

RESURRECT

Midterm Progress



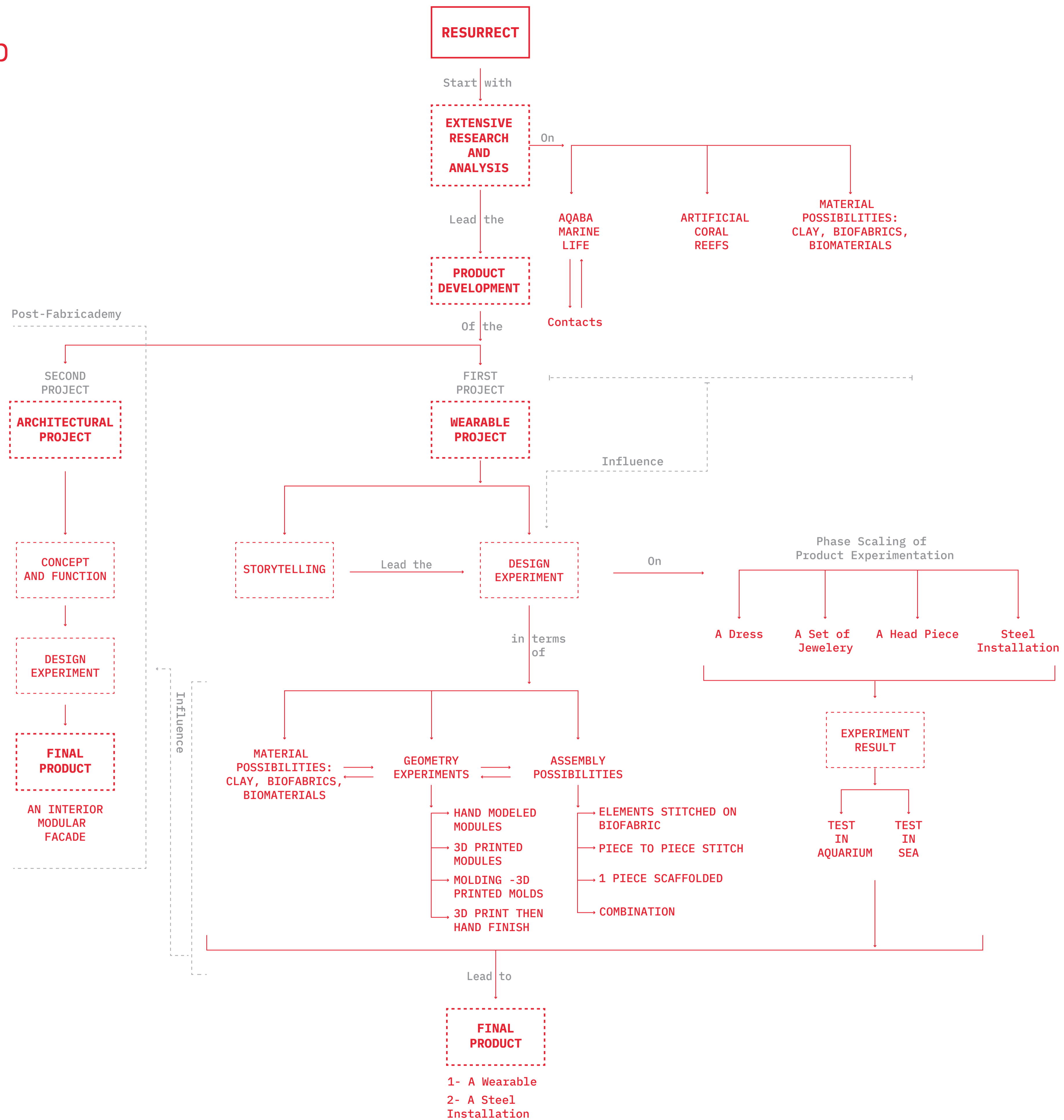
A Program by | أحد برامج

مؤسسة ولي العهد
Crown Prince Foundation



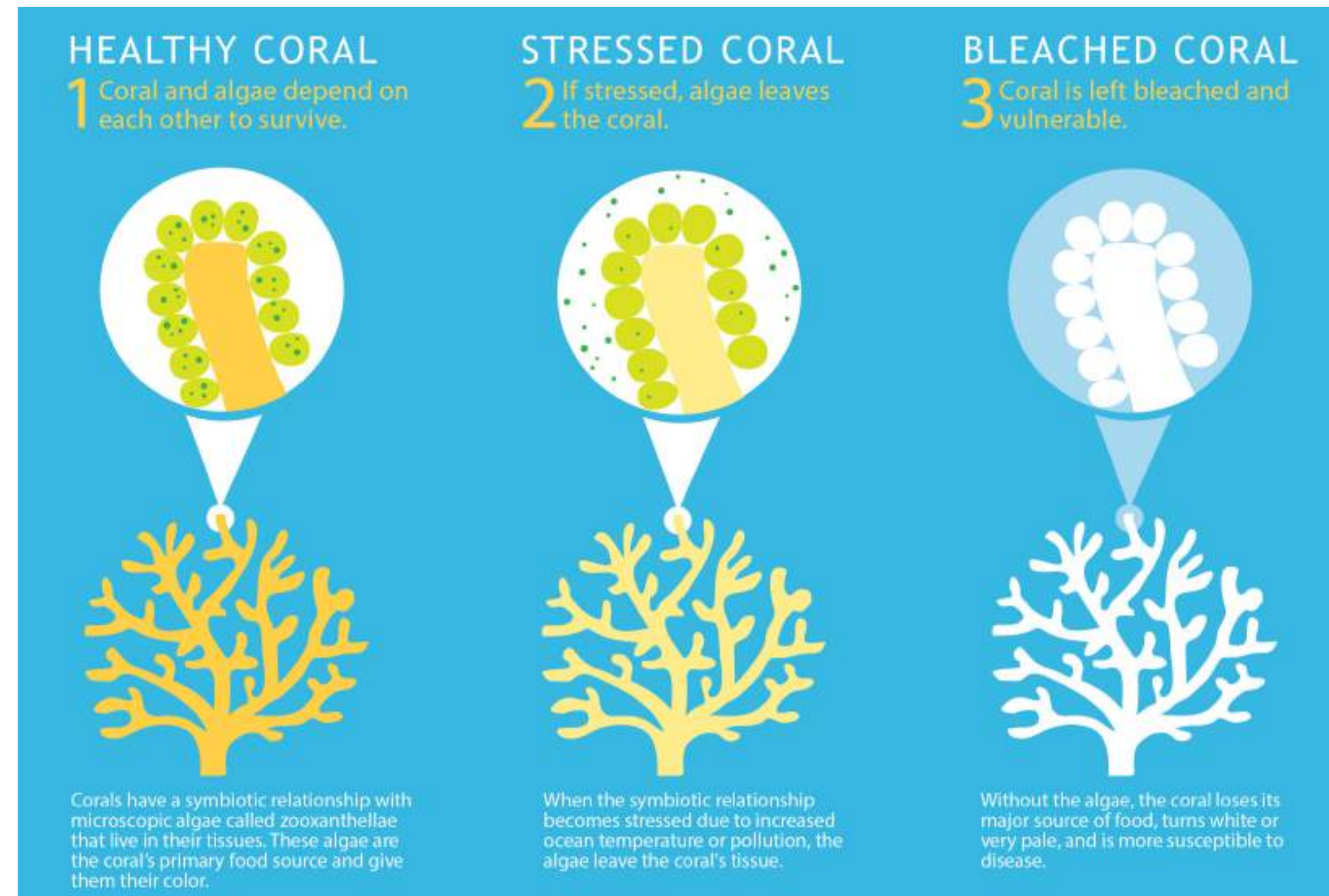
مساحة الصنّاع
The Makerspace

Project Mindmap

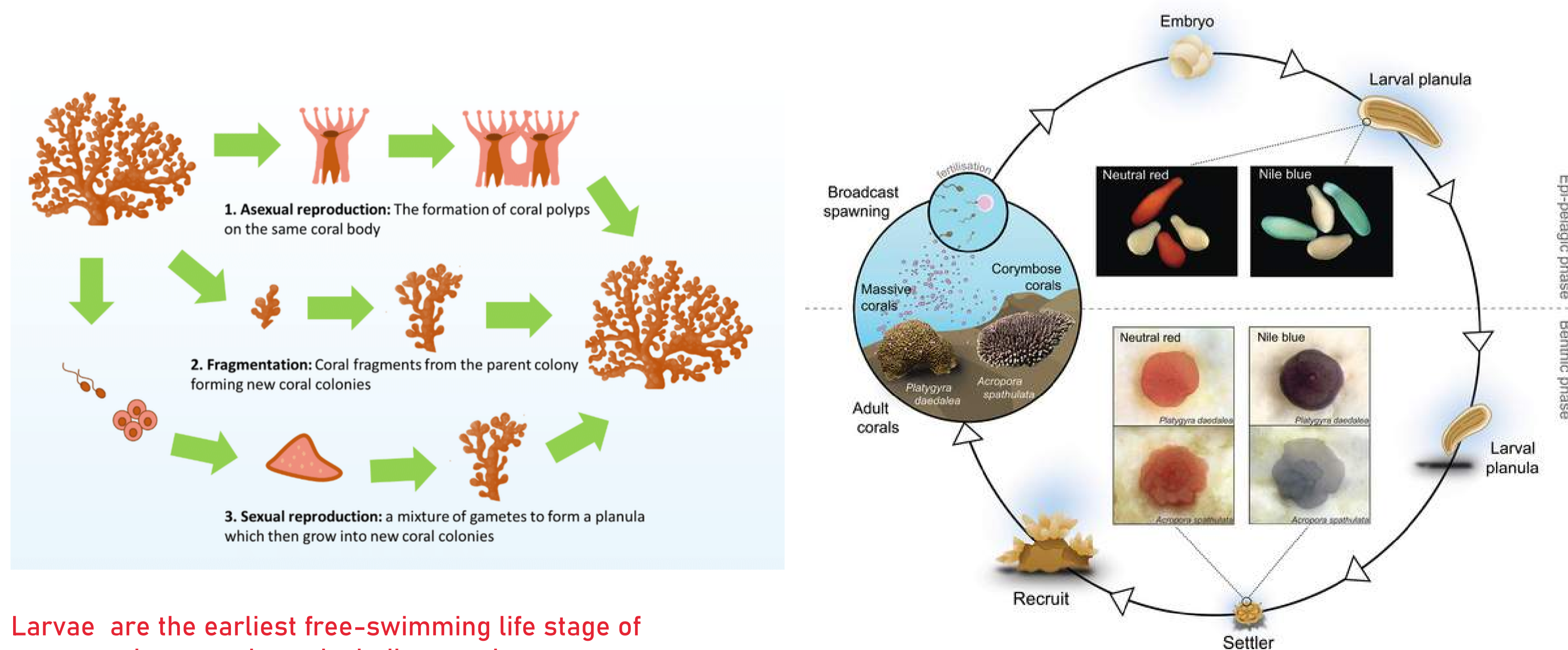


Research Synthesis

Main Challenge: Coral Bleaching



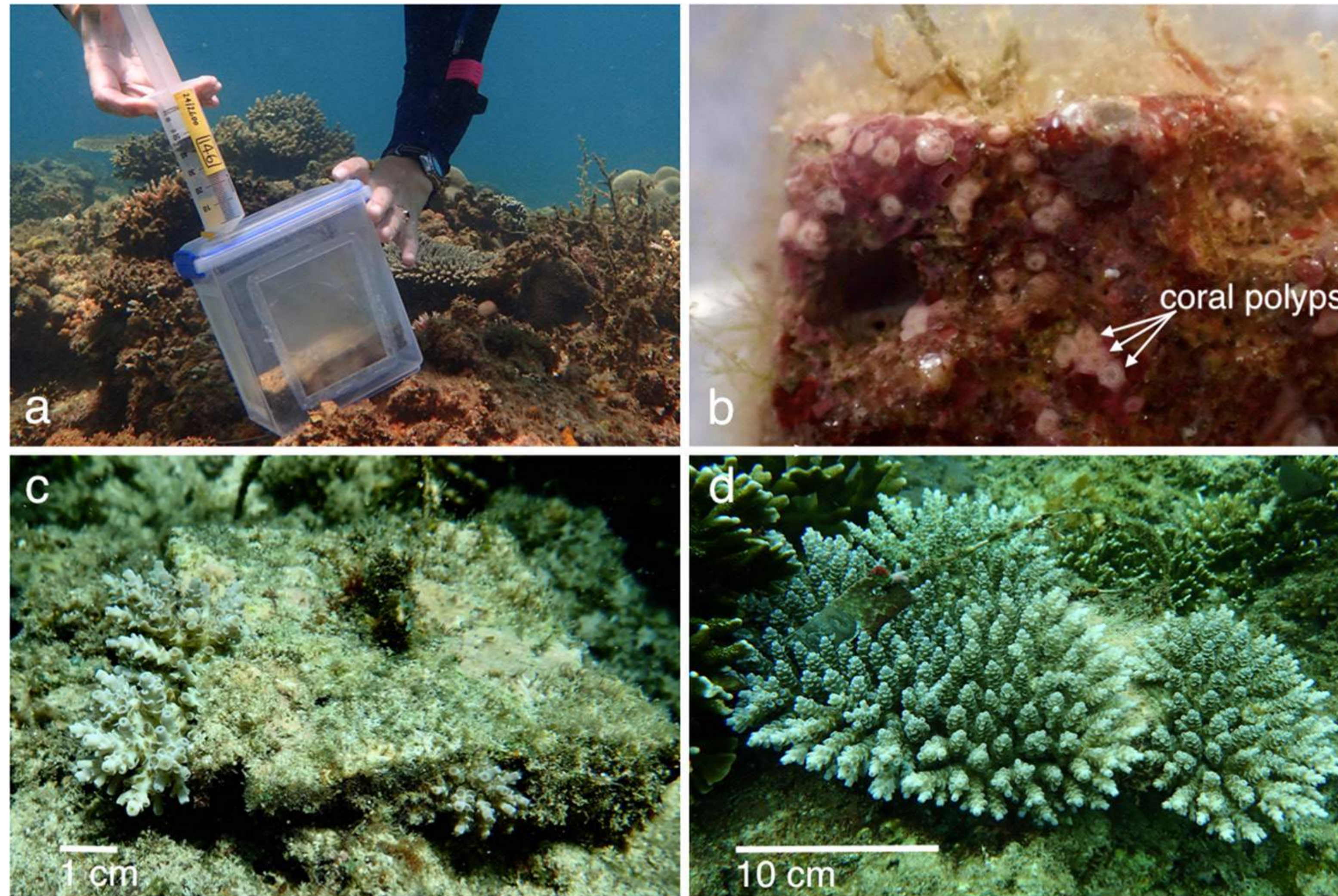
Introducing life to a mimiced Reef System



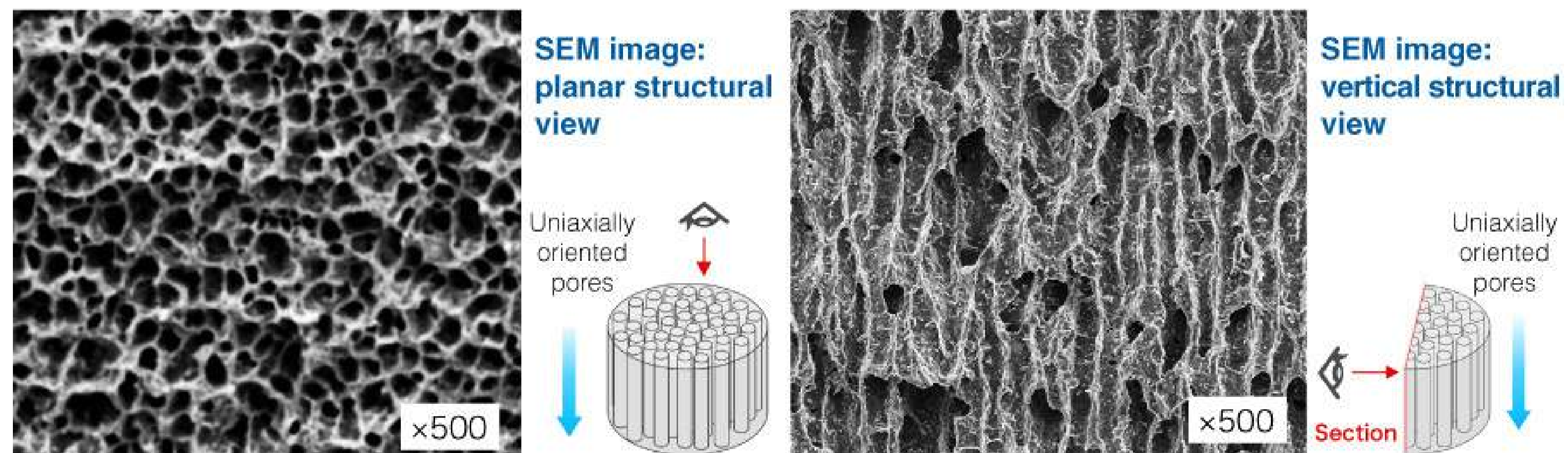
Larvae are the earliest free-swimming life stage of many marine organisms, including corals.

For corals specifically, they are called planula larvae.

Scalability

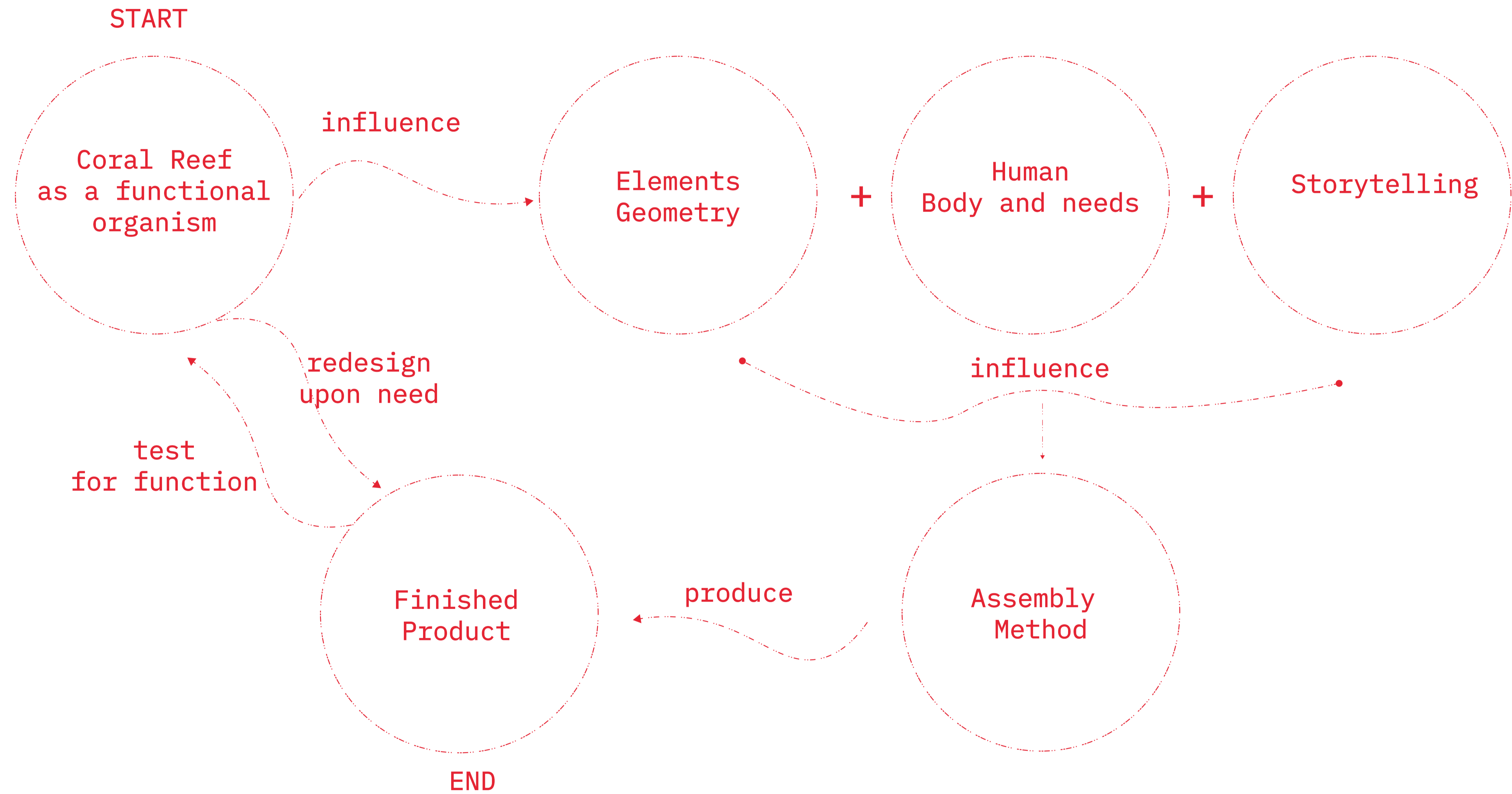


New Heaven Reef Conservation Program

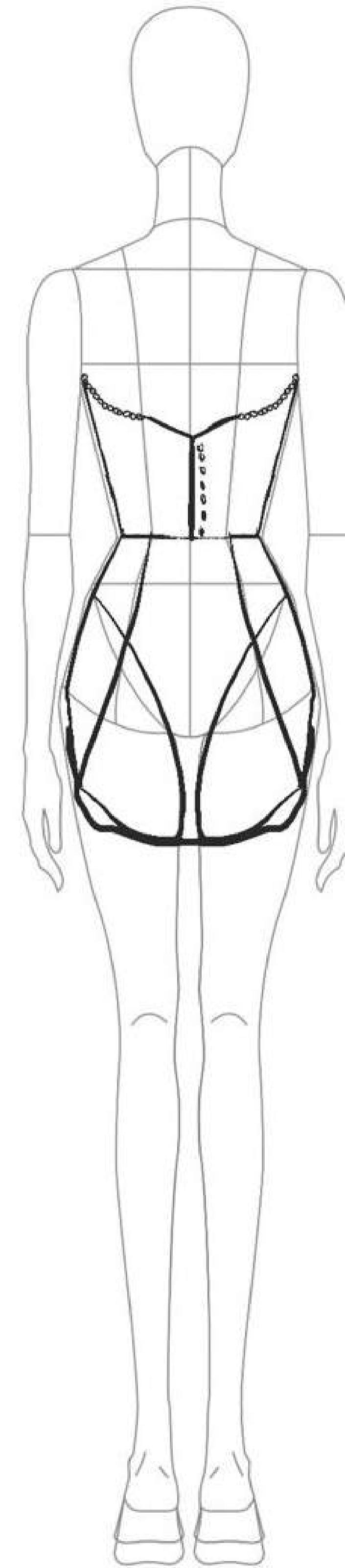
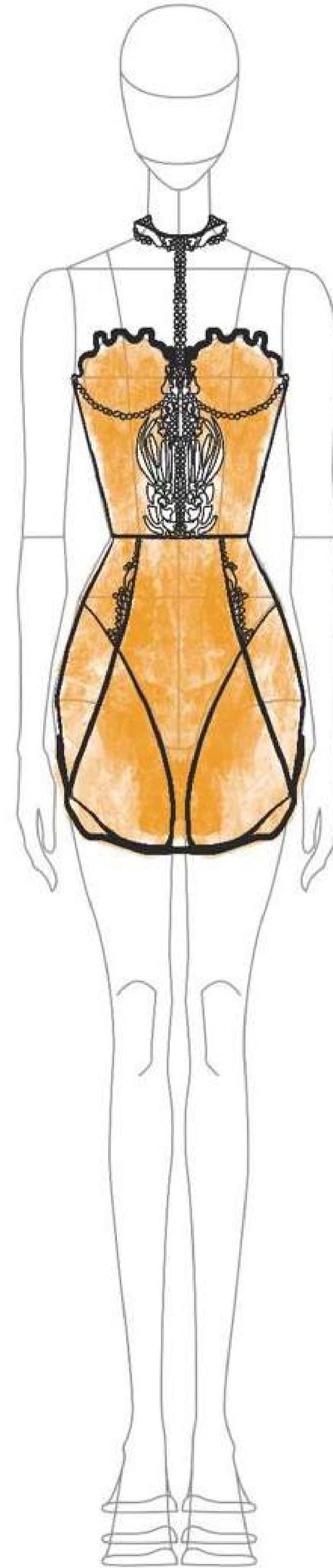
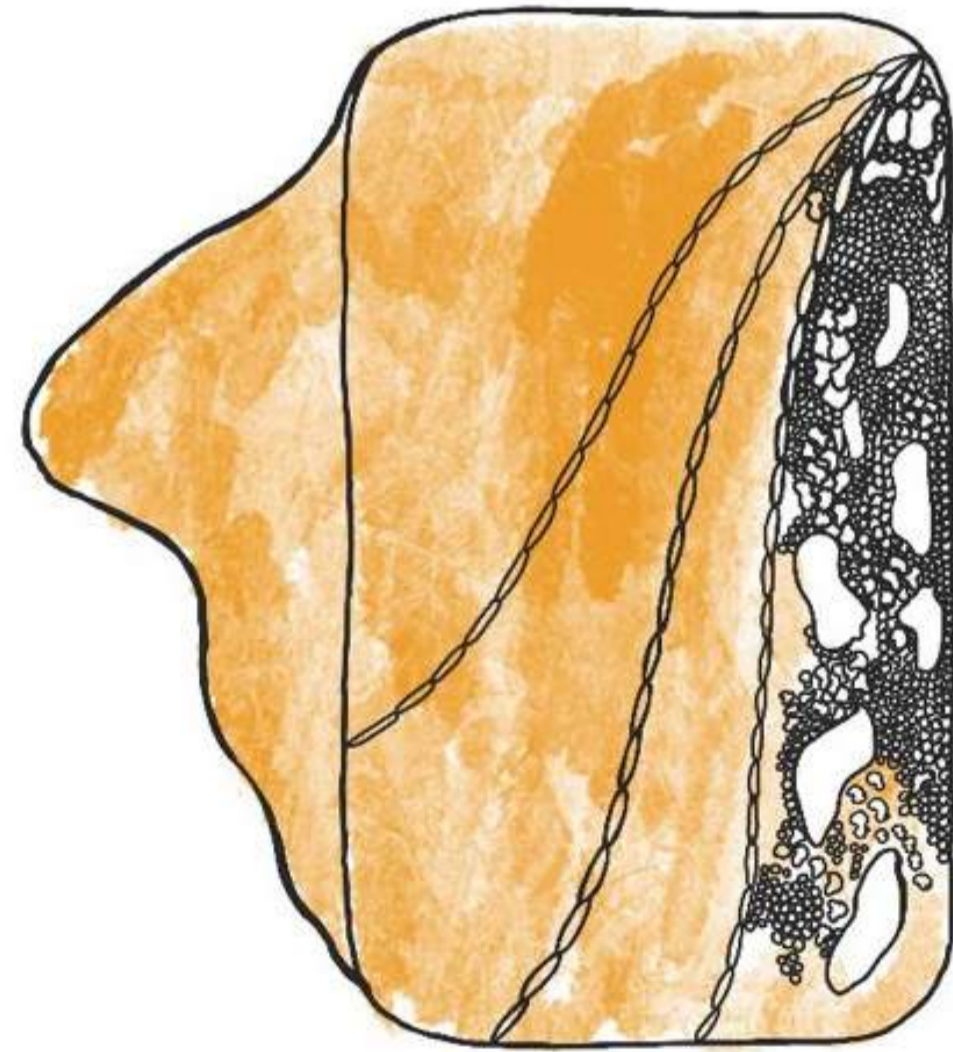
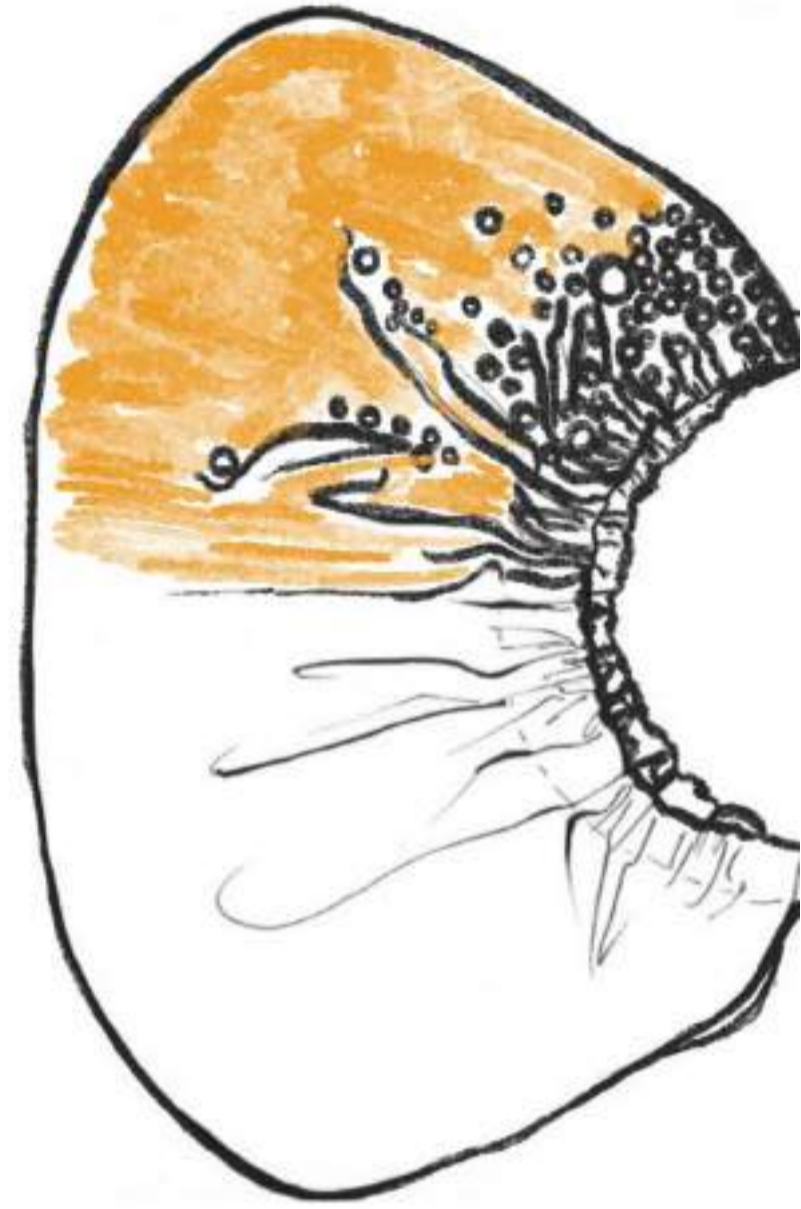


Full article: Macro-porous ceramics: processing and properties

Design Workflow



Sketching Chaos



Simone
K.

Assembly Possibilities

ELEMENTS STITCHED ON BIOFABRIC



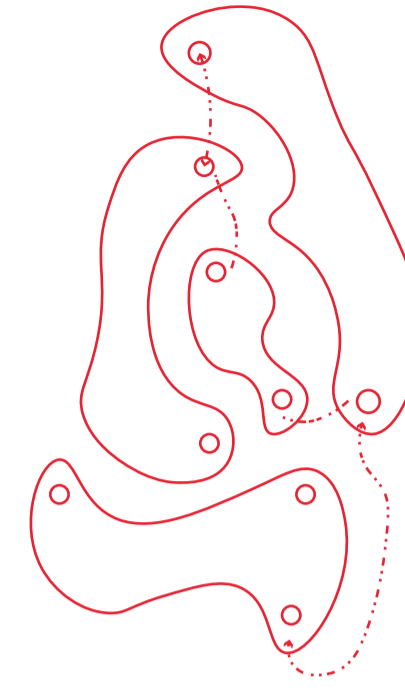
Clay modules
Stitched on
the fabric

Biofabricated
Compostable
Fabric / Leather

INSPO:



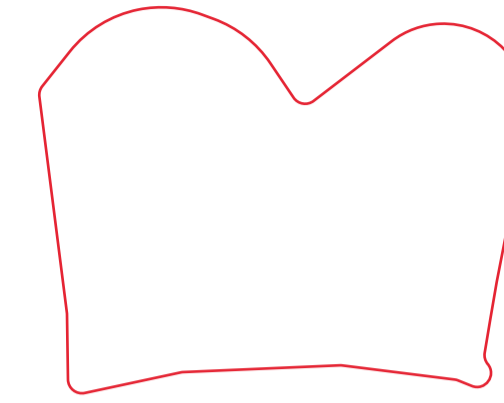
PIECE TO PIECE STITCH



INSPO:



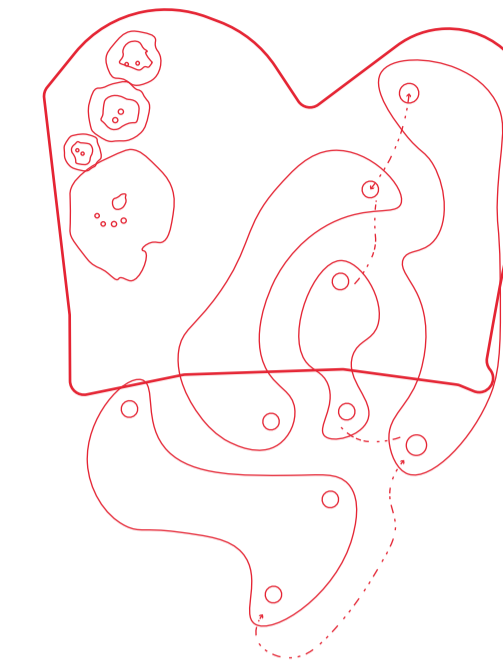
1 PIECE SCAFFOLDED



INSPO:



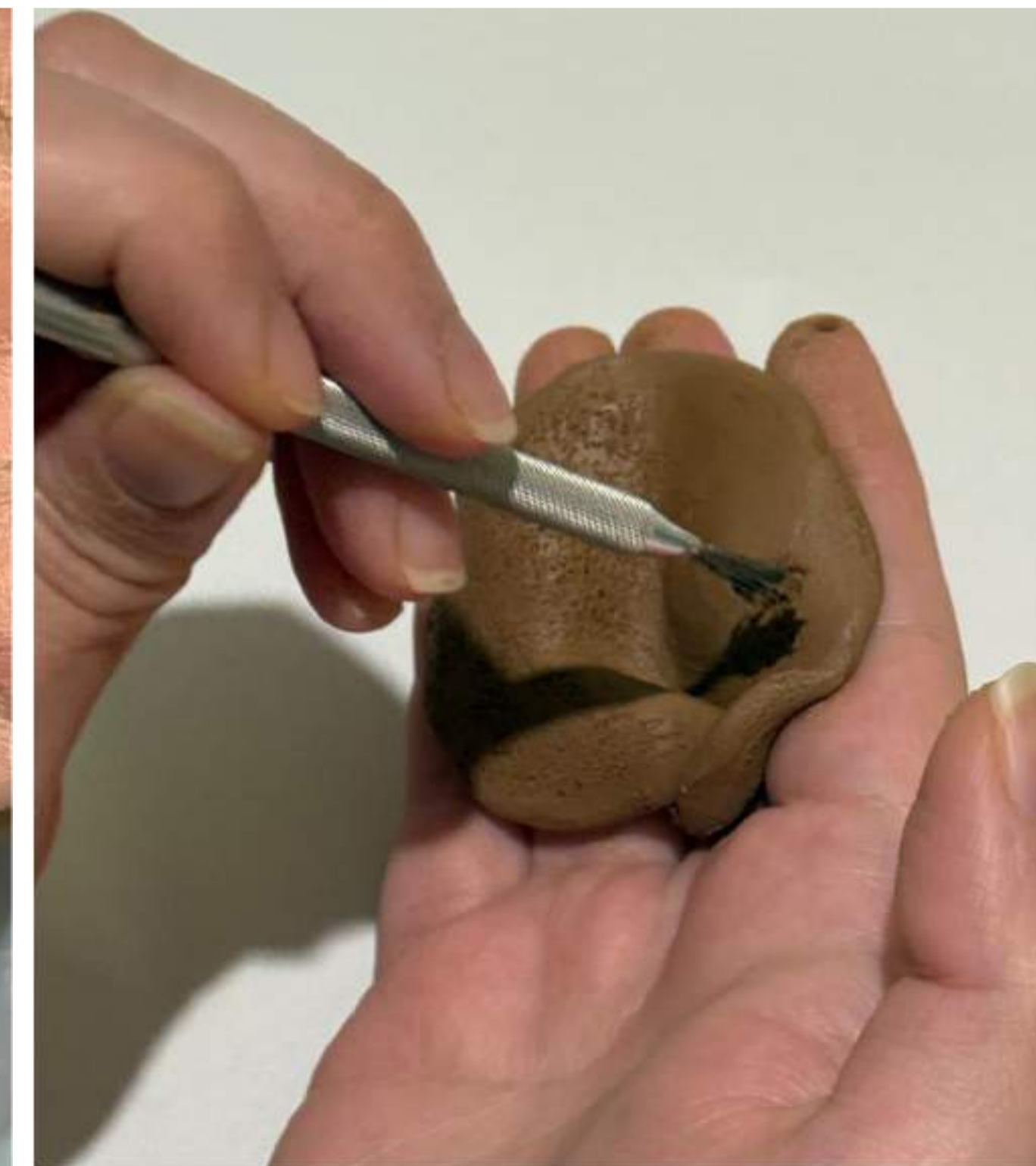
COMBINATION



A MIXTURE OF
ALL

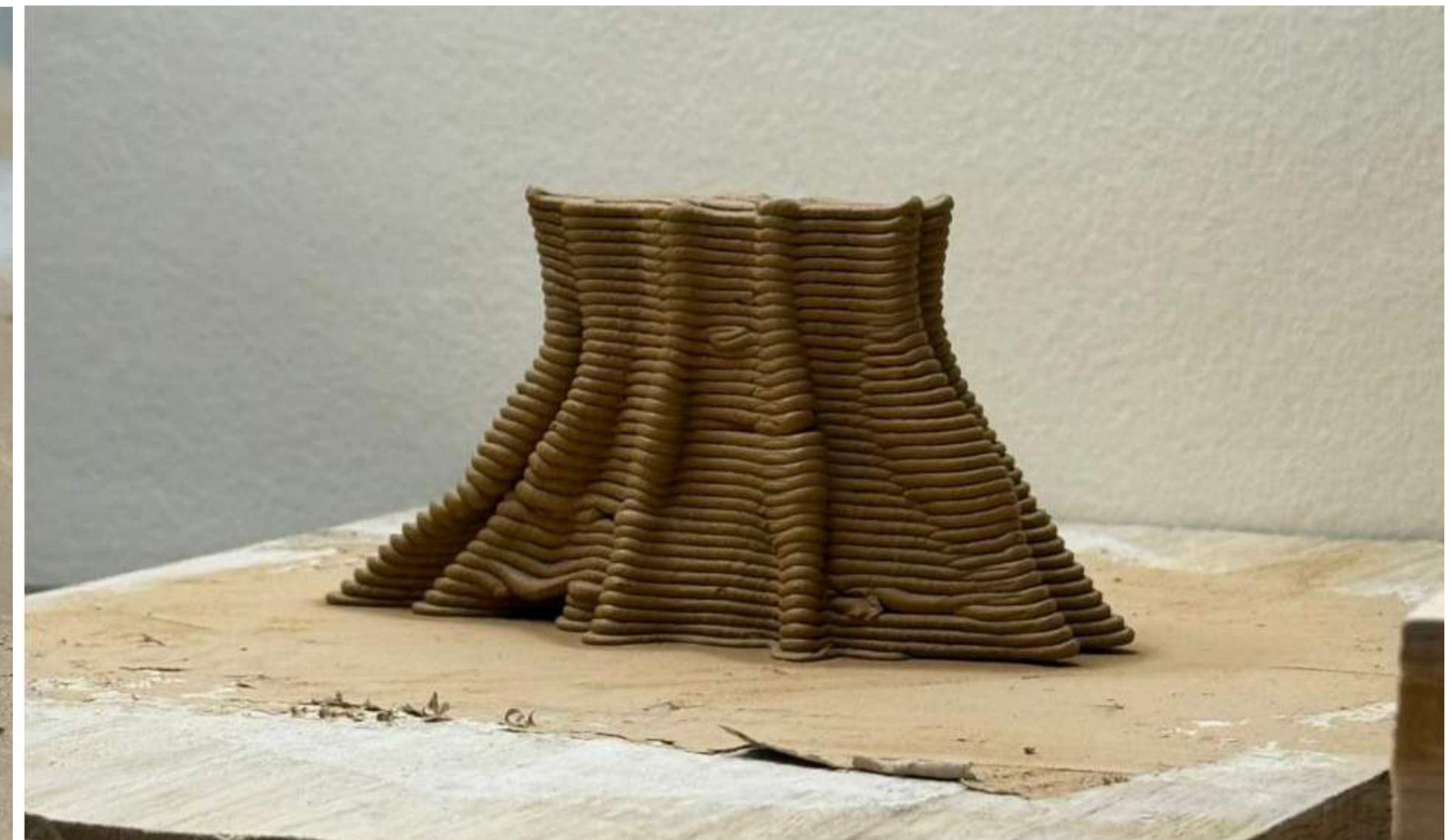
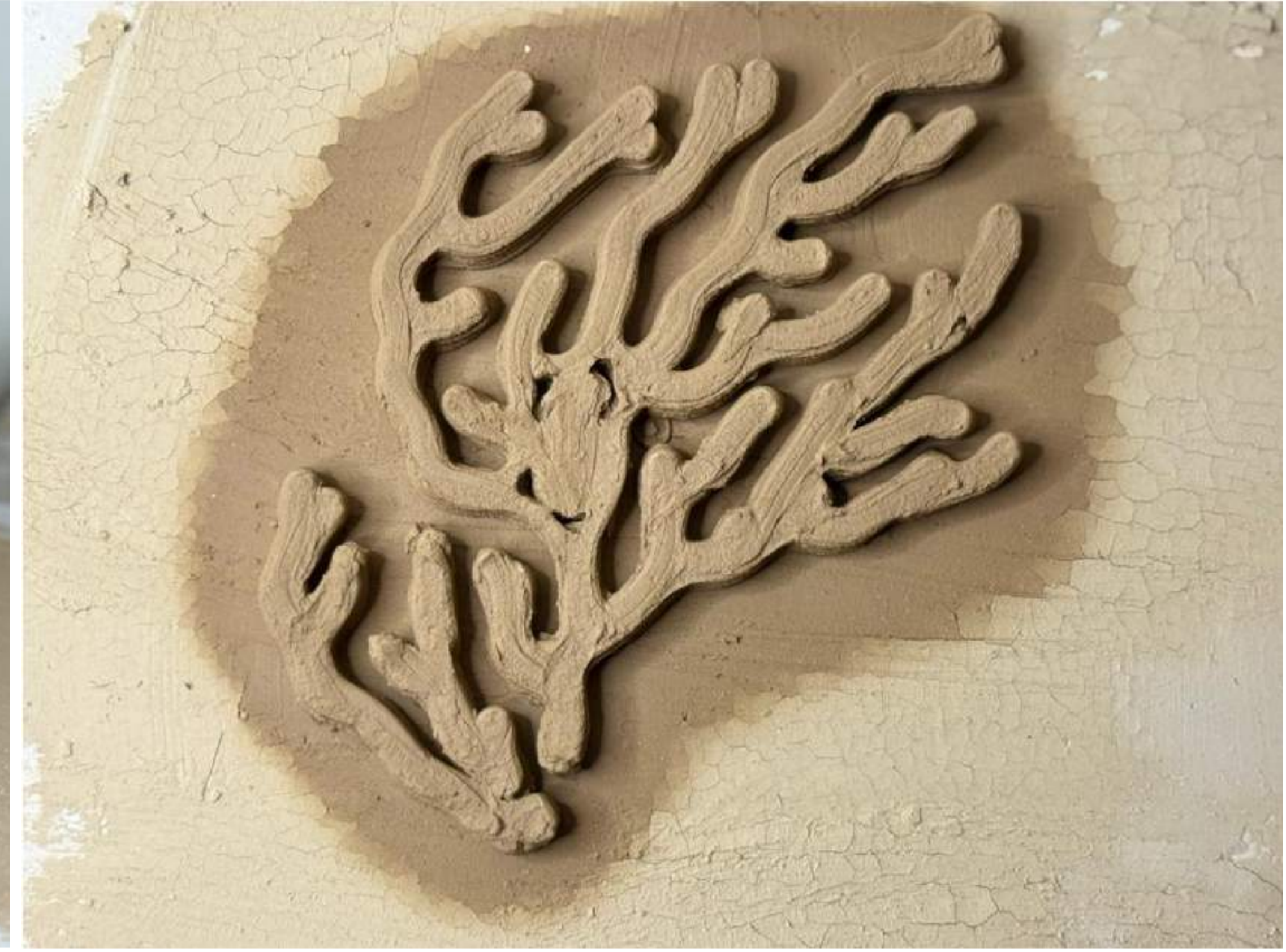


Hand Modeled Modules



3D Printed Experiments

First Experiment: General Test



3D Printed Experiments

Second Experiment: Regular Geometry Modules and Scale Possibilities



3D Printed Experiments

Fourth Experiment: Irregular Geometry Modules and scale possibilities

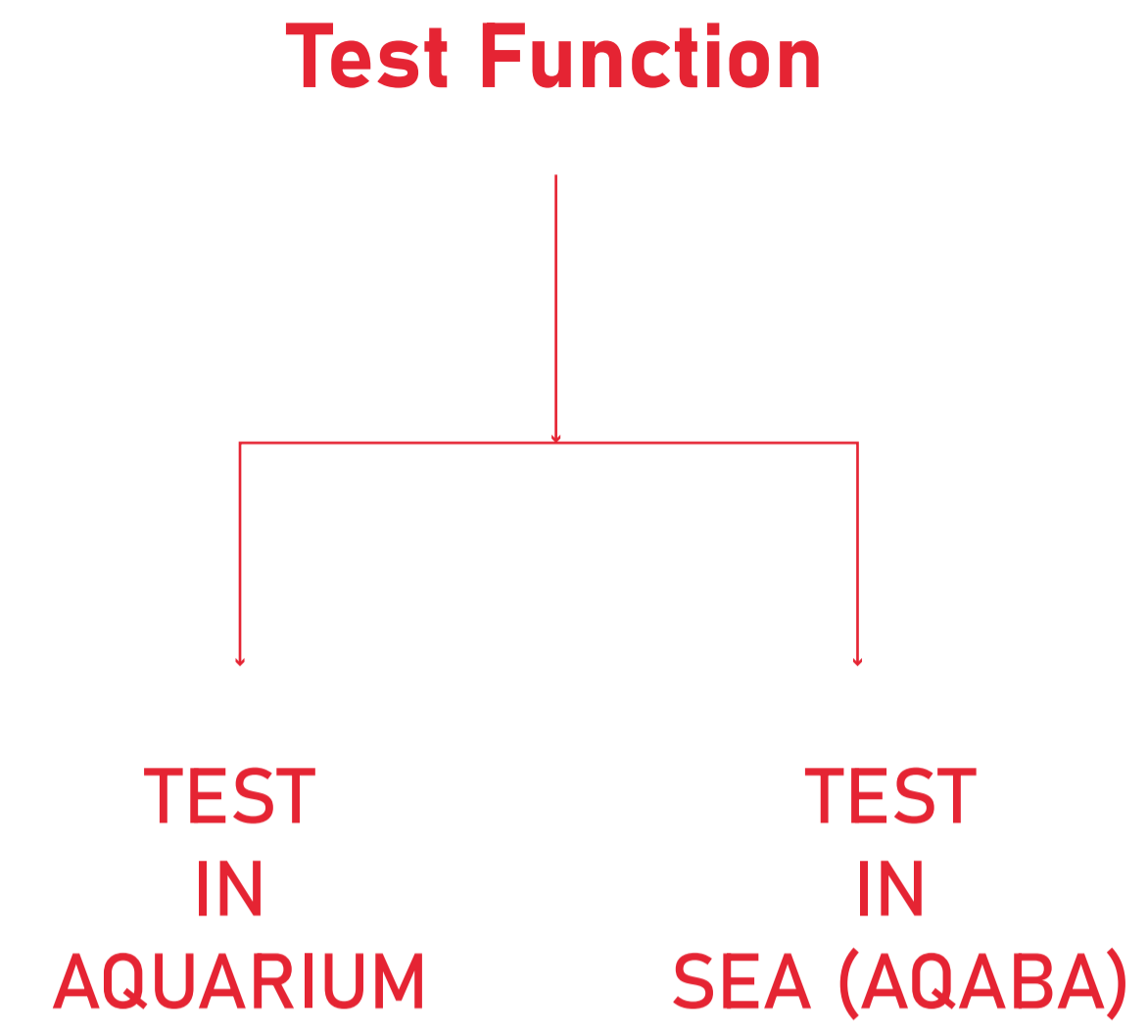


3D Printed Experiments

Comparison



Testing

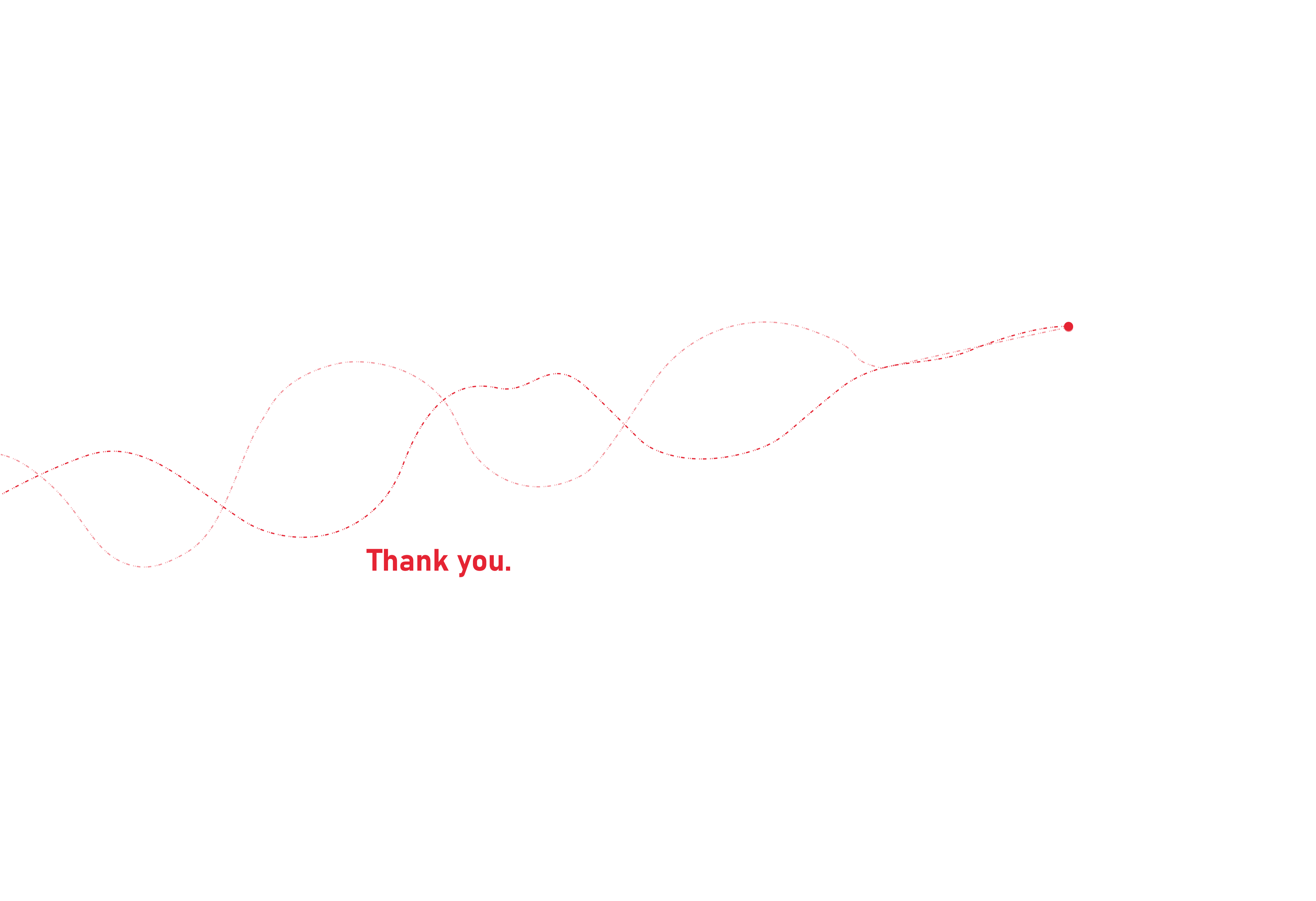


Levi's Caribbean Biotope Aquarium | Reef Builders

Testing

Test in Sea





Thank you.