

lab   street

B

step 1

Grab 0. Write words that define your background, what you do, and what you like that inform your work.

0. Background

2'

step 2

Check the words you've written in step 1 and classify them among these 6 profile categories.

PROFILES



Sciences ("Lab")



Social Sciences + Communication



Arts & Design



Education ("Any level")



Research



Other

step 3

Grab 1. Take 5 minutes and think about the process you would follow from the Lab to the Street. What does Lab mean for you? And Street?

1. Draw your process to bring science “from the lab to the street”

lab →

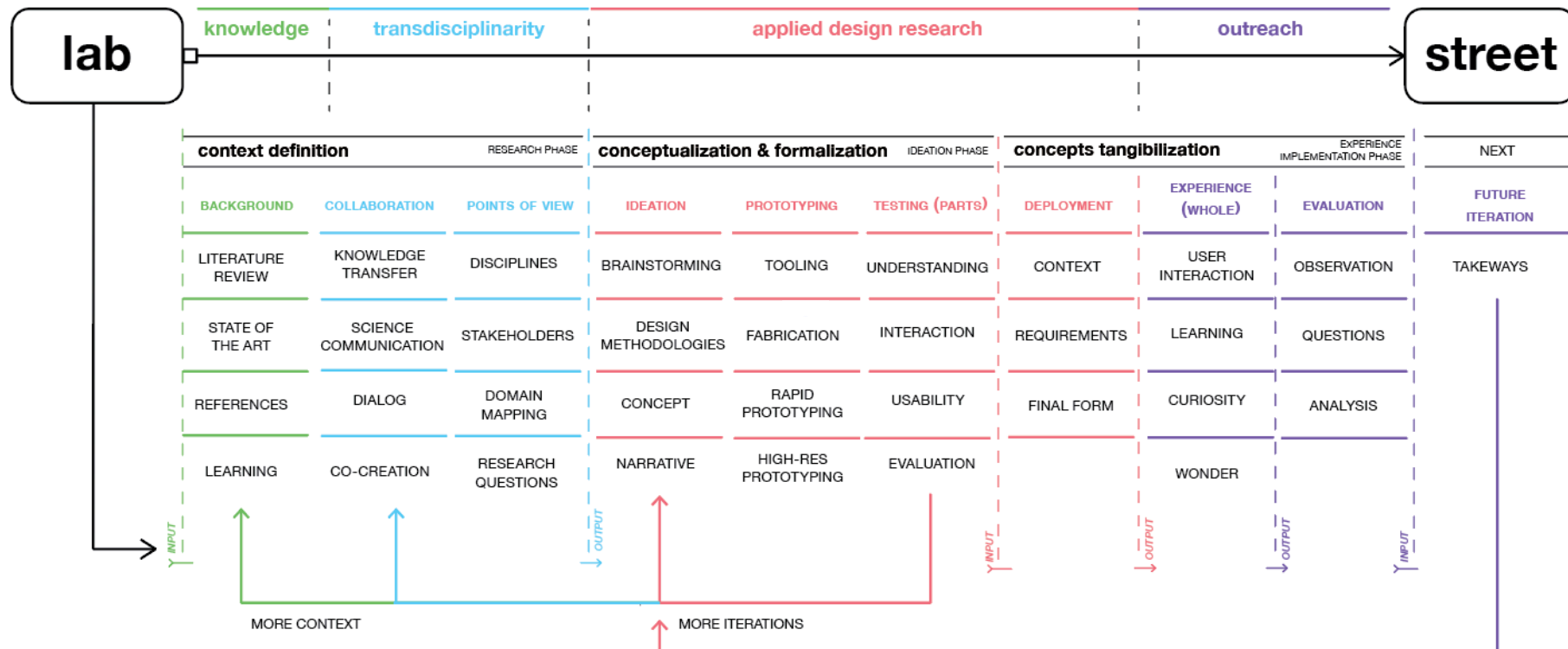
→ street

5'

step 4

There are different stages and options to go from the Lab to the Street. The Tangible Science Framework considers different phases and proposes some alternatives to Iterate. Check booklet A if you want to learn more at any time.

Tangible Science Framework

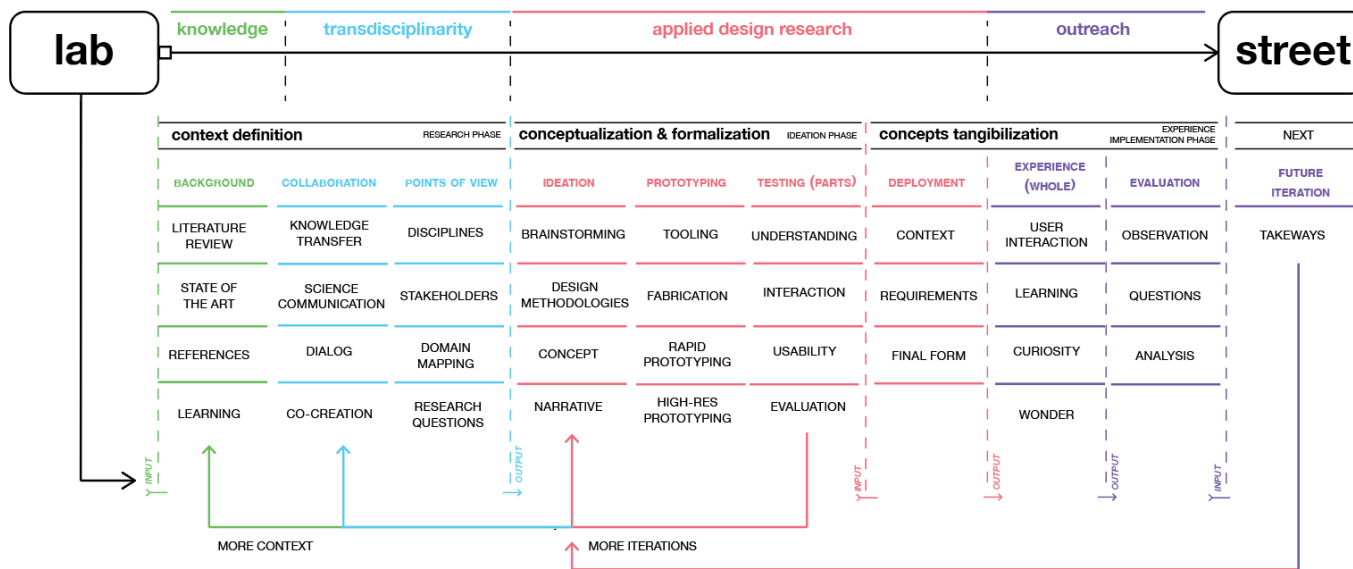


step 4

Grab 2. Look at the Tangible Science Framework and circle your area of expertise.

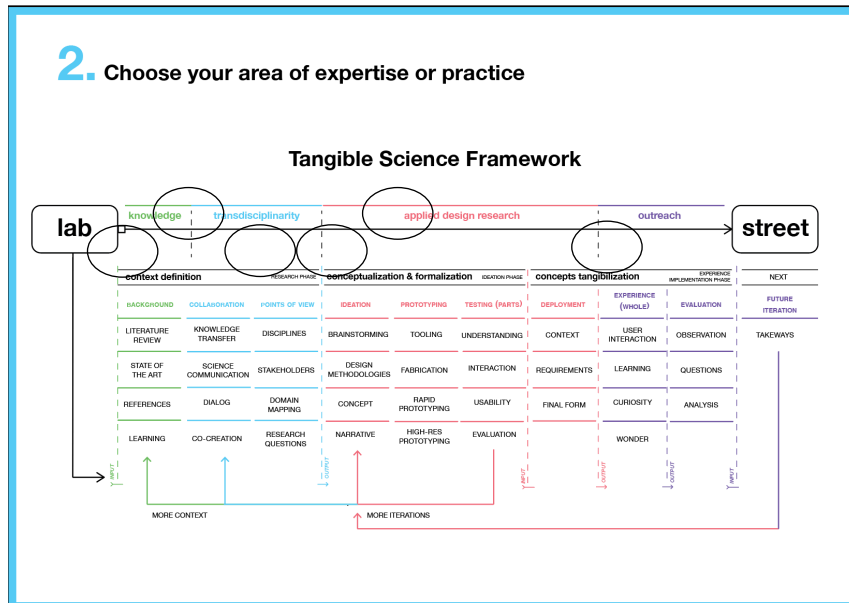
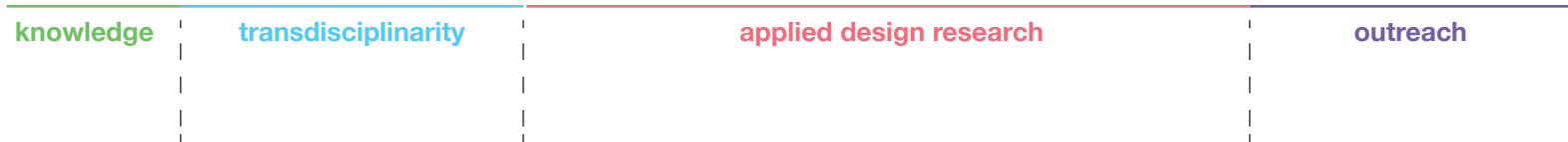
2. Choose your area of expertise or practice

Tangible Science Framework



step 4

Check your circles to map your expertise within the T-Sci Framework using colors according to the legend.



expertise



expertise



expertise



step 5

15 experts filled the same documents as you just did. Data was mapped using the legend below visually summarizing profile, expertise, and lab-> street process. Check them out and, afterward, see if you want to customize your own framework. Check the legend as you go:

PROFILES



Sciences ("Lab")



Social Sciences + Communication



Arts & Design



Education ("Any level")



Research



Other

LAB -> STREET



BACKGROUND



INDIVIDUAL

TRANSDISCIPLINARITY



COLLABORATIVE

Collaboration
Points of view



INTERNAL

APPLIED DESIGN
RESEARCH



EXTERNAL

Ideation, Prototyping
Testing (Parts), Deployment

OUTREACH

Testing (whole), Evaluation
Future Iteration



OTHER

2

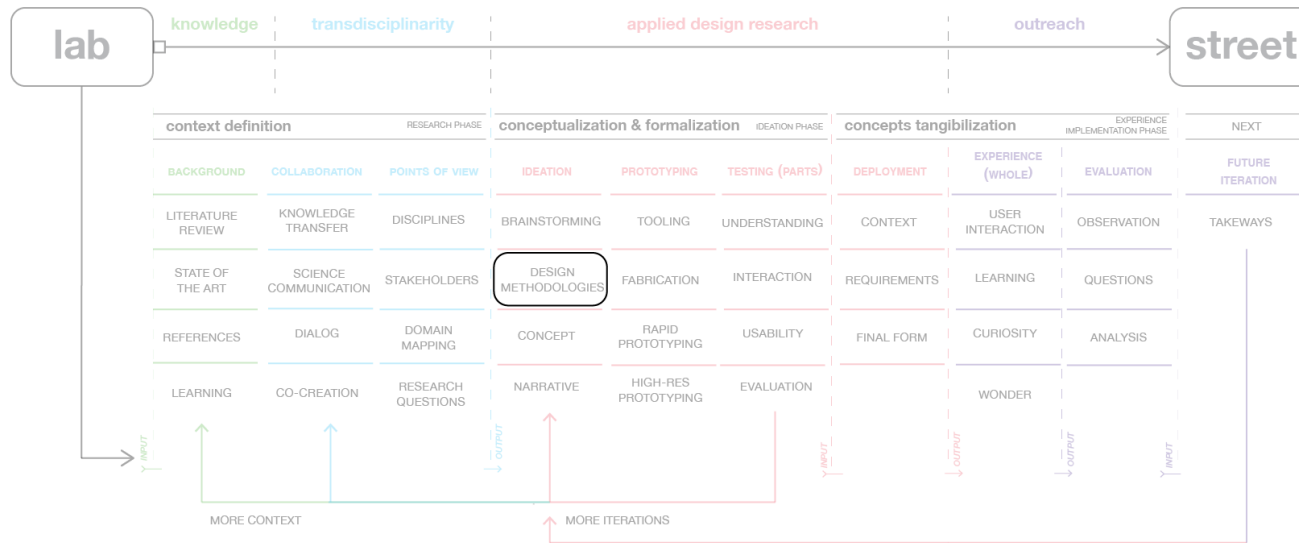
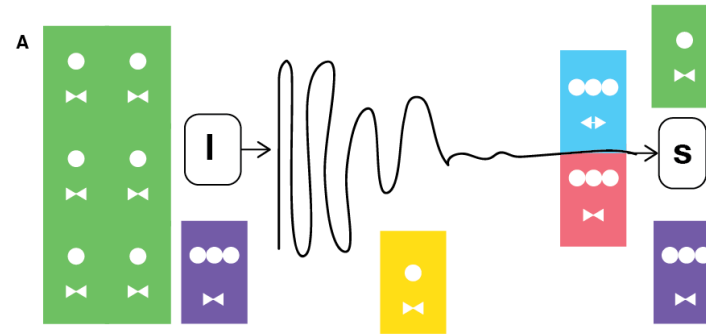
profile



expertise



lab -> street



3

profile

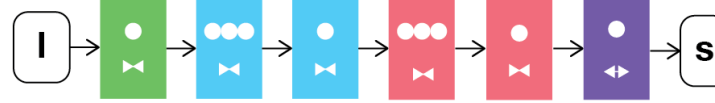


expertise

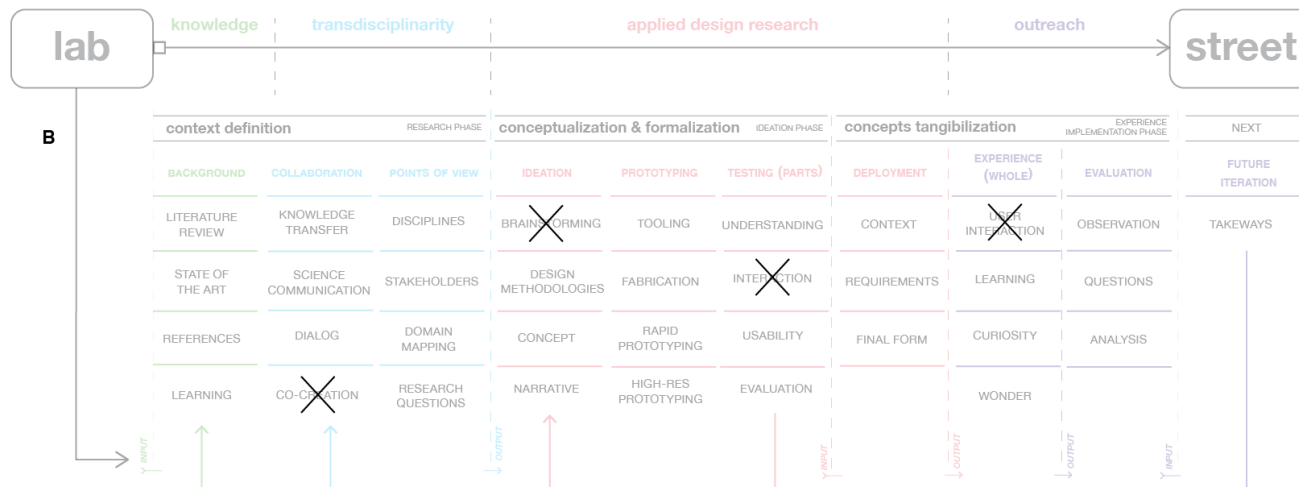
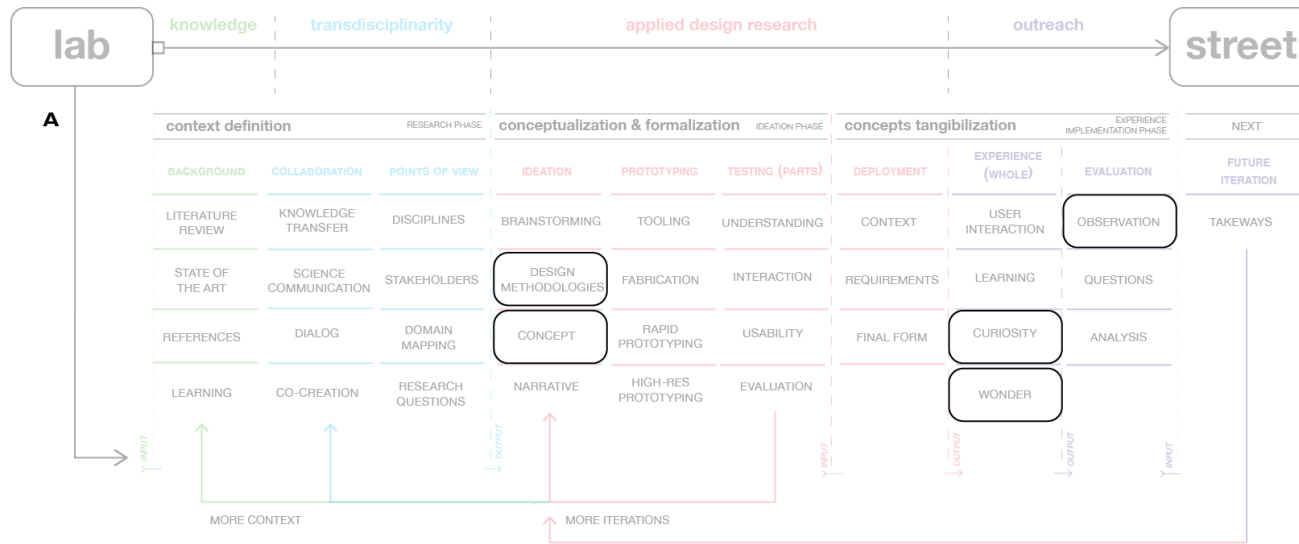
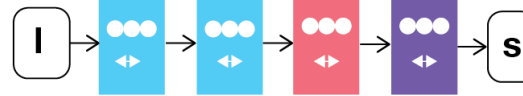


lab -> street

A. NEWS

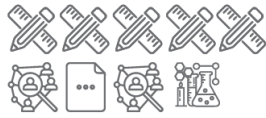


B. SCIENCE EDUCATION



4

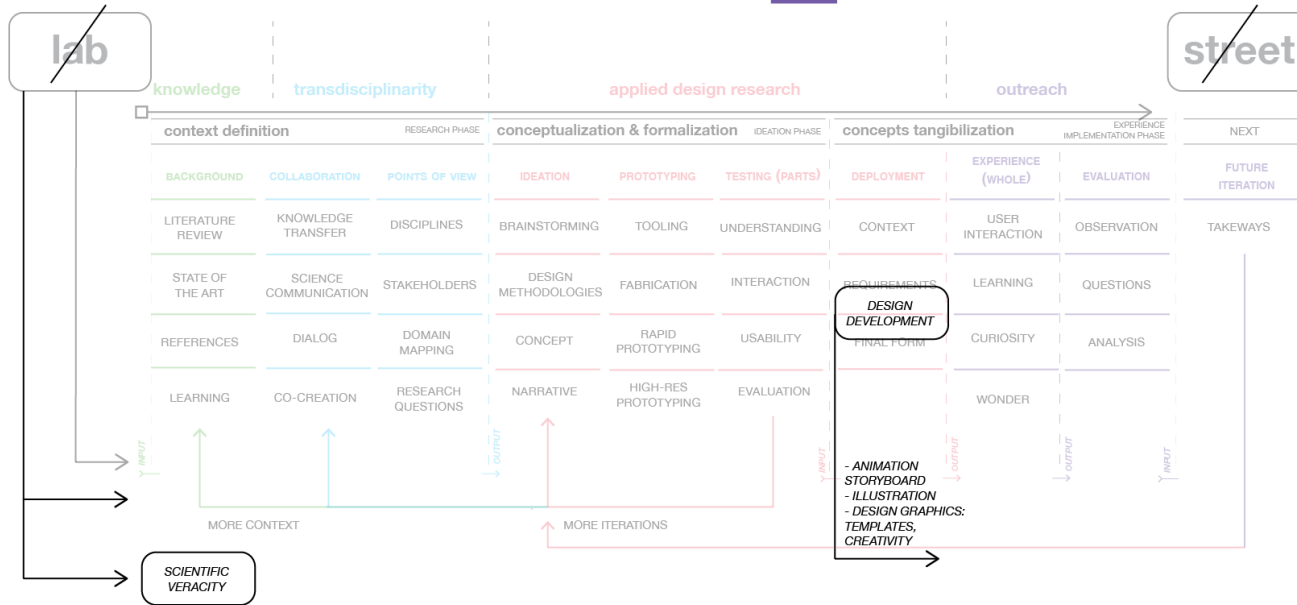
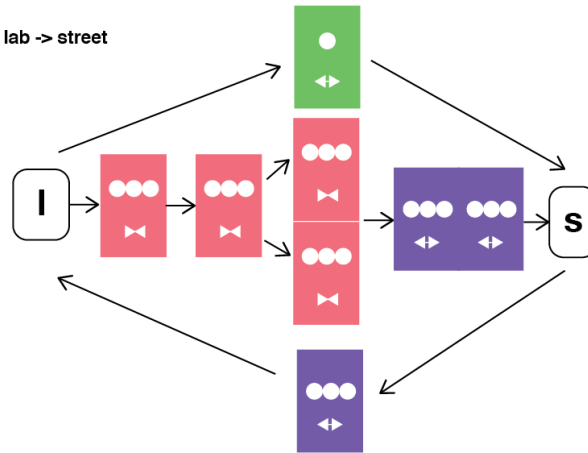
profile



expertise



lab -> street



5

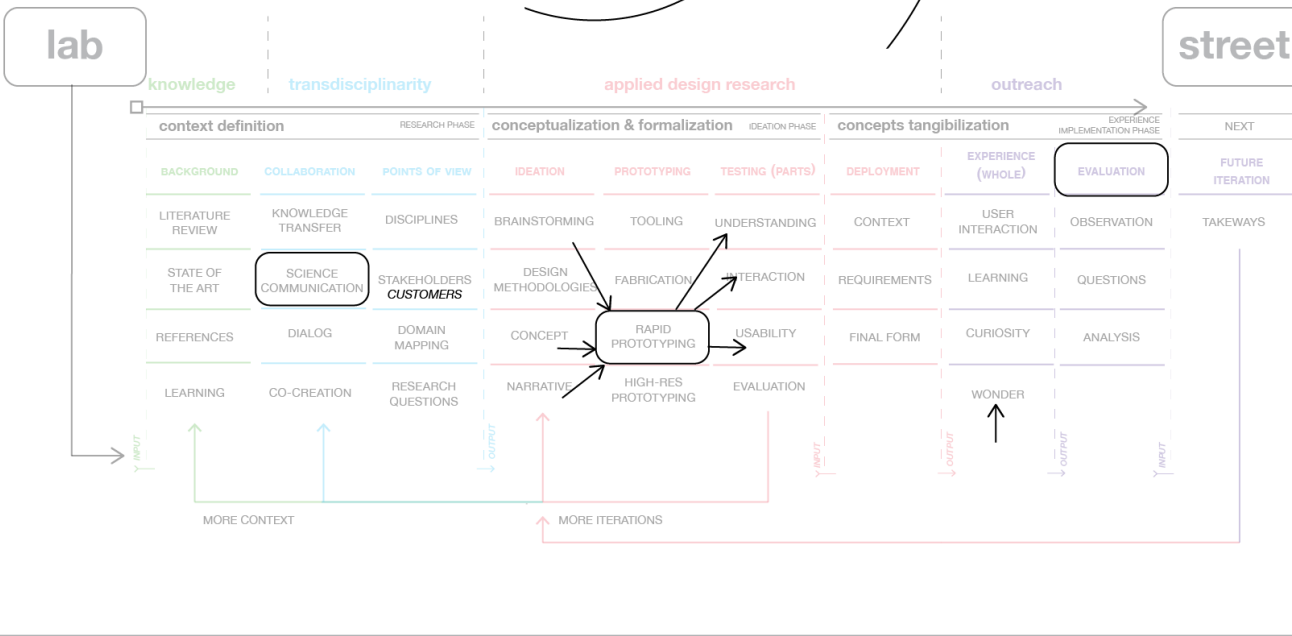
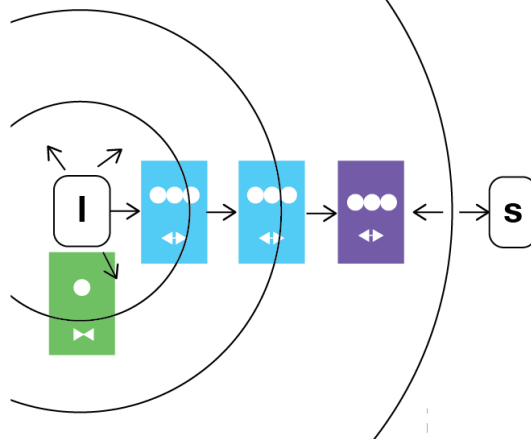
profile



expertise



lab -> street



6

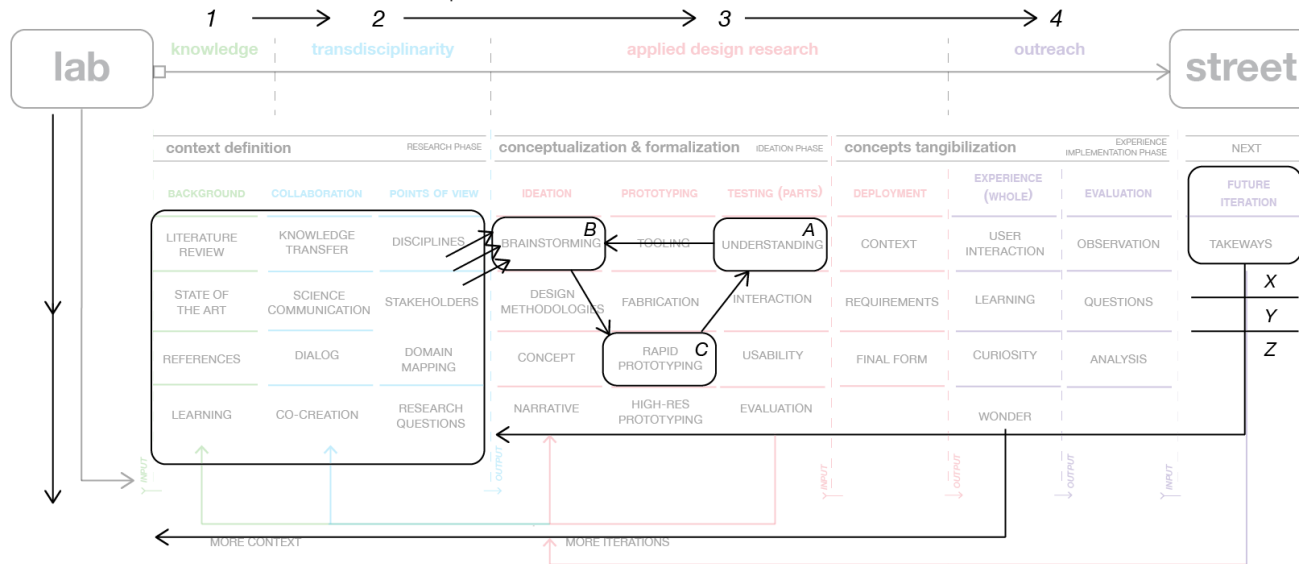
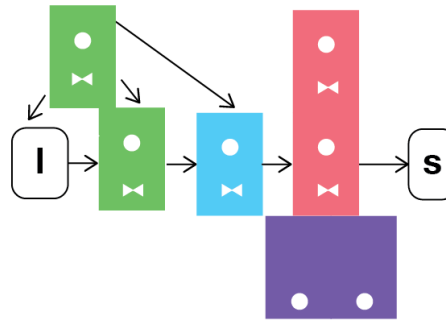
profile



expertise



lab -> street



A - MARKET RESEARCH
 B-SPECIFIC, MEETING A NEED OF FILLING A GAP
 C- CHEAP & DIRTY

8

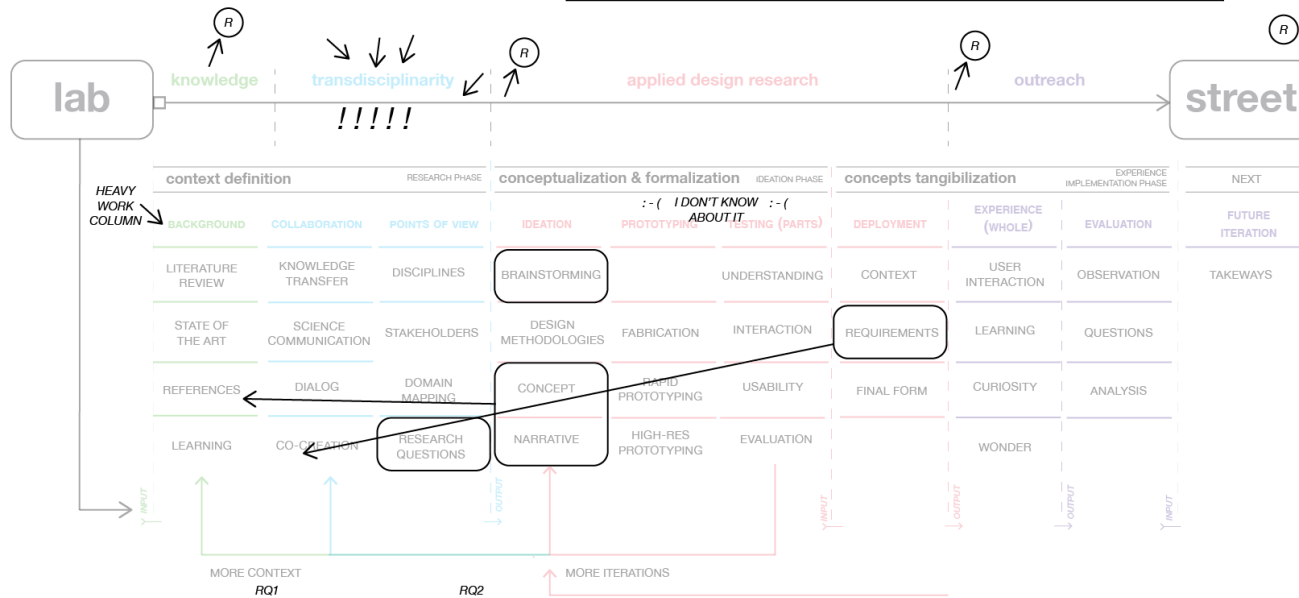
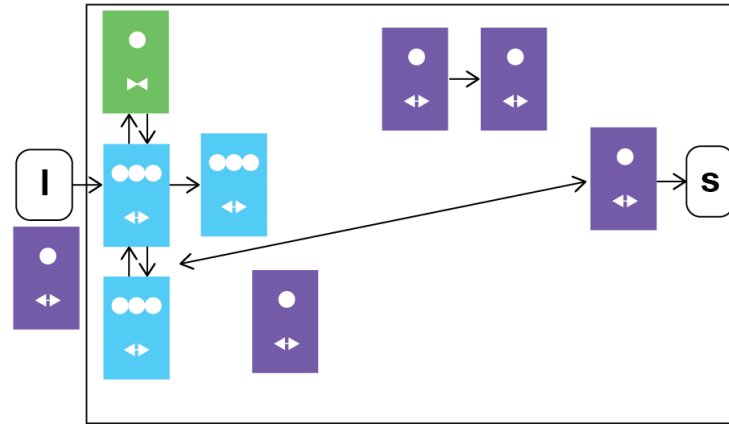
profile



expertise



lab -> street



9

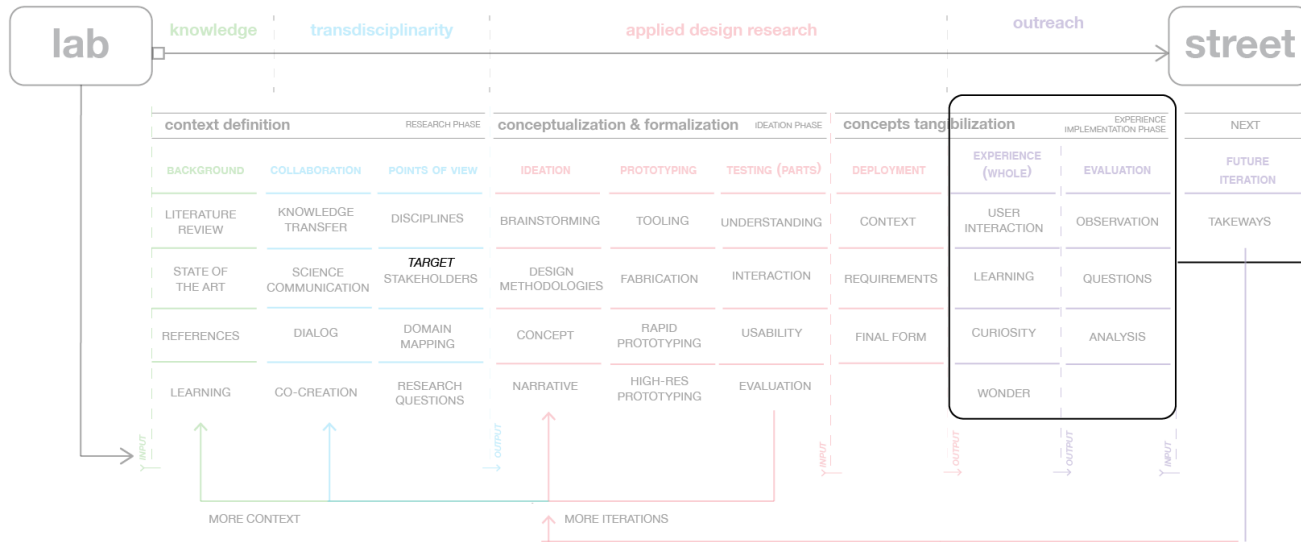
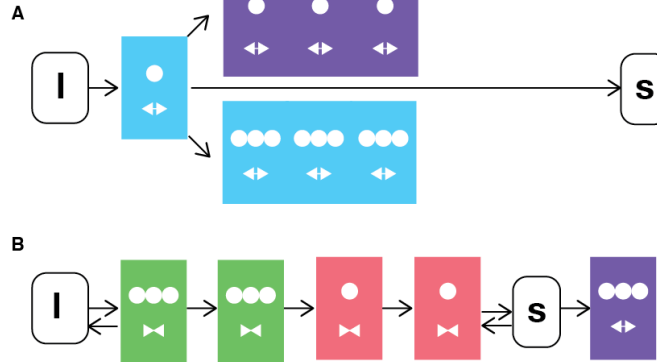
profile



expertise



lab -> street



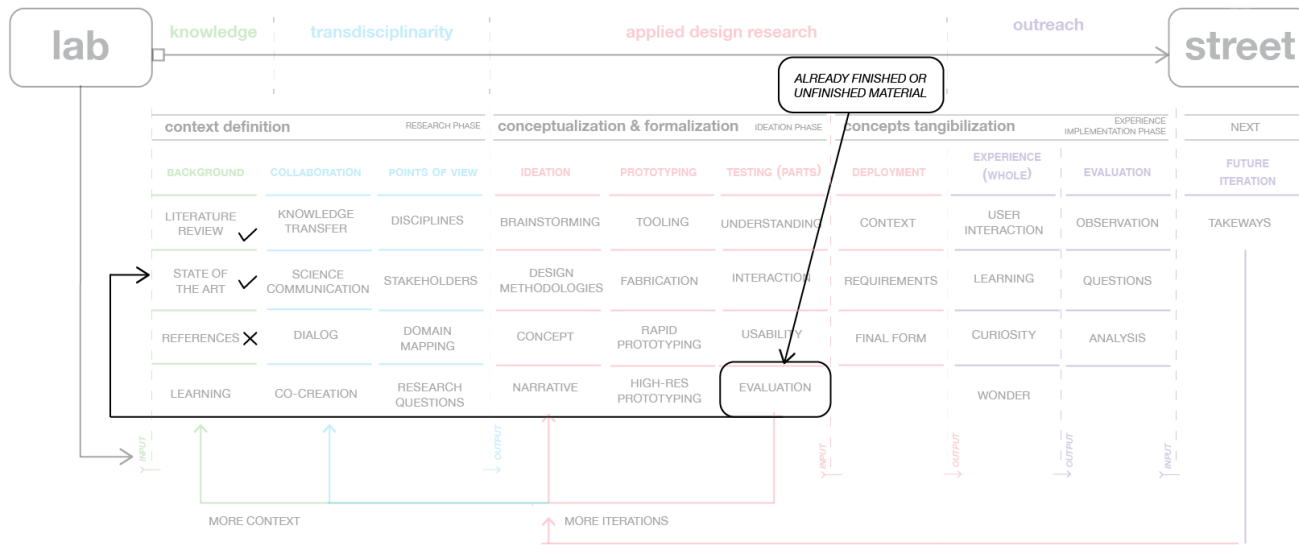
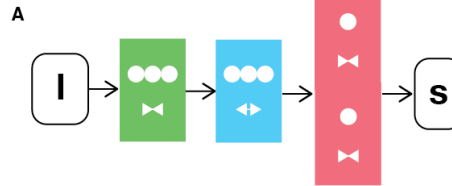
10 profile



expertise



lab -> street



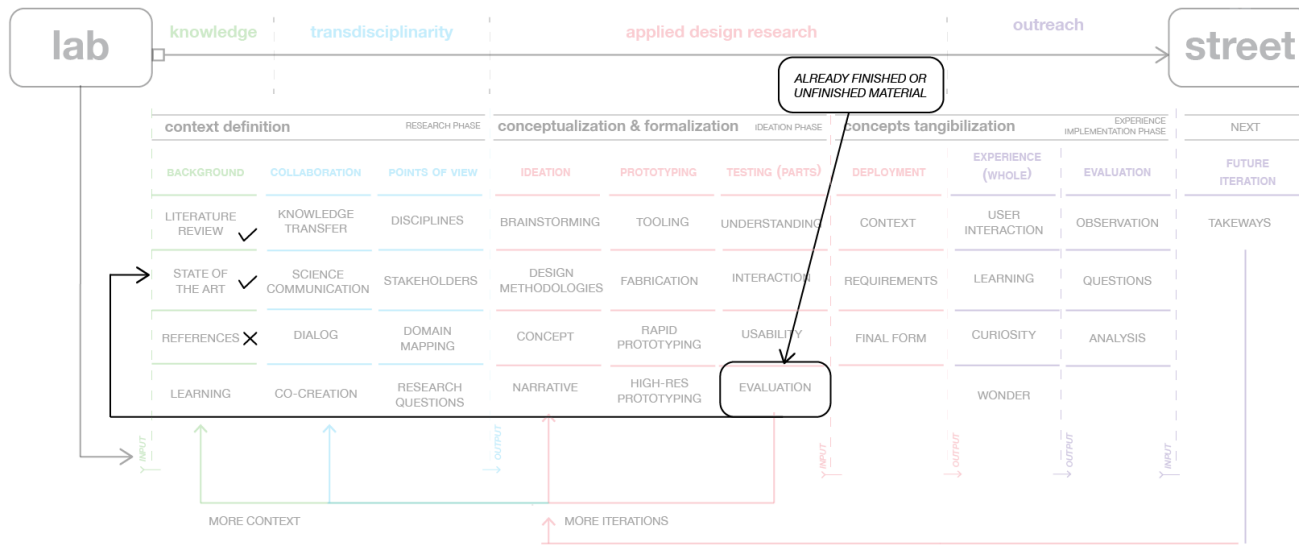
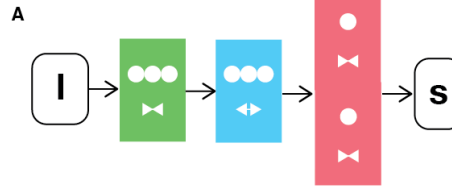
10 profile



expertise



lab -> street



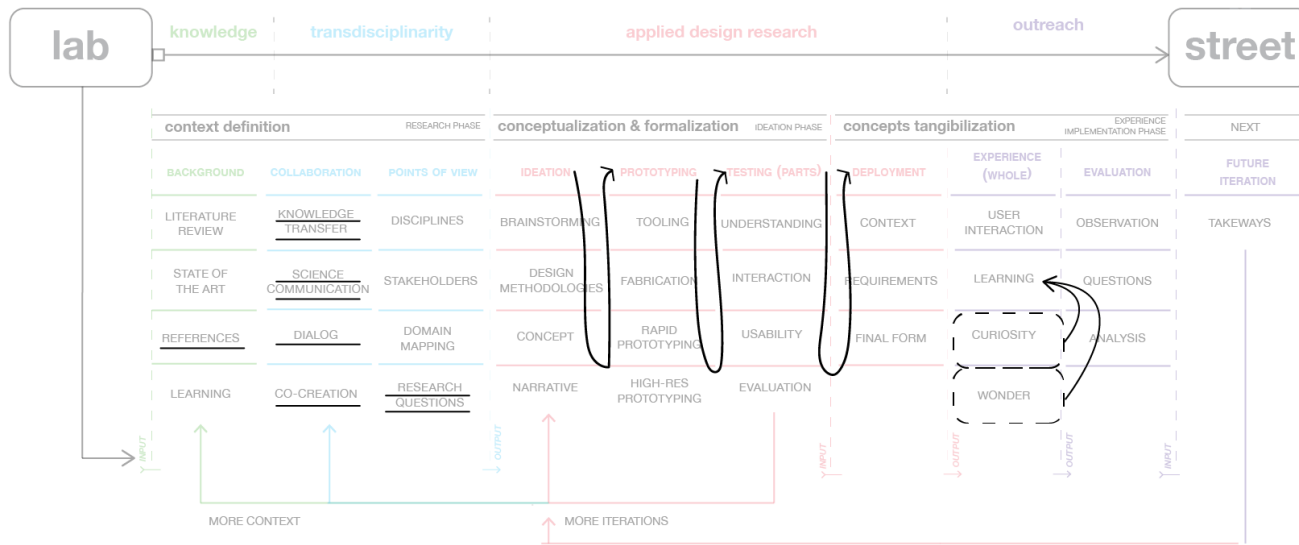
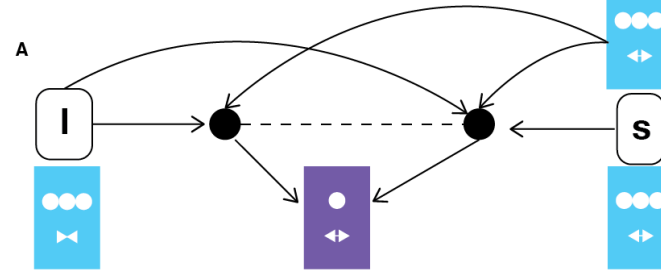
11 profile



expertise



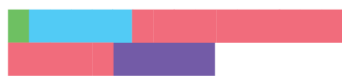
lab -> street



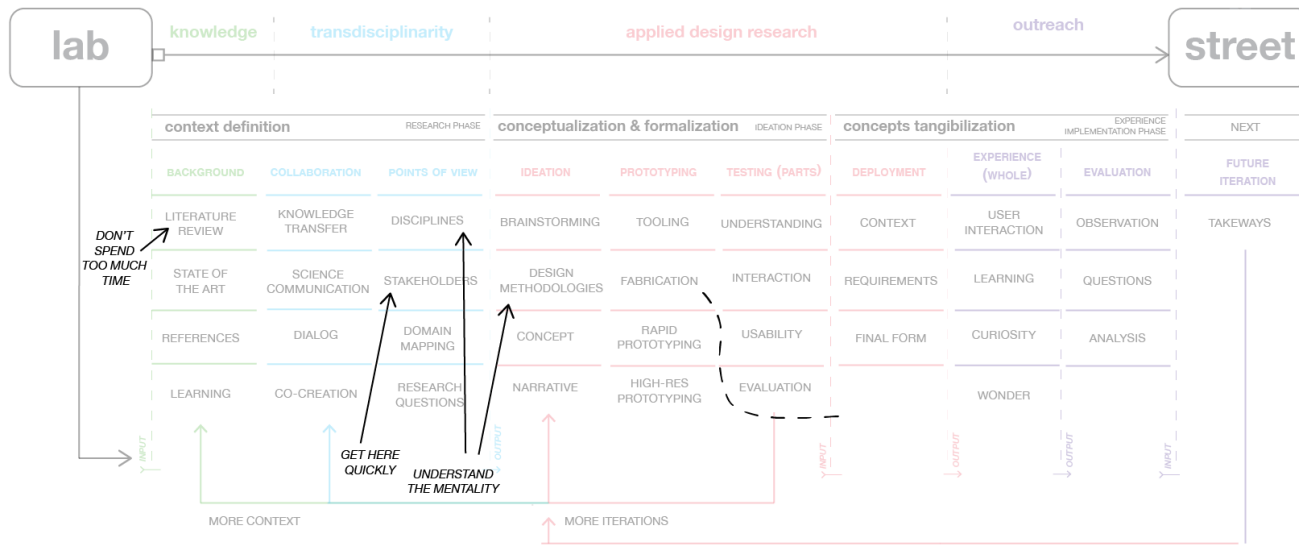
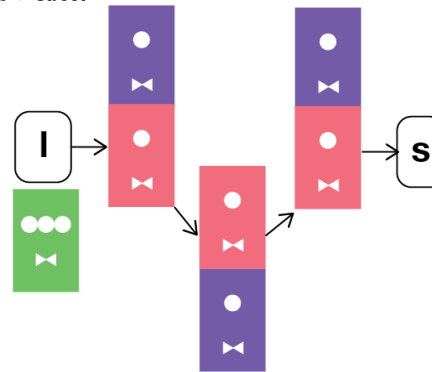
12 profile



expertise



lab -> street

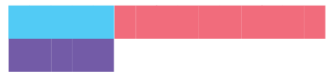


13

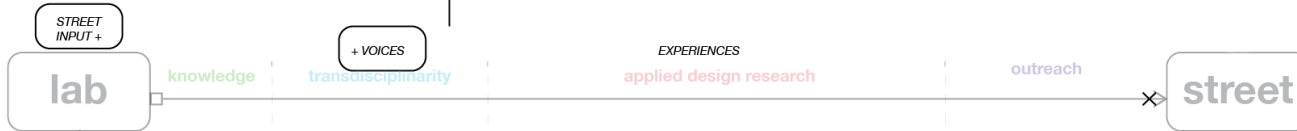
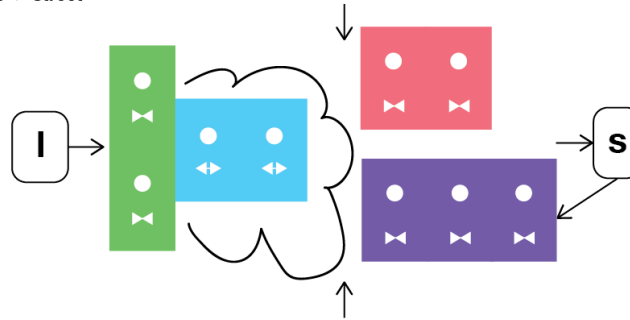
profile



expertise



lab -> street



context definition			conceptualization & formalization			concepts tangibilization			NEXT
RESEARCH PHASE			IDEATION PHASE			EXPERIENCE IMPLEMENTATION PHASE			
BACKGROUND	COLLABORATION	POINTS OF VIEW	IDEATION	PROTOTYPING	TESTING (PARTS)	DEPLOYMENT	EXPERIENCE (WHOLE)	EVALUATION	FUTURE ITERATION
LITERATURE REVIEW	KNOWLEDGE TRANSFER	DISCIPLINES	BRAINSTORMING	TOOLING	UNDERSTANDING	CONTEXT	USER INTERACTION	OBSERVATION	TAKEAWAYS
STATE OF THE ART	SCIENCE COMMUNICATION	STAKEHOLDERS	DESIGN METHODOLOGIES	FABRICATION	INTERACTION	REQUIREMENTS	LEARNING	QUESTIONS	
REFERENCES	DIALOG	DOMAIN MAPPING	CONCEPT	PAPER PROTOTYPING	USABILITY	FINAL FORM	CURIOSITY	ANALYSIS	
LEARNING	CO-CREATION	RESEARCH QUESTIONS	NARRATIVE	HIGH-RES PROTOTYPING	EVALUATION		WONDER		

Below the table, there are feedback loops:

- A green arrow labeled 'INPUT' points from 'lab' to 'context definition'.
- A blue arrow labeled 'OUTPUT' points from 'context definition' to 'conceptualization & formalization'.
- A red arrow labeled 'INPUT' points from 'conceptualization & formalization' to 'concepts tangibilization'.
- A purple arrow labeled 'OUTPUT' points from 'concepts tangibilization' to 'street'.
- A red arrow labeled 'INPUT' points from 'street' back to 'conceptualization & formalization'.
- A purple arrow labeled 'OUTPUT' points from 'street' back to 'concepts tangibilization'.

 A box labeled 'UNEXPECTED?' with a downward arrow and a box labeled '+ MESS!' with an upward arrow are positioned below the 'concepts tangibilization' column.

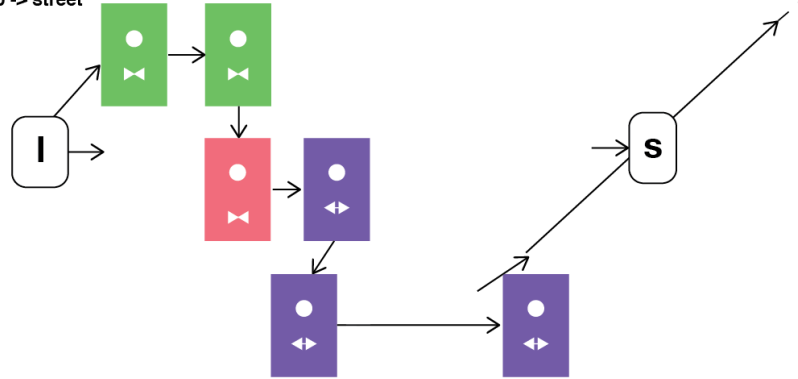
14 profile



expertise



lab -> street



context definition			conceptualization & formalization			concepts tangibilization			NEXT
RESEARCH PHASE			IDEATION PHASE			EXPERIENCE IMPLEMENTATION PHASE			
BACKGROUND	COLLABORATION	POINTS OF VIEW	IDEATION	PROTOTYPING	TESTING (PARTS)	DEPLOYMENT	EXPERIENCE (WHOLE)	EVALUATION	FUTURE ITERATION
LITERATURE REVIEW	KNOWLEDGE TRANSFER	DISCIPLINES	BRAINSTORMING	TOOLING	UNDERSTANDING	CONTEXT	USER INTERACTION	OBSERVATION	TAKEAWAYS
STATE OF THE ART	SCIENCE COMMUNICATION	STAKEHOLDERS	DESIGN METHODOLOGIES	FABRICATION	INTERACTION	REQUIREMENTS	LEARNING	QUESTIONS	
REFERENCES	DIALOG	DOMAIN MAPPING	CONCEPT	RAPID PROTOTYPING	USABILITY	FINAL FORM	CURIOSITY	ANALYSIS	
LEARNING	CO-CREATION	RESEARCH QUESTIONS	NARRATIVE	HIGH-RES PROTOTYPING	EVALUATION		WONDER		

SOFTWARE

CELEBRATE + EVALUATING

INPUT, OUTPUT, MORE CONTEXT, MORE ITERATIONS

15 profile

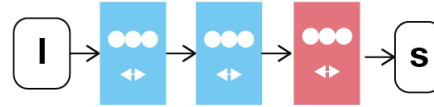


expertise

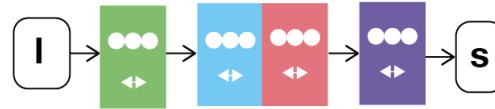


lab -> street

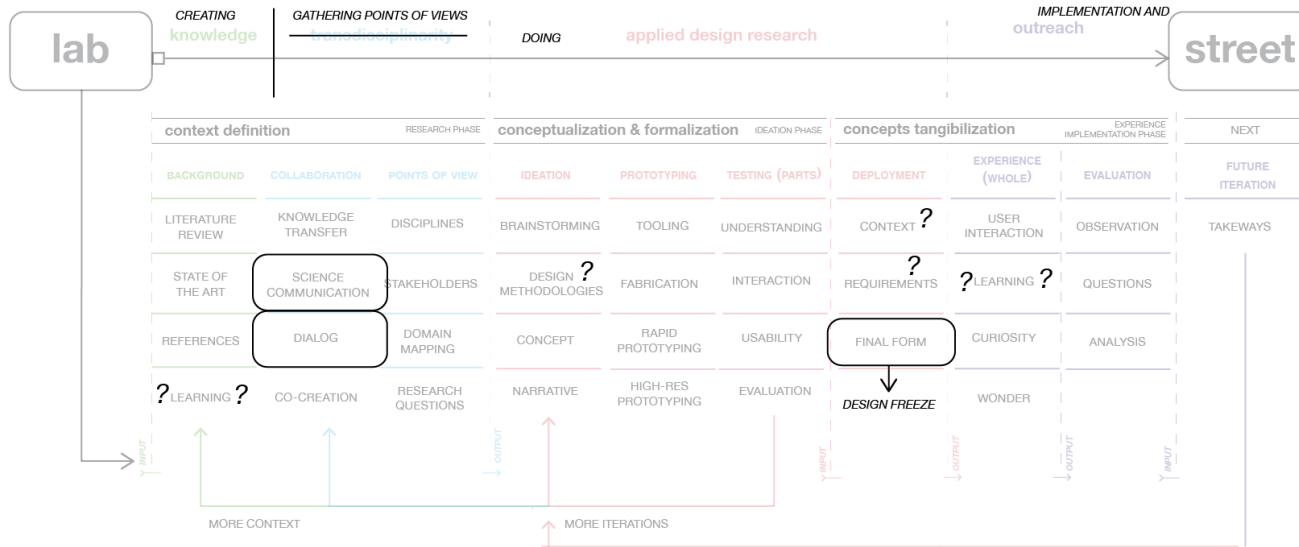
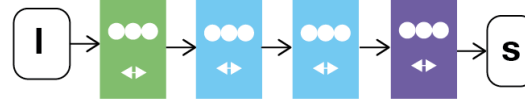
ATTRACT



NORDIC UNIVERSITIES



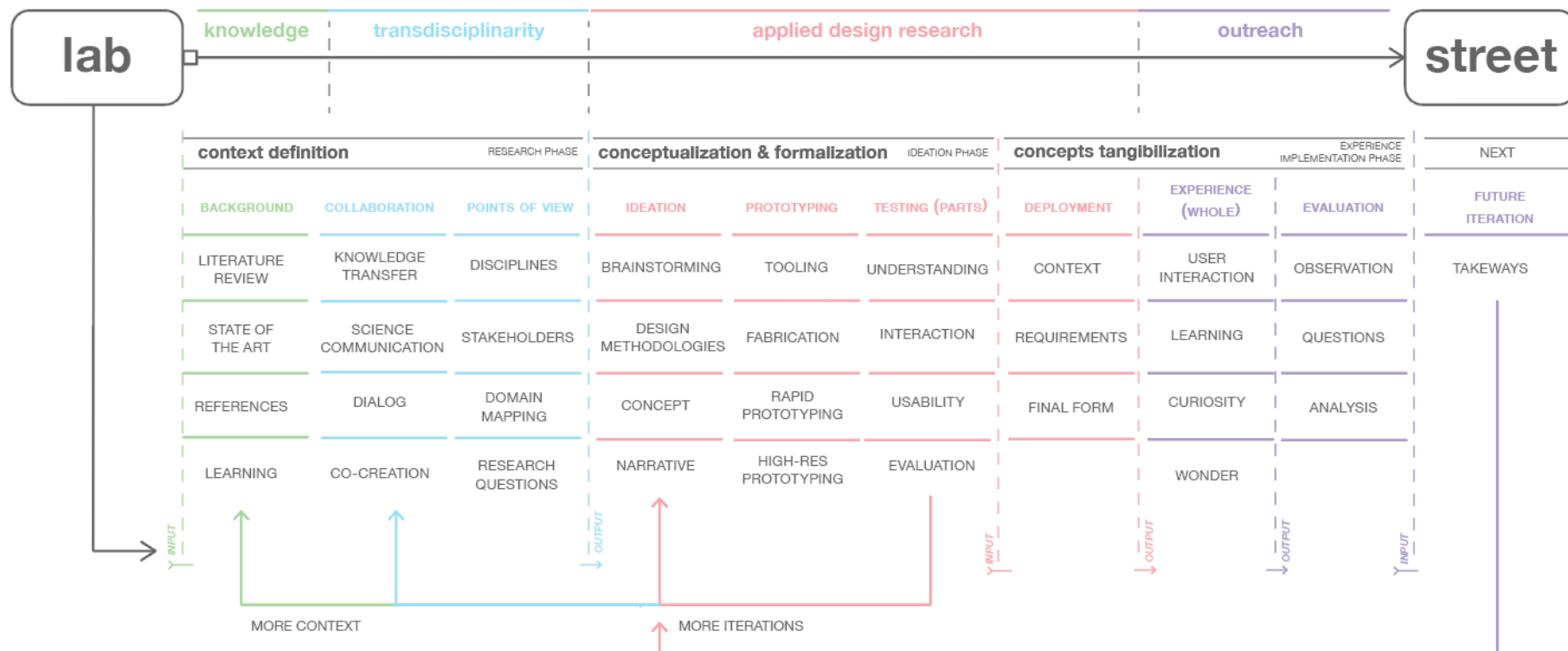
CLIMATE CHANGE



step 6

Now it's time to customize your Tangible Science Framework for you and/or your team!

Tangible Science Framework



#toolkit



#toolkit

Tangible Science Framework

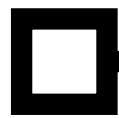
-

T-Sci



How To Create Scientific Complexity Experiences
Based On Design Thinking Process

lab



street

#toolkit



#toolkit

Tangible Science Framework

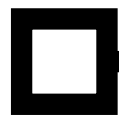
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T-Sci



How To Create Scientific Complexity Experiences
Based On Design Thinking Process

lab



street

lab   street

