

# THE WHY FACTORY

MSc2 Biotopia. Everything is nature.



[picture credit]

## Tutors

Winy Maas

Felix Madrazo

Ben Milbourne (RMIT University)

Code	AR0177
Credits	15 ECTS
Location	n/a
Excursion	No
Costs	n/a

*\*Only for MSc2 projects*

Project type	Multidisciplinary
--------------	-------------------

Approved Master 2	Yes
Architecture design project	

In the Spring semester of 2024, The Why Factory will embark on an exploration of biobased materials, spanning from the scale of the human body to rooms, housing, and ultimately the global scale.

This studio operates under the fundamental premise that our survival on this planet hinges on the transformation of Earth into a sustainable co-habitat for humans and nature. This entails respecting boundaries, minimizing waste, and creating fully biodegradable, adaptable, recyclable, clean, and energy-neutral environments. By designing with, for, or as nature (regardless of the preposition employed), we aspire to usher in an era characterized by biological integration.

Our journey begins with an exploration of current biobased innovations. More ambitiously, we will envision a future material – a biomatter – that emits light, generates energy, filters and purifies water, provides habitat for plants and animals, grows and contracts at will,

recycles, acts as fertile soil, produces sustenance, and is mobile. This biomatter can even give rise to shading clouds.

We will investigate how such biomatter would reshape interiors, homes, neighborhoods, cities, and, ultimately, the world. What are the implications for the performance of human bodies, rooms, homes, and entire urban environments?

Throughout this endeavor, students will produce a series of visualizations and calculations aimed at depicting life in a truly biocentric world.

The Biotopia studio will be conducted in collaboration with RMIT University in Melbourne. Their students will visit Delft during a portion of the Q4 period.

Spring semester 2024