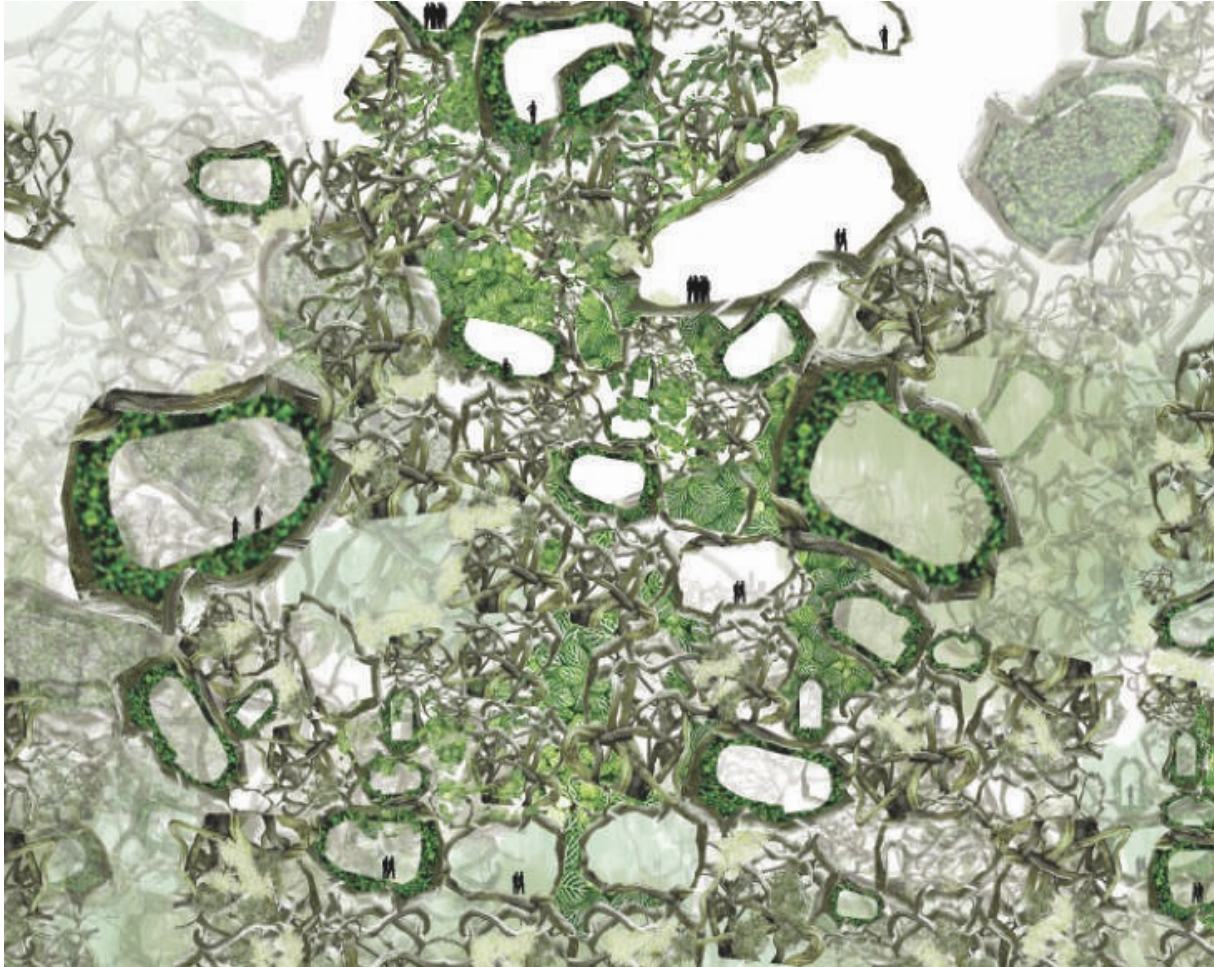


The Why Factory

MSc 1 - The Biotipia



The Why Factory

Tutors

Winy Maas

Stavros Gargaretas

Thiago Maso

Code	AR1TWF011
Credits	10 ECTS
Location	N/A
Excursion	No
Costs	N/A

In the Fall semester 2024 we will explore the use of biobased materials at the scale of the body, the room, the housing unit, and, ultimately, the city.

This studio starts from the premise that we can only survive on this planet if we turn Earth into a place where humans can sustainably cohabit with nature: respecting the limits, without waste, in a fully biodegradable, adaptable, recyclable, clean and energy neutral environment.

If we design with, for or as nature (no matter the preposition we want to use), we might one day reach the age of biology.

To do so, we will explore the current biobased inventions and, furthermore, envision a future material -a biomatter- that gives light and generates energy; a substance that filters and provides fresh water; a substratum that houses plants and animals; a fabric that grows and shrinks instantly; a medium that

recycles, serves as soil, produces food, and moves, that loosens itself and that can fly and transport us? This material-or better said- a biomatter, could even form clouds for shading ...

What are the resulting interiors, homes, blocks and cities resulting from the implementation of such biomatter? How do bodies, rooms or homes perform?

Students will design a series of housing units, and combinations thereof, aimed at describing life in a truly bioworld.

This studio runs in the first quarter. Please be aware to also enroll for the Building Engineering Studios AR1A081 that runs in the second quarter.