

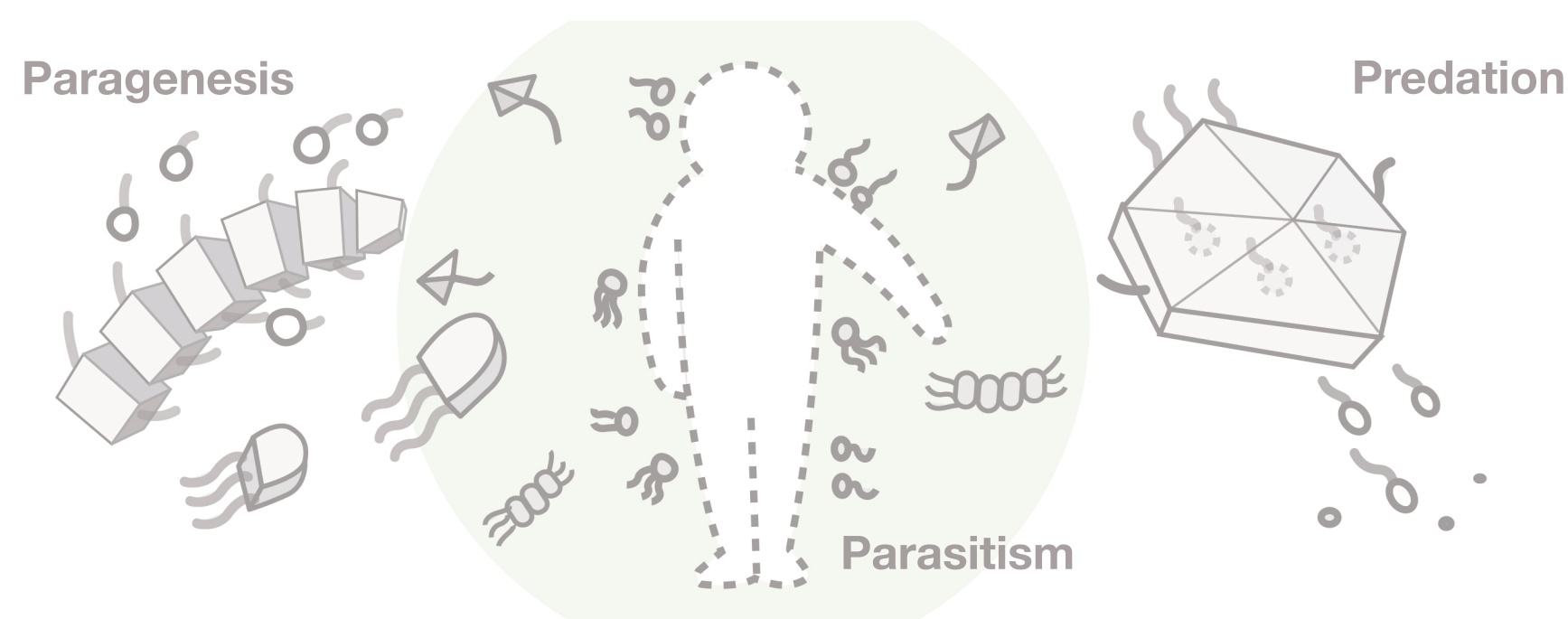
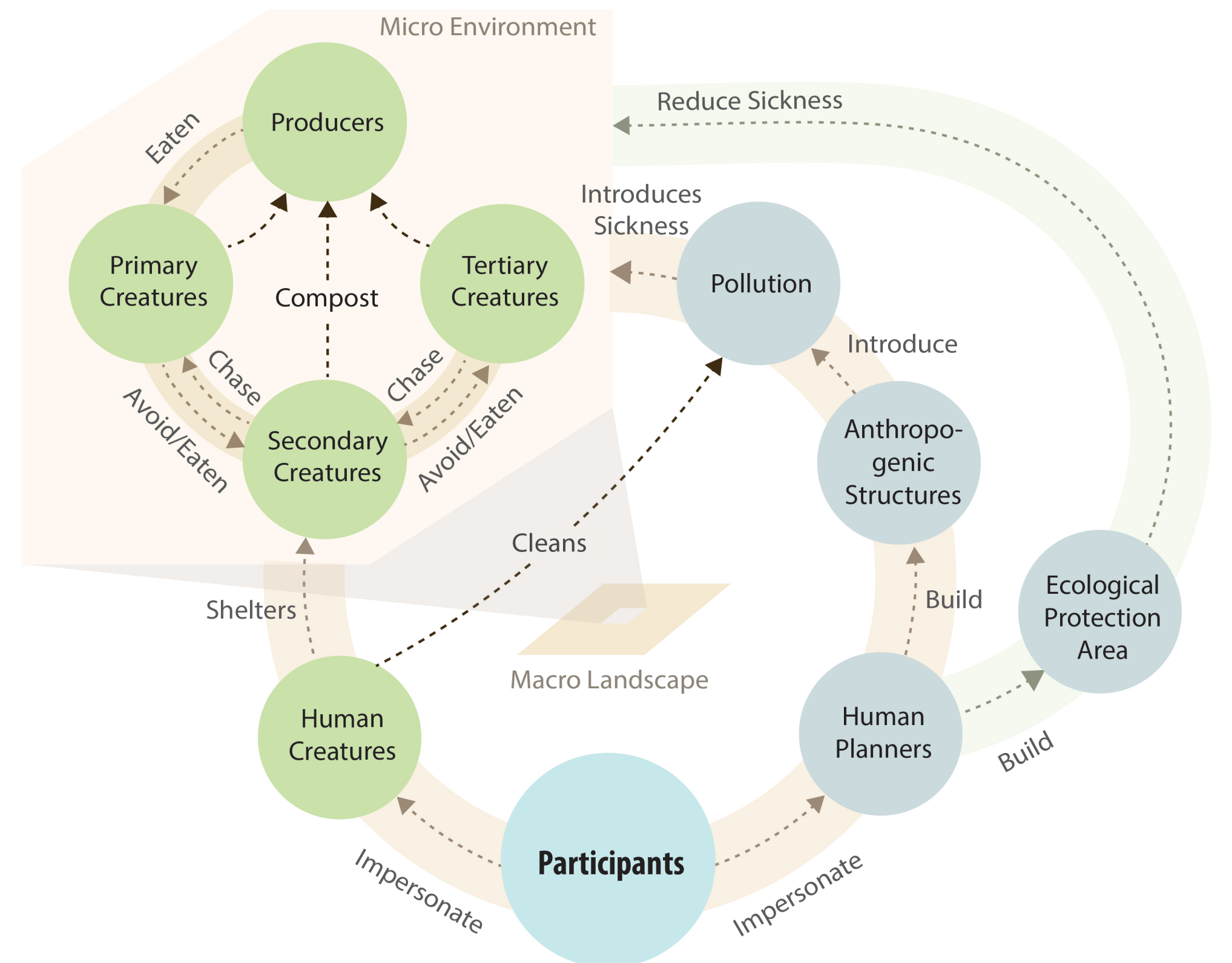
Encounter

Experience Artificial Life through a Mixed Reality Installation

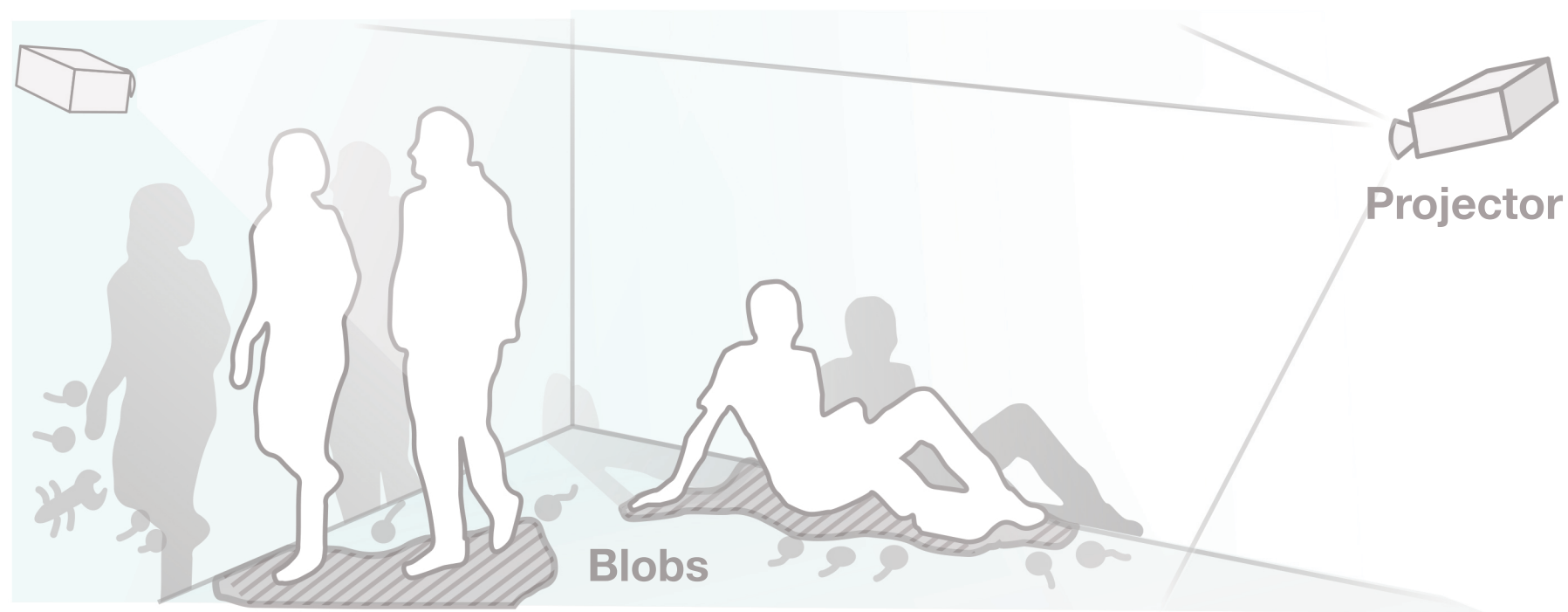
LE EECS 4700 Digital Media Project | Youhan Guan | LaLaine Ulit-Destajo | Rose Mengmei Zhou

Abstract Encounter explores the experience of co-existence with synthetic creatures through mixed reality approaches. The installation consists of an immersive projection space and a tangible play area. In the projection space, participants become virtual creatures that explore the ecosystem on a local scale. At the tangible station, participants impersonate planners of the habitat to shape the environment globally. The autonomous creatures are responsive to their habitat, but they may not choose to embrace all the changes that the planners introduce.

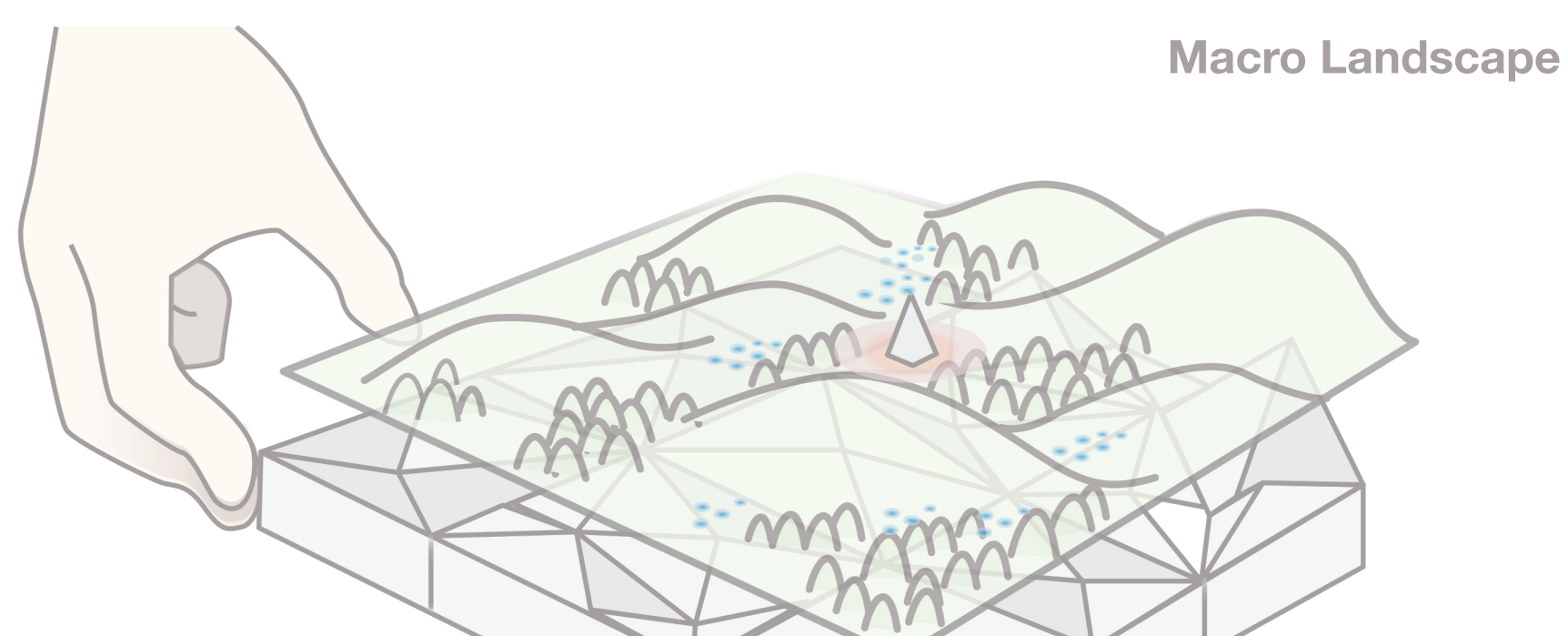
Interaction Diagram



Creatures' behaviours dynamically change according to their surroundings.



Participants interact using their body movements in the projection space.



The combination of tangible objects enable participants to shape the environment globally

Expected Result By experiencing the ecosystem from two perspectives, participants can explore, interact, and collaborate both with virtual creatures and fellow humans.

Tools Projectors, Unity, Depth Cameras, AR Interfaces.



Illustrations and diagrams created by Youhan Guan | LaLaine Ulit-Destajo | Rose Mengmei Zhou