

# Ansterdam, the Natherlands

Emily Huang '17

### what is net abolic?

- a systems consulting and cleantech development firm
- advise industries/non-profits/government on the transition towards a circular and sustainable economy
- has three divisions: consulting, technology, ventures

• part ners:



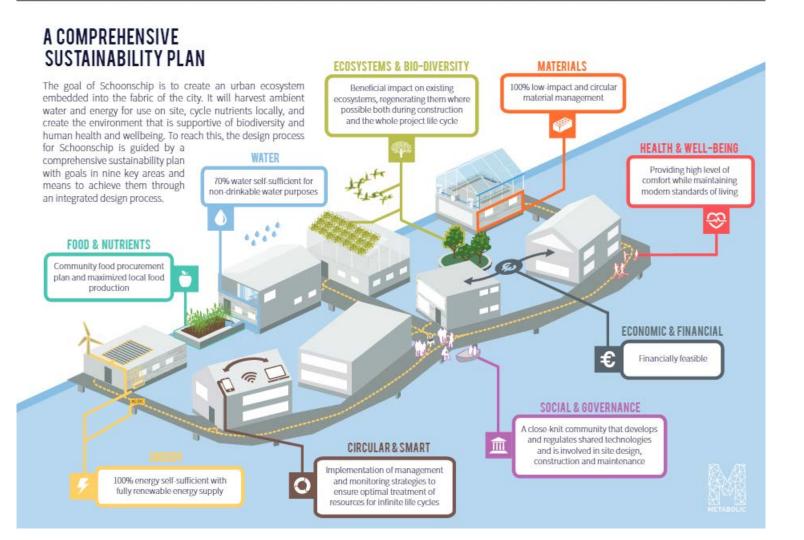
### projectsi wasinvolvedin

### • Schoonschi p

 a sustainable housing project of 30 floating households in Buiksloterham that tests new standards for sustainable urban development

### WWF report

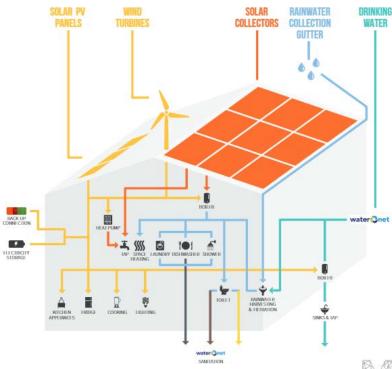
- analysis of the impact of food systems (European and Global) on biodiversity
- o assessment of leverage points on consumer behavior



### Work Description

- Designed interactive UI for Cleantech Selection Tool (CST), an online architectural tool for homeowners and designers of Schoonschip
- Did backend modelling for CST that predicted heating, electricity and water demands of individual households based on statistical data and parameters established by clients using MATLAB
- Researched global and European food systems, e.g. consumer behavior and the power of the private sector
- Created interactive data visualizations and infographics

### work sample- Interative U

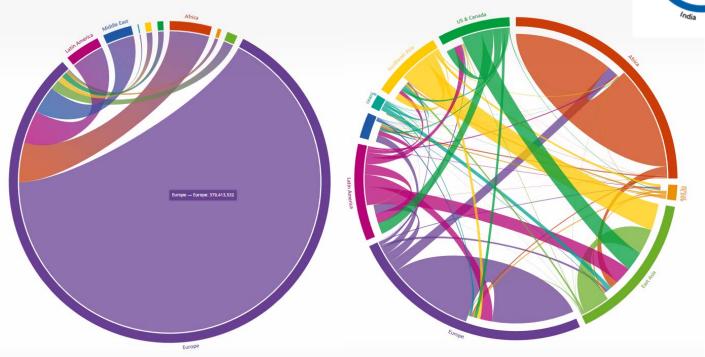




### How to read the plot



Regions/countries are represented by the circle's segments and each is assigned a color. Flows have the same color as the surveyed region/country and the width indicates the amount of flow from that region. Click on a segment to switch between country and region view.



Work Sample - Data Visualization



There are two offices: de Ceuvel and Sportpark Meteorenweg

de Ceuvel: used for internal/client meetings. It is located on the "Cleantech Playground," a collection of repurposed houseboats that use experimental heating/plumbing/recycling systems. On top of the office is a greenhouse built and designed entirely by Metabolic.

Sportpark Meteorenweg: the larger office where most of the employees/interns work day-to-day. It has a workshop (it is where the greenhouse was built) and

### de Gave



# sortparknetereweg



### nost reverding aspects

- learning about Europe's role in developing sustainable technology and pioneering the idea of circular economics
- seeing all different aspects of consulting: the technical side, the report writing...etc.
- seeing the company's experimental technologies first-hand
- assisting with making a real change in the company, e.g. helping build the greenhouse, helping run the opening ceremony of the de Ceuvel office space...etc.
- bonding and working with the coworkers, who are all very

# nyinpect

- worked closely with the Schoonschip consulting team and the WWF consulting team
- helped develop the Cleantech Selection Tool
- contributed to the data analysis section of the WWF report
- volunt eered around the office and helped on what ever needs to be done, even if it was completely unrelated to my official job

### inpect on acadenics career

- Helped me see the application of COS and ORFE in the real world
- I went into the internship knowing nothing about consulting, but am now considering it for a career path

### conducting remarks

Working at Metabolic was very rewarding, and the company was very encouraging and helpful.

- I was able to switch projects whenever I felt like I have learned/contributed all I can
- We had flexible work hours
- Everything was very self-motivated
- Mentorship and office morale was very strong

I recommend working here very highly! It is a fantastic work environment with a strong start-up culture.