

Considering the needs of employees: A Mobile Mobility Hub for Cyclists

CHIPS Projektmanagement
Regionalverband FrankfurtRheinMain
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Interreg

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- Frankfurt Airport is one of Europe's main mobility Hubs and one of Germany's biggest employment poles with over 80.000 employees working 24/7
- How to raise awareness for cycling and sustainable modes commuting at this choke point?
- How to identify pulling factors for cycling at the airport?



Frankfurt **Motorway**
360.000 Cars/day



Frankfurt **Airport**
160.000 Passenger/day



Frankfurt **Main Station**
450.000 Passenger /day

- Cycling potentials for airport area

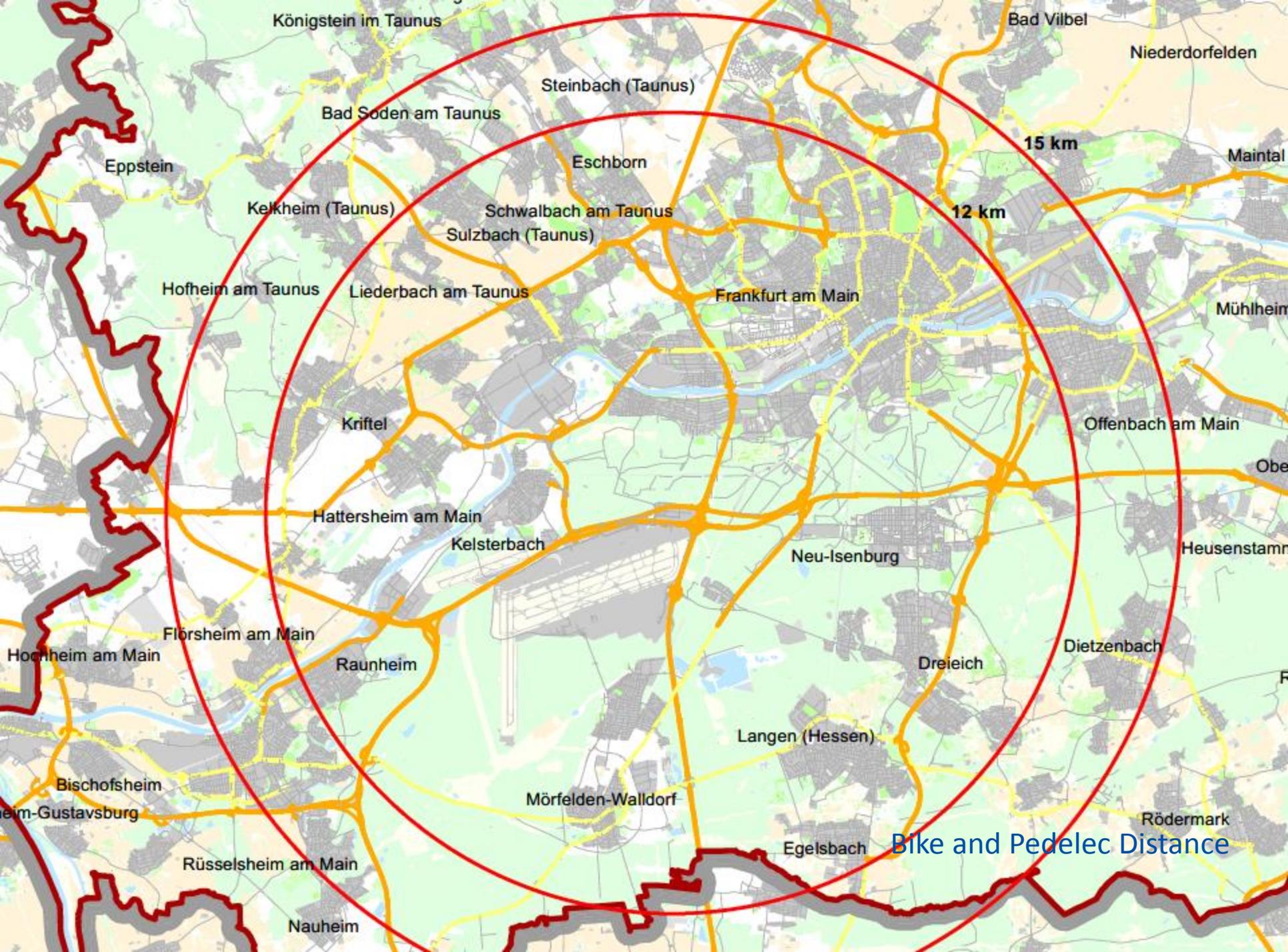


Beschäftigterhebung am Flughafen Frankfurt

Der Frankfurter Flughafen ist mehr als nur internationaler Verkehrsflughafen und Deutschlands Tor zur Welt. Er ist auch eine einzigartige Arbeitsstätte, die auf immer mehr Menschen eine Faszination ausübt und zu ihrem Beruf wird. Das belegen auch die neusten Zahlen der Beschäftigterhebung für den Flughafen. Zum Stichtag 31. Dezember 2015 arbeiteten 80.966 Mitarbeiterinnen und Mitarbeiter am Airport – so viele wie nie zuvor. Damit untermauert der Frankfurter Flughafen erneut seine Position als größte lokale Arbeitsstätte Deutschlands. Die interaktive Grafik gibt einen Überblick, auf welche Branchen sich die Jobs verteilen. Einfach mit der Maus auf das + neben der jeweiligen Branche fahren und es öffnet sich eine kurze Info dazu.



* Weitere 1756 Beschäftigte arbeiten in verschiedenen Dienstleistungen und Branchen wie Autovermietungen, Touristik oder der Gebäudetechnik. Stand der Erhebung: 31.12.2015.





How to connect two wheels with two wings?

- „Cycling to the Airport“ working group
- Concept „Cycle-friendly Airport“

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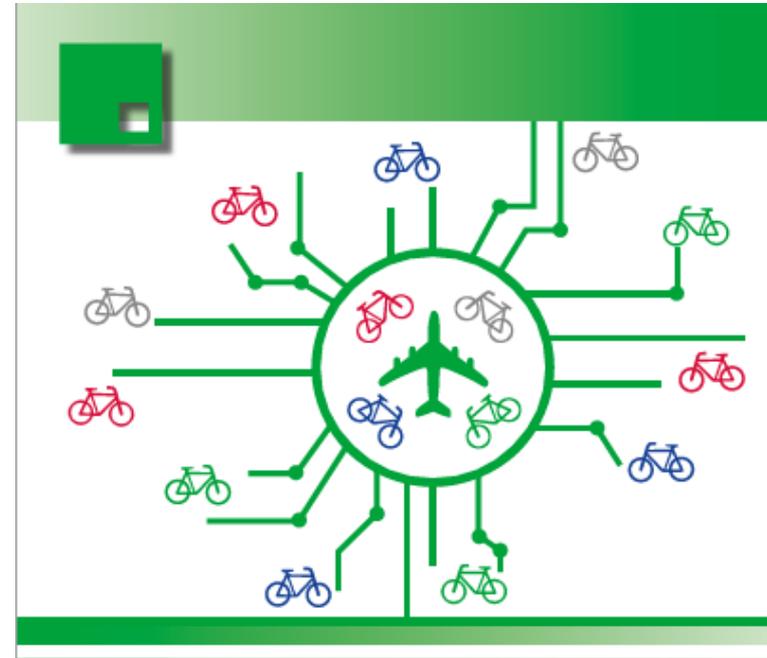
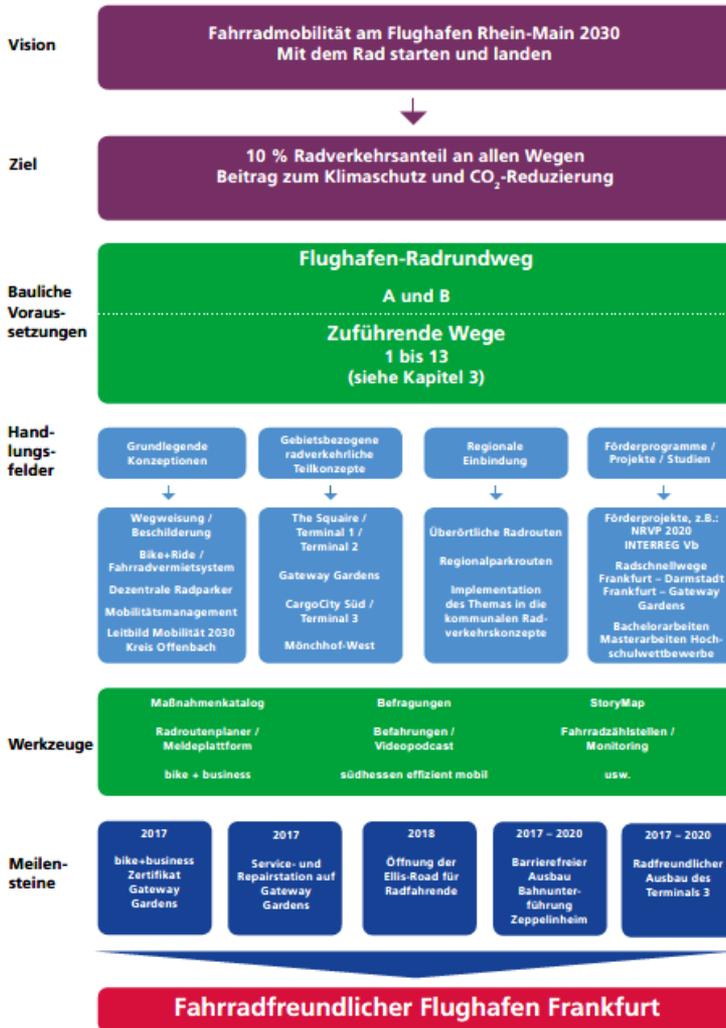


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2. Leitbild 2030: Mit dem Rad am Flughafen starten und landen



Mit dem Fahrrad am und zum Flughafen Frankfurt

Erster Bericht des Arbeitskreises »Radanbindung an den Stadtteil Flughafen« des Regionalverbandes FrankfurtRheinMain



- How to increase modal share of commuting by bike to the airport?
- Identifying barriers for cycling at the airport



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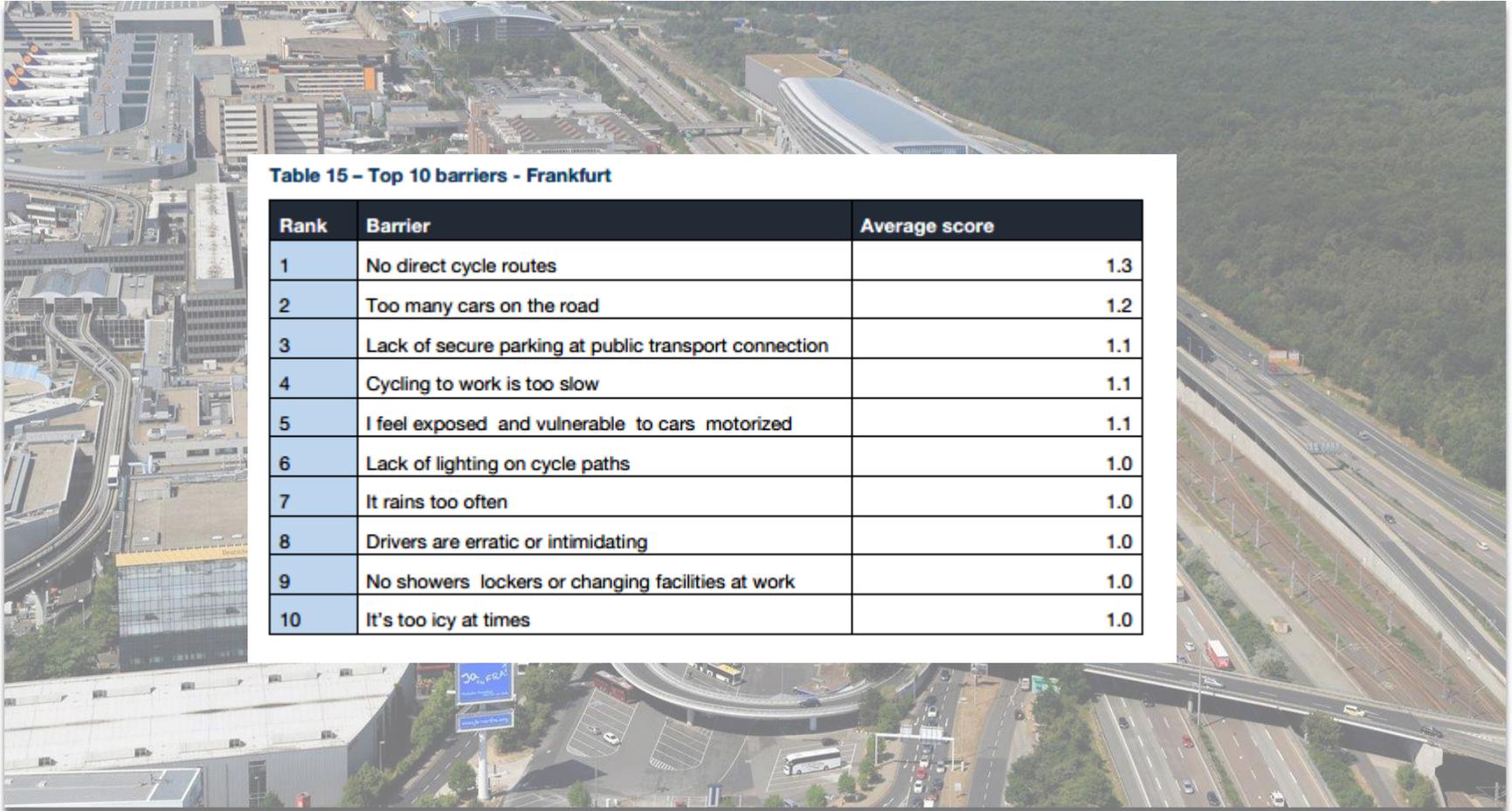
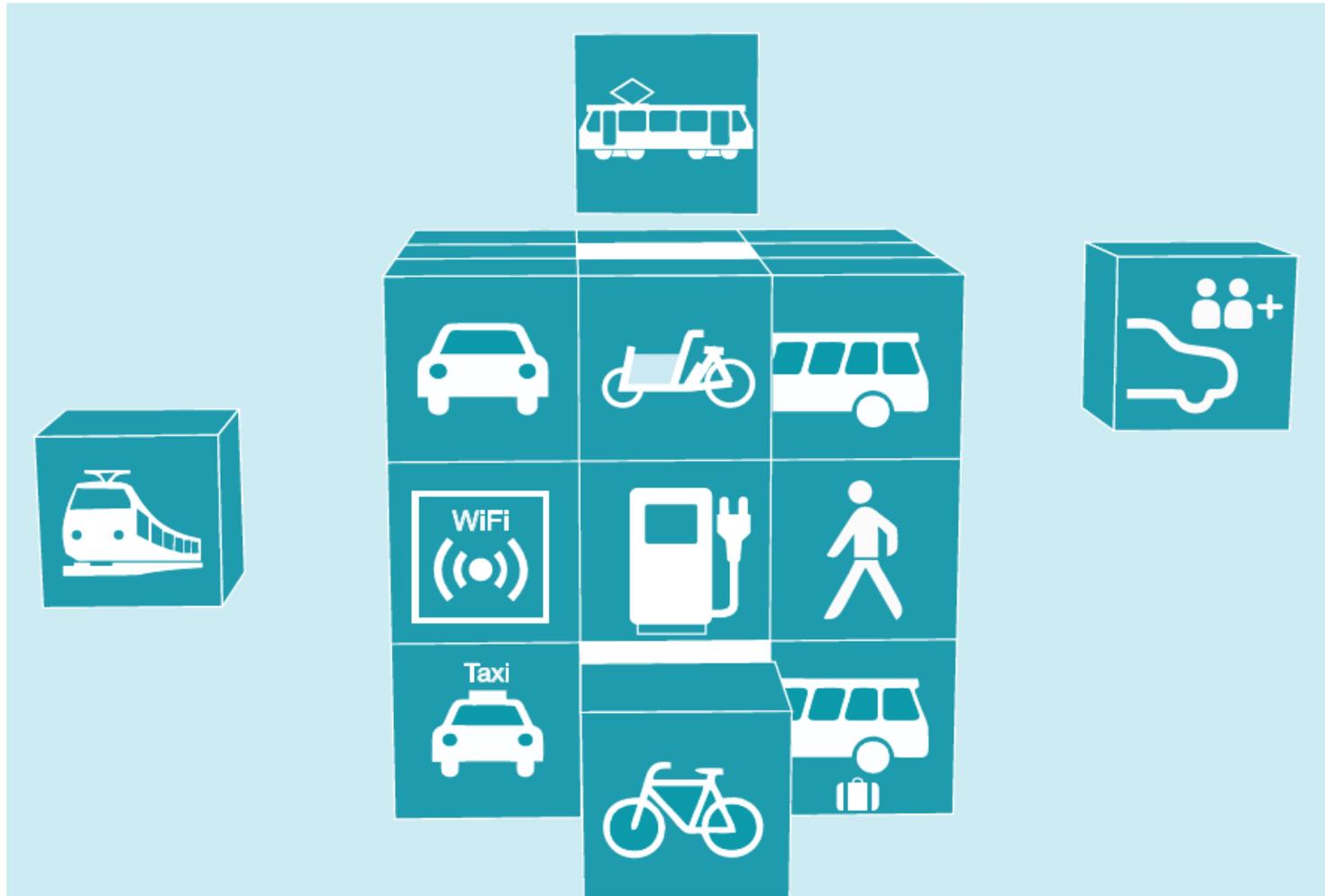


Table 15 – Top 10 barriers - Frankfurt

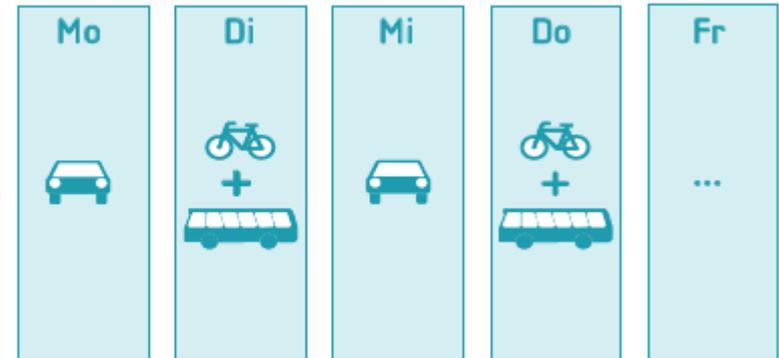
Rank	Barrier	Average score
1	No direct cycle routes	1.3
2	Too many cars on the road	1.2
3	Lack of secure parking at public transport connection	1.1
4	Cycling to work is too slow	1.1
5	I feel exposed and vulnerable to cars motorized	1.1
6	Lack of lighting on cycle paths	1.0
7	It rains too often	1.0
8	Drivers are erratic or intimidating	1.0
9	No showers lockers or changing facilities at work	1.0
10	It's too icy at times	1.0

- Innovative mobility stations for new demands



Connecting different modes of transport

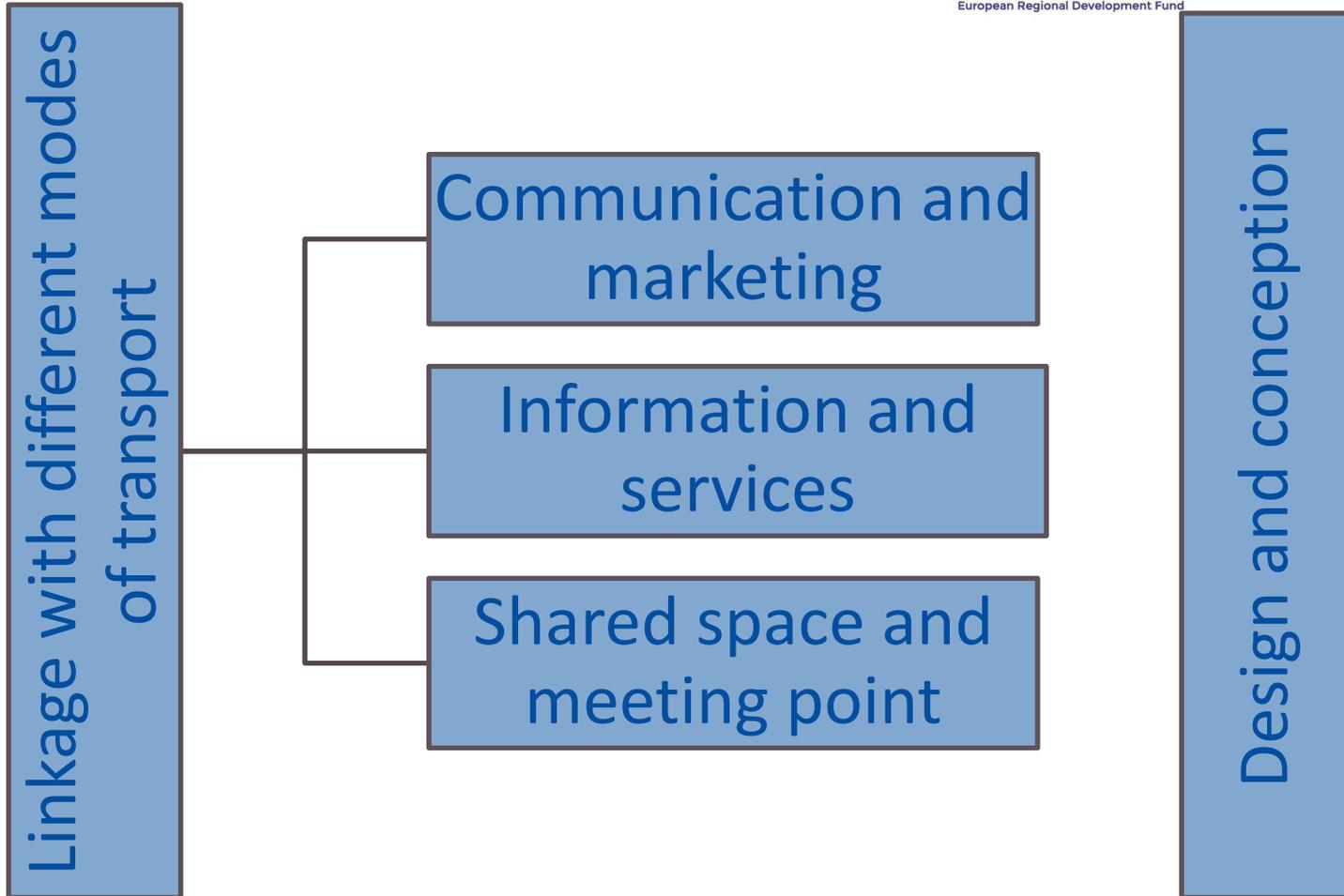
- **Multimodal Transport**



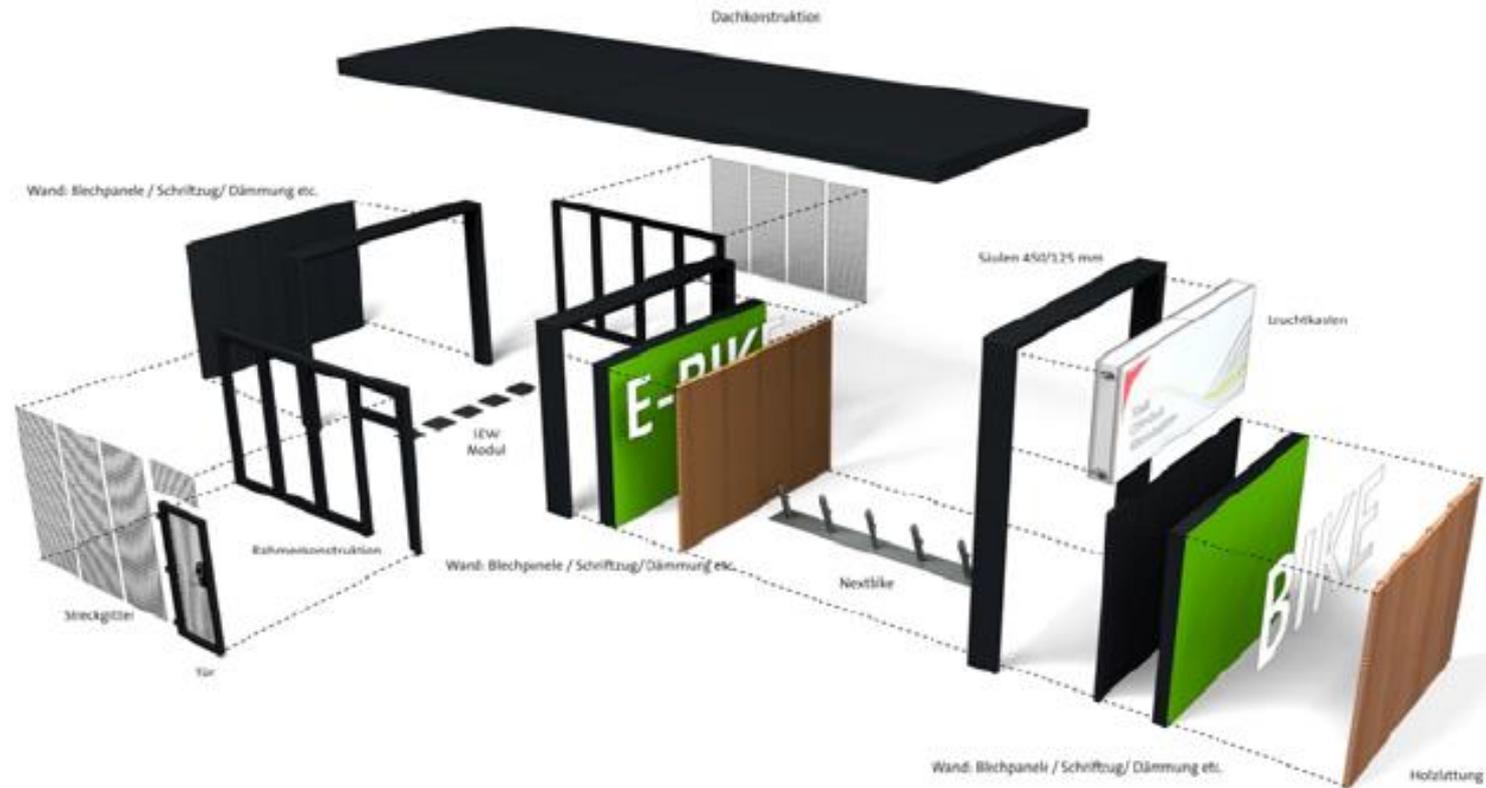
- **Intermodal Transport**



Requirements and function



Requirements and function



Requirements and function

Linking different modes of transport



Requirements and function

Provides functional structures



Requirements and function

Opens spaces for communication,
services and information



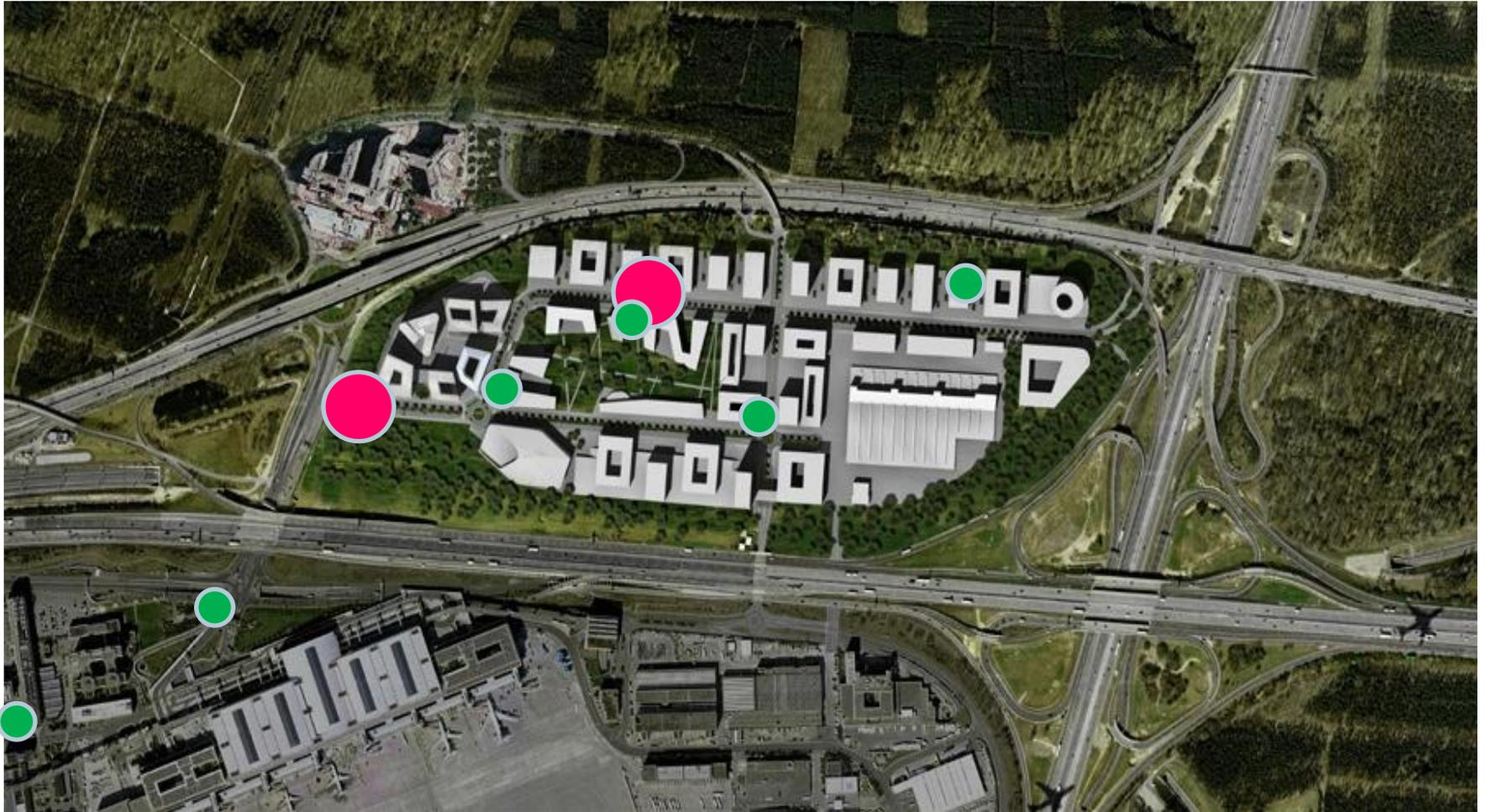
Innovation and development process

Cooperation with higher education



„University of Applied Science Frankfurt“
„Hochschule für Gestaltung Offenbach“





Mobile Mobility Hub



Smart Bike Lockers and Bike Stands

Y(our) Hub

Y(our)HUB

Laura Krämer

MobilityHUB for Cycle Highways



Y(our) Hub

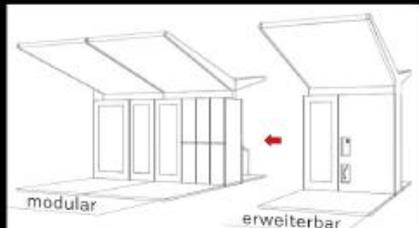


Y(our) Hub

Y(our)HUB

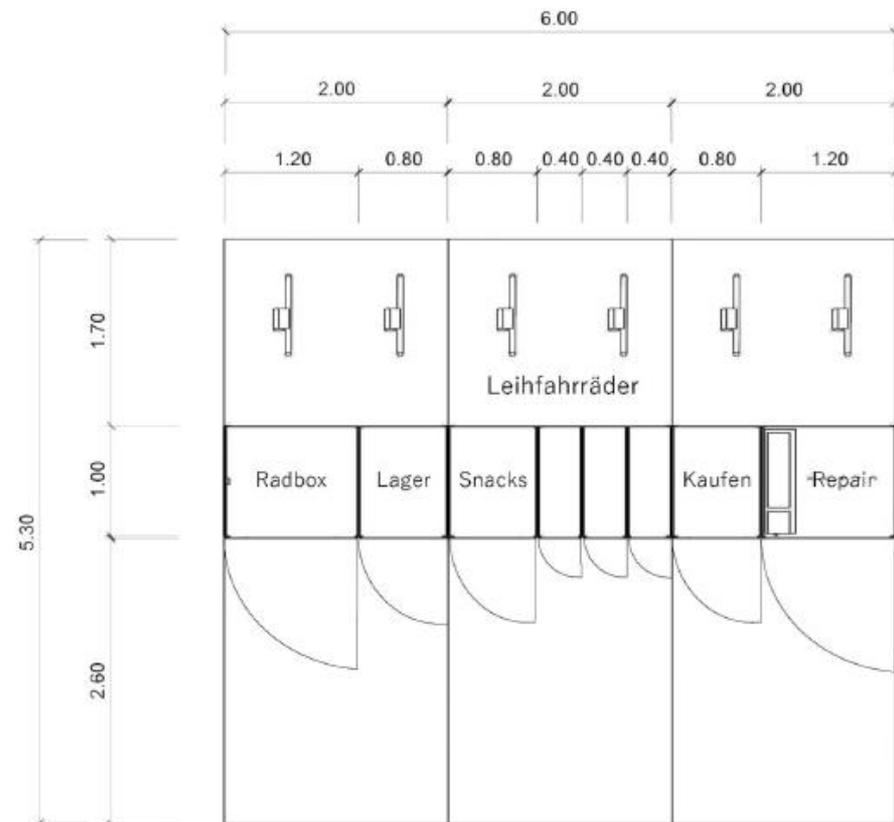
Laura Krämer

Under a light and glooming roof YHub offers a two-sided modular set of services, including a repair box, self-repair tools, lockers plus information for cyclists and people who wants to rent a bike.



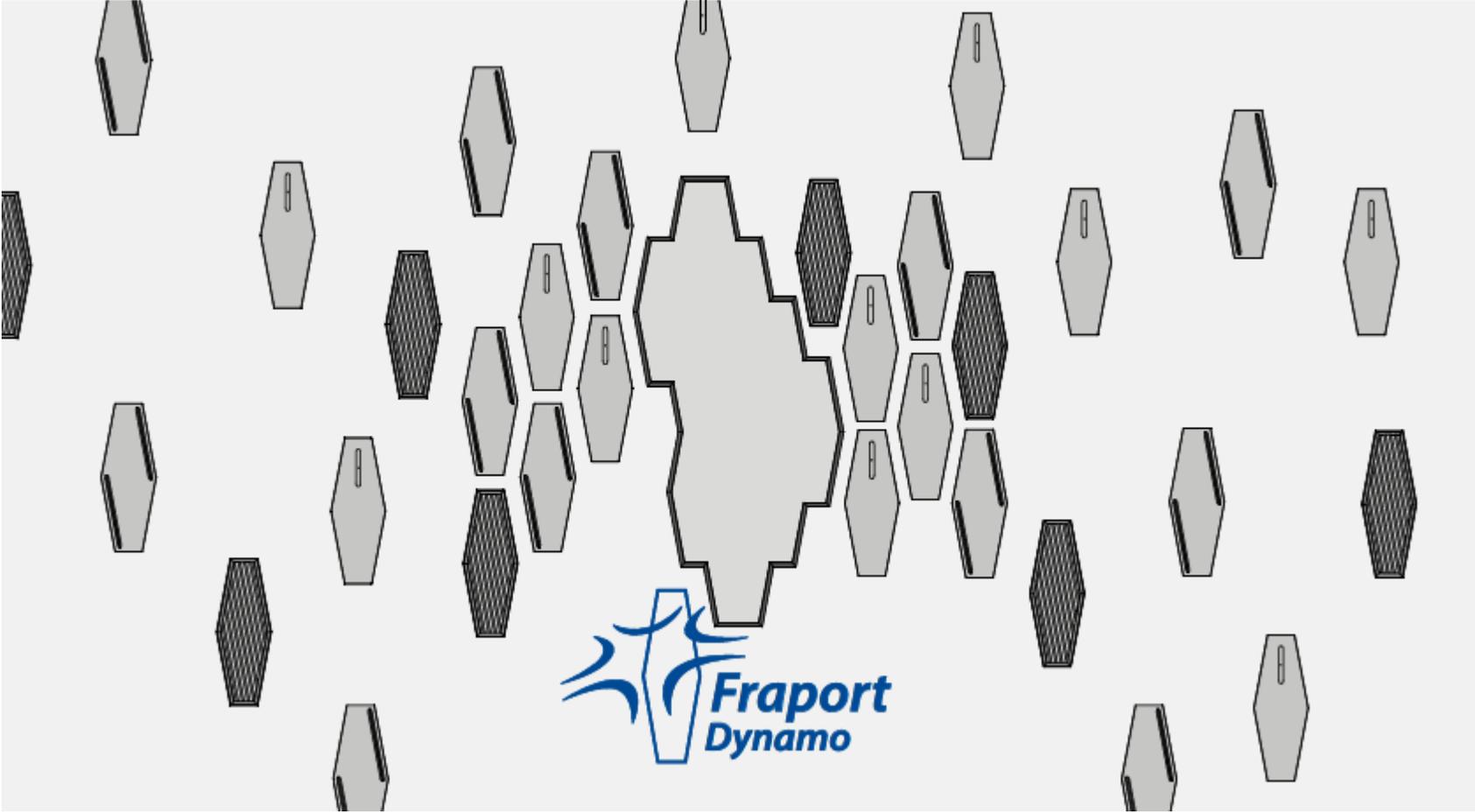
FRA-UAS Studio Prof. Claudia Lüling
Frankfurt University of Applied Sciences

MobilityHUB for Cycle Highways



Dynamo

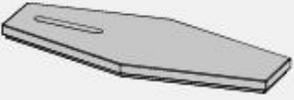
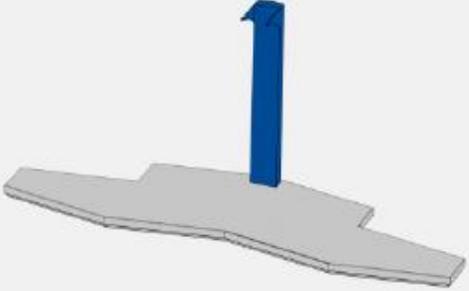
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Dynamo



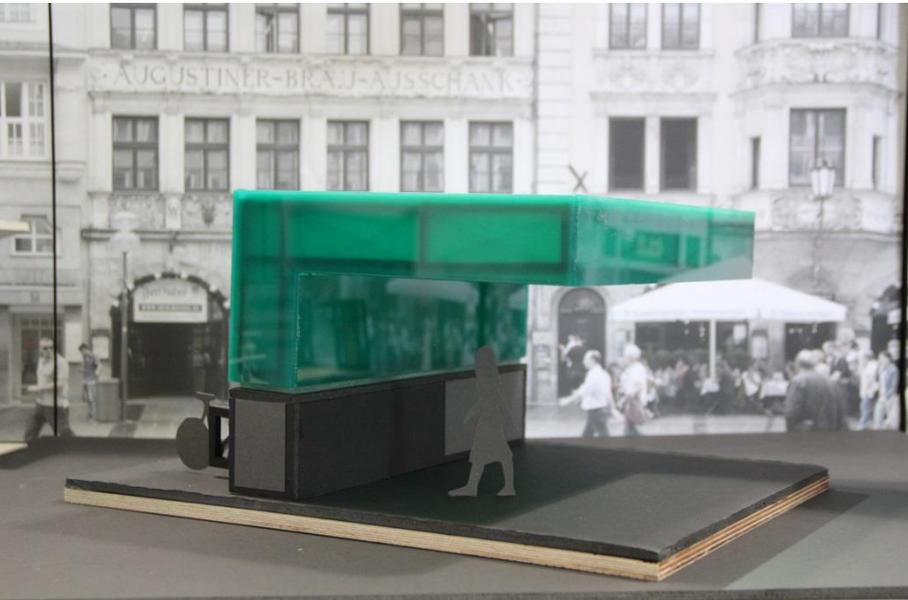
Dynamo



Radfahrbahn



Mobility Hub



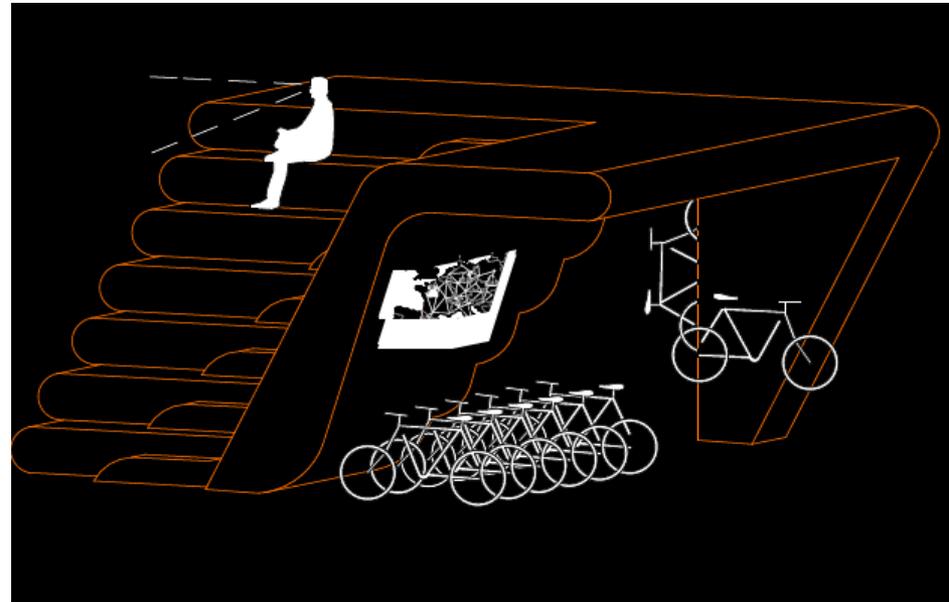
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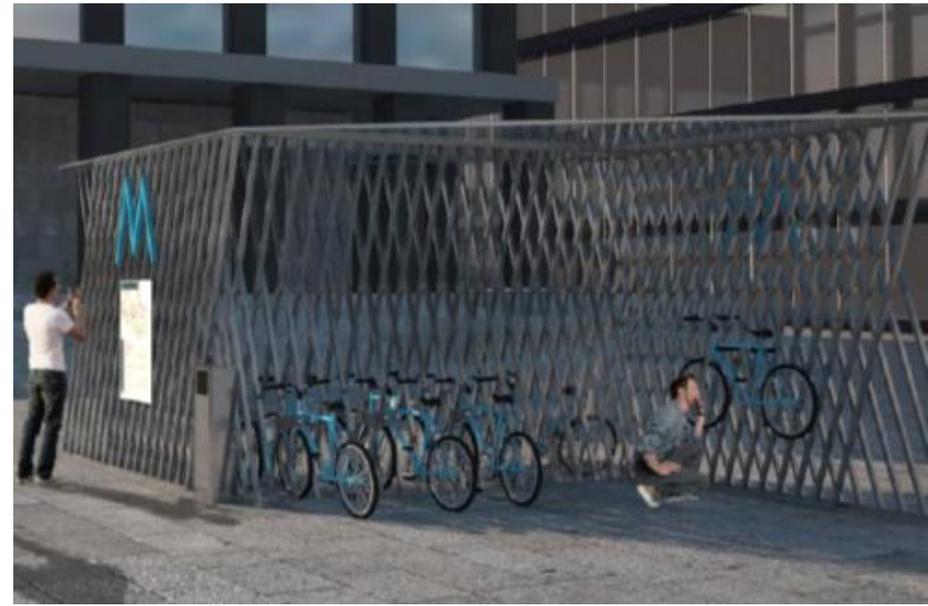
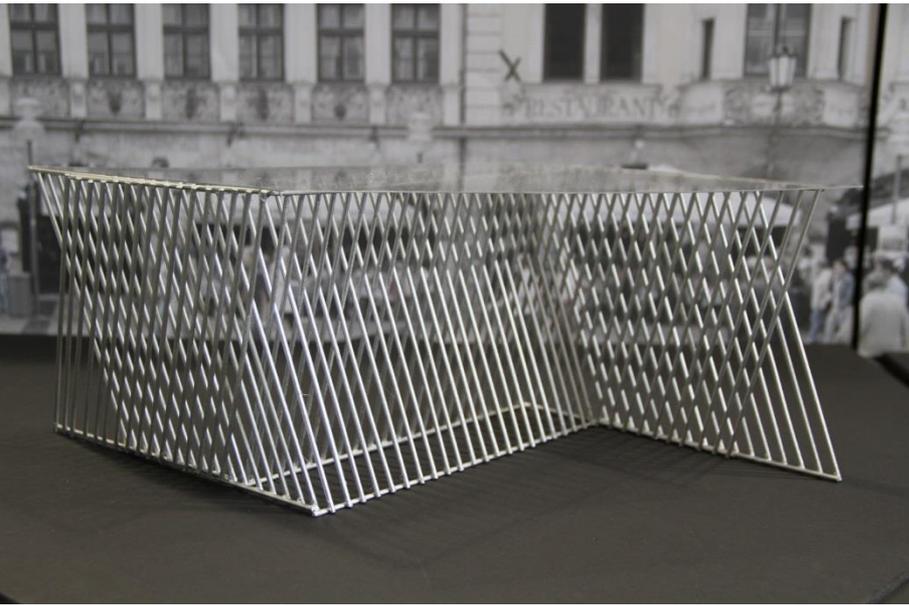
Islands



Climb Hub



AluCycle



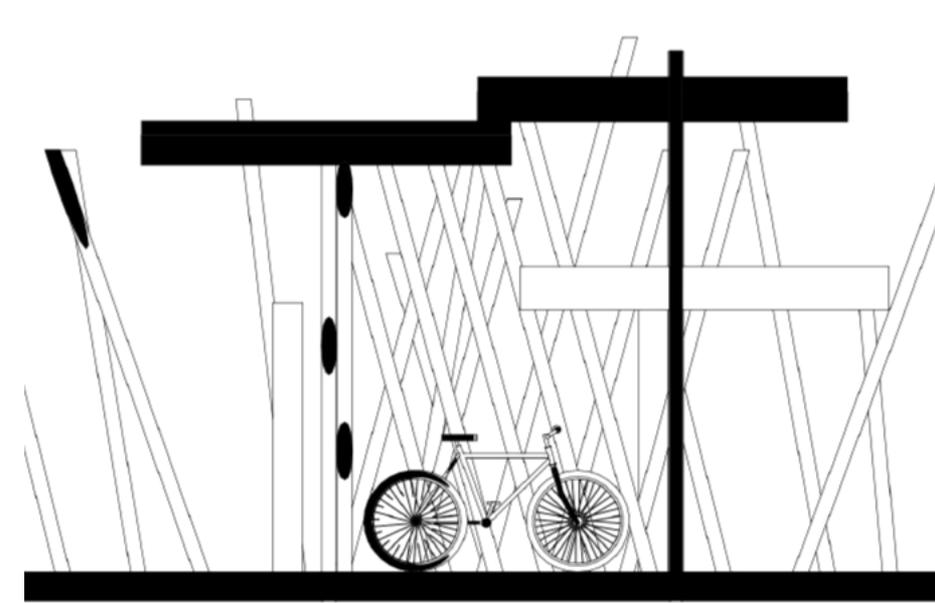
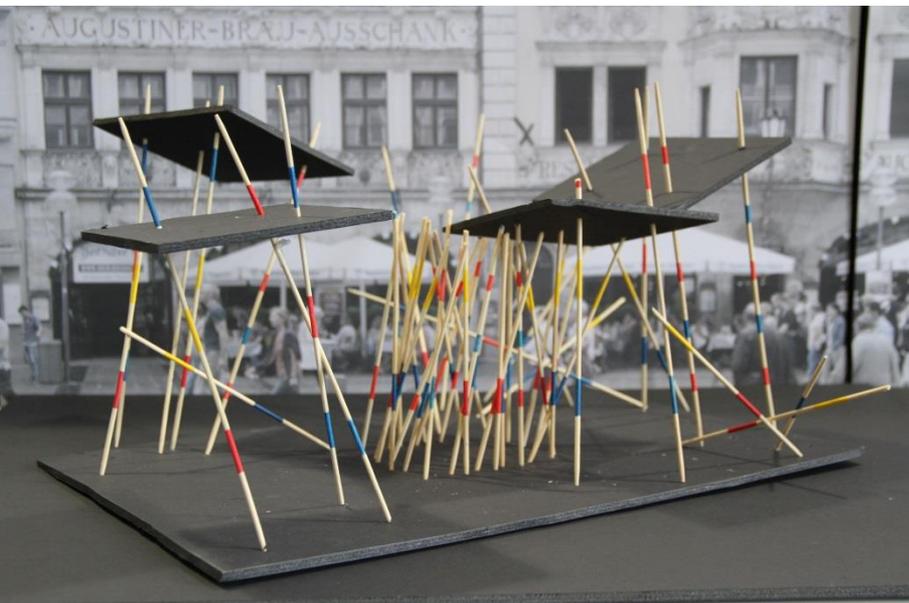
Interactive Hub



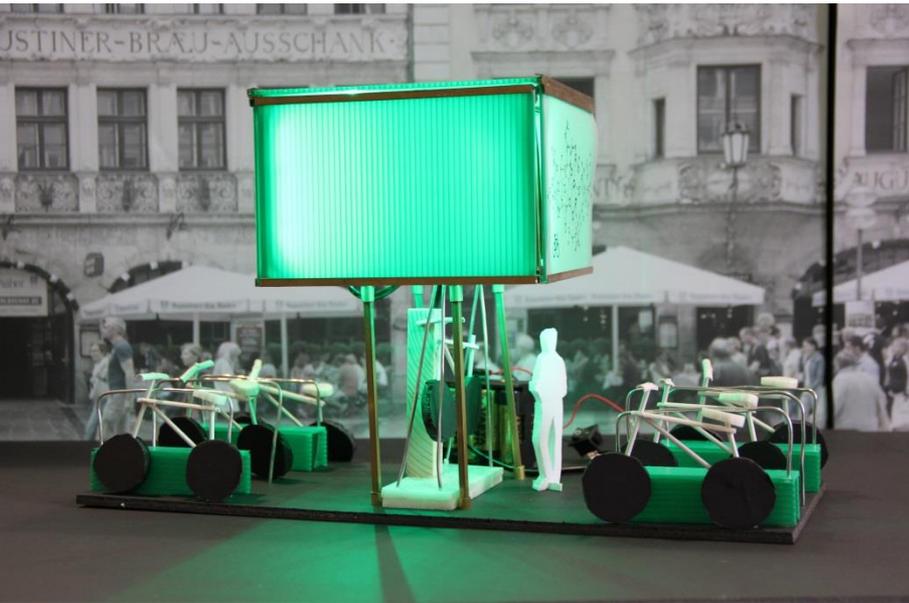
Meta



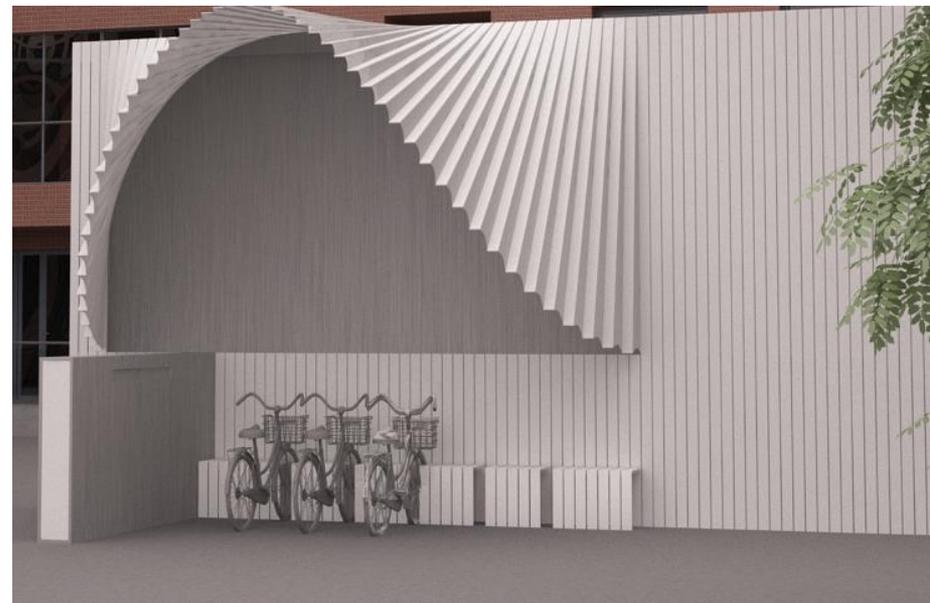
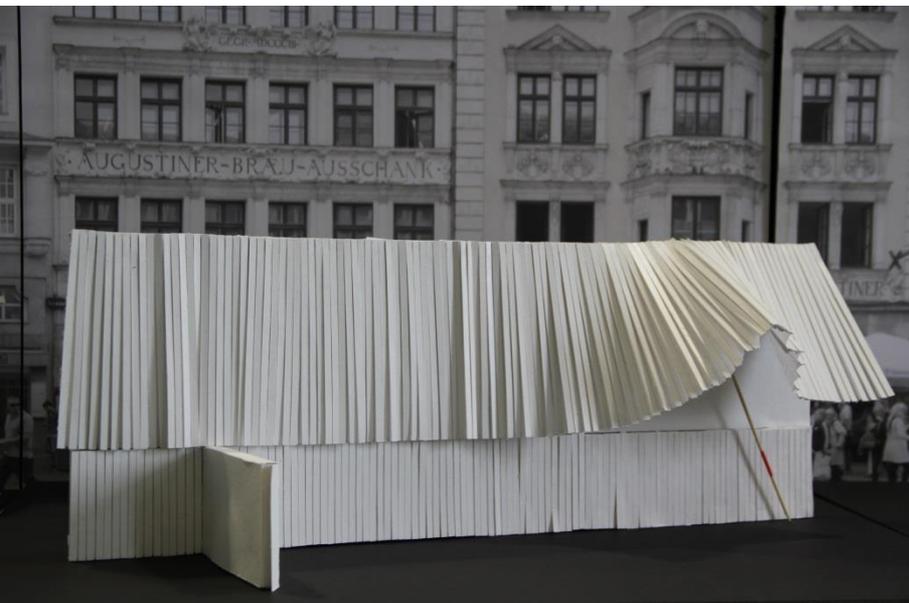
Mikado Hub



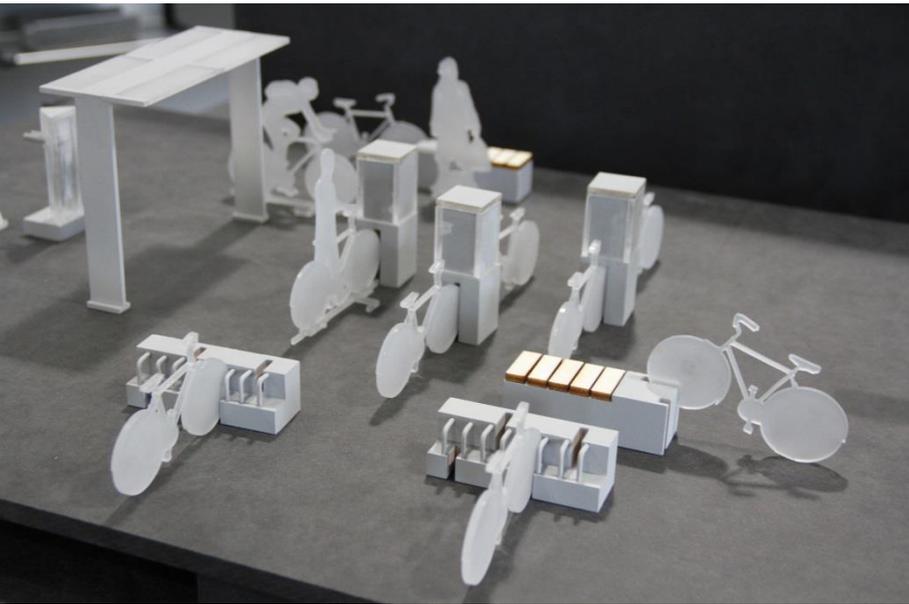
Mobili Tree Hub



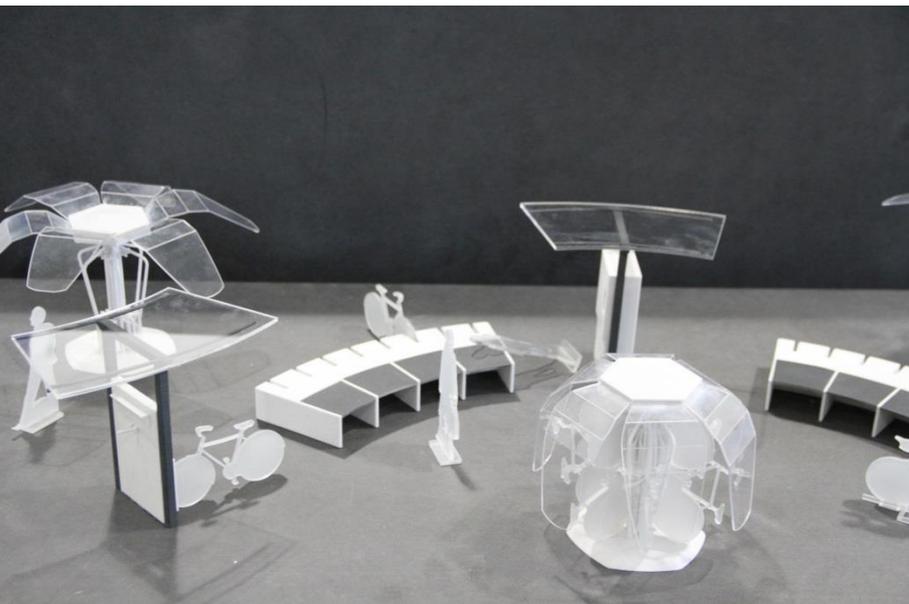
Soft Hub



Tsumiki



Tulip



Innovation vs. Realization



Considering: “the
barriers of cooperation”

Innovation vs. Realization

- How to meet mutual expectations within a project and development process? (Stakeholder Structures & airports as challenging locations)
- Experiences for practical implementation
- How to realize innovative concepts? (Innovation vs. Planning & Realization)
- Taking responsibilities into account (Operation & Maintenance)

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Thank you!