

# (UN)ROOTED

AN INTERACTIVE INSTALLATION  
EXPLORING BELONGING, GROWTH &  
CONNECTION

BY JOHANNA SCHRÜNDER

FINAL PRESENTATION  
FABRICADEMY 2025/2026

waag  futurelab

 FABRICADEMY  
textile and technology academy

# (UN)ROOTED

AN INTERACTIVE INSTALLATION  
EXPLORING BELONGING, GROWTH &  
CONNECTION

BY JOHANNA SCHRÜNDER

# MOTIVATION

**how am I rooted when everything is in motion?**

- We live in a world of continuous mobility - we live across cultures, languages
- Places, identities, and relationships are fluid
- We are constantly connected digitally, yet still many people feel isolated nowadays



# INSTALLATION

a space to reconnect with our roots



Credits by Johanna Schröder

## Interaction

- visitors interact with the blanket via a sensor, activating a video projection

## Collective growing

- participants reflect on their roots through filling out a questionnaire.
- the answers create an individual mold in which they grew their own piece of roots
- all roots are assembled into a “root blanket,” showing how stories intertwine.

# COLLECTIVE PROCESS

QUESTIONNAIRE

analog & digital



PARAMETRIC DESIGN

Rhino / Grasshopper



INDIVIDUAL ROOT MOLD

lasercut from acrylic



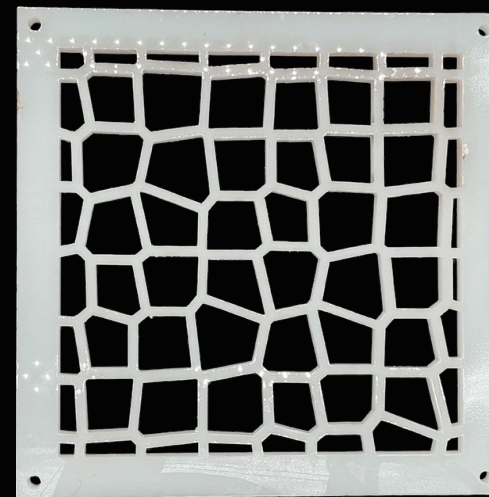
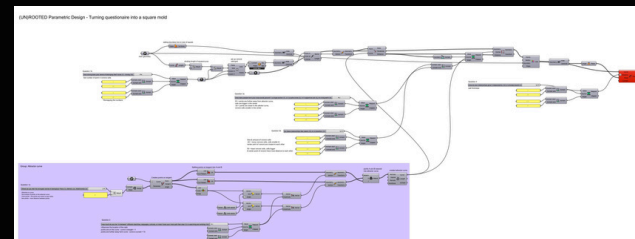
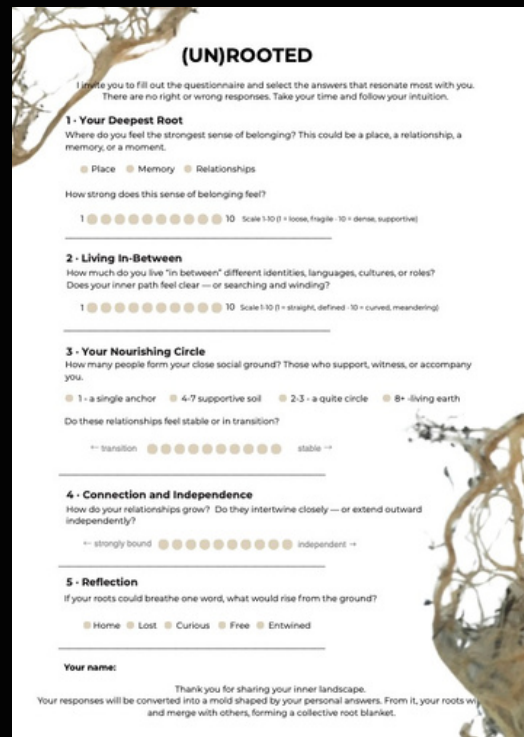
INDIVIDUAL GROWING

growing roots at home



COLLECTIVE BLANKET

all roots assembled



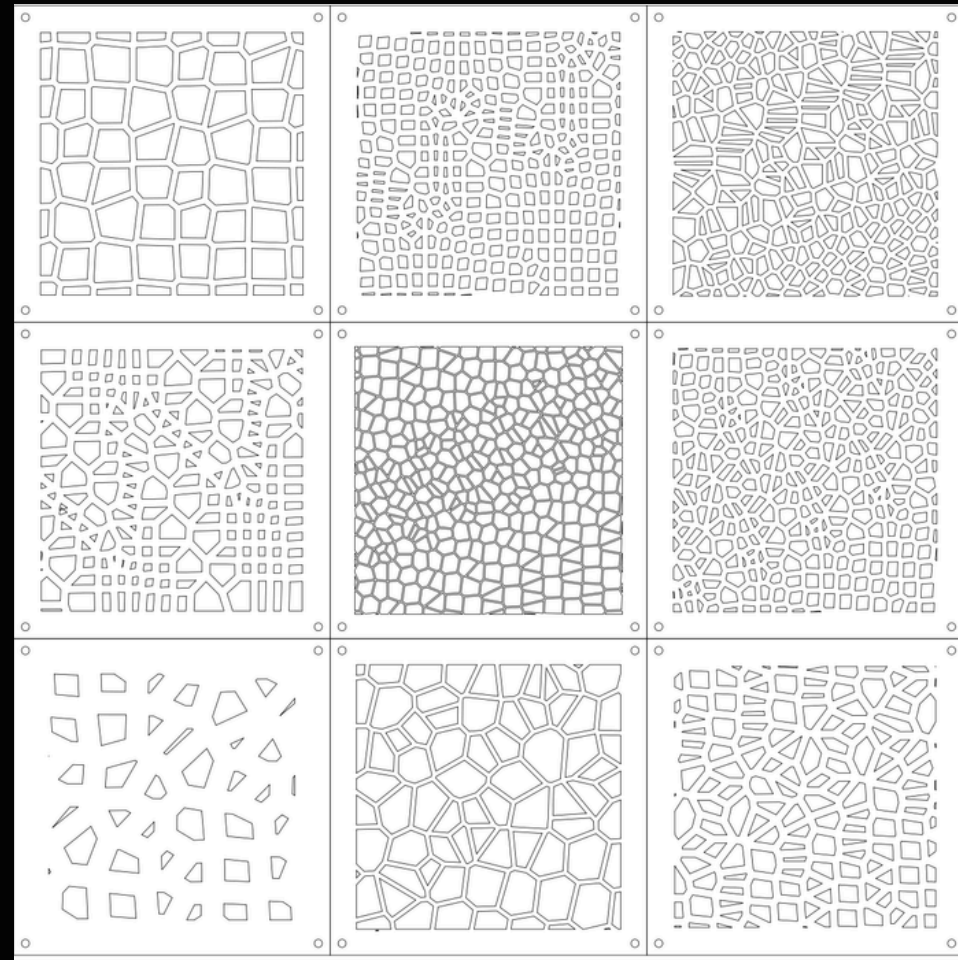


# MAKING OF - PART I

FROM QUESTIONNAIRE TO  
AN INDIVIDUAL MOLD

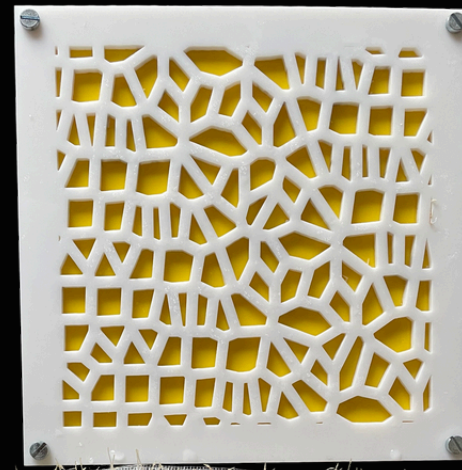
(UN)ROOTED BY JOHANNA SCHRÜNDER

# INDIVIDUAL MOLDES



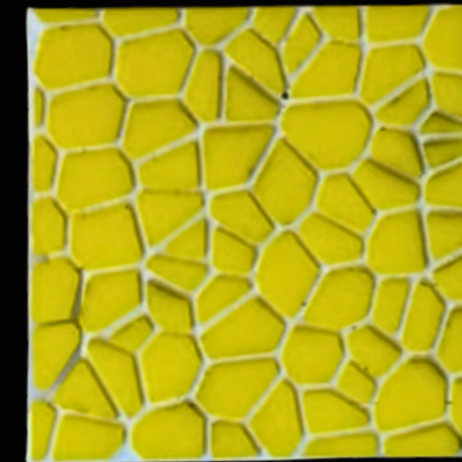
**Mold Nr. 1**

laser cut - negativ pattern



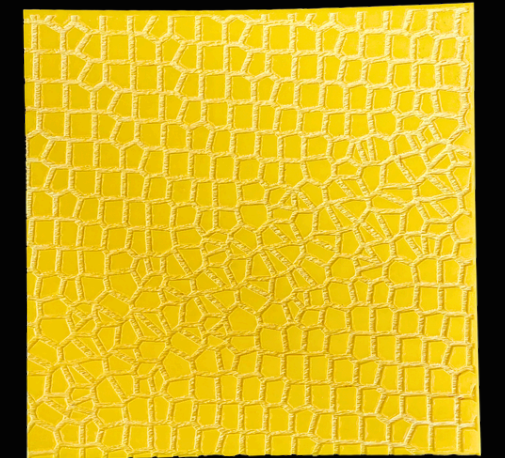
**Mold Nr. 2**

laser cut - positiv pattern



**Mold Nr. 3**

laser engraved



individual designs

roots - results

# SEEDS

## WHEAT GRASS

*Triticum aestivum*



## BARLEY

*Hordeum vulgare*



# GROWING ROOTS





# MAKING OF - PART II

FROM SEEDS TO A ROOT  
BLANKET

(UN)ROOTED BY JOHANNA SCHRÜNDER

# PROJECTION & SENSOR



## Projection

- Timelaps recording of growing seeds
- Video projected on a screen via projector

## Ultrasonic sensor

- Triggers video projection of the root growth footage I filmed
- Placed on a fabric lining - roots on top
- Visitors interact directly with the roots, experiencing connection through touch.



THANK YOU

# CREDITS

## CONCEPT & REALIZATION

JOHANNA SCHRÜNDER

## MENTORING

CECILIA RASPANTI

ASLI AYDIN AKSAN

NURIA ROBLES

ERIKA MIRZOYAN

## VIDEO ASSISTENT

CHRISTINA PETER

SPECIAL THANKS TO ALL PARTICIPANTS GROWING ROOTS FOR THIS PROJECT

waag  futurelab

 FABRICADEMY  
textile and technology academy