

Hexagonal Antiprism



Deform the top and the bottom



Remove the top and the bottom



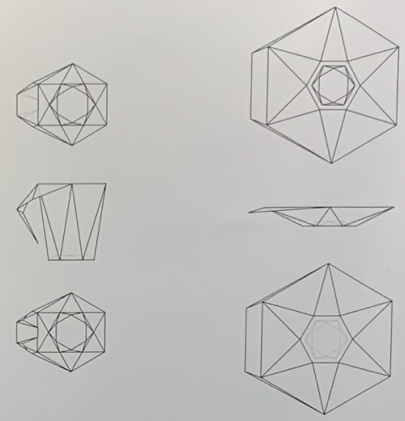
Add handle



Connect handle to body

C

### Design Evolution



### Cup and Saucer Orthogonal Views



Hexagonal Antiprism

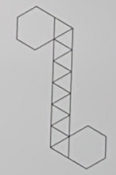


Deform the top and the bottom



Remove the top and the bottom

### Bottom Part

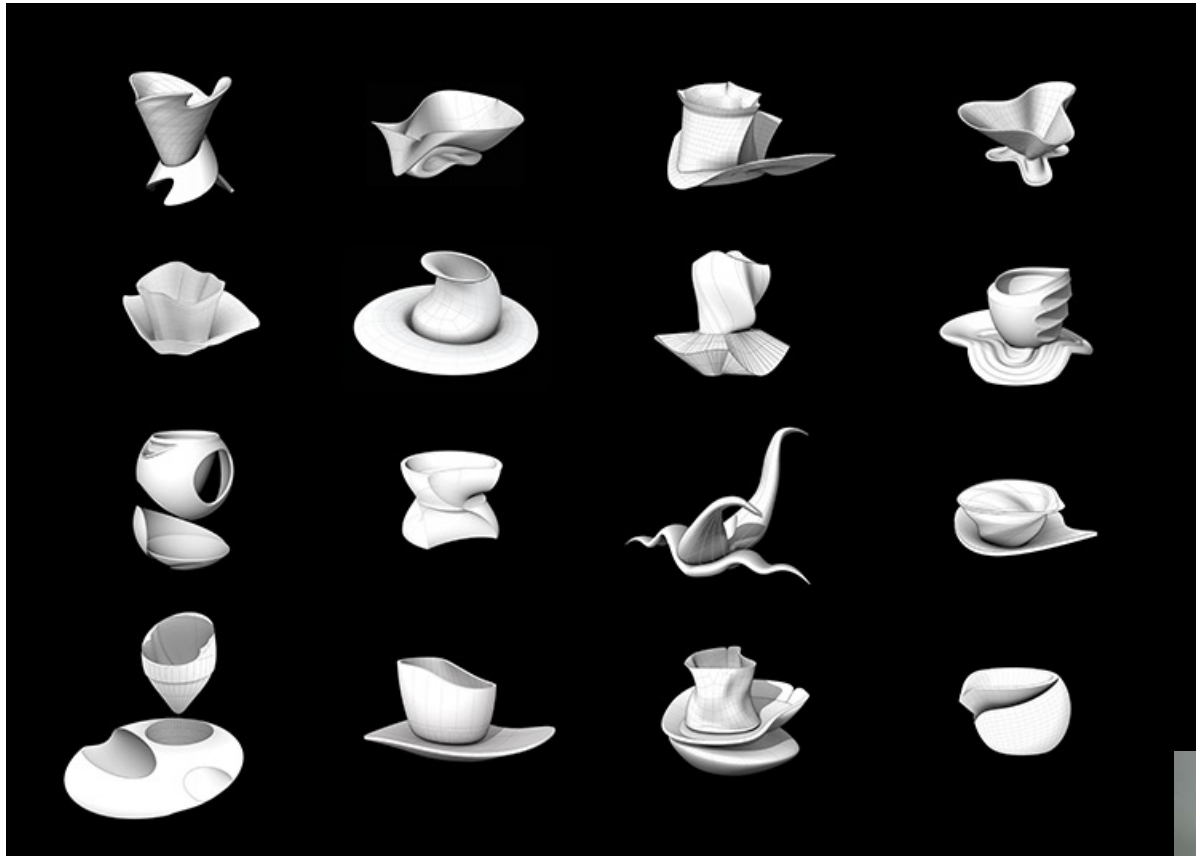


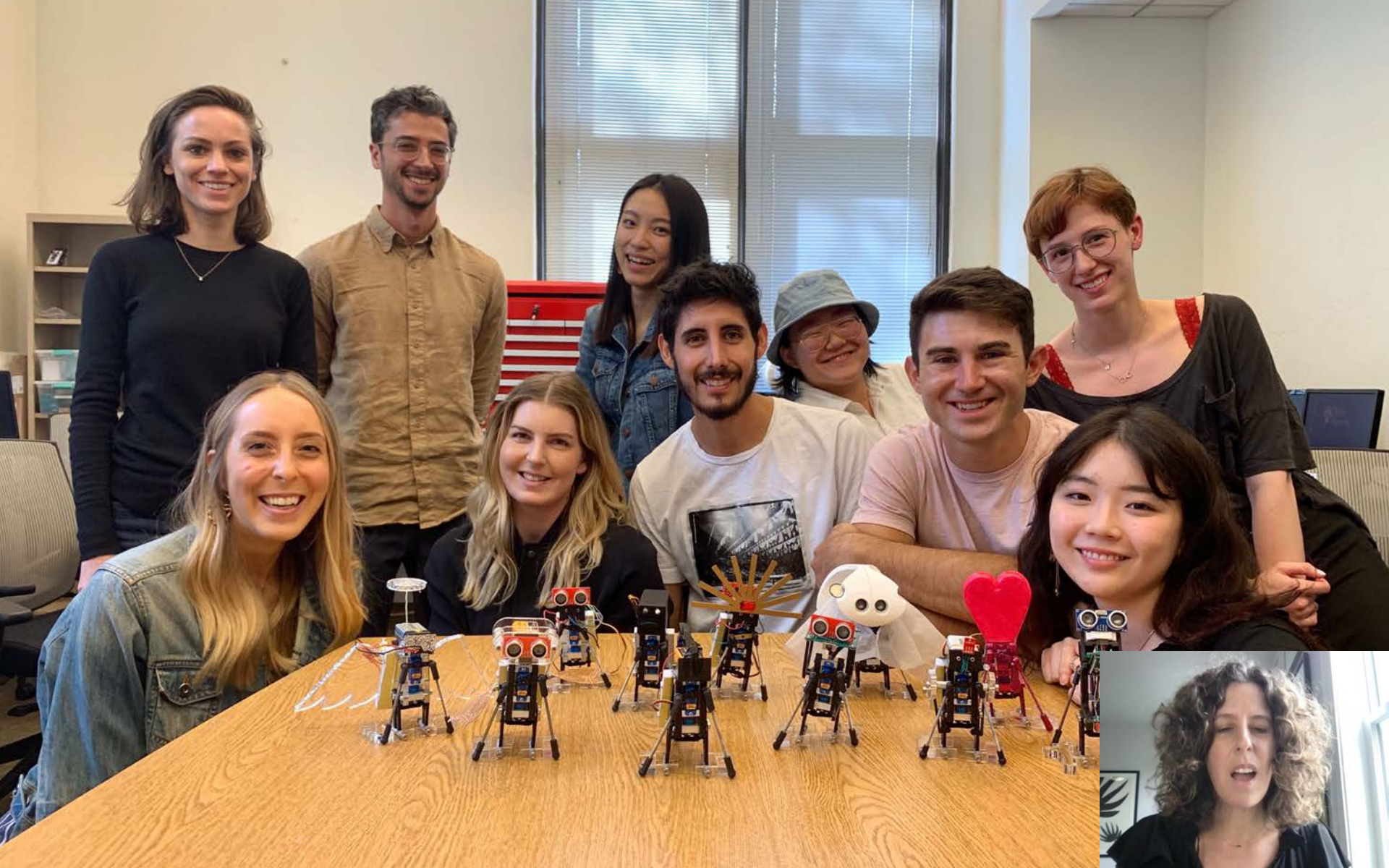
Hexagonal Antiprism



Deform the top and the bottom







# Human-centered design

VIABILITY

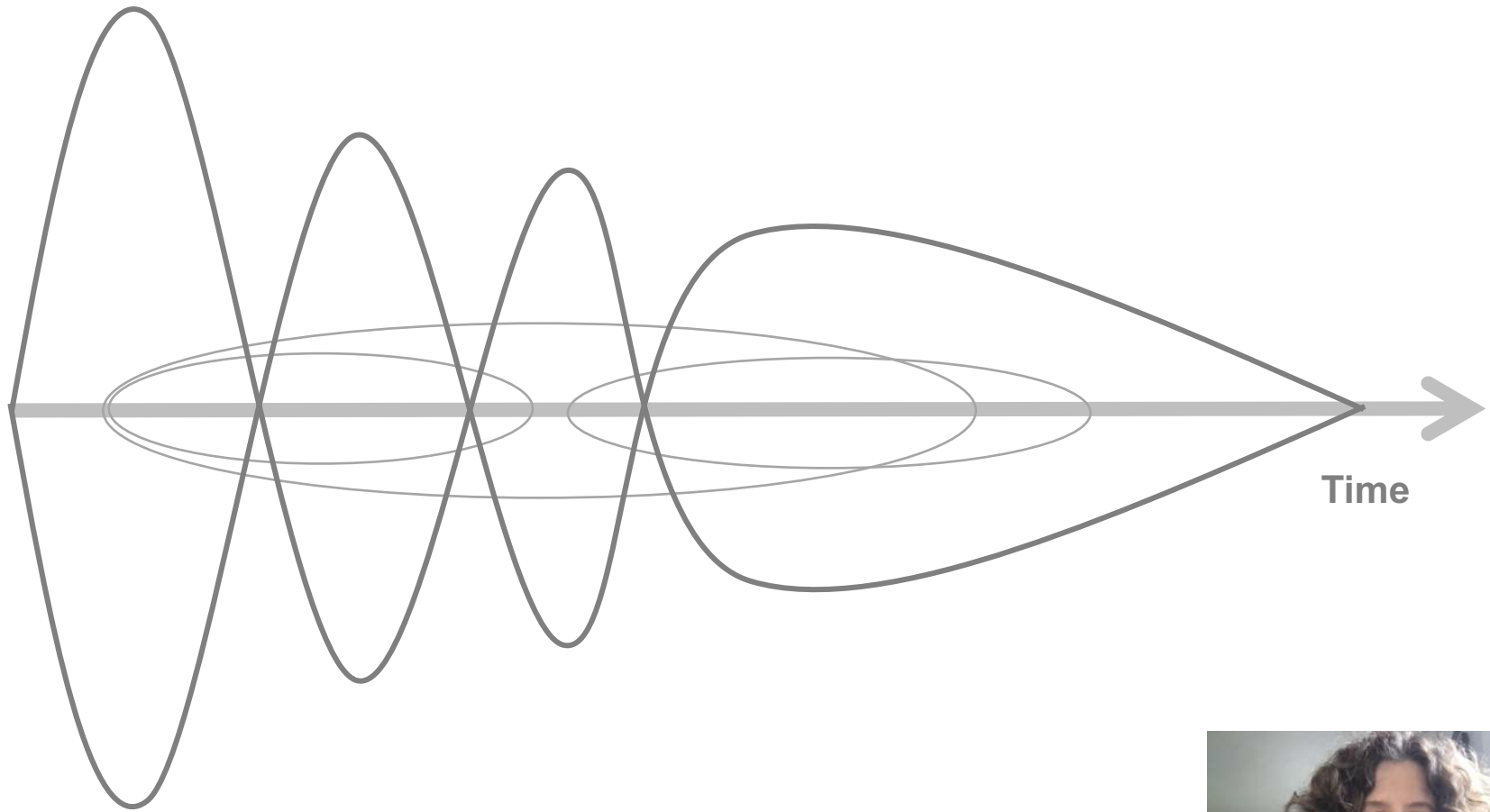
DESIREABILITY

FEASIBILITY

The solutions that emerge at the end of the Human-Centered Design address the overlap of these three lenses: they will be **Desirable, Feasible, & Viable**.

We start with **Desirability**.



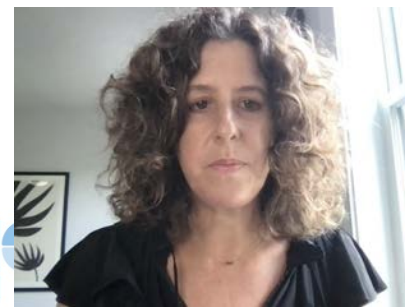


Investigate

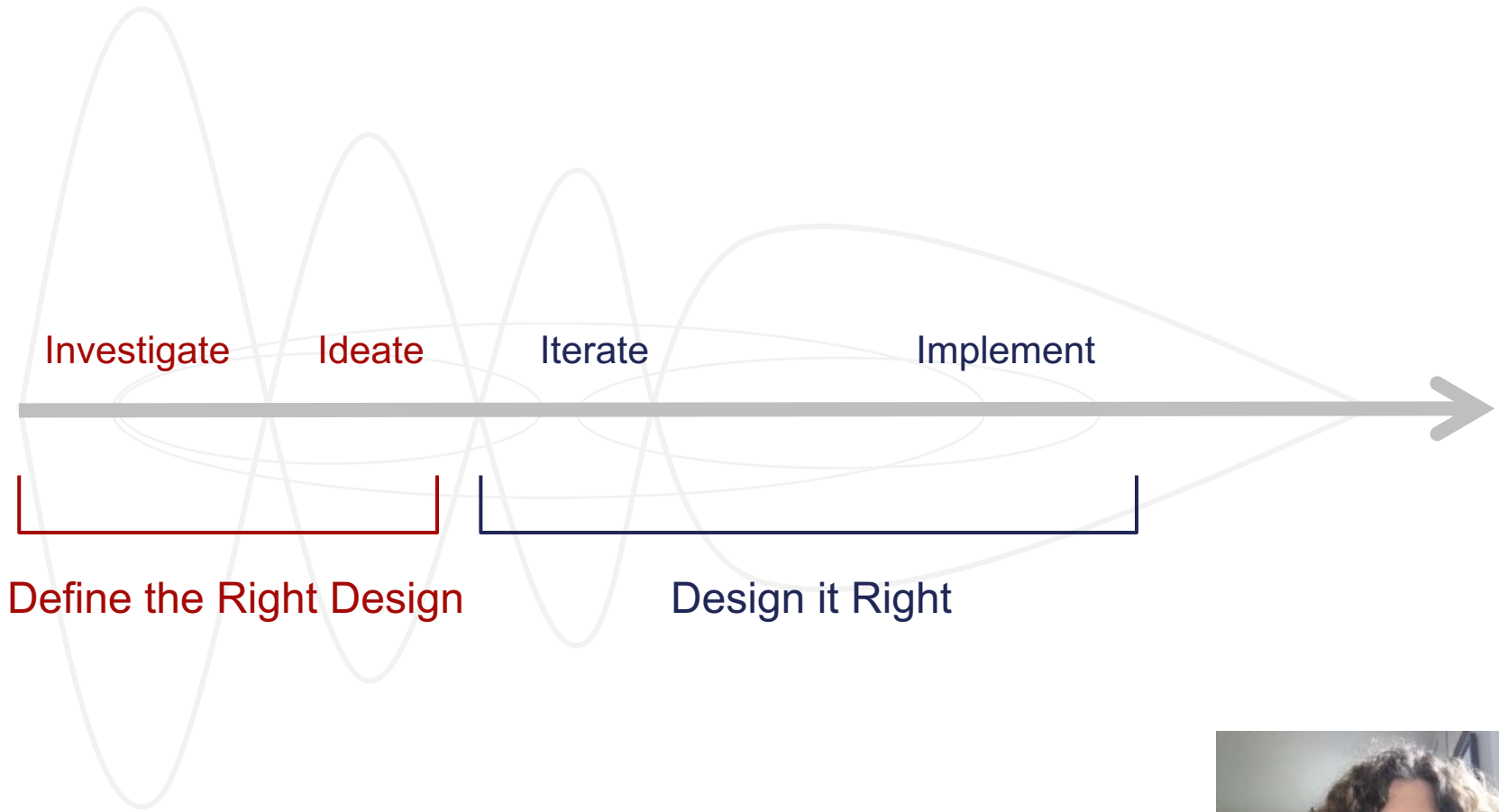
Ideate

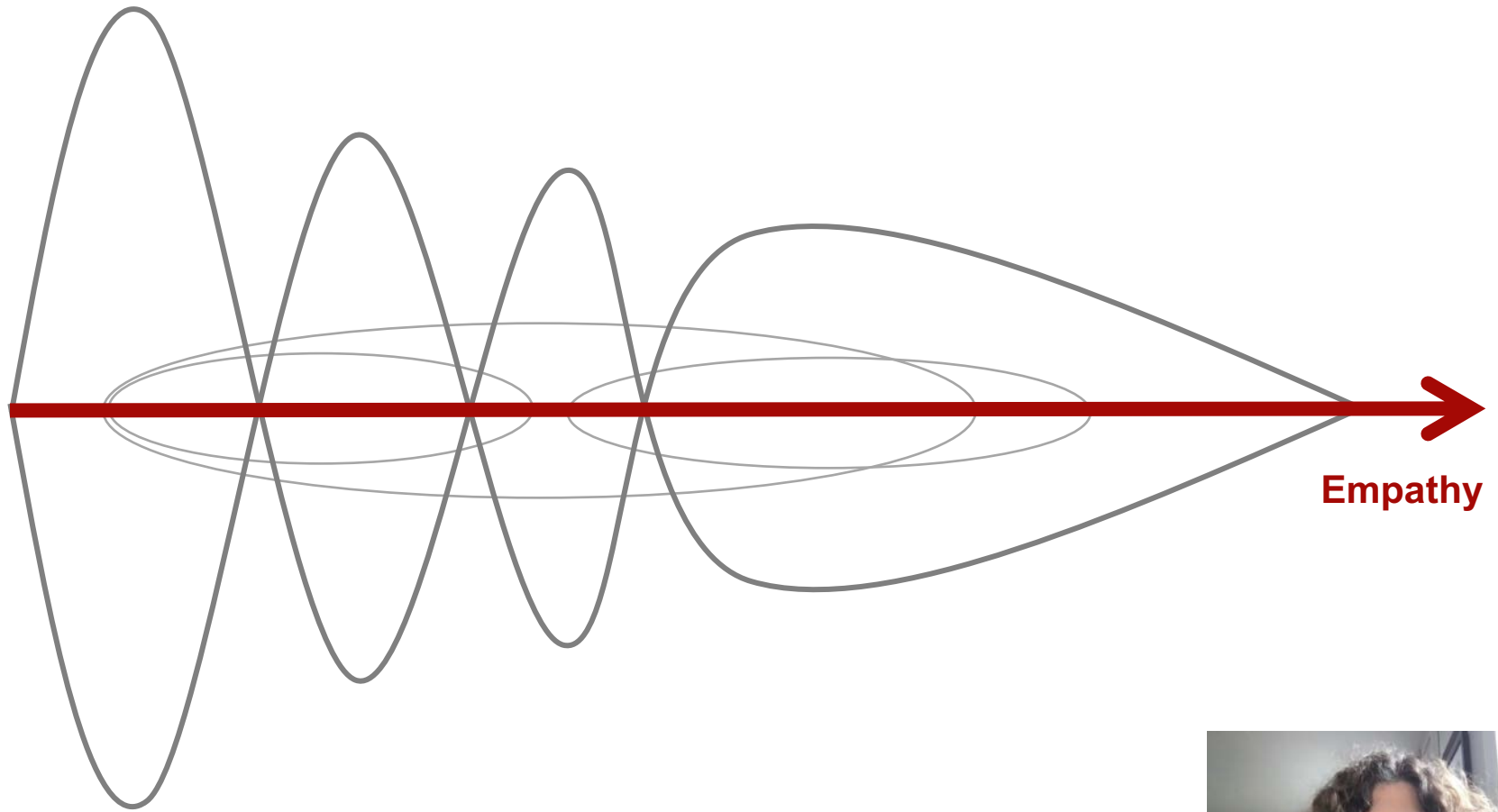
Iterate

Implement









Investigate

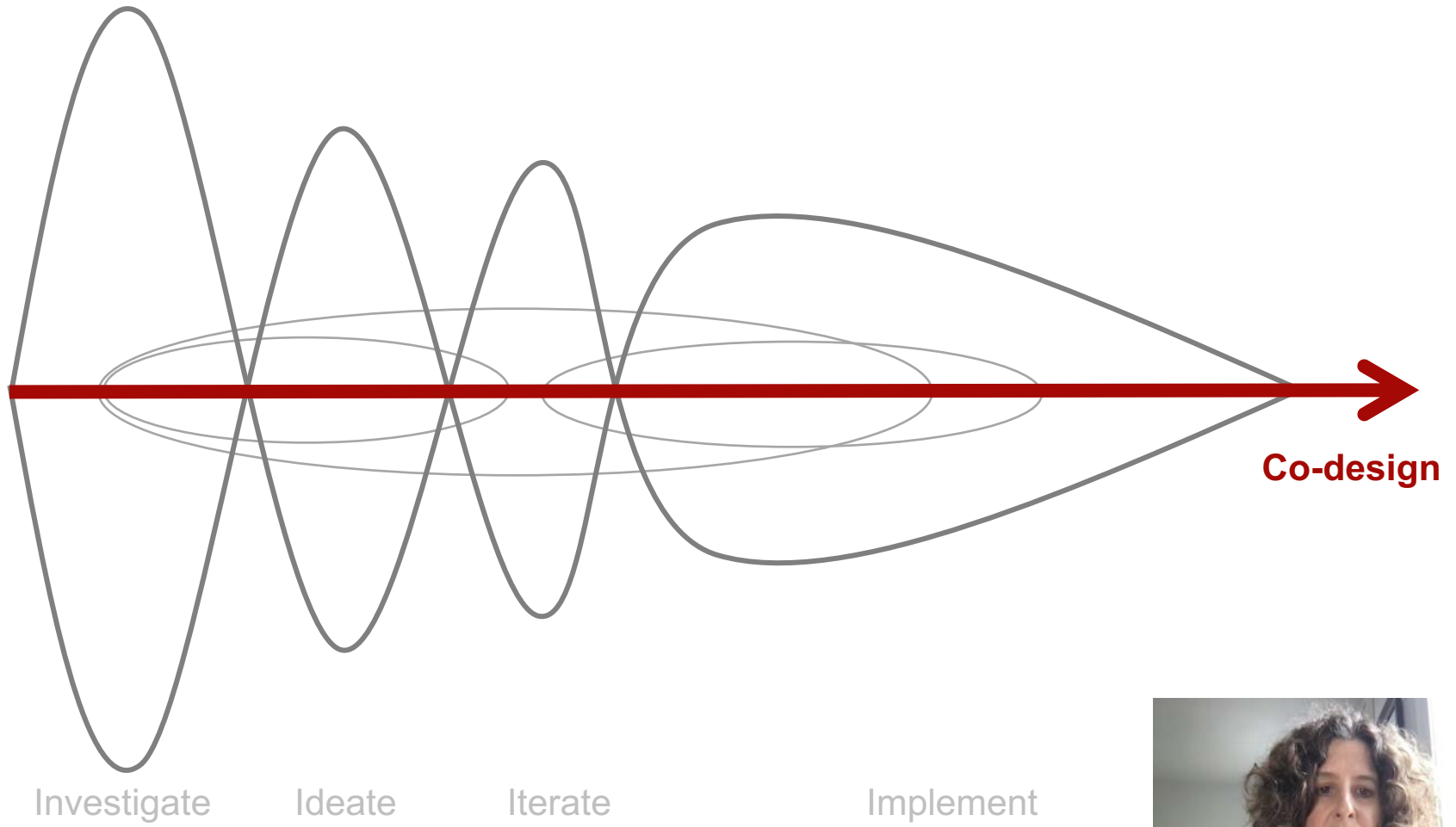
Ideate

Iterate

Implement

**Empathy**





# HCD in Social Innovation

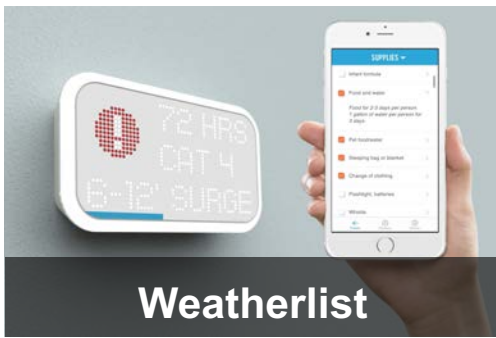
**NEW IDEAS DIFFUSED  
THROUGH ORGS WHOSE  
PRIMARY GOALS ARE SOCIAL**

Primarily non-profits,  
governments, NGO

**NEW IDEAS OR  
SOLUTIONS THAT CREATE  
SOCIAL VALUE**

Primarily start-ups or established  
businesses, often in partnership  
with social entities

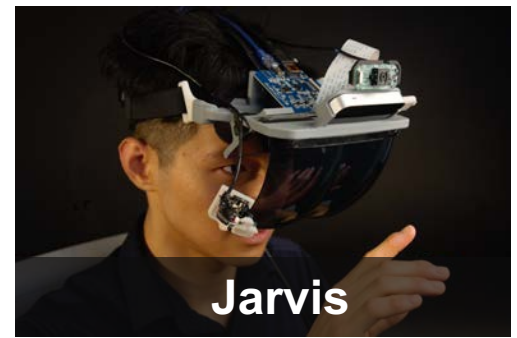




**Weatherlist**



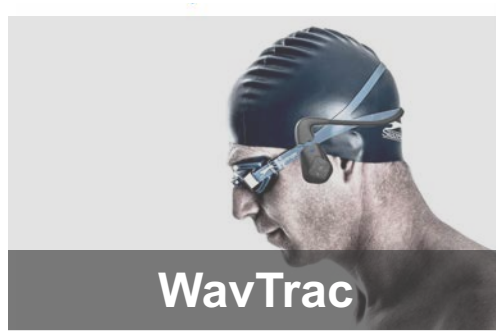
**Rekindling**



**Jarvis**



**Hint**



**WavTrac**



**Cibo**



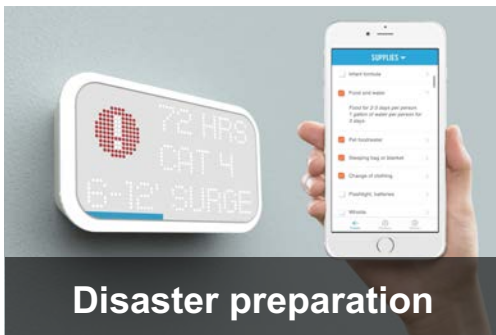
**Ambria**



**2me**



**C**



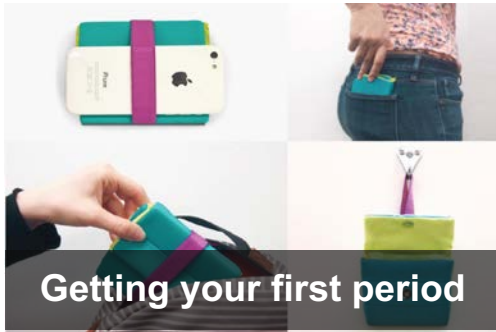
Disaster preparation



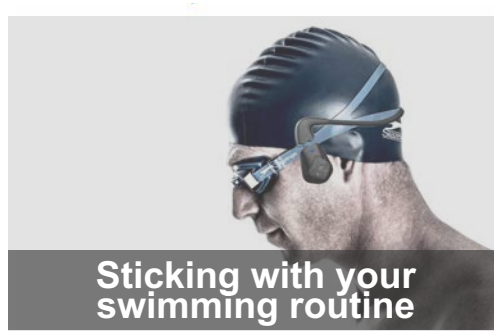
Helping families affected by cancer



Better diagnostics for ADHD



Getting your first period



Sticking with your swimming routine



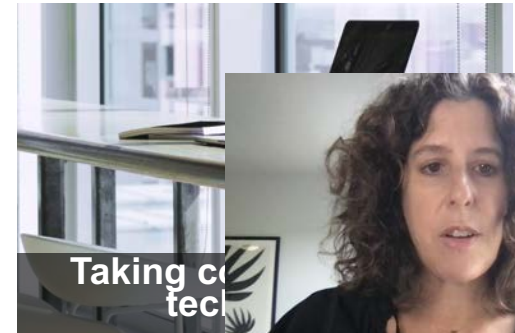
Preventing food waste



Measuring urine output



Preventing newborn falls



Taking care of tech

# swiv

A better brush  
for all abilities



# swiv







LEARNING

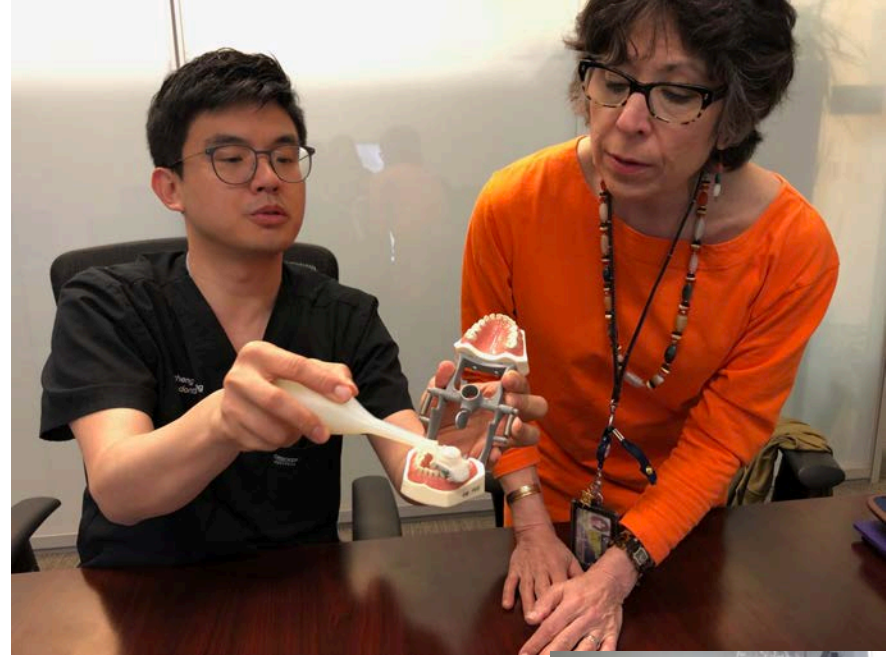
MOTOR  
FUNCTION

ATTENTION

SV







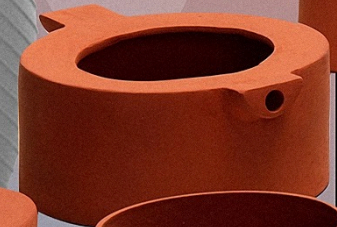
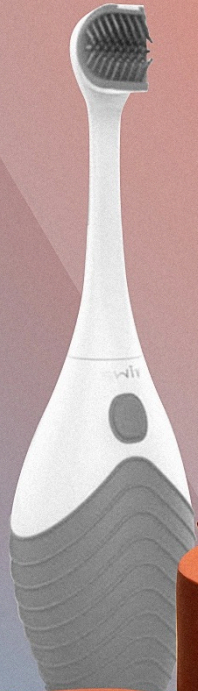
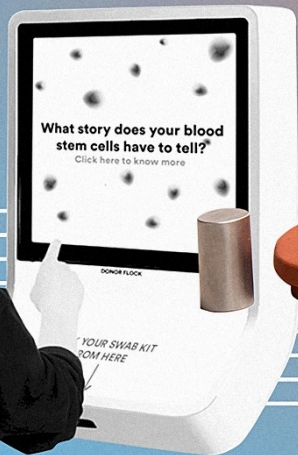
swiv



09.09.19 | INNOVATION BY DESIGN

# The best student design of 2019

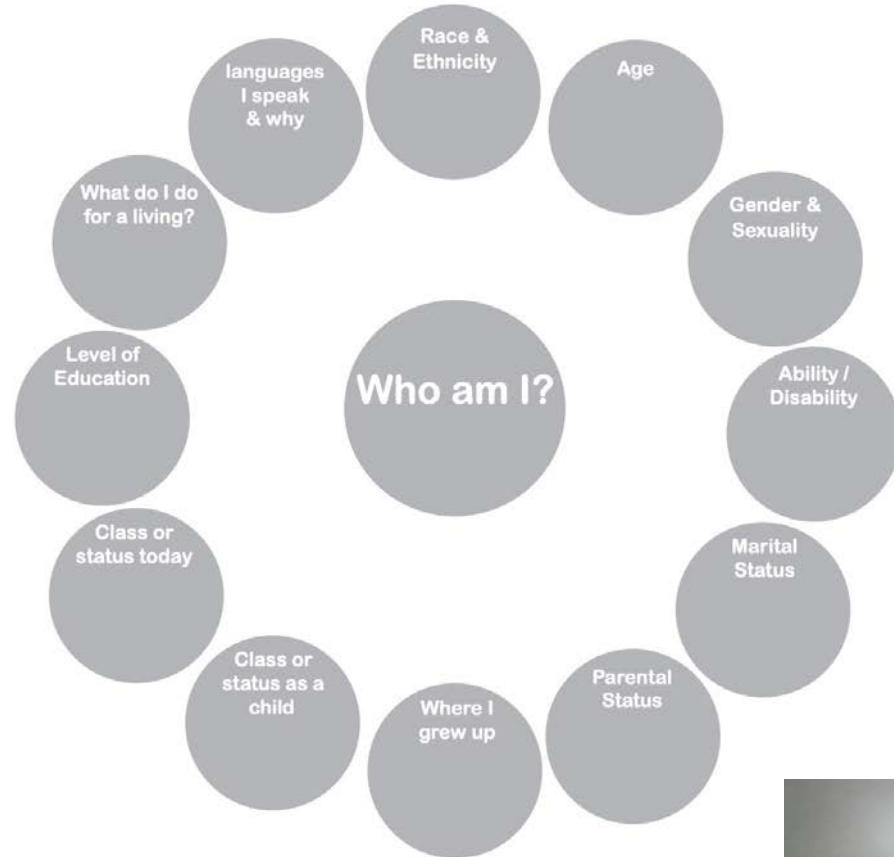
See all the honorees of the 2019 Innovation by Design Awards in the Students category.



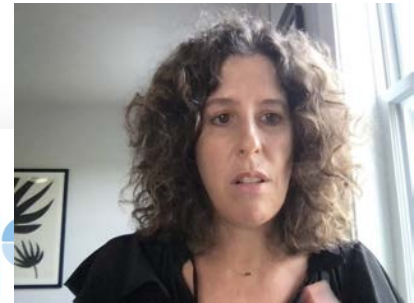
Deep collaboration  
across disciplines



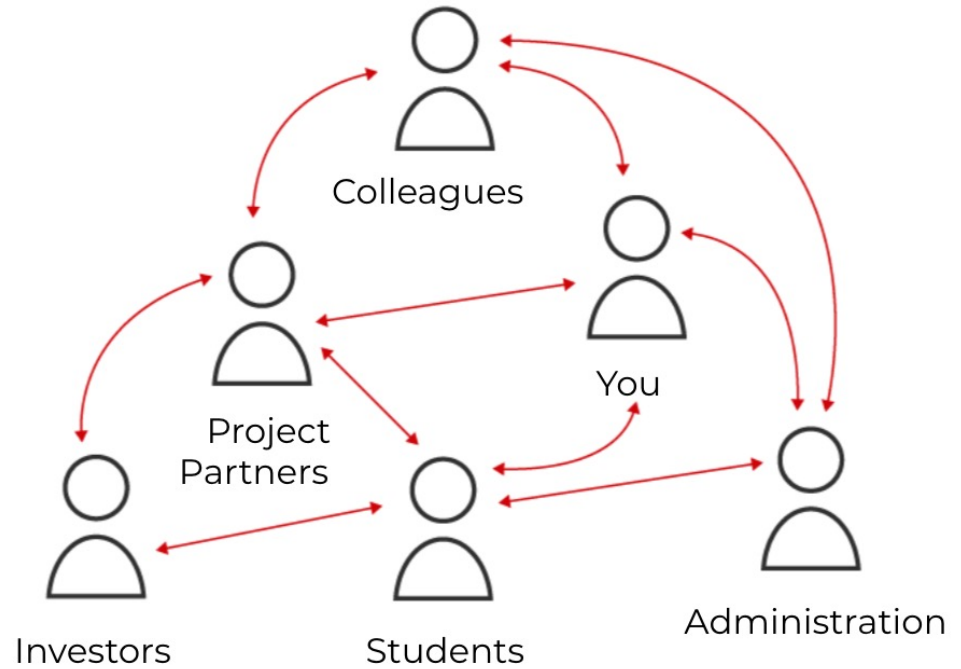
# Positionality Wheel By Lesley-Ann Noel



© Lesley-Ann Noel

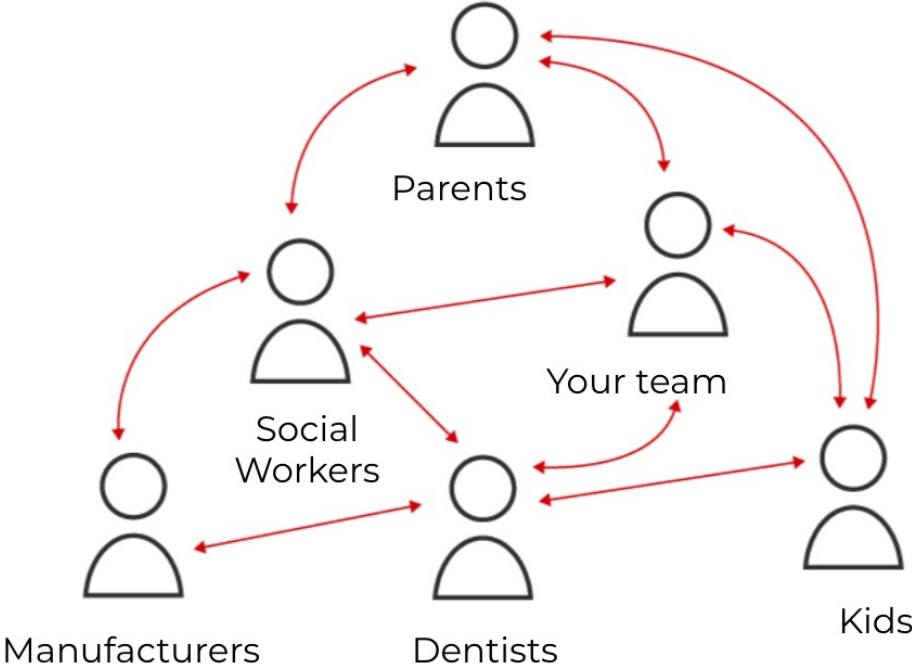


## Mapping Power Dynamics

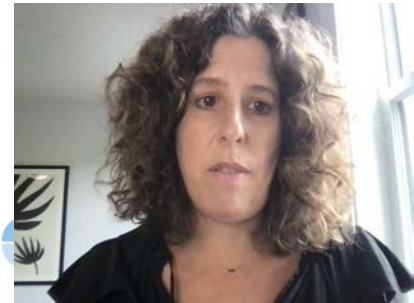




# Mapping Power Dynamics



Intention  $\neq$  Impact



## Aligning Intention and Impact

Partnering and building in time to collaborate with community partners and funding for their engagement

Sharing leadership, ownership and benefits

Co-creating metrics for success that incorporates multiple goals and perspectives

Co-design, and working together to prototype and test ideas

Evolving and iterating goals and metrics





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