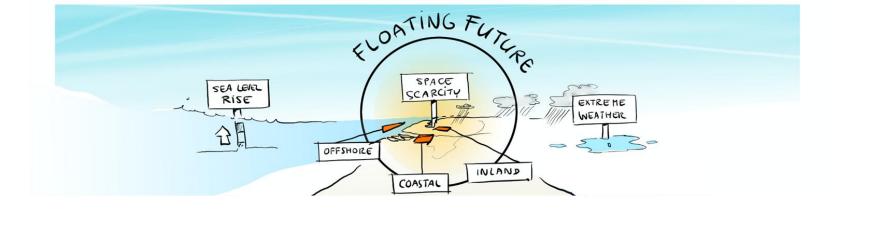


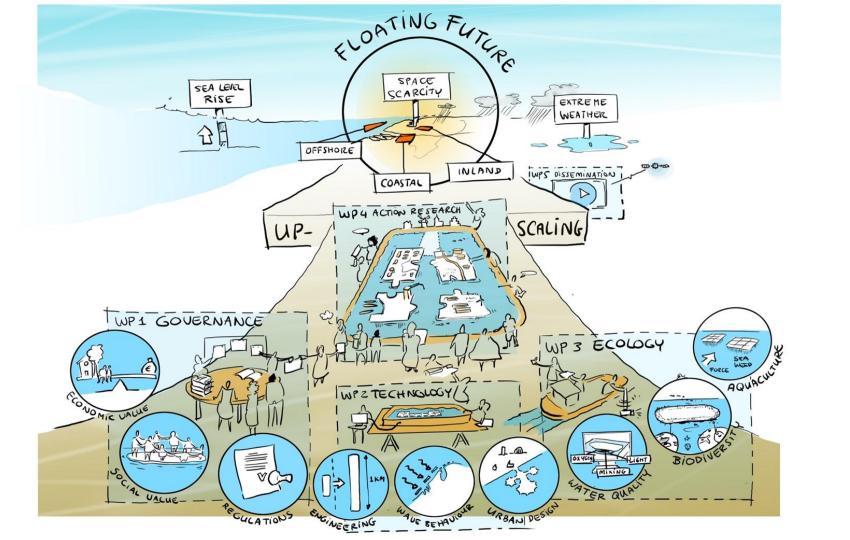
Floating Future: Housing and energy on the water

19 June 2025

Scaling up floating structures as climate-proof space-creating solution









university of groningen

dr. Margo van den Brink - Associate Professor Water and Planning

prof. dr. L.G. (Ina) Horlings - Full Prof. Dr. Socio-Spatial Planning

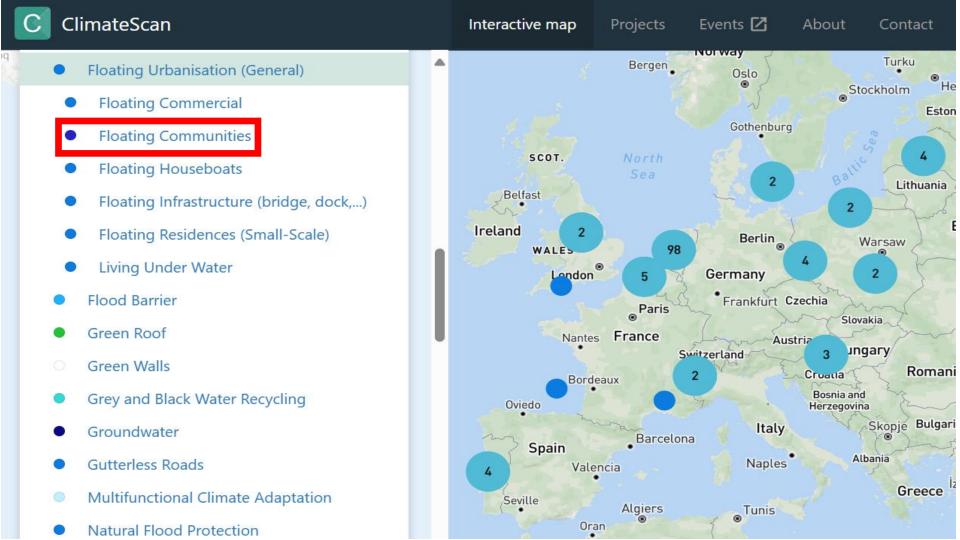
dr. Britta Restemeyer – Assistant Professor Spatial and Institutional Design

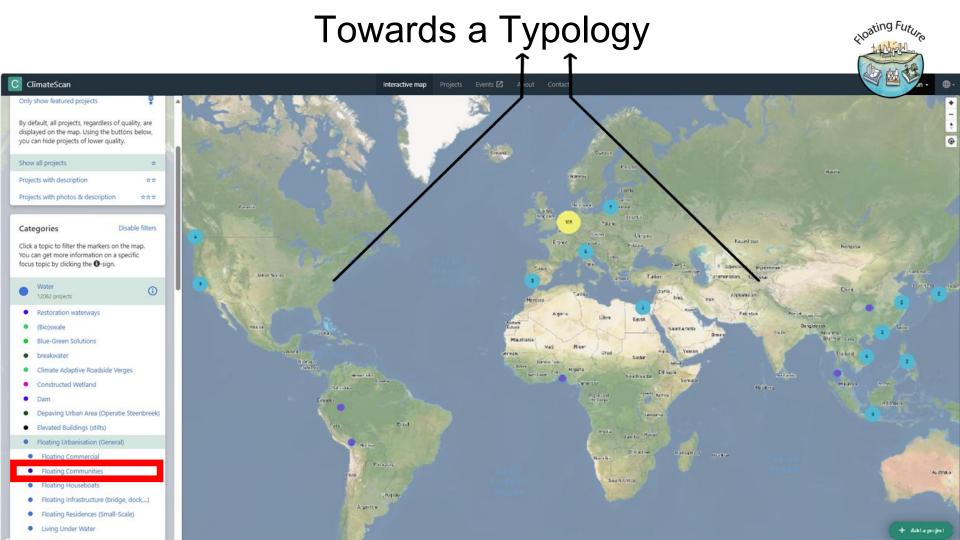
dr. Elizabeth MacAfee – Postdoc researcher

Sonja Rombach – PhD researcher

Erika Varik - Jr. researcher







Typology of existing floating communities





- 1) Urban living
- 2) Luxurious living
- 3) Sustainable living
- 4) Resource-based living
- 5) "Slum" living
- 6) Alternative communal living

1) Urban living











"Go with the flow"

- Engineered/ planned urban neighborhoods (next to or extending an already existing residential area)
- Safety, durability and cost
- Housing (reg. land shortage), adaptation (to SLR & flooding) and recreation (living with nature) functions
- Communal & private (green) spaces and facilities

2) Luxurious living



"High and dry"















- Prestigious, romantic, high status associations with waterfront-lifestyle
- Urban calm waters
- High-standard housing and recreational purposes
- Focus on design not ecology

3) Sustainable living





"Reuse, amuse, reside"





- Sustainability & lifestyle aspirations
- Water not predominant factor
- Housing solution for dense urban areas
- Connected (sharing culture) and conscious (environmental consciousness) living community
- bottom-up

4) Resource-based living





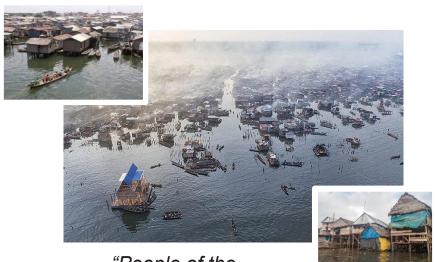


"Living off the land"

- Vernacular/ unplanned communities which emerged organically or out of necessity
- Scattered large accumulations of simple huts (floating or on stilts) with appendant fishing appliances
- Livelihood dependance on water resources
- Strong social capital

5) Slum living





"People of the rivers"

- Overcrowded, unregulated settlement
- Often serious environmental, infrastructural and social (povertyrelated) deficiencies/issues
- Poor status of inhabitants
- Housing and working in adaptation to given living circumstances, or refuge for migrants
- Strong social capital

6) Alternative communal living











"Turn the tide"

- Communities connected to marinas
- Alternative lifestyle aspirations
- High water (nature connectivity & recreation) and community aspect
- Floating home associations rule the communal living





Lectoraat Klimaatadaptatie Floating Future:

Prof. Dr. Floris Boogaard

Dr. Charné Theron

Dr. Bert van der Moolen

Dr. Ron de Vrieze

Entrance Learning
Community Urban Energy
– Floating Future







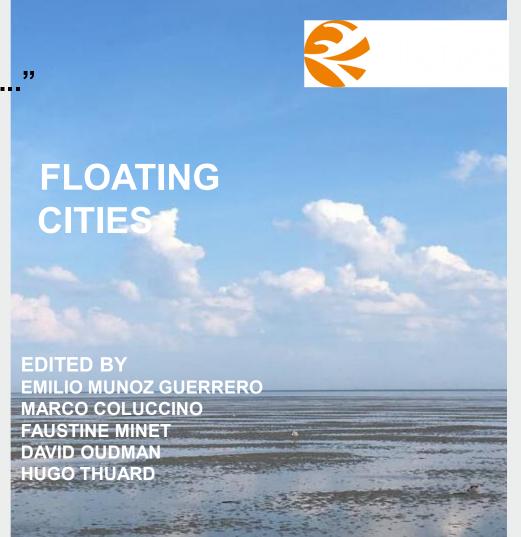
& Sparkles



"The floating future is now..."

Prof. Dr. Floris Boogaard

Output 1st year Learning community





KennisCentrum
NoorderRuimte

Floating Solar Panels: Green & Sparkles

https://groenleven.nl/projecten/drijvend-zonnepark-bomhofsplas/

https://www.youtube.com/watch?v=FolDniFqx6k

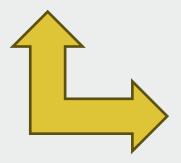






Thom Kruidhof:

Floating Street Furniture



https://www.canva.com/design/DAGqicfjnn4/bl076F_wfcvfi WsmWidx_w/edit



Thom Kruidhof

Industrieel product ontwerpen

Kleine kansen grote gevolgen

Slachtoffers en maatschappelijke ontwrichting als focus voor waterveiligheidsbeleid





Vraagstelling

"Ontwerp een concept voor amfibische zitstraatmeubilair dat functioneel en veilig is in zowel droge als overstroomde openbare ruimte, en tegelijkertijd bijdraagt aan de zelfredzaamheid van omstanders tijdens wateroverlast."

Proces



+ Probleem

verzamelen

Schetsen

Voorstel

+ Testen

Presentatie

Resultaat en product



06-10161620 t.w.j.kruidhof@st.hanze.nl







Interactive session



Questions for the presenters





This work is part of the project Floating Future with project number 16953 of the NWA research programme 'Research along Routes by Consortia (ORC)' which is financed by the Dutch Research Council (NWO).

Which of these things does NOT YET exist?

- A) Floating farm
- в) Floating park
- c) Floating hospital
- D) Floating airport
- E) Floating opera house

Which of these things does NOT YET exist?

- A) Floating farm
- в) Floating park
- c) Floating hospital
- D) Floating airport
- E) Floating opera house

Which floating home would you prefer?

A) Boat house

- B) Floating villa
- C) Eco home

D) Futuristic home









How would you prefer to live floating?

- A) Single home
- B) Alternative living
- C) Urban community
- D) Eco village
- E) Offshore living











Would you support the idea of scaling up floating housing?

- A) Yes! Go big or go home
- B) Probably
- C) Just stick to small-scale projects
- D) I wouldn't support
- E) I don't care

Which of these statements do you most agree with?

- A) Floating living is an extension of urban living on land
- B) Floating living is very different from living on land
- C) Floating living can also take place offshore