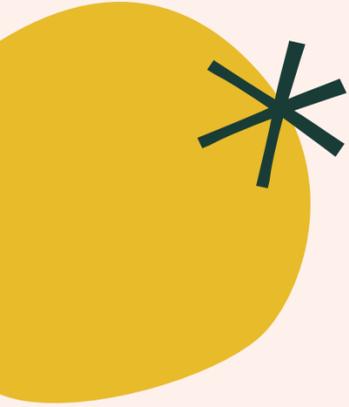




PLANETARY HEALTH LITERACY

Master Thesis Project by Laura Schamberger

Management Center Innsbruck & Global Health Literacy Academy



HEALTH IN A NEW ERA

ANTHROPOCENE

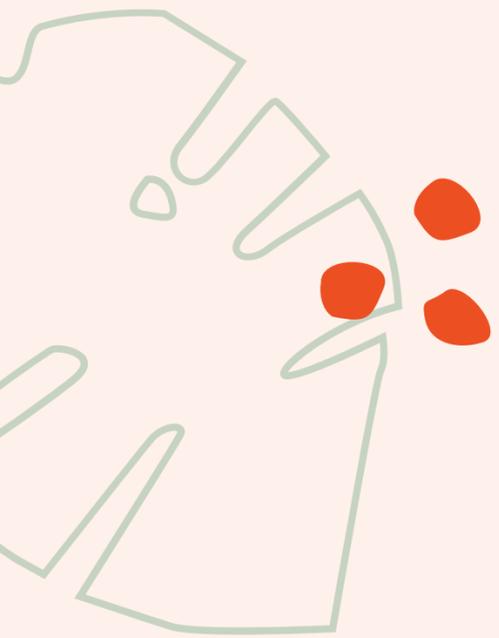
- Deep impact of mankind on our planet [1]
- Significant changes to land, water, organisms & environment [2]
- Environmental issues (climate change, global warming, pollution, loss of biodiversity, etc.) [2]

HEALTH EFFECTS

- Direct: accidents, injuries and risk exposure (extreme weather) [3]
 - Indirect: reduced food safety, infectious diseases, airway pathologies, conflicts and migration [3]
 - Deaths: Air pollution > HIV, tuberculosis & malaria [4]
- 

PREVENTION & MITIGATION

- Short & medium term: resilience (most vulnerable) [5]
- Long term: transformational action (reducing emissions, restoring biodiversity) [5]
- Supporting SDGs (social, environmental and economic determinants of health) [6]



CONCEPTS



Environmental
Health



OneHealth



EcoHealth



Planetary Health

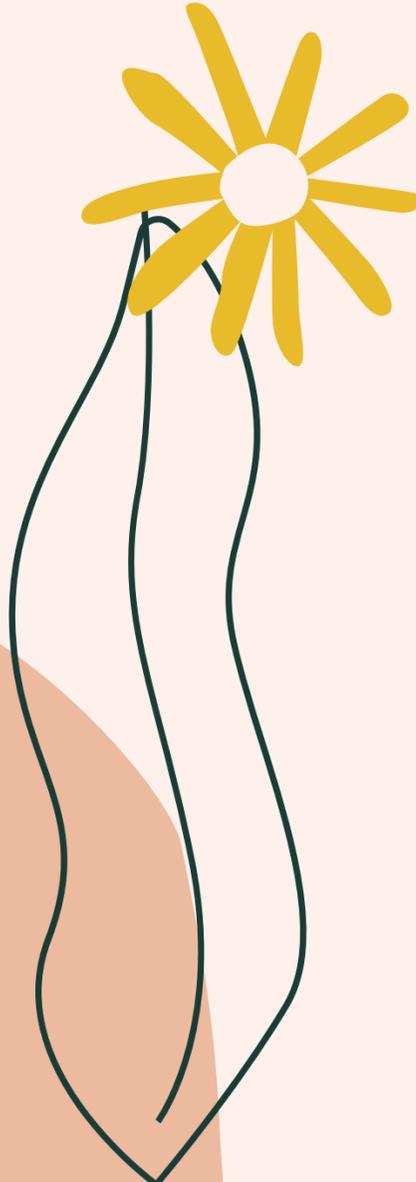


GeoHealth



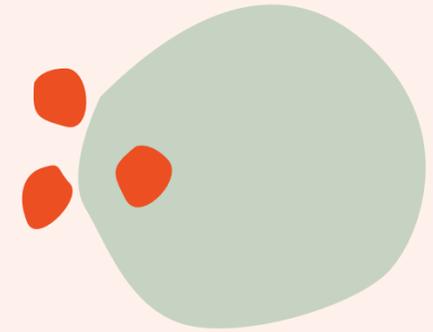
Source: Author's own work

	Planetary Health	One Health	EcoHealth	Environmental Health
Human Health	✓	✓	✓	✓
Animal Health		✓	✓	
Ecosystems	✓	✓	✓	
Biodiversity	✓	✓	✓	
Climate change	✓	✓	✓	
Pollutants	✓	✓	✓	✓
Environmental hazards				✓
Chemicals & toxins				✓
Food safety	✓	✓		✓
Zoonotic diseases	✓	✓		
Sustainability	✓	✓	✓	
Urbanization	✓			✓
Cultural aspects	✓		✓	✓
Social factors	✓	✓	✓	✓
Political factors	✓			✓
Economic factors	✓	✓		
Health equity	✓			
Inter-/trans-disciplinarity	✓	✓	✓	✓



HEALTH LITERACY

Climate Change & Health

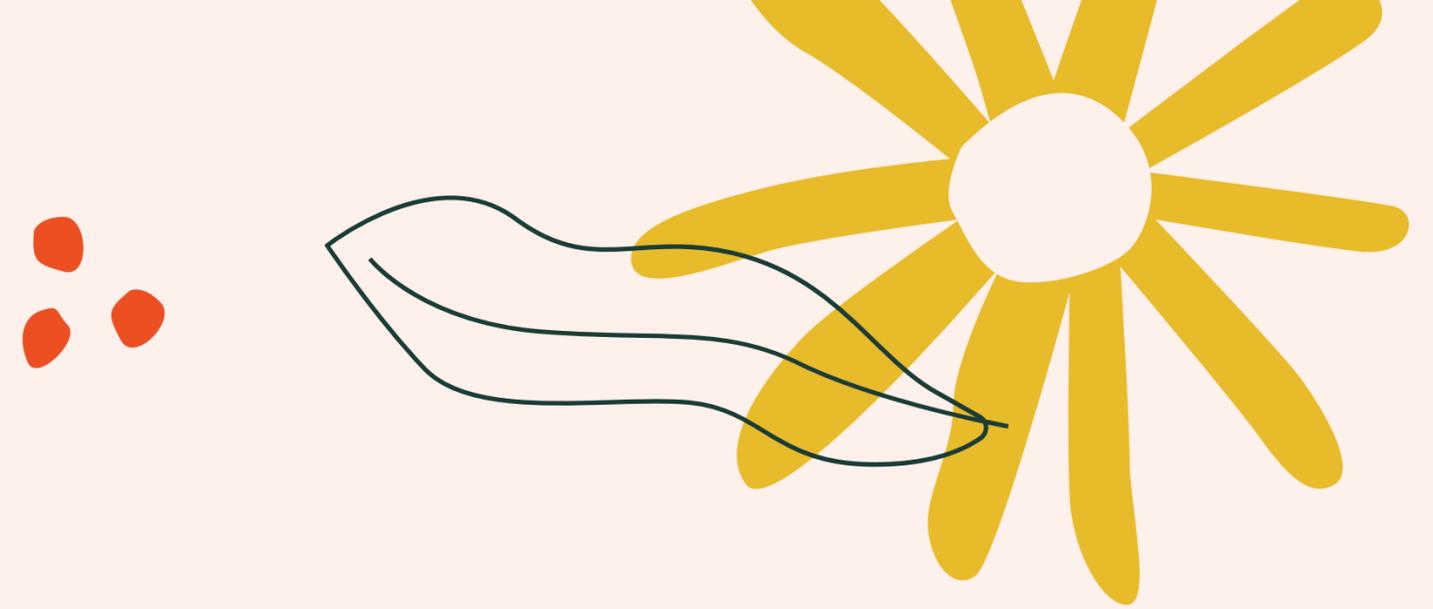


'Health Literacy entails people's knowledge, motivation and competences to access, understand, appraise, and apply health information in order to make judgments and take decisions in everyday life concerning healthcare, disease prevention and health promotion to maintain or improve quality of life during the life course' [7]

A study on Climate-specific Health Literacy showed that *'...a majority of people fail to recognize climate change as a serious threat concerning their own health, despite scientific evidence for such risks' [8]*

By framing the climate crisis in a health perspective, climate-specific health literacy and, thus, behavioral change may increase [8]

HEALTH LITERACY IN DIFFERENT CONCEPTS



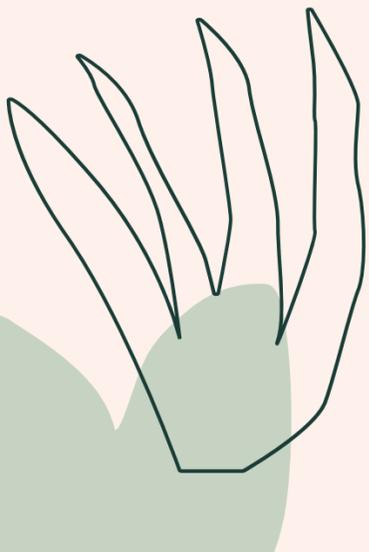
ENVIRONMENTAL HEALTH LITERACY

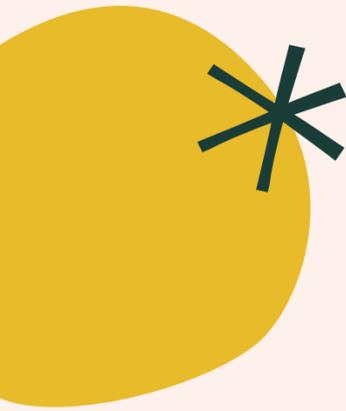
ECO-MEDICAL LITERACY

ECO-HEALTH LITERACY

CLIMATE & HEALTH LITERACY

WELLBEING LITERACY WITH RESPECT TO OUR
RELATIONSHIP WITH NATURE





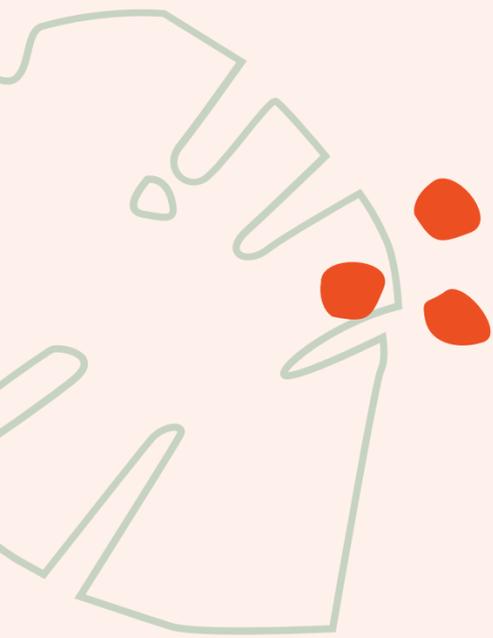
AIM OF THESIS



'How can Planetary Health Literacy be defined and conceptualized?'

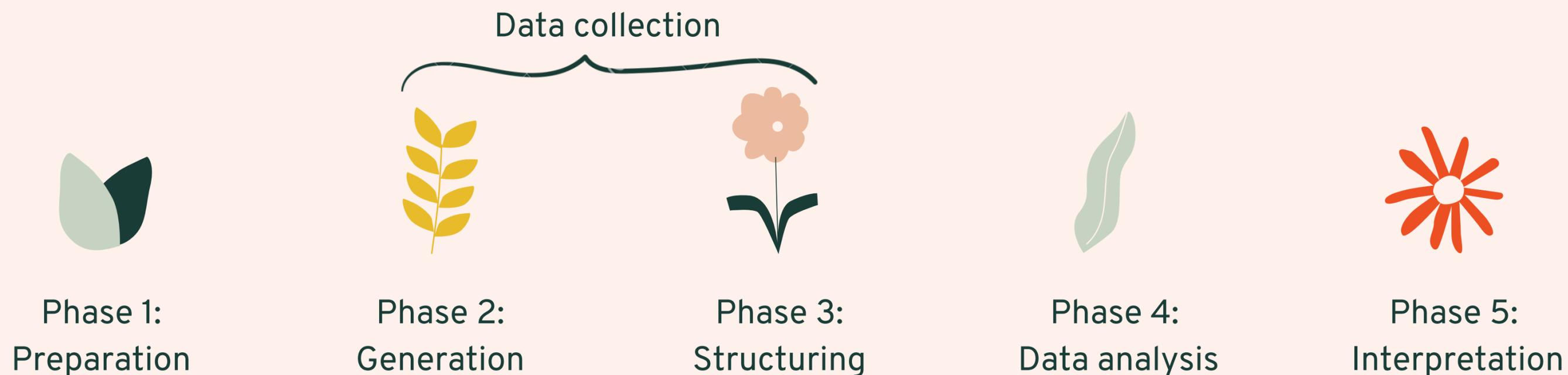
The thesis aims to define and conceptualize planetary health literacy, with the goal of recognizing, increasing and accelerating the impact of the planetary health concept.



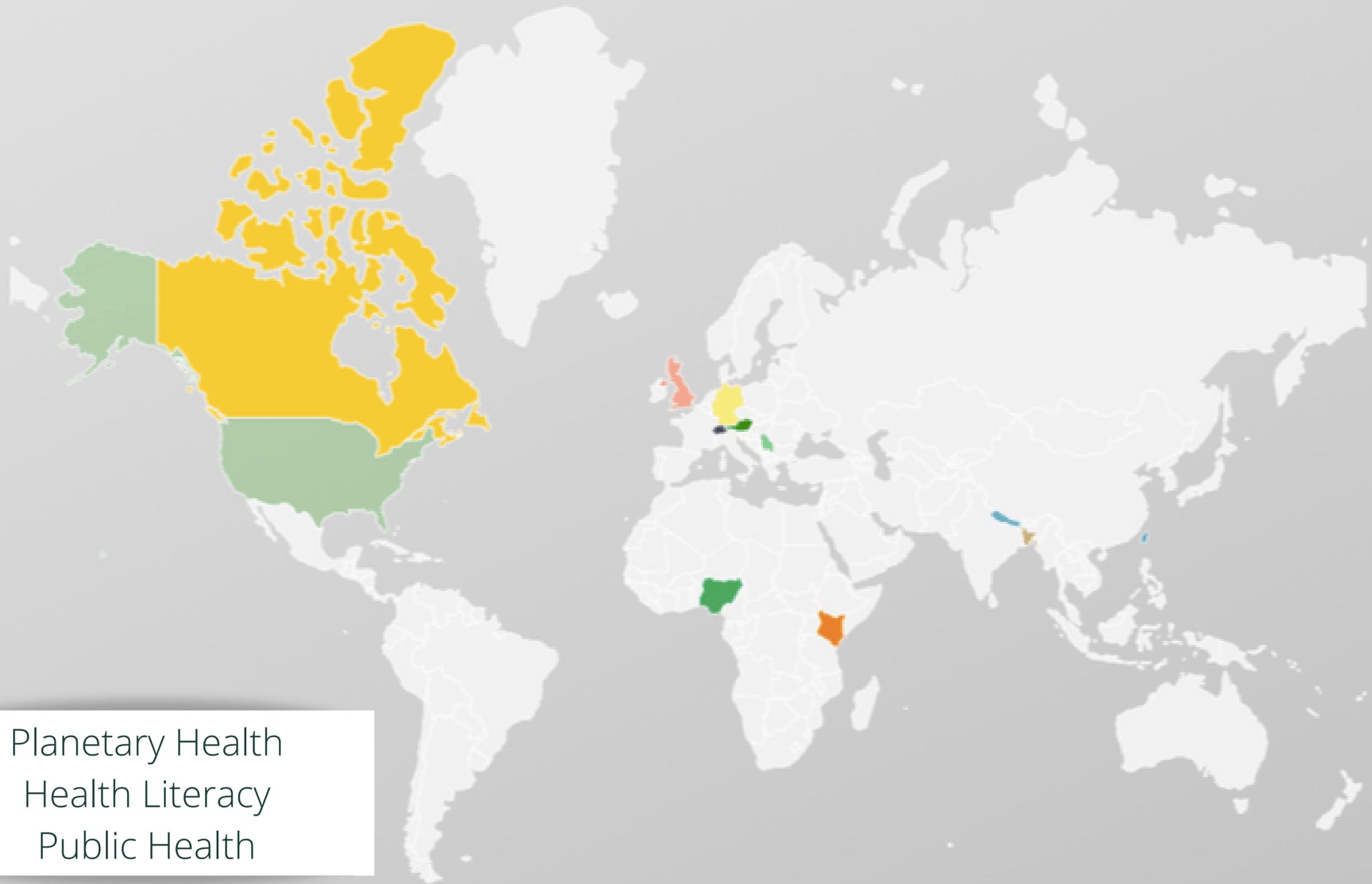


METHODS - Concept Mapping

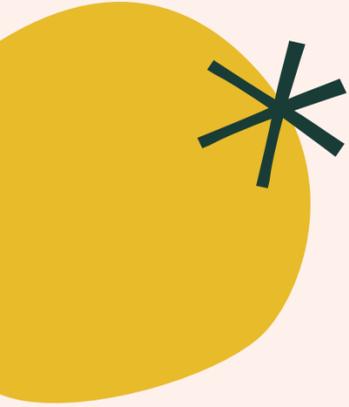
- Qualitative research tool that is based on *structured conceptualization* [9]
- Development of conceptual frameworks for complex topics
- Input from multiple participants that generate the results



- Austria
- Bangladesh
- Canada
- Germany
- Kenya
- Nepal
- Nigeria
- Serbia
- Switzerland
- Taiwan
- UK
- USA



Planetary Health
Health Literacy
Public Health



PRELIMINARY RESULTS

Sample size: 18 participants (phase 2) + 11 participants (phase 3)

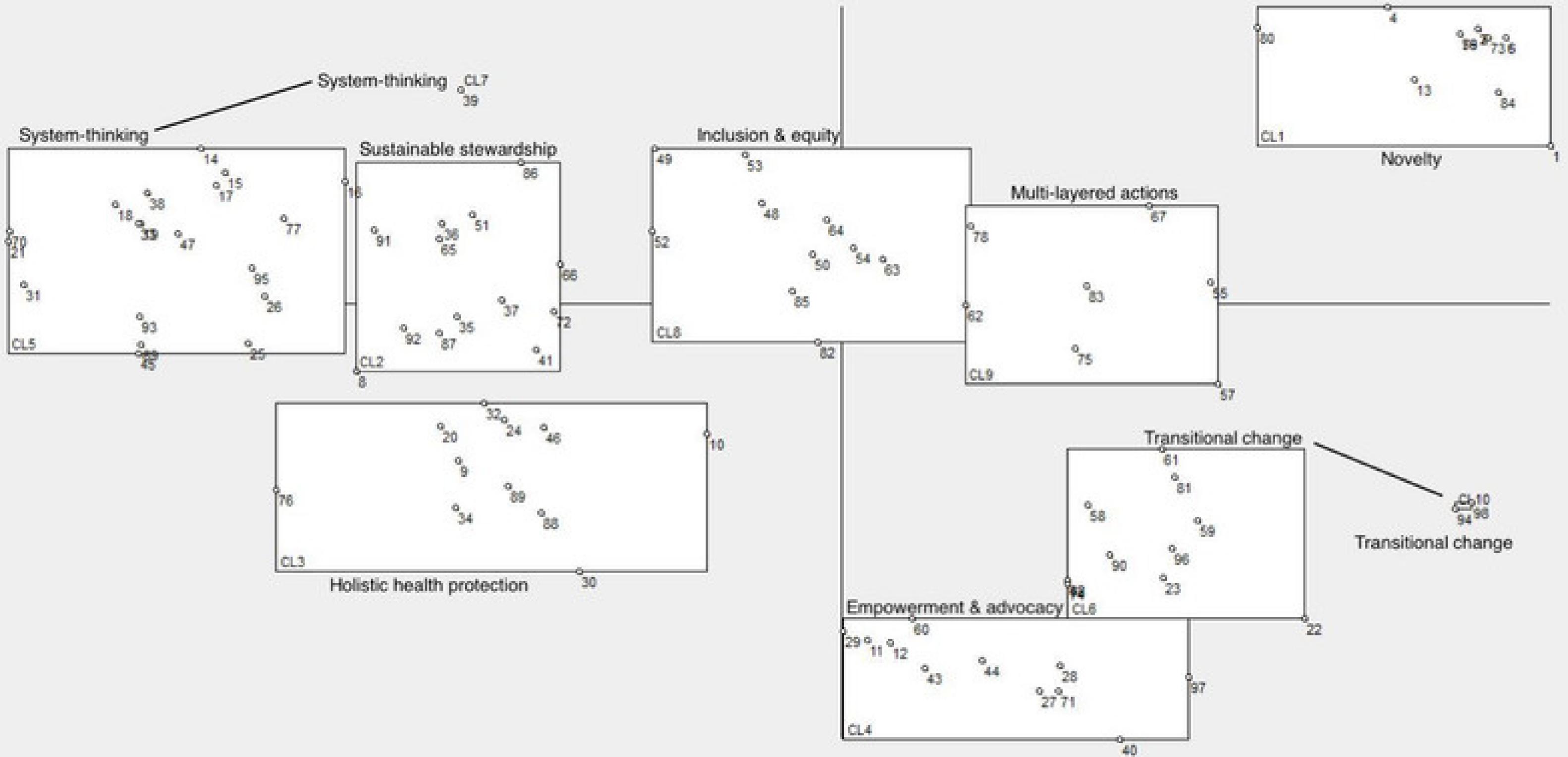
Health Literacy...

...is being able to apply knowledge on planetary health in everyday life

...works towards a state in which natural ecosystems, humans and other living beings can coexist indefinitely and in harmony

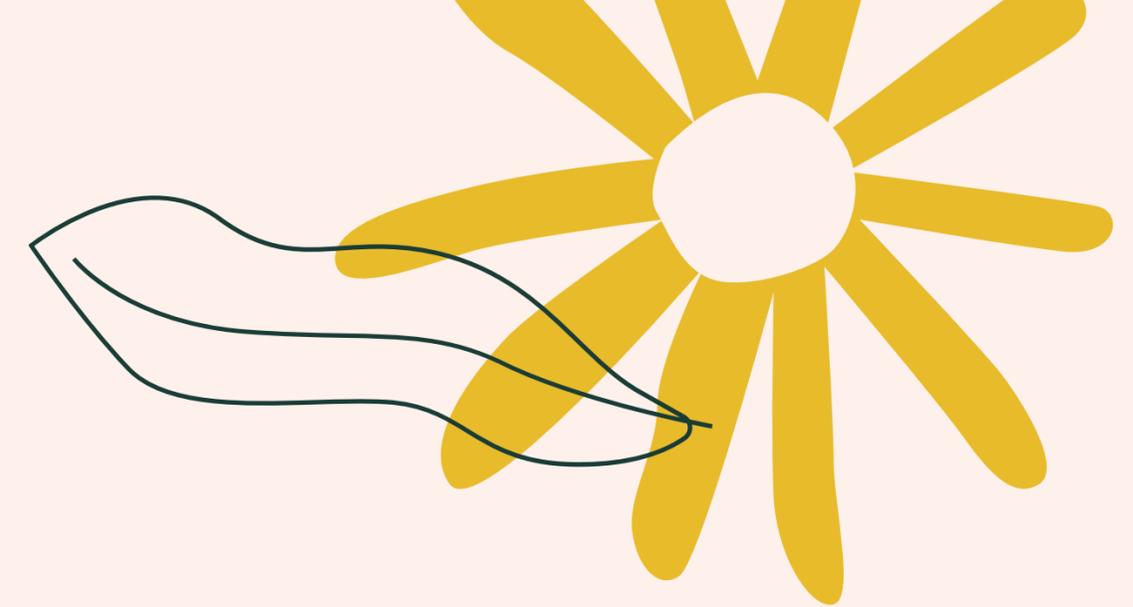
...pays attention to human systems (social, political, etc.) in relationship to natural systems





Note: this is only a preliminary excerpt of the results and is not yet fully finished. Labeling and the number of clusters might still change.

PREMILINARY CONCLUSIONS



KEY ELEMENTS

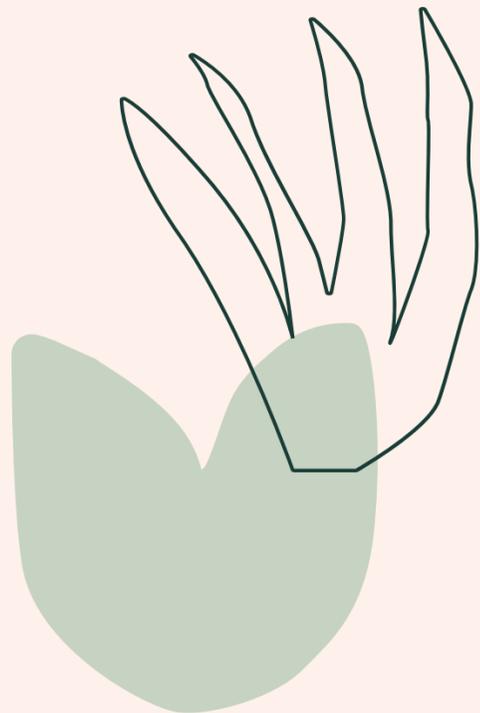
- Results show a multilayered conceptualization
- Aim to create basic framework & to encourage further research

COMMONALITY

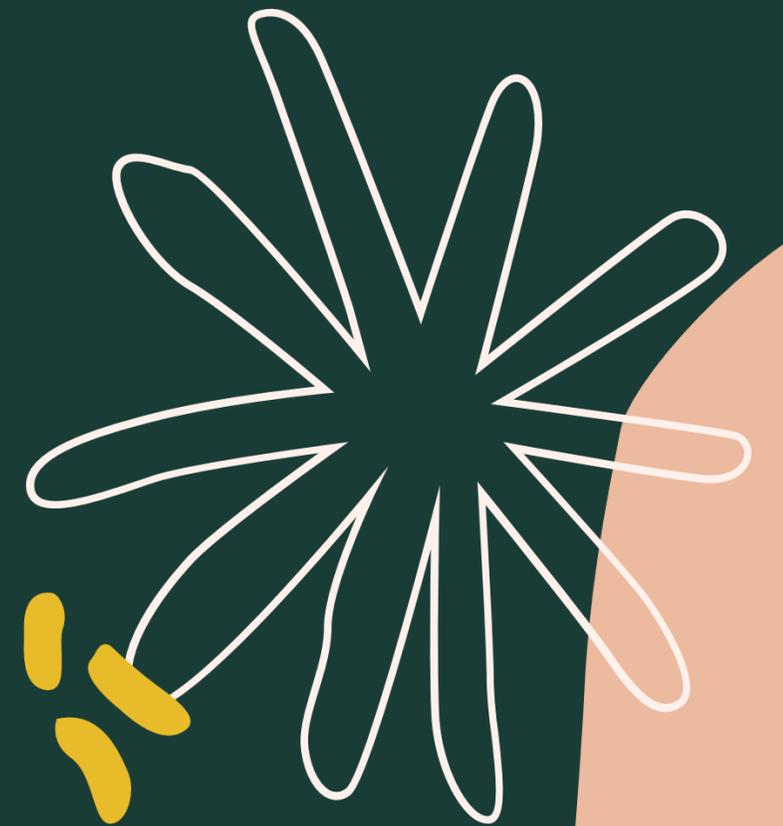
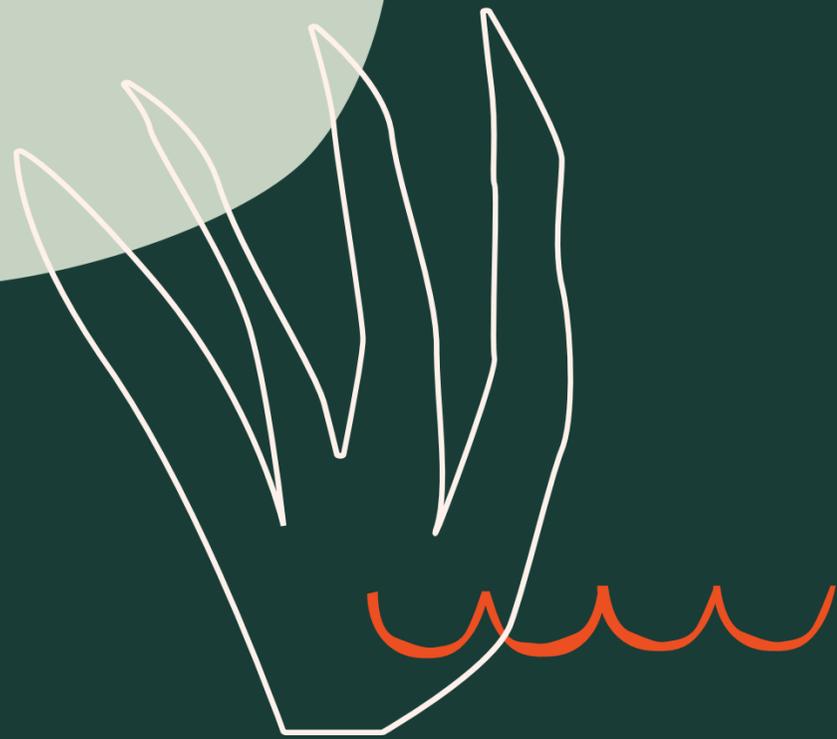
- Is there a need for a common universal concept?
- Or is increased trans-disciplinarity sufficient?

TERMINOLOGY

- Definition is essential for effective further steps
- Key for further dissemination & awareness for health & the planet



THANK YOU!



References

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