could re-invest the funds in education, healthcare or at the waterfront!



Data processing

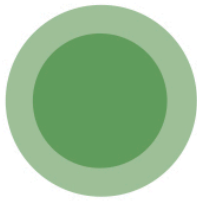
Using all the information gathered during the DNKSTF session, DNKSTF continued the process of creating a concept for the Stadium of Manaus. During the creative brainstorm hundreds of post-its with **single words** were developed. These words all had anything to do with the stadium, the city, country, anything that the experts could think of. 'Green', 'identity', 'water' and 'economy' were some of the most spoken subjects/themes during the session and these words formed the basis for the six created ideas. Other aspects like 'connection', 'religion', 'local initiatives' and 'isolation' were also pointed out.

In total we gathered:

- 61 notes
- 33 thoughts
- 26 ideas
- 6 proposals

Sometimes the best ideas are hidden, and go unnoticed during a brainstorm. That's why we always use all the input developed. After a session we register all comments and ideas. Using different clustering techniques we can easily connect "lost" ideas to concepts, making them richer and sharper.

One of those terms that caught our attention is '**cycle**'. This word came back in the briefing, the presentations, the created ideas and the talks we had with the participating experts.



1.
Isolated city
Manaus now



2.
Autarky city
Preston model



3.
Example city
Manaus

Circular City Manaus

'Isolation' is also a term that caught our attention. Why not using the geographic **isolation** of Manaus as strength for the city's vision of the future?

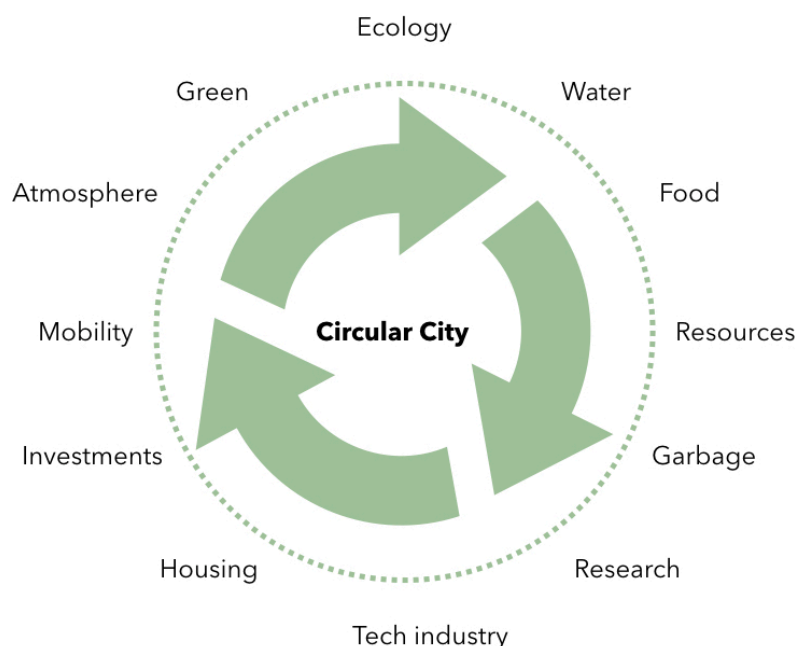
Looking back at the needs and issues in Manaus, we believed that great opportunities can be found around this **autarkist** vision. Therefore it is essential to start thinking and acting in a circular way.

There are different aspects that contribute to this unique way of living. For example the cycles of the forest, the river, the economic and urban development. If we manage to fulfill some of those cycles, we could achieve a lot for the city and its inhabitants.

A good example of this autarkist model is the city of Preston, England. The developed economic model keeps the money inside the city. The **Preston Model** favors local enterprises and empowers the inhabitants. All the money earned within the city is also spent there. It's a closed cycle.

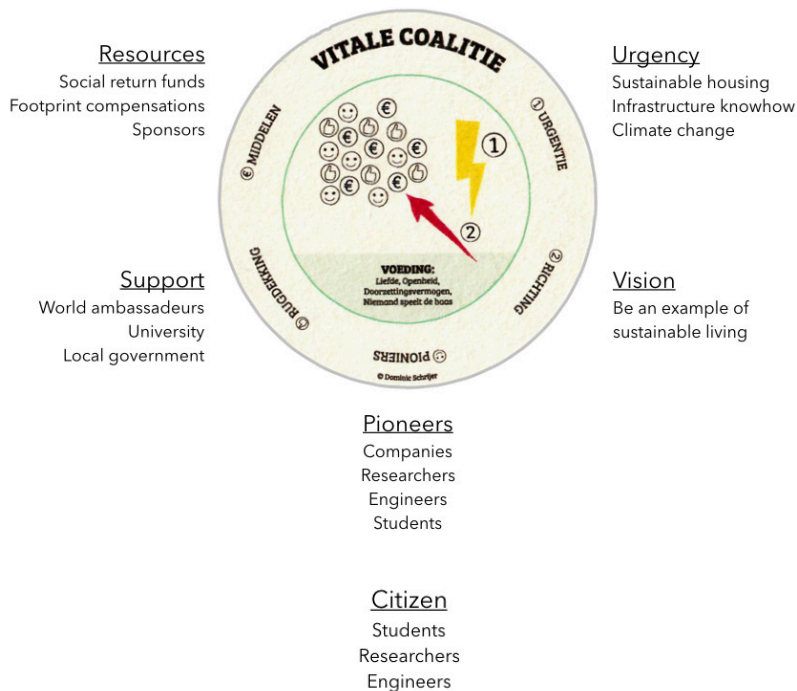
Due to its isolated location, high profile industry, rich ecological resources, strong cultural identity and position for research and experiment, we believe that Manaus has everything to become a successful autarkist city. Independent from the outside world, managing its economy in a circular way, using urban planning and natural resources. It's all about **closing the cycles**: ecology, economy, waste, and resources.

Manaus could develop its own model of circularity, and if developed well, maybe in 10 years time Manaus can be the most autarkist city in the world, serving as **example** for other cities.



Implementation Circular city

Guest speaker Dominic Schrijer talked about the importance of forming a vital coalition between stakeholders. This coalition is essential for the implementation of **big scale** urban transformations. The circular city of Manaus is one of those transitions.



In order to create a vital coalition for Manaus, we need to take into account 5 conditions: Urgency, Vision, Pioneers, Support, and Resources. Based on all the information gathered during the DNKSTF session, and the vision that we want to create a city that uses different cycles, we can fill in the 5 conditions for Manaus:

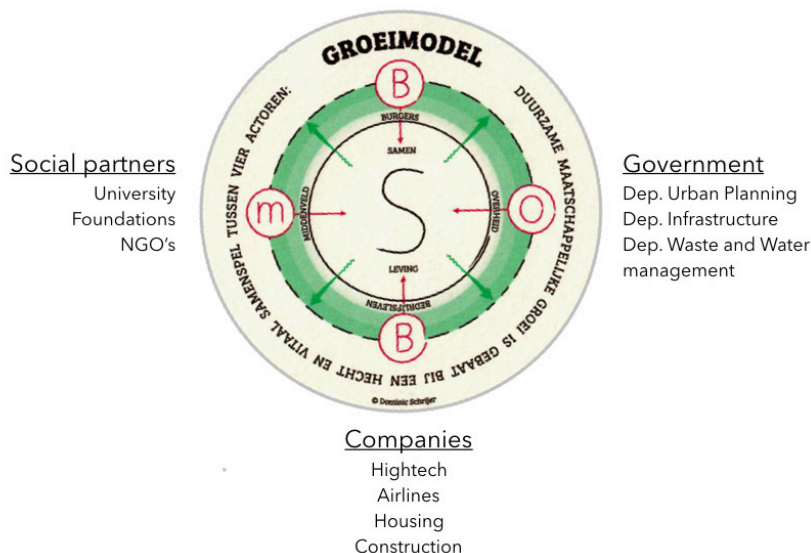
Urgency - Climate change, housing problem, stadium problem

Vision - Sustainable living

Pioneers - Companies, artists, and researchers

Support - National and international politics/companies

Resources - Preston Model, funds for sustainable living, private funds



Besides these 5 conditions, Dominic's vital coalition model is also based on the balance between 4 actors in society: Civilians, Government, Companies and the Social Partners.

For Manaus those would be:

Civilians - Natives, immigrants, tourists, and students

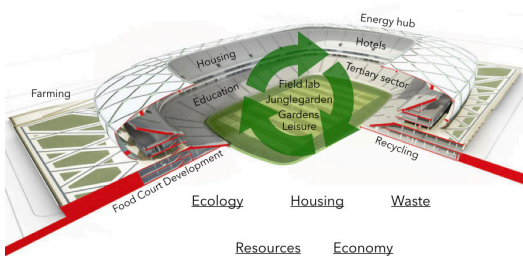
Government - City government

Companies - High-tech companies, farming, city developers, recycling companies

Social Partners - Universities, Sustainable organisations

To transform Manaus into a circular city, we need an **iconic project** that underlines this vision of sustainability and circularity. The stadium of Manaus is a perfect place for this showcase project. Transforming it into a place where housing, recycling, education, leisure, and ecology comes together in a totally integrated circle of use and maintenance.

This all brings us to the idea created by DNKSTF:



Re_Campus

Student sustainable living

A field-lab for **future living**, usefull for testing new ideas and experimenting with new technologies around sustainable environments.

For example developing new housing or smart infrastructure solutions. Also local farming production, water and waste management, and healthy living are also possibilities inside the Re_Campus.

A place to **share knowledge** about production, planning, and implementation of the circular city. Besides learning and experimenting, the Re_Campus is also a small autarkist vil-lage itself.

Who better to live in this village and test those ideas than **students**. They are young, open-minded and will become the future of Manaus. They will be the perfect ambassadors of sustainable living in the circular city.

The stadium of Manaus will be an **academy**, inspiring new generations and changing the way of living.