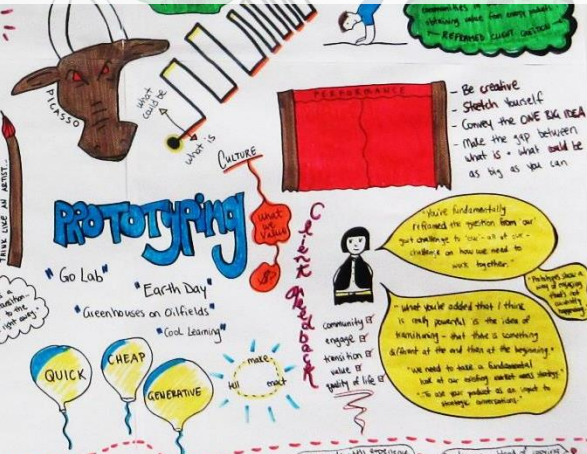


Systemic Design Taster Session



DAILY REFLECTION:

"Mental models are evolutionary, not static."

"Practice before theory is daunting, but worth it."

"What if we focused on communication - first?"

"What if we focused on the whole system?"

"What if we changed the question?"

"What if we changed the question?"

"Empathy is a choice."

"Deal in the emotion."

"We need to foster this conversation, it's only that makes dialogue a collaboration."

"If we think with empathy would our assumptions be different?"

"What if we were currently in a negative embrace, how a change in perspective would help us move beyond it?"

"What if we were already going with the flow, would it stay?"

"Most people with experience, it's great for scalability."

"Progress not perfection - I can do it!"

"We can't know ourselves' vulnerability."

"What the heck, Picasso!"

"What if market access wasn't looked at as the end goal?"

"Creation is a blend of copying and deconstruction."

How we will be Together Today



Doodle graphic by Ayse Birsel

Systems Thinking is a way of looking at the world



- From multiple perspectives
- Across multiple scales
- Dynamically over time

A shift from looking **at** things to looking **between** them

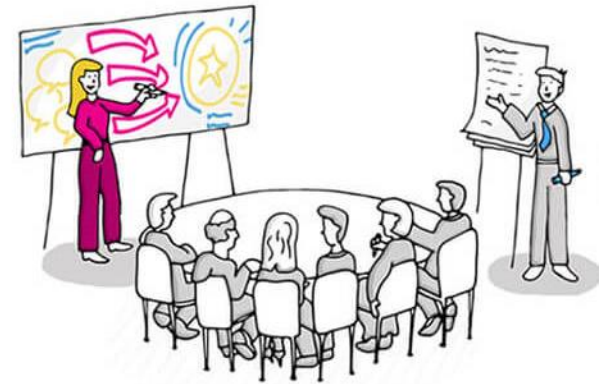
Systems Mapping Exercise

Time: 30 minutes

Groups: 5-6 people

Instructions:

- Choose a system mapping method to create your map.
- Use your creativity and knowledge to create a systems map.





What is Systems Thinking?

“A system is an interconnected set of elements that is coherently organized in a way that achieves something (function or purpose.)”

– Donella Meadows

Systemic ✦

Systems thinking
A shift from looking AT things to

???





THE **MAGIC** BEAN SHOP

A single cup of Starbucks coffee can depend upon as many as 19 different countries. Between the coffee beans, the milk, the sugar, and the paper cup, Starbucks coffee is a global hub that connects some of the poorest countries in the world with some of the wealthiest.



Now you can see it by your self !!

2011

1992

1987

1971

Become a global model company

Add breakfast options throughout the menu

Start by selling coffee beans in Seattle's Pike Place Market



Belakangan hari kemudian kami datang ke Starbucks, sekarang ia telah siap untuk memenuhi kebutuhan kami. Dan menyajikan berbagai menu. Itu di sebuah kedai kopi legendaris.



Seal lama datang ke Starbucks, manajer yang sempat bertemu dengannya dulu, memamerkan & menunjukkan kepekaan kami tentang keagungan kami.

JOSEPH A. MICHELLI

STARBUCKS EXPERIENCE 2006

5 PRINSIP STARBUCKS :
Lakukan dengan Cara Anda

Mitra Starbucks kami akan diberi kebebasan untuk memberikan pelayanan yang terbaik sesuai dengan keinginan dengan cara terbaik mereka sendiri.



1



2

STARBUCKS ingin memperhatikan setiap detail yang ada serta memberikan pelayanan terbaik mungkin pada setiap pengunjung.



4

Leave Your Mark
Membagikan pengaruh yang dapat bergema bagi orang lain dan membuat pelayanan yang baik.



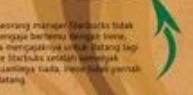
5

Terbuka terhadap Kritik
Bersedia untuk mendengarkan pendapat orang lain, kritik, & memanggapi dengan baik juga.



3

Surprise & Delight
STARBUCKS selalu berusaha membuat pelanggan kita tidak bosan dengan apa yang ditawarkan olehnya, karena selalu ada hal yang berbeda, menyenangkan, & mengagumkan.



Seorang manajer Starbucks tidak menggapai kesuksesan dengan cara-cara mengagumkan untuk datang ke Starbucks setelah beberapa tahunnya. Ya, mereka telah pernah datang.



Satu ketika kami bisa bertemu dengan perancang & manajer di sini. Tidak ada teman untuk berbagi apa saja hal-hal yang sudah kami lakukan yang terbaik.

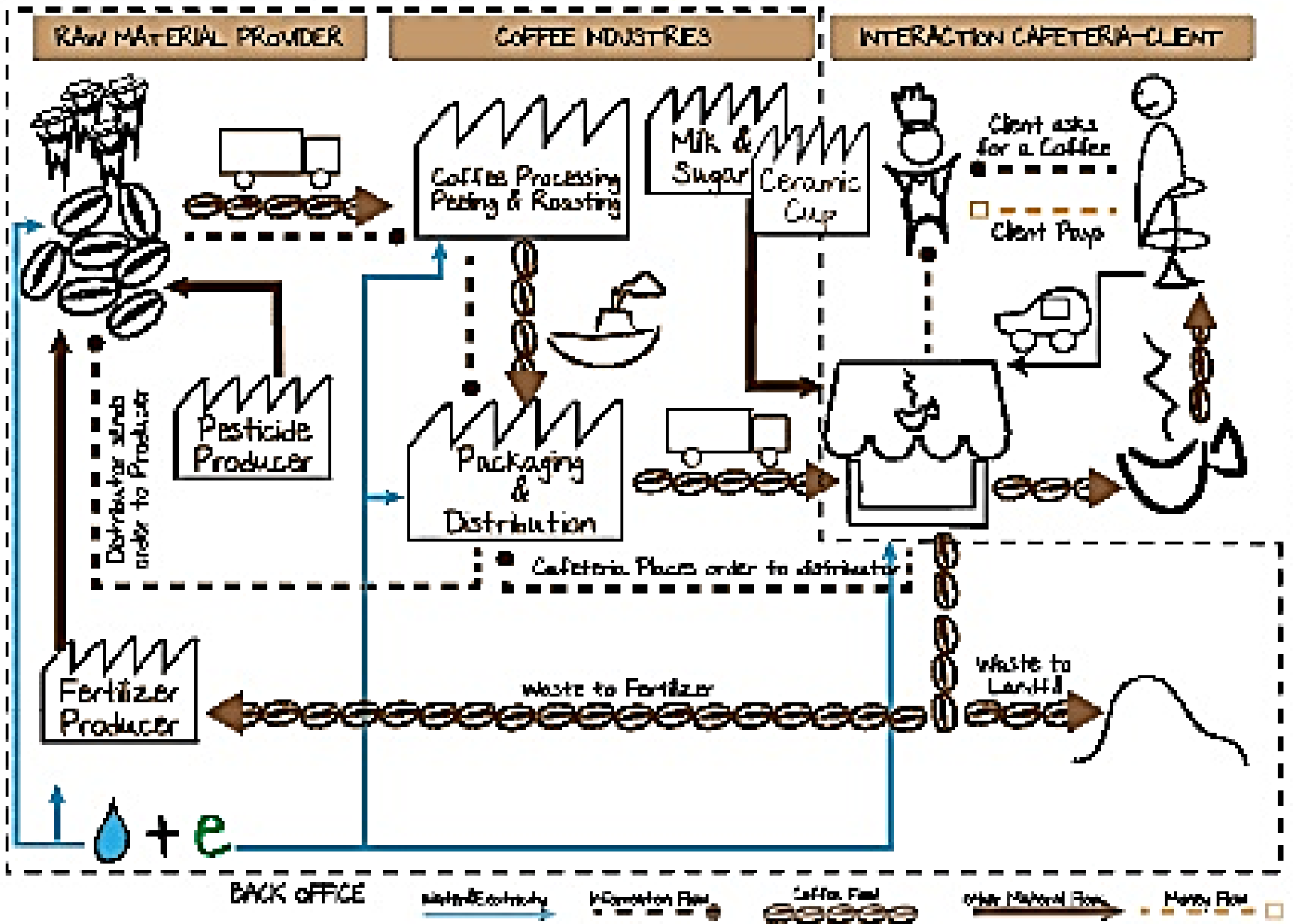


Sebuah pengalaman nyata dari kedai kopi legendaris

Selanjutnya hari ini & esoknya selalu berbagi kopi dan semangat kami. Menghabiskan waktu untuk berbincang dan hari ke hari, menikmati kebersamaan mereka.



Sebuah pengalaman nyata dari kedai kopi legendaris





Mental Models

Purpose

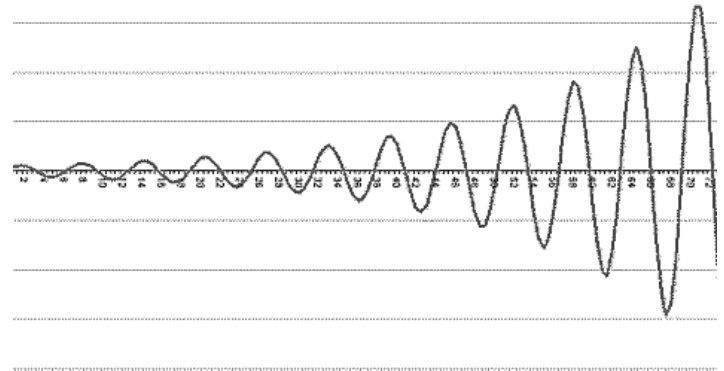
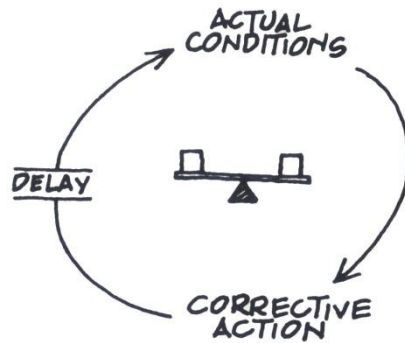
Boundaries

Relationships

Elements

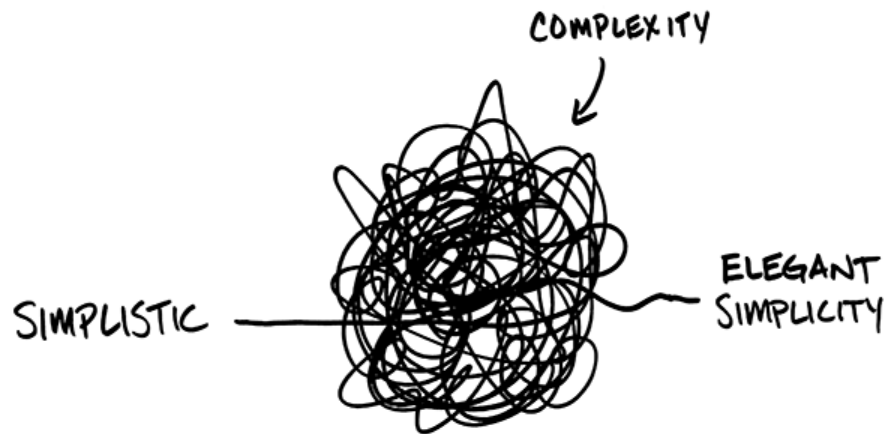
1. Look for Interconnections

Systems thinking is a shift in perspective from looking **at** things to looking **between** them



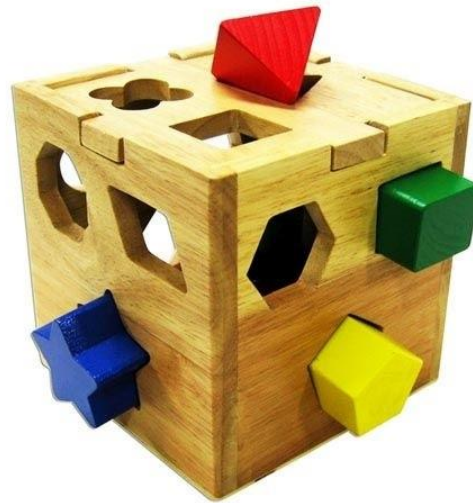
2. Embrace Complexity

Systems thinking provides tools for mapping the mess to make sense of the complexity



3. Engage Multiple Worldviews

Systems thinking engages with multiple perspectives and worldviews to look at the same situation in different ways



4. Take an Adaptive Approach

Systems thinking may not get the perfect answer the first time but is oriented towards learning and adapting to iteratively improve the situation



A high-angle photograph of a person walking away from the camera on a dirt path in a park. The person is wearing a dark jacket and carrying a red bag. The path is bordered by green grass and a paved walkway. In the background, there are trees, a bench, and a fence.

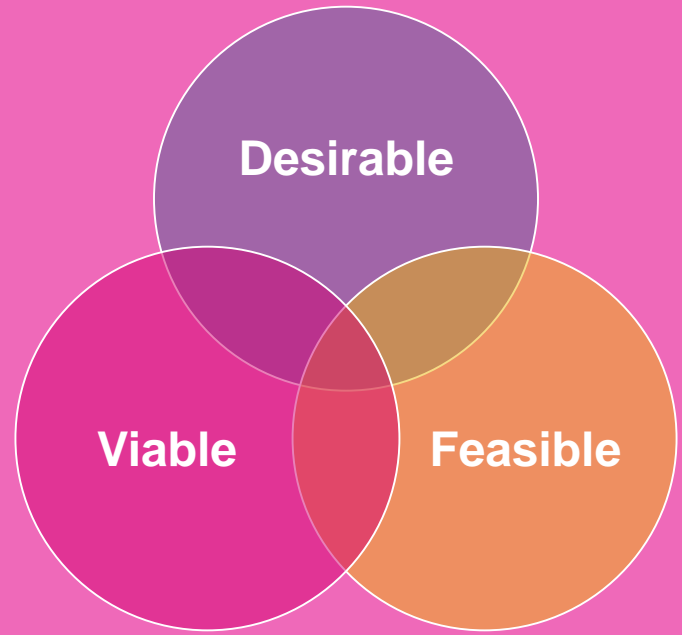
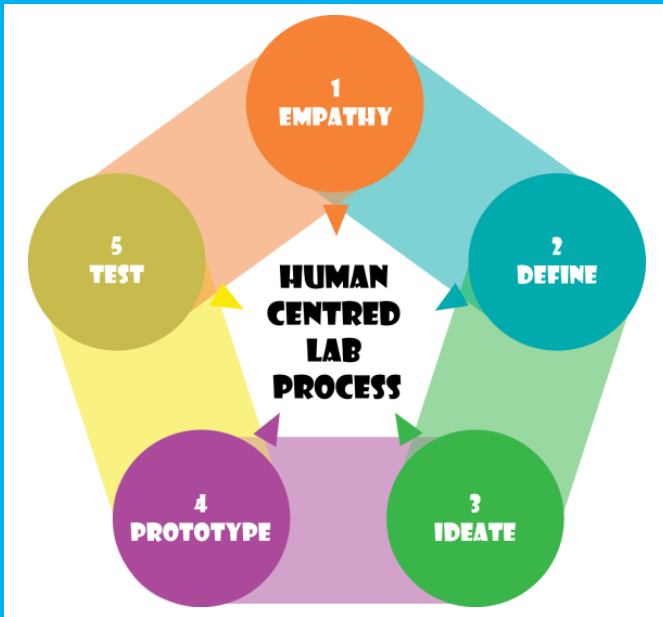
Design Thinking

A people-centered, iterative approach to innovation that involves designing alongside people affected by a complex challenge

User experience

Design

Observing real people in context, engaging extreme users, beginning with what is desirable, thinking with your hands, testing ideas early and often through prototyping



Understand

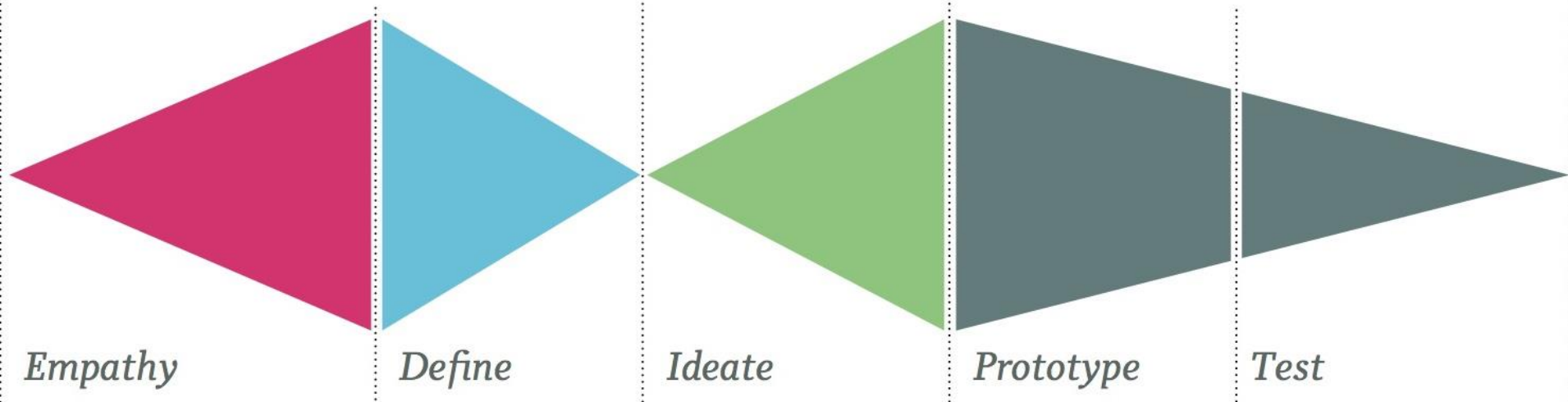
Understanding ends in **Insight**.

Create

Creation ends in **ideas**.

Deliver

Delivery ends in **reality**.



Empathy

Define

Ideate

Prototype

Test

ARTEFACTS

EXPERIENCES

TRANSFORMATIONS



SYMBOLS
Logos, signs



PRODUCTS
Tools, furniture



INTERACTIONS
Services



SYSTEMS
Ecosystems

LOW

Discrete
problems

COMPLEXITY

HIGH

Holistic /
networked
problems



Design Thinking Exercise

Step 1: Individual Generative Brainstorm

“What ways can I bring what I have learned today back to my team?”

Instructions

1. Individual Brainstorm: 2x5 Minutes
2. Partner Up and Share: 10 Minutes

Criteria:

1. Encourage Wild Ideas
2. Defer Judgment
3. Go for Quantity



Step 2: Creating Your Prototype

Time: 25 Minutes

Instructions:

1. Finalize your concept;
2. Select a prototyping method;
3. Create your prototype!

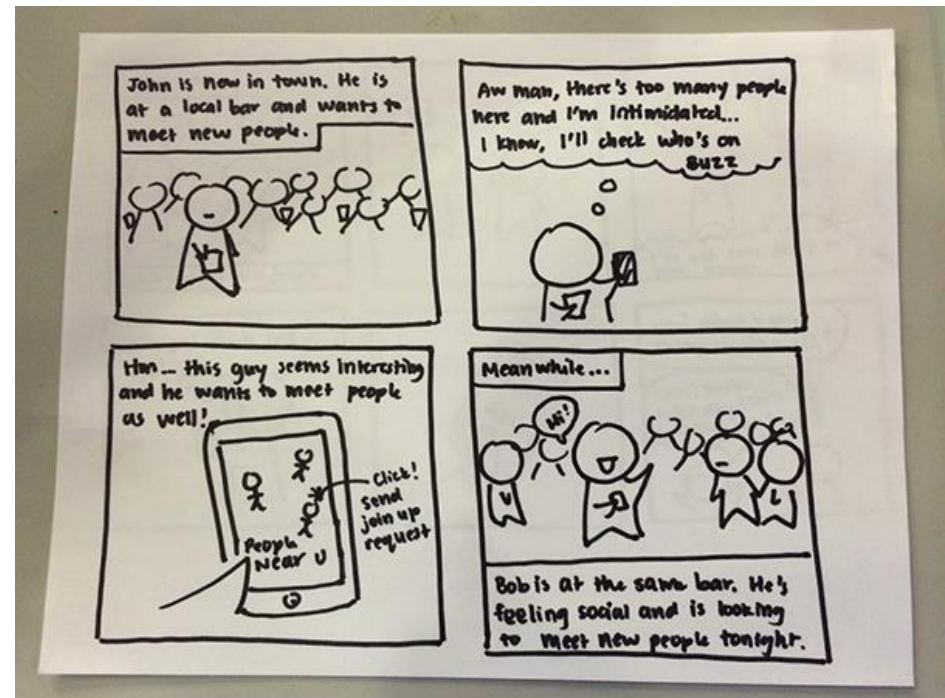


Storyboard

- Create a visual story, much like a comic strip, that tests how an idea would impact people on your team over time.

Steps

1. Before you begin discuss as a group:
 - Who are the main characters in the story?
 - What specific challenge is being solved?
 - What steps do they go through?
2. Draw four storyboard frames on a piece of flip chart paper. Write a few words below each frame to describe what should happen in the scene.
3. In each frame illustrate:
 - First Frame: Introduce the characters and issue;
 - Second Frame: Create a scene that shows the problem or issue in action;
 - Third Frame: Create a scene that depicts your idea being used or implemented in action;
 - Fourth Frame: Create a scene that shows what happens after the idea is used...what is the resulting impact?
4. At the bottom of your storyboard indicate what you hope to learn if your idea fails; as well as what catastrophic success would look like.



Create a Skit!

- Use characters, scenes, and conversations to tell a meaningful tale about your idea to an audience.

Steps

1. As a team take 5 minutes to think about:
 - **Conflict:** What problem/issue you are seeking to address;
 - **Concept:** What is your idea and how will it help the problem situation?
 - **Character:** Who are the people helped by your idea? How are they helped?
 - **Conclusion:** What does the work environment look like once your idea has been implemented? How is this different from the previous environment?
2. In 15 minutes create a 3-5 minute skit that depicts the above information.
3. Take 5 minutes to rehearse your skit and give it a title.



Physical Prototyping

- To challenge designers to build and think of their ideas as physical representations early on in the design process

Steps

1. Explore the physical prototyping materials at the back of the room.
2. Grab materials and begin building: think through doing.
3. Your model does not have to be a physical product: it can be a metaphor for what you hope to achieve; it can depict a process you want to employ and how it may play out, etc.
4. Once complete develop the story of your prototype: what is it and what is it seeking to achieve?

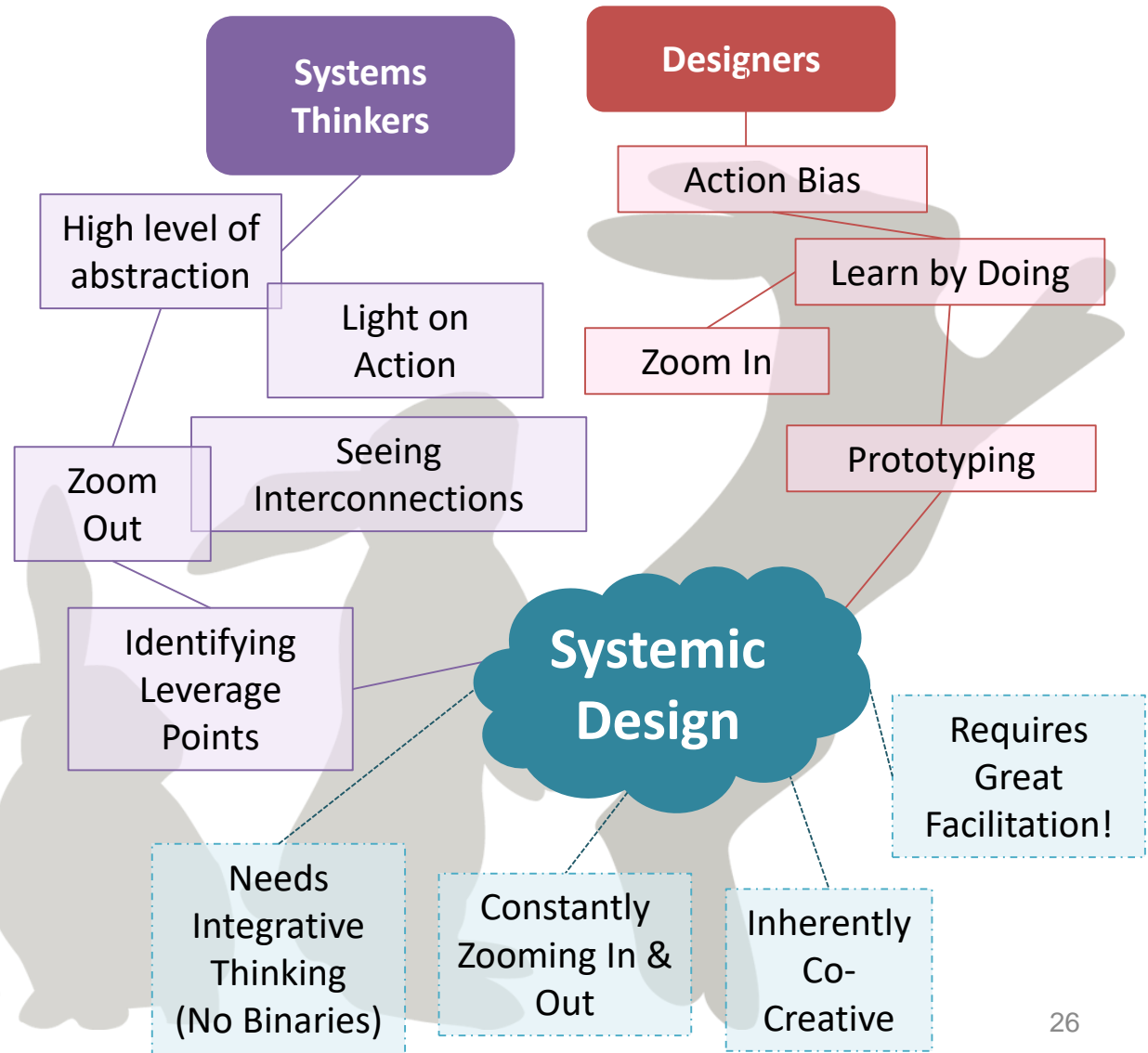




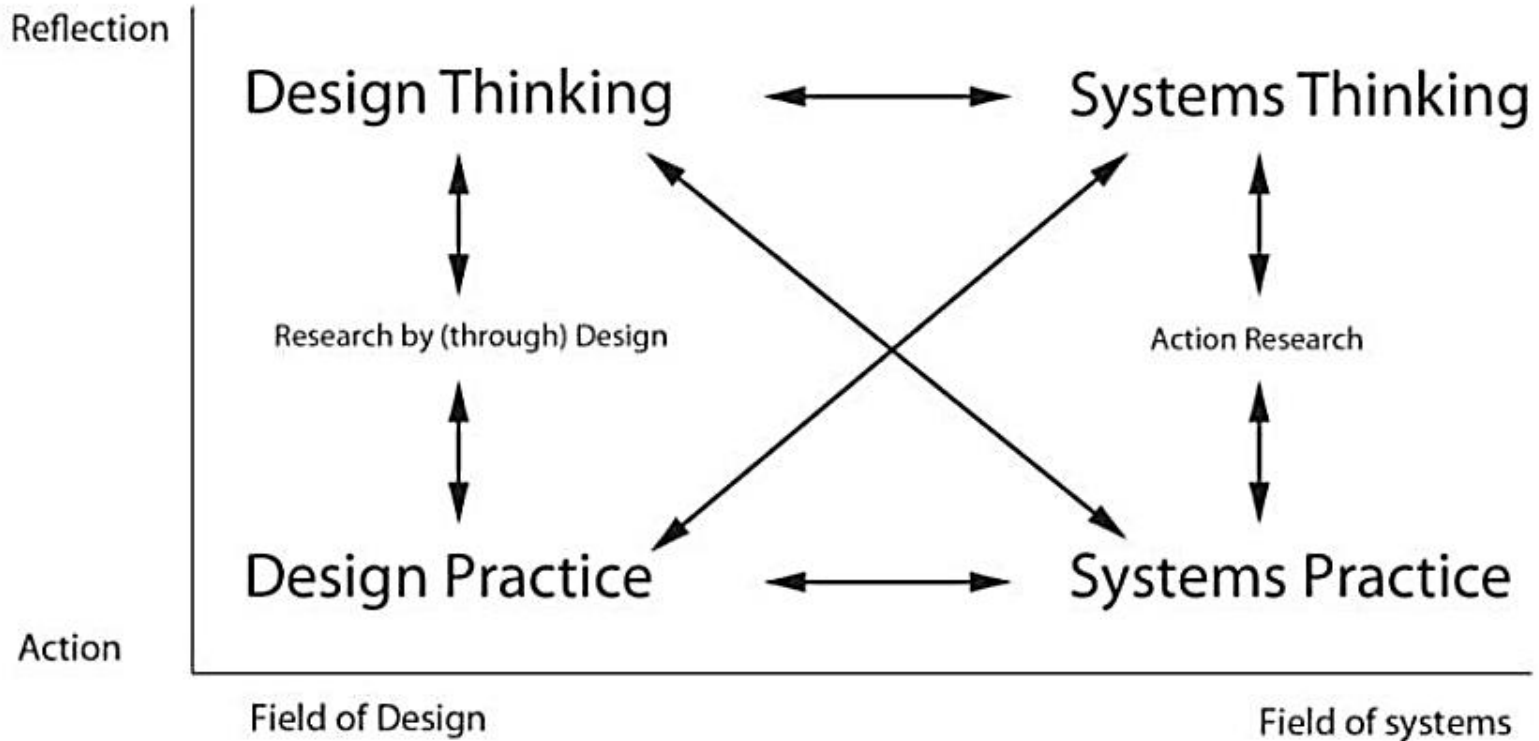
So what is Systemic Design???

Systemic Design

Systemic Design evolved from the unique historical trajectories of systems thinking and design thinking.



Systemic Design



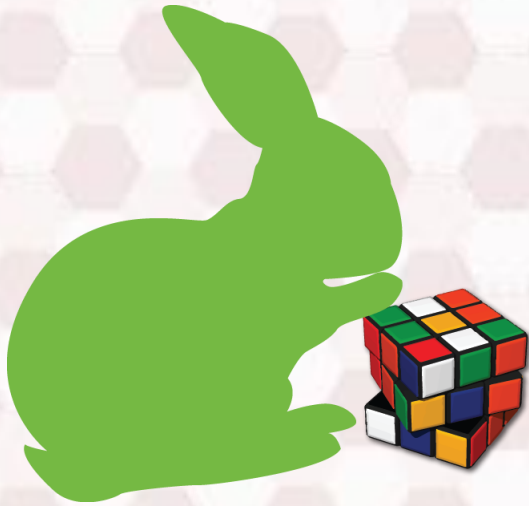
Field of Possibilities, Birger Sevaldson. Reproduced with permission.

The Value of Systemic Design

Appreciate more of the complexity and diversity of a messy situation

Provide more innovative and robust options to decision makers

Bridge the policy / implementation gap



Simple Puzzle

A Rubik's Cube is tough, but there is a single, agreed-upon solution



Complicated Problem

It's tricky to send a rabbit to the moon, but there is shared wisdom and rules to follow



Complex Mess

Raising a litter of bunnies is hard! Each bunny is different and they don't come with instructions

Traditional linear approaches to problem solving break down under extreme complexity. Systemic design may be more appropriate when:

Stakeholders hold diverse and conflicting values

The challenge is unique

Goals are ambiguous

Issues cut across silos

There are no 'solutions', only better or worse

OH YES



I'M A MESS



Systemic Design Mindset

Inquiring

Values learning: asks rather than assumes

Open

Values growth: defers judgment, open to change

Integrative

Values And: avoids binary trade-offs

Collaborative

Values teamwork: follows improv rules

Centered

Values presence: reflective & self-aware

FIXED MINDSET

Mine isn't good

I'm awesome at this

I'm not good at art

I hate making mistakes

This is too hard

This is as good as my work will ever get

GROWTH MINDSET

What am I missing?

I'm on the right track!

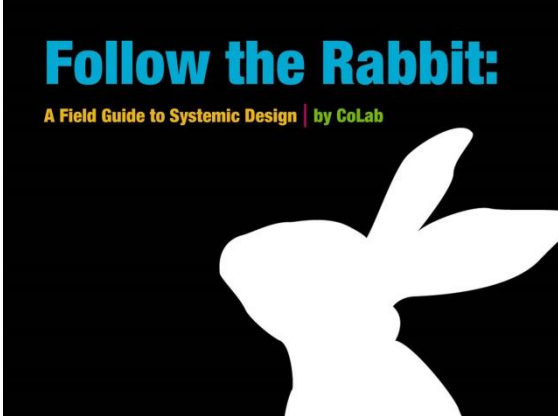
I'm going to practice art!

Mistakes help me learn

This is going to take some time

What can I do to make it even better?

How to Learn More



Resources

- Physical Library
- colab.alberta.ca
- Field Guides
- Method Hexes
- CoLab Team
- RSD



Communities of Practice

- Systemic Design
- Foresight
- SDX



Training

- Systemic Design Intensive
- Strategic Foresight Intensive
- Taster Sessions

Project Work

- Coaching
- Engage our Networks