



CENTRINNO

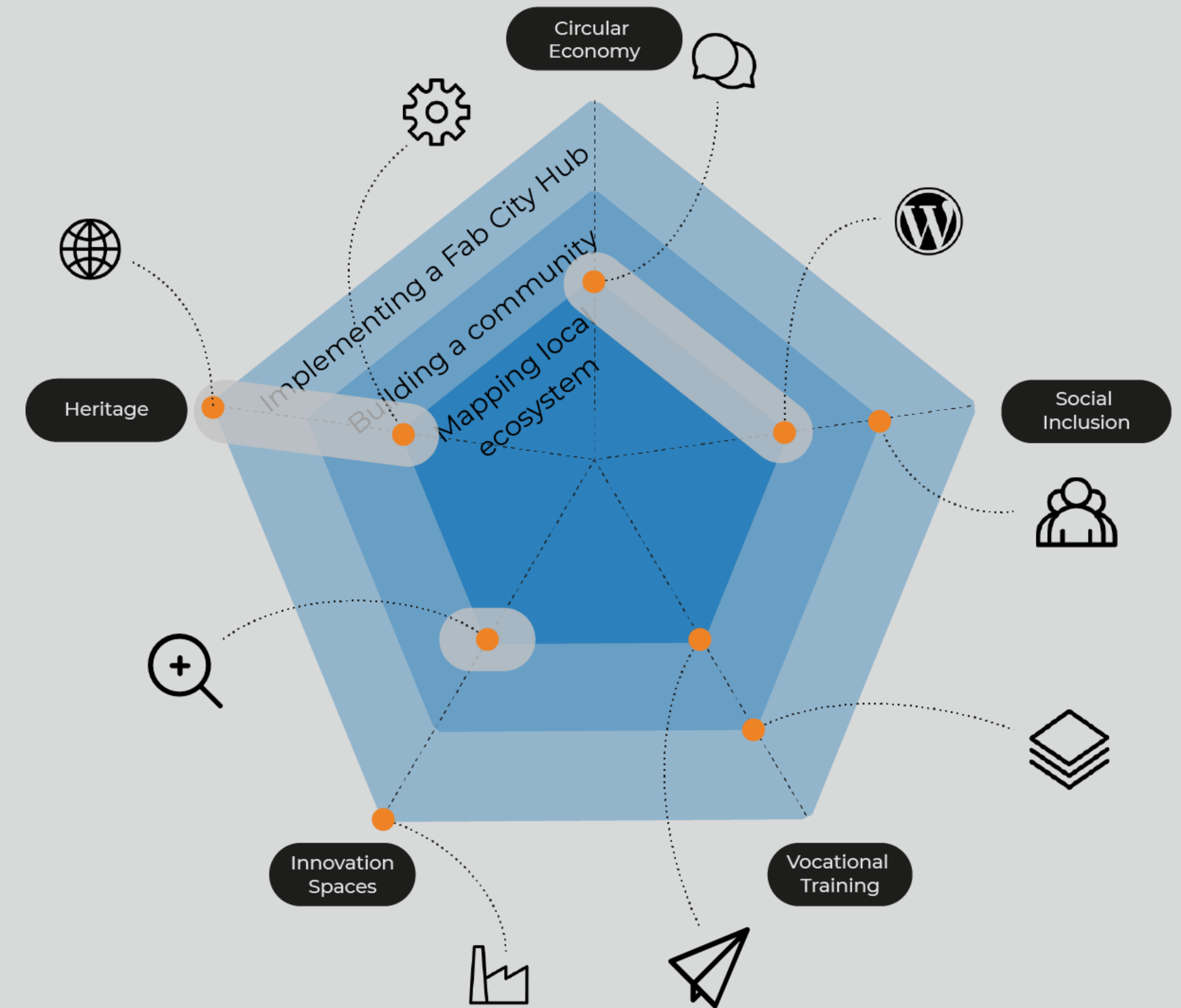
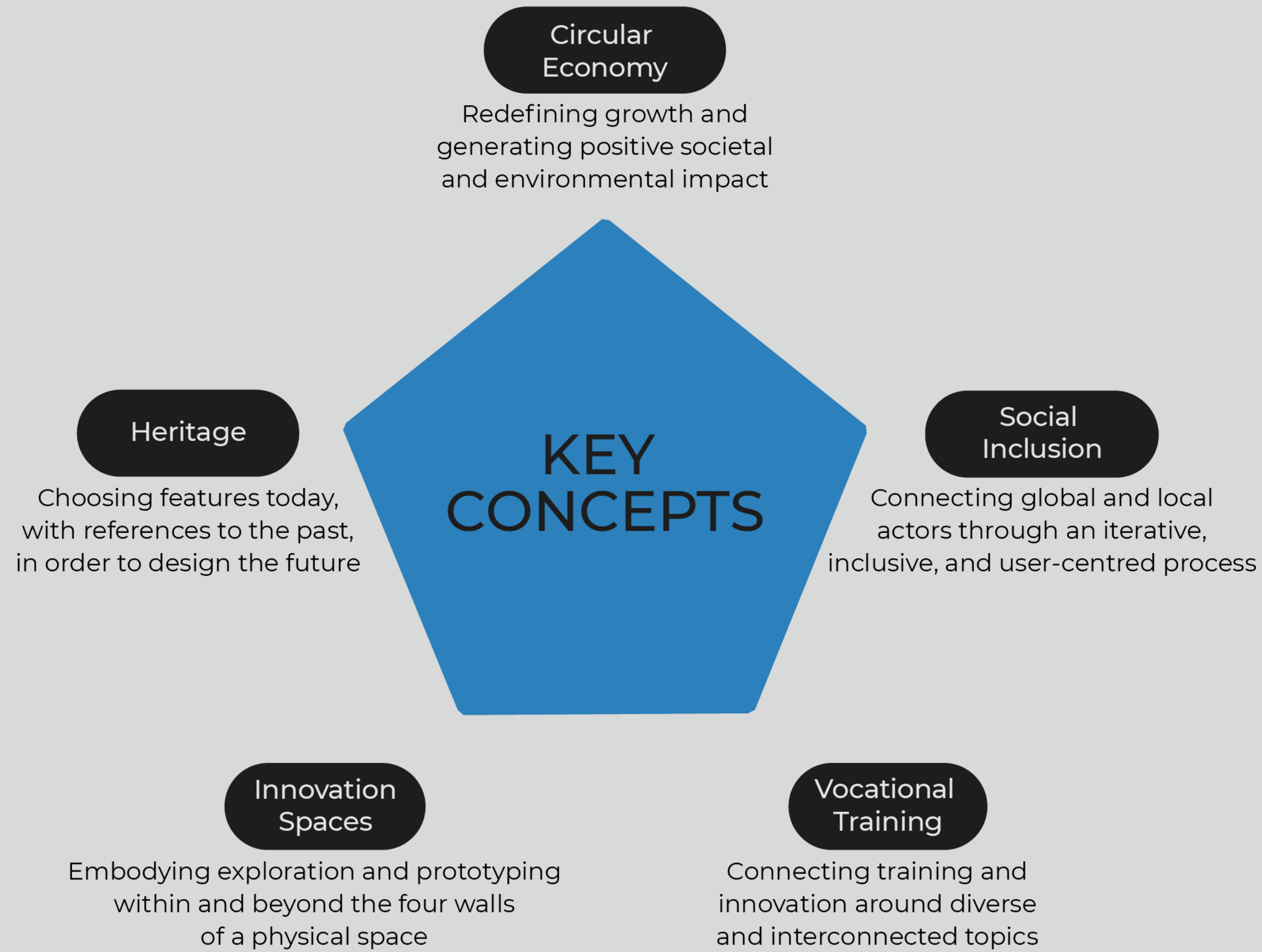
Impact Assessment

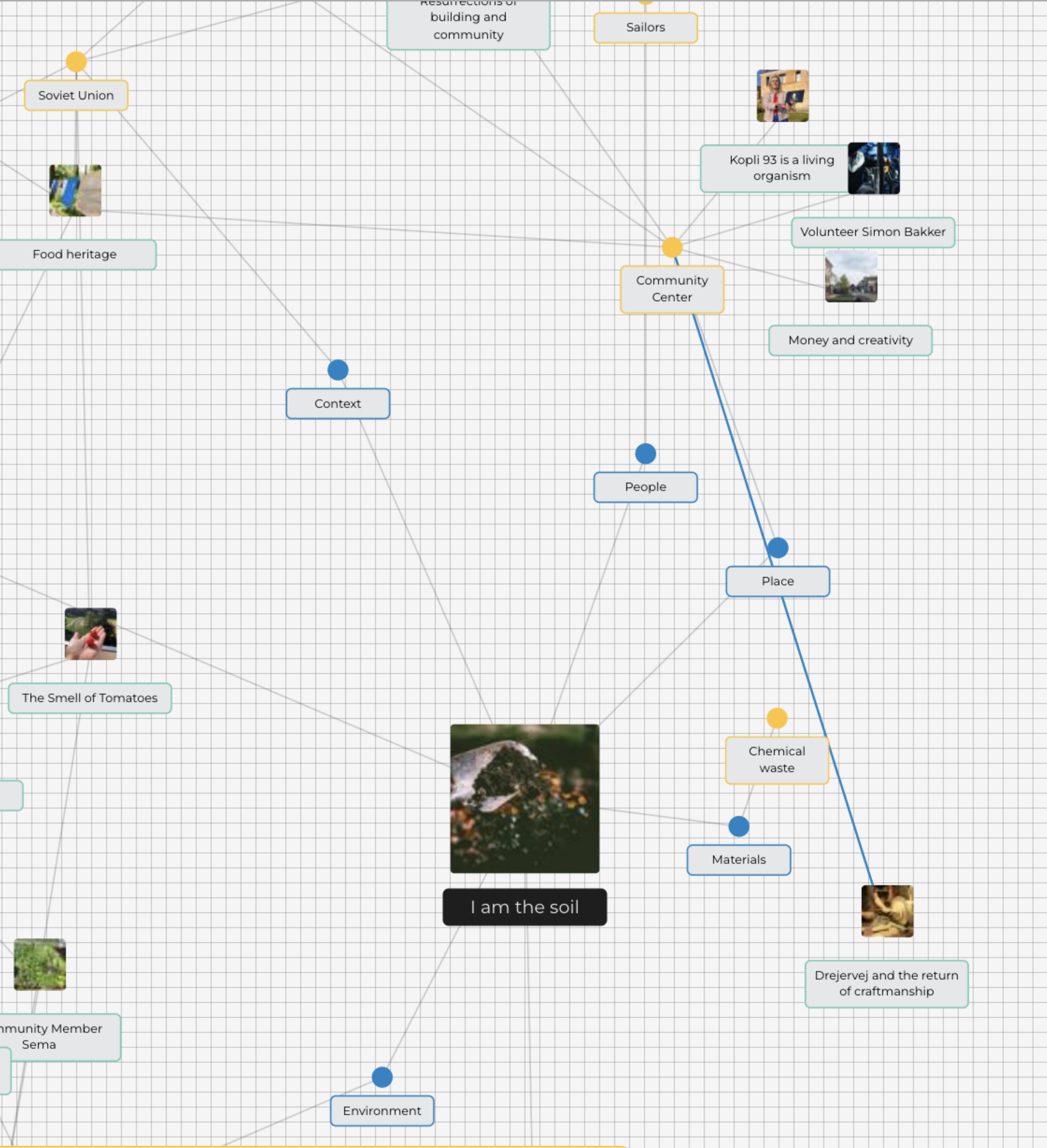
Alex Pazaitis – TalTech



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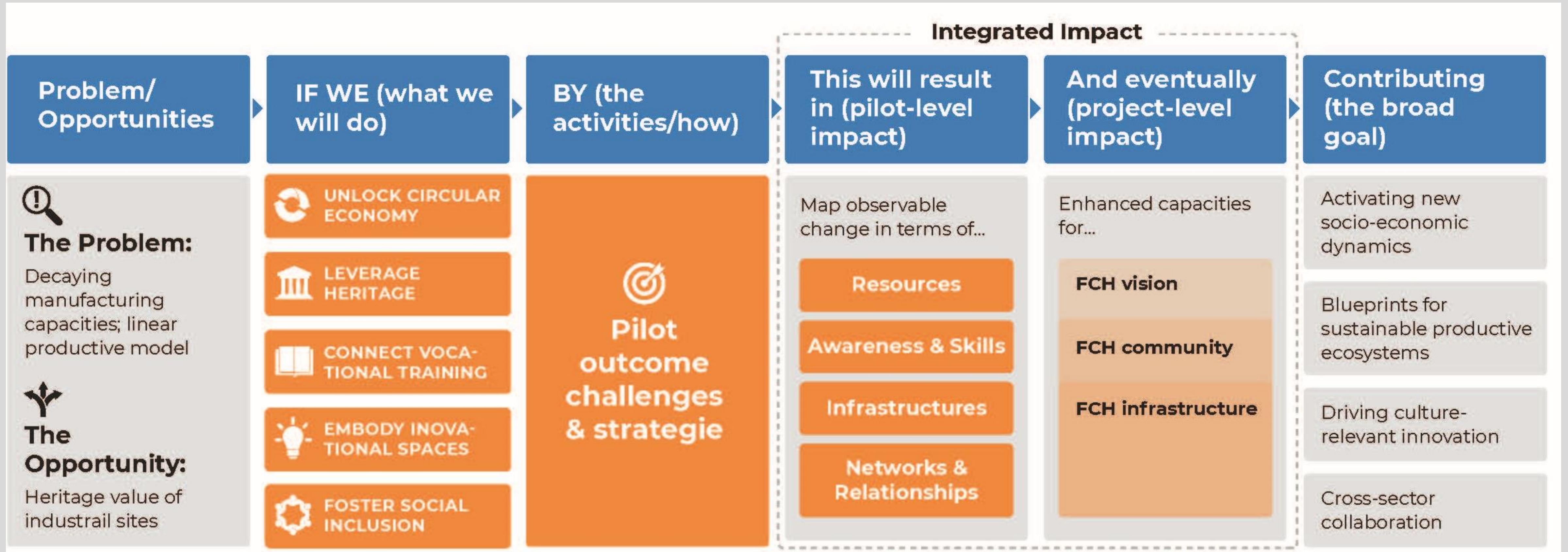




Which challenges do you want to solve? ∨
 Which resources did you map? ∨

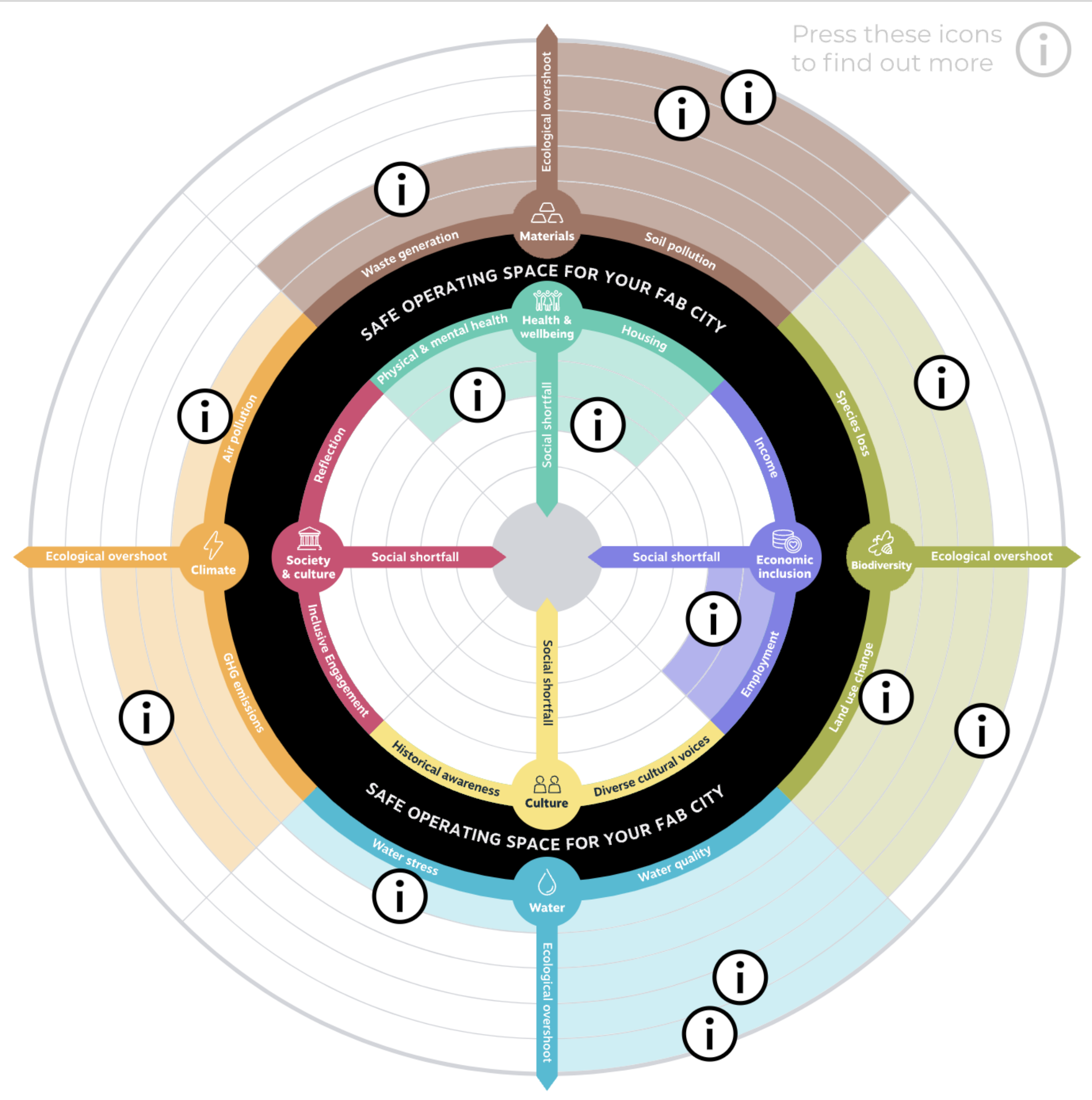


Impact narrative



→ Environmental – Socio-economic – Cultural heritage ?

Impact Baseline



Environmental impact

 Climate	GHG emissions
	Air pollution
 Materials	Soil pollution
	Waste generation
 Biodiversity	Biodiversity loss
	Land use change
 Water	Water stress
	Water quality

Socio-economic impact

 Health & wellbeing	Physical and mental health
	Housing
 Economic inclusion	Income
	Employment

Cultural heritage impact

 Society	Learning & education
	Community life
 Culture	Historical awareness
	Multi-voicedness

Impact Inventory

HOW DO WE GET THERE?

The CENTRINNO impact inventory

Taking inspiration from the impact story, select and reflect on your pilot activities and local FCH development. Think about **what needs to happen** for this vision to become reality, in the long run. Identify and design **the (potential) building blocks of the intermediary change** needed for the long-term changes envisioned, using CENTRINNO inventory language and thinking.

Identify the building blocks of this process, using the CENTRINNO impact inventory. **Translate** your 'bright news' story using the colours of the inventory explained below:

1. **Outcomes**: Write down relevant outcomes, describing changes in behaviours, actions, or relationships of local stakeholders. The time horizon for these outcomes can either be for the end of the project or beyond - Answers the question: **Who** is doing **what**?
2. **Tools**: FCH tools and resources that help achieve and/or sustain these outcomes - Answers the question: What can we use to **enable** and **develop** the necessary connections, relationships, awareness, infrastructure, etc.? Some hints on tools connected to organisational practices provided below.
3. **Organisational practices**: Systematic ways of doing and relating in the local FCH - Answers the question: How can the FCH **support**, **stabilise**, **share**, and **expand** change? The 10 FCH organisational practices are available below.
4. **Impact**: Observable results on site/neighbourhood/city level within the project and the future - Answers the question: How do we **know** and **show** change is happening?

Outcomes

	Nr of outcome challenges (max 12; 2 per area)	Nr of targeted outcomes	Average Score	Weighted score
Amsterdam	10	39	5.5	5.5
Barcelona	10	30	6.9	6.9
Blönduós	9	38	7.0	7.2
Copenhagen	8	37	6.7	6.5
Geneva	8	23	5.8	5.7
Milan	6	13	6.7	7.2
Paris	9	39	6.2	6.3
Tallinn	6	26	7.3	7.4
Zagreb	10	28	7.2	7.1

Organisational practices for FCH vision

OP-1: Activating interactions and facilitating connections and collaborations among the different actors active in urban environments.

OP-2: Access and connection to information, communities, projects and initiatives related to the local distributed creative and productive ecosystems.

OP-3: Embracing emergence of new needs, projects, and organisations through open and resilient structures amidst rapidly changing and hazardous environments.

OP-4: Engaging with and creating new institutions through experimentation and prototyping of diverse assemblages of actors and functions.

Outcomes	Tools
<ul style="list-style-type: none"> ● Circular collaboration among local makers and craftspeople (AMS) ● Development of circular skills in making and crafts practices (AMS) ● Public emblematic heritage site for exhibition showed the potential of the space for hosting future projects and collaborations among local actors (BCN) ● Financial support for local bottom-up initiatives (CPH) ● New collaborations across stakeholders in pilot area (CPH) ● The regional office for education collaborating with Educational Makerspaces for funding, alignment of strategy, and joint working groups (GEN) ● A community with common interests and advocacy (MIL) ● Creation of a large community of diverse stakeholders (PRS) ● <u>Kopli</u> Vocational schools embracing the FCH approach to recover local biodiversity (TLL) ● People in the city of Tallinn recognise the importance of being part of a community (TLL) 	<ul style="list-style-type: none"> ● <u>Maakschap</u> Amsterdam (AMS) ● Open Workshop (AMS) ● Hackathon school (BCN) ● Distributed workshops (BCN) ● KUMU (CPH) ● Stakeholder network (CPH) ● FCH co-creation (GEN) ● Educational Hackathon (GEN) ● Open Schooling activities (GEN) ● <u>Manifatura</u> Milano (MIL) ● Meta brand (MIL) ● Training programmes (PRS) ● KUMU (PRS; TLL) ● Emotion Networking (TLL) ● Values mapping (TLL) ● World Cafe (TLL)

Environmental

Materials

Soil pollution	6.8	<ul style="list-style-type: none"> • 44 connections identified for a regenerative wool & textile ecosystem (BLO - KUMU sheet) • 2 identified sources of wood waste useable in a potential local biochar production (GEN - KUMU sheet) • 2 urban actors added to the Cartography with skills to grow food on brownfields (PRS - KUMU sheets) • 105 participants in trainings during the Soil is <u>Gold</u> week (TLL - KPI sheet)
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Waste generation	6.2	<ul style="list-style-type: none"> • 10 circular makers mapped and connected (AMS - KUMU sheet) • 40 potential connections mapped to reuse local wood waste (BCN - KUMU sheet) • 224 circular products created for small scale local production (BCN - KPI sheet) • 11 types of resources mapped (such as recycled, circular or regenerative biomaterials) which can be further used for innovations in textile ecosystem (BLO - KUMU sheet) • 103 associations, universities, SMEs, and makers mapped in Cartography workshops (MIL - KUMU sheet) • 7 new circular products made from waste materials as part of the META brand (MIL - KPI sheet) • 2 new products created from waste through residency programs (MIL - KPI sheet) • 3 types of food waste reduction skills mapped (PRS - KUMU sheet) • 8 new Makerspaces operating in waste recycling centres inspired by <u>Kopli 93</u> repair and upcycling activities (TLL - KPI sheet)
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Climate

GHG emissions	6.6	<ul style="list-style-type: none"> • 52 textile experts/ makers mapped in the Cartography that use sustainable & circular practices (BLO - KUMU sheet) • 14 sustainable outlets for textile and fashion mapped (GEN - KPI sheet) • 243 professional participants in circular production trainings (MIL - KPI sheet)
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Biodiversity

Land use change	7.1	<ul style="list-style-type: none"> • 122 citizens, students and businesses participating in biodiversity and nature-related training events (TLL - KPI sheet)
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Socio-economic

Health & wellbeing

Housing	6.2	<ul style="list-style-type: none"> • 226 people of general public reached in spatial policy for affordable working spaces events (AMS - KPI sheet) • 90 makers added to the Cartography (AMS - KUMU sheet) • 6 multi-stakeholder network events resulting in new collaborations & partnerships (CPH - KPI sheet) • 1 Fund for creative industries and urban environments created (CPH - pilot reporting) • 3 written and verbal collaboration agreements for resource sharing between local stakeholders (CPH - KPI sheet)
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Economic inclusion

Income	7.1	<ul style="list-style-type: none"> • 17 new businesses created (BCN - KPI sheet) • 70 job opportunities created (BCN - KPI sheet) • 180 textile entrepreneurs participating in “wool ideas” hackathon (BLO - KPI sheet) • 37 participants in events organised in collaboration with <u>Kopli Vocational School</u> (TLL - KPI sheet)
Employment	6.2	<ul style="list-style-type: none"> • 43 stakeholders contributing to the local network for creative businesses (CPH - KPI sheet) • 6 skill-building workshops for 245 elementary students from local schools (CPH - KPI sheet/KUMU sheet) • 14 teacher licences issued for the use of digital fabrication technology (CPH - KPI sheet) • 20 unemployed youth participants in urban agriculture training programs (PRS - KPI sheet) • 9 events & activities targeted at the restoration of agricultural practices in the city (PRS - KPI sheet)

Cultural Heritage

Culture

Multivoicedness	7.7	<ul style="list-style-type: none"> • 10 people participating in Emotion Networking sessions (TLL - KPI sheet)
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Society

Education & learning	5.7	<ul style="list-style-type: none"> • 48 students participating in a workshop about circularity (GEN - KPI sheet) • 50 children participating to workshops about digital manufacturing on site (GEN - KPI sheet)
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Lessons I

Impact monitoring & evaluation as a learning process

- Understand change as we monitor it
- Impact metrics: why and how change happens

→ organisational practices

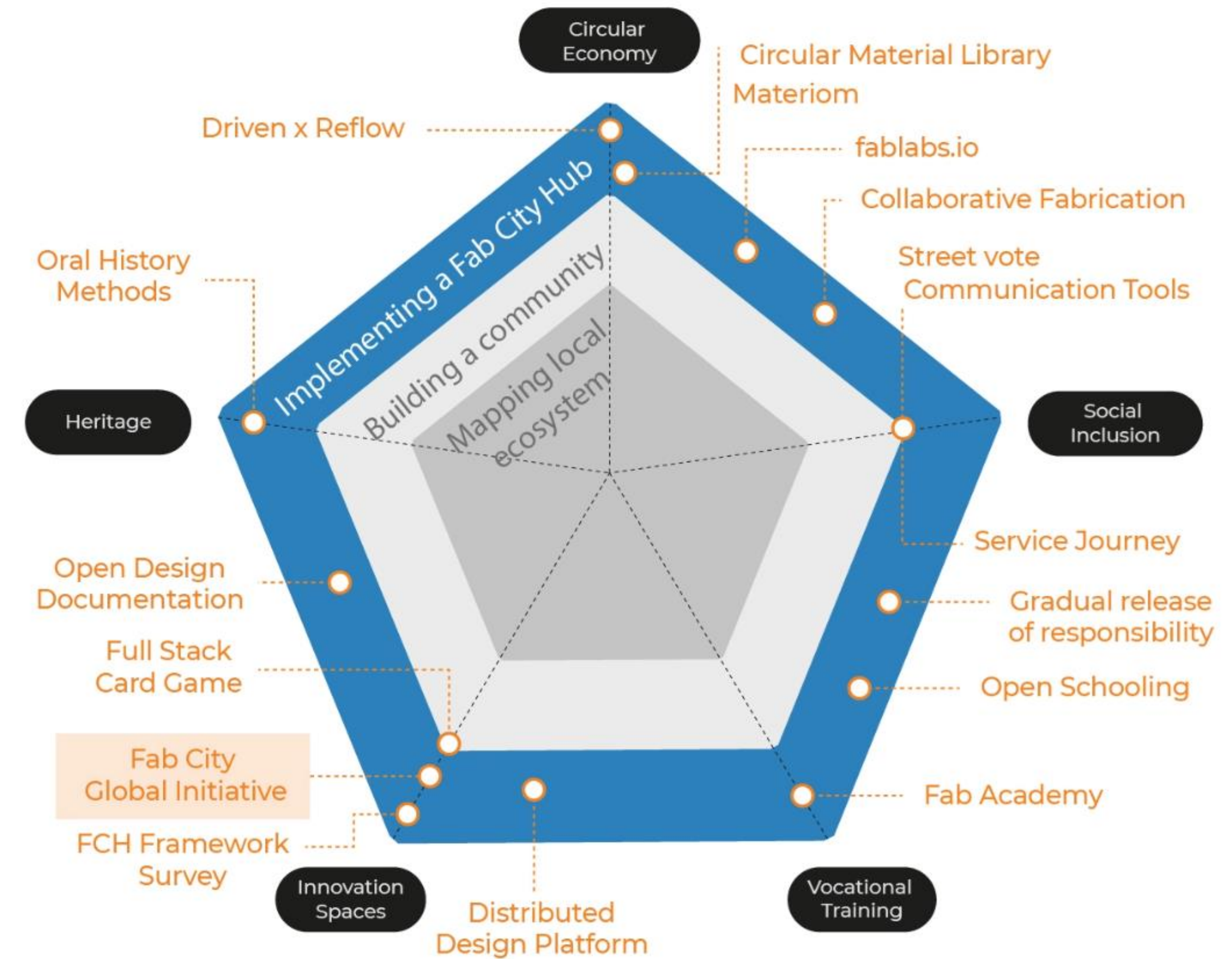
ORGANISATIONAL PRACTICES



Lessons II

Getting “thick” with data

- Data as traces of human activity
- From data, to stories, to tools
→ Exchange, share, reflect



Lessons III

Control vs emergence

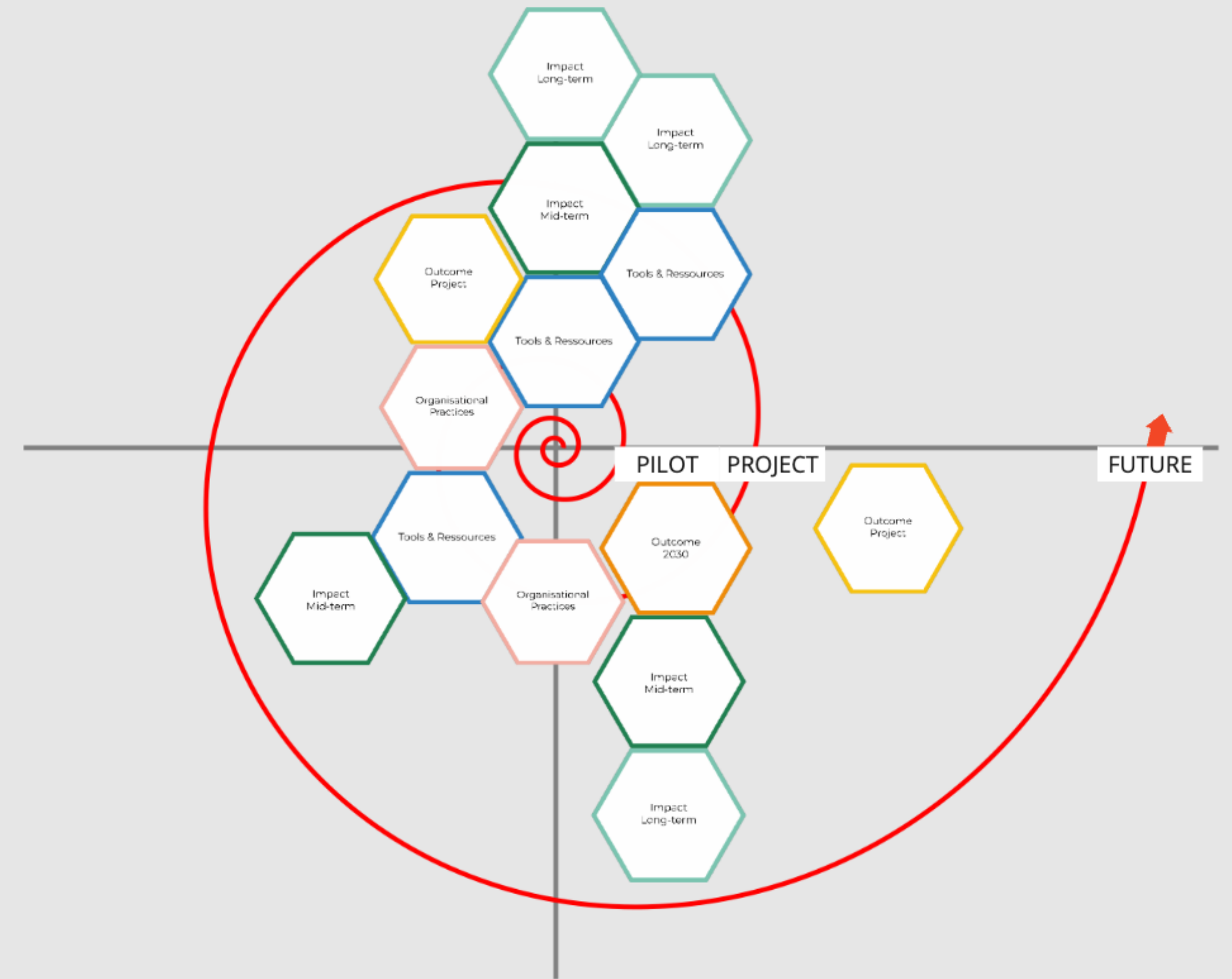
- Acknowledging boundaries (partners)
- Change (often) means losing control; enhancing self-organising
- Reporting (always) needs accuracy → indicators; classification
- Documenting, understanding, releasing



Lessons IV

Post-CENTRINNO

- A project as a social system
- Building meaningful relationships around a common narrative
- Concepts become concrete through human organisation





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ALEX PAZAITIS
alex.pazaitis@gmail.com

Website

www.centrinno.eu

Social Media



@centrinnoeu

YouTube

CENTRINNO EU