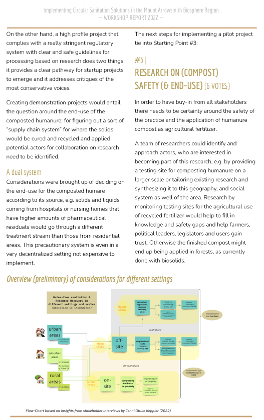
Systems Model for Implementing Circular Sanitation in the Mount Arrowsmith Biosphere Region

Starting Points for Action (green)

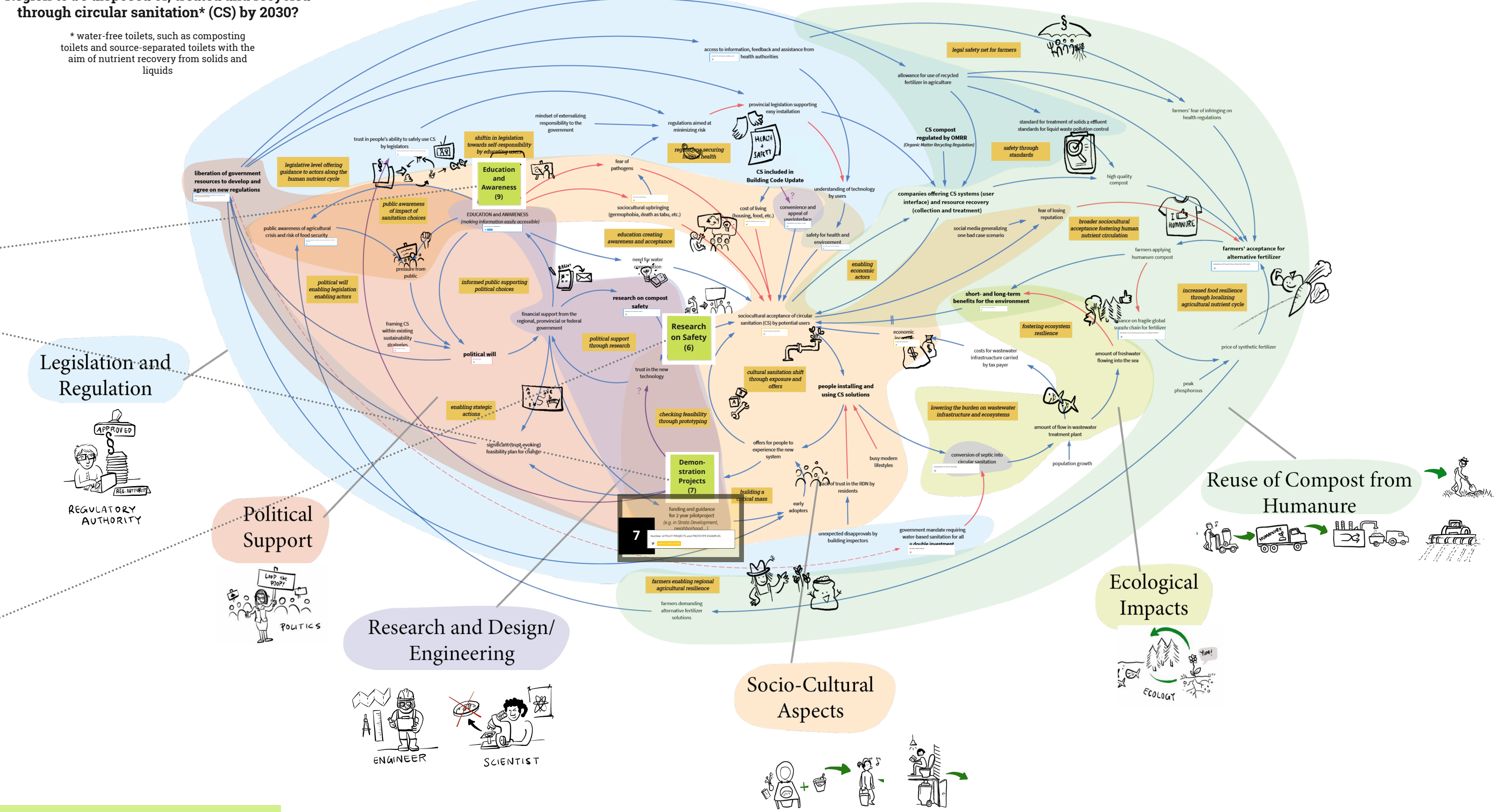
The prompt for identifying Starting Points:
„If you had $ 900,000, where would you invest it? Looking for the first step of action that we need to take in order to move the system towards the goal."



Circular Sanitation in the MABR

What is needed for 20% of human "waste" generated in the Mount Arrowsmith Biosphere Region to be disposed of, treated and recycled through circular sanitation* (CS) by 2030?

* water-free toilets, such as composting toilets and source-separated toilets with the aim of nutrient recovery from solids and liquids



Main Impact Indicator (black)

The prompt for identifying Impact Indicators:
In the year 2030 what variable(s) can tell us that we have come closer to the goal?

As suggested by Jenni:

#4 | Number of PILOT PROJECTS and PROTOYPE EXAMPLES

IMPACT INDICATOR

Rationale:
The presence of Pilot Projects (prototypes at different scales and environments) would be a significant first step towards implementing CS on a broader scale. It would imply the backing from across levels of decision-making: individual, communal, municipal, regional, provincial and possibly even federal. It would also mean a strong stepping stone for further developments in this directions will be laid, as it will increase exposure of the topic and enable collecting valuable feedback for users and sociocultural acceptance.

How to measure the actual impact of the projects:

- **impact scale; number of people involved across all levels**
- **user surveys**
- **matrix for rating impact (power) of the outreach that each collaborator of the pilot projects has, e.g. is mayor was part of it, or journalist, or influencer etc.**
- **social media resonance of the projects?**

HIghland Park Example:

Legend

A/A → B/B
Blue/S = Same directional development;
the more of variable A the more of variable B

blue arrow shows a decreasing, down-regulating effect

A → B
Red/O= Opposite directional development;
the more of variable A the less of variable B

red arrow shows an increasing, enabling effect

All Illustrations by Joanna Mitchell @textularia