Acceptance of Technical Innovations

What do I want to achieve with this workshop?

understand who is interested in working in this field

Brief insights and short discussion on recent questions in technology acceptance

get to know researchers interested in the field of technology acceptance

Share ongoing research

feedback on research and further avenues to follow

Get to know the research field of DFIU

get to know each other and who is interested in which particular questions

Learn more about other colleagues' thinking

Consider new ideas / collaborations

Explore collaboration opportunities

Understand the link between technology and current challenges of society

potential collaborations

Get an overview about what is going on around that topic

I want to learn about the acceptance of new technology (geothermal energy in particular) and how we as scientists can facilitate and achieve acceptance.

Refresh the contact to the colleagues at KIT

Explore new collaboration

Meet researchers with similar interests

make contacts with researchers in the field of technology acceptance

Acceptance of technical innovations means for me...?

a) decisions for adoption (incl. non-adoption, rejection, resistance)

b) the role of professional actors for 'social acceptance'

transform an invention into a real innovation

critical reflection of pros and cons of new technologies both from an individual and an aggregate perspective

a measure of alignment of technology and individual preferences, beliefs, norms...

A condition to change habits

a predictor of the adoption of technologies

understand which "technologies" are good / bad for whom under which circumstances

understanding interactions between social and technological "spere"

Use technologies for the sake of society (including ALL stakeholders)

Designing and communicating innovations effectively

the adoption of them in the use case

investigate early adopters

public attitude towards specific technologies

A precondition to societal change - if acceptance is understood as an interactive process

barriers hindering adoption

Group 1: Which topics do we want to work on further?

Structures (Helmholtz)

Interdisciplinary science

Links between behavioral science and economics

Collaboration of "technical" scientists and sociologists/economist

Acquisition

EUCOR

What is special about the EUCOR region in comparion to other European regions regarding acceptance of innovations?

specifics of the region?

comparative studies

Topics

Junior researcher

Further ideas

normative motives vs. financial motives based on experience

Other energy topics: e.g., negative emission tech, sustainable heating, hydrogen

geothermal energy

Center of Humans and Technology

Acceptance

Communication activities

open and transparent data that are accessible for the population

Methods

How can we use / include trace data or big data to explain technology (non-)acceptance

How can we best measure "adoption"?

how can behaviour be tracked e.g. in a survey; what are the right questions to ask?

urban - non-urban context with regard to motives to adopt e.g. EVs

Ongoing platform for (ir)regular interaction/exchange

real-wolrd experiments/ real-world lab research?

alternative to the term "acceptance" that better chracterises the social interaction

acceptance has another dimension/relation besides political acceptance

"acceptance" is often used in a fuzzy way, it is a broad domain. "Adoption" could be an alternative, it is more about behaviour, but on the other hand it is narrow

Long-term goals

Interim Goals

Next steps

Already existing

comparative studies Germany - France: is energy behaviour similar ?

discuss different methodologies in context of a specific study idea

Relation to theories: Acceptance has been criticised as a theoretical construct (gen. engineering, nuclear tech) - is it ok for suts. energy?

"adoption"?

how much committment and time capacities are available?
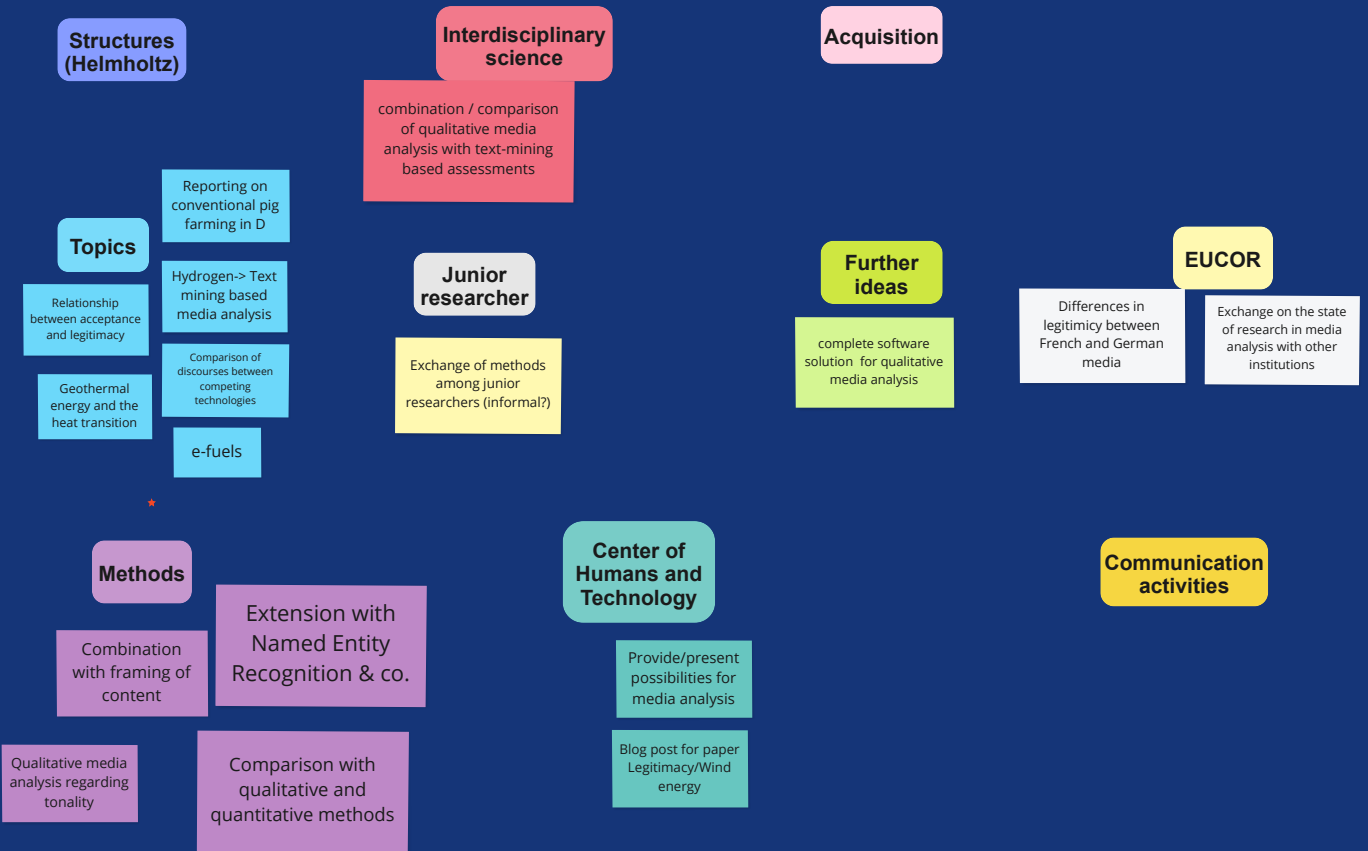
rethink and reformulate "acceptance" towards a more active strategy to foster transition

e.g. internal seminar / workshop

next steps:
- future collaboration
--> what are funding options?

Group 2: Which topics do we want to work on further?

Structures (Helmholtz)

Interdisciplinary science

combination / comparison of qualitative media analysis with text-mining based assessments

Acquisition

Topics

Reporting on conventional pig farming in D

Relationship between acceptance and legitimacy

Hydrogen-> Text mining based media analysis

Geothermal energy and the heat transition

Comparison of discourses between competing technologies

e-fuels

Junior researcher

Exchange of methods among junior researchers (informal?)

Further ideas

complete software solution for qualitative media analysis

EUCOR

Differences in legitimicy between French and German media

Exchange on the state of research in media analysis with other institutions

Methods

Combination with framing of content

Extension with Named Entity Recognition & co.

Qualitative media analysis regarding tonality

Comparison with qualitative and quantitative methods

Center of Humans and Technology

Provide/present possibilities for media analysis

Blog post for paper Legitimacy/Wind energy

Communication activities

Next steps

Exchange with further work of ISI and ECON

Announce master theses

Ask again at the KIT (MUT)

Integrate the German EEG

Long-term goals

Interim Goals

Next steps

Already existing

Comparison of discourses between competing technologies

Geothermal energy and the heat turnaround (Christina)

Exchange of methods among junior researchers (informal?)

e-fuels (Simon)

complete software solution for qualitative media analysis (NINA)

Hydrogen-> Text mining based media analysis (Simon, Christina)

Exchange across borders about the topic media analysis (Nina)

Qualitative media analysis regarding tonality - Qualitative media analysis regarding tonality (NINA)

Discussion points for the next meeting

- interdisciplinary methods
- Define Legitimacy
- choose one topic and dicsuss possible methods
- Discuss future research topics

Who is still missing in the group?

- for group 2 some paticipnats form KIT or beyond
- potential contributors might need to be identified -> broad request among KIT institutes
- French people. July a specific month.

How can the center of Humans and Technology support?

- Support the scientists in getting access to the media data
- search for particpants for group 2
- networking opportunity
- Participant list
- do you have money/funding for collaborative projects?

I wish for the next time ...

- a short, 5 min break
- leading questions/ clearer focus

Feedback for the facilitators

- Nice meeting. I just missed a lot (not the right day for me...). I would have appreciate to listen Joris too. Sorry Joris!
- miro is a nice tool
- keep the introduction even shorter