Weizenbaum Institut

Workshop-Auswertung: Paper Prototyp 1.0

ART+COM FORSCHUNG

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Datum: 28.10.2019

Ort: ART+COM

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1 Workshop-Frage:

- Welche neuen Geschäftsmodelle ermöglicht eine vernetzte Waschmaschine?

2 Notes: Beobachtungen und Feedback aus dem Workshop

Vorab:

- UI Elemente mussten erklärt werden
- Die todos / Ziele des Workshops müssen erklärt werden

Interaktion:

- Sie benutzen sofort das sketch board – brauchen das
  - um die Frage aufzuschlüsseln und sich damit eine Art Agenda/Fahrplan für den Workshop zu machen
  - um zu fokussieren
  - um die Frage festzuhalten und zu schärfen
  - für Notizen und Struktur
  - als Reminder, zu dem sie immer wieder zurück kehren können

- "Postponed" Ecke / "auf später verschieben", Ideen zum Weiterverfolgen → Backlog
- "das müssen wir im Kopf behalten" → Notifications
  - Sie legen oft Sachen hin ohne sie zu verbinden, ein unbearbeiteter Pool, für später
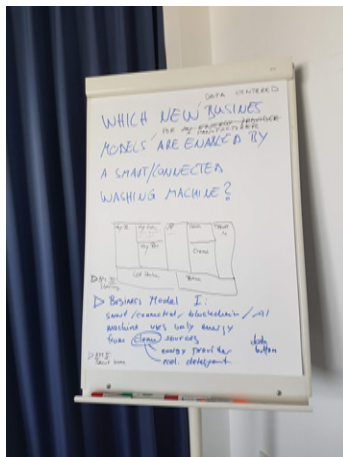
Vorgehen:

- split question: Frage wird zuerst für das "analoge" Device beantwortet, dann für das vernetzte → show relationships between questions
- ziehen das Business Model Canvas hinzu → Hilfsstrukturen
- edit question: make it more precise in several steps
- Derivative Questions - One discussion leads to a new questions → save questions for later
- 2 Stages:

- Explore and Branch
- Focus and Specify

- "paxing with data – we should add that to Zohar's group" – an andere Fachperspektive übergeben (@)

Mermale / Struktur:

- Entities have properties with perspectives, siehe offline/online stores
  - change perspectives when moving from analog to digital (retailer: online / office, change in the business models / cashflows, and matrix)
  - Feature: make snapshot of discussion before changing from analog to digital perspective on topic

- Shouldn't lead to too open discussions, 'keep on track' the discussion, difficult to keep
- Colour code helped to think in a more structured way
- 'Ich bin jetzt kein Ökonom, aber so würde ich das sehen" - Adding perspectives, making perspectives possible

Features:

- "talk back to the system"
- "name system"
- Some lookup for entities, Wikidata, wiki, other contexts, Info box
- Filtering the connections: e.g. only display economic connections
- Cases & Personas -> Tool for that?
  - Persona as instance from entity

- first doing: analog; then digitise it; then show the graph
- add constrains to the question:
  - "what if"-button, speculative perspective
  - compare: look at real world examples
  - analyse → synthesize: collecting materials, not looking for answers (Kartographie)

Productivity :

- Vorab festlegen
  - Ziele des Workshops
  - Zeit

- Diskussionsregeln

Assistenz:

- was tun, wenn Diskussion stockt
- sie an einem Detail hängen bleiben, "whats the difference between smart and connected"
- wenn neue Fragen aufkommen
- die Ausgangsfrage verändert wird
- wenn sie unterschiedliche Definitionen haben

Aims / Possible outcomes of the workshop:

- ideate / create new business models
- for law makers, politicians: map out unregulated relations
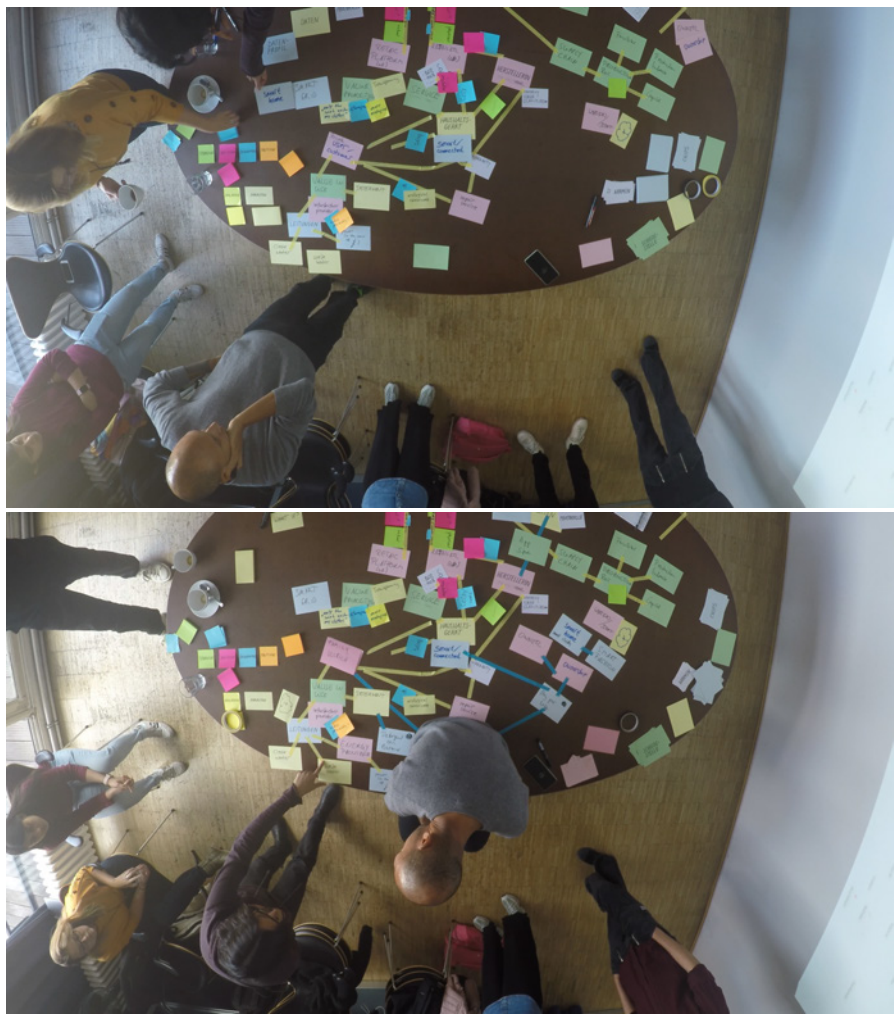- add moral dimension
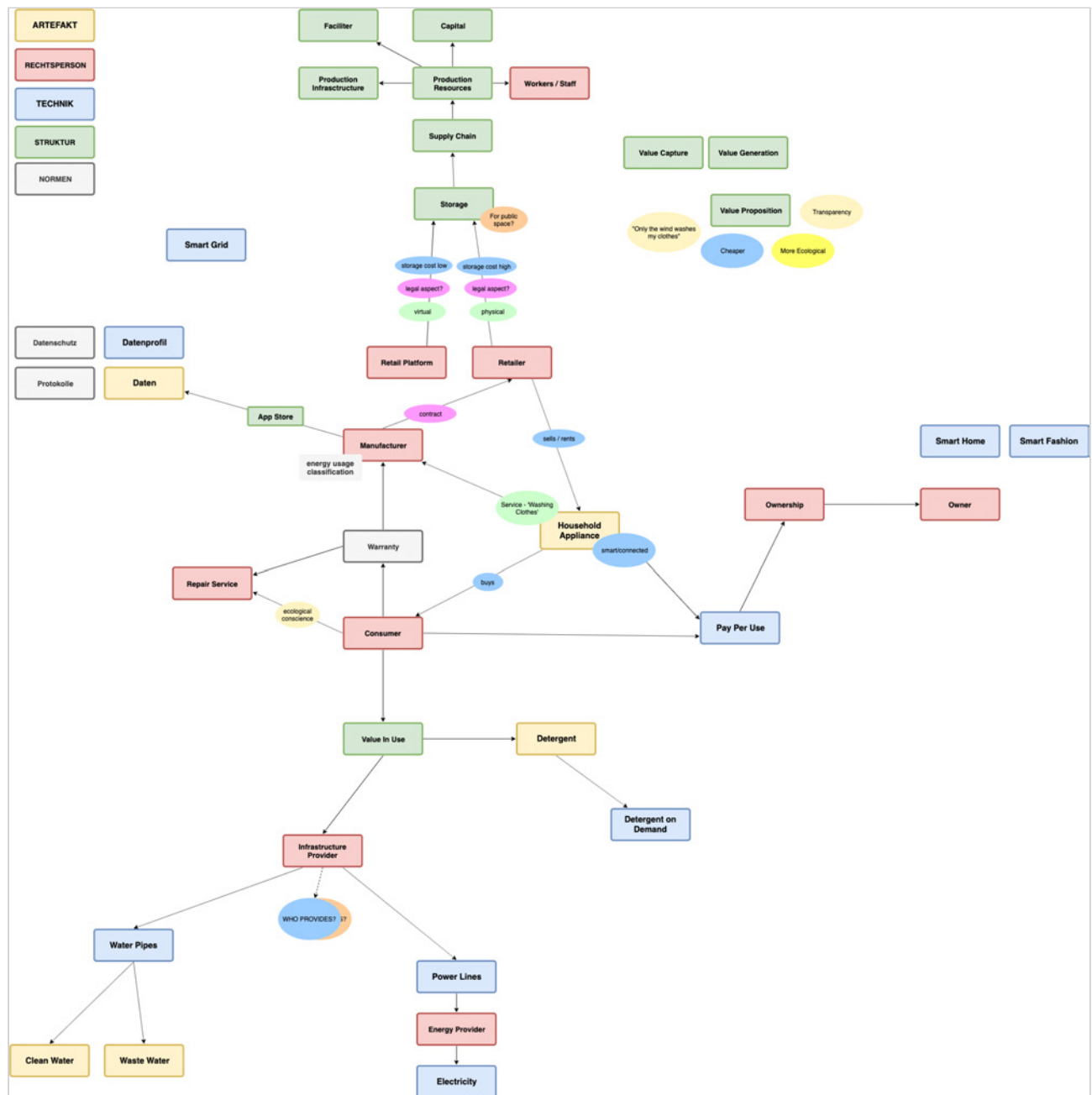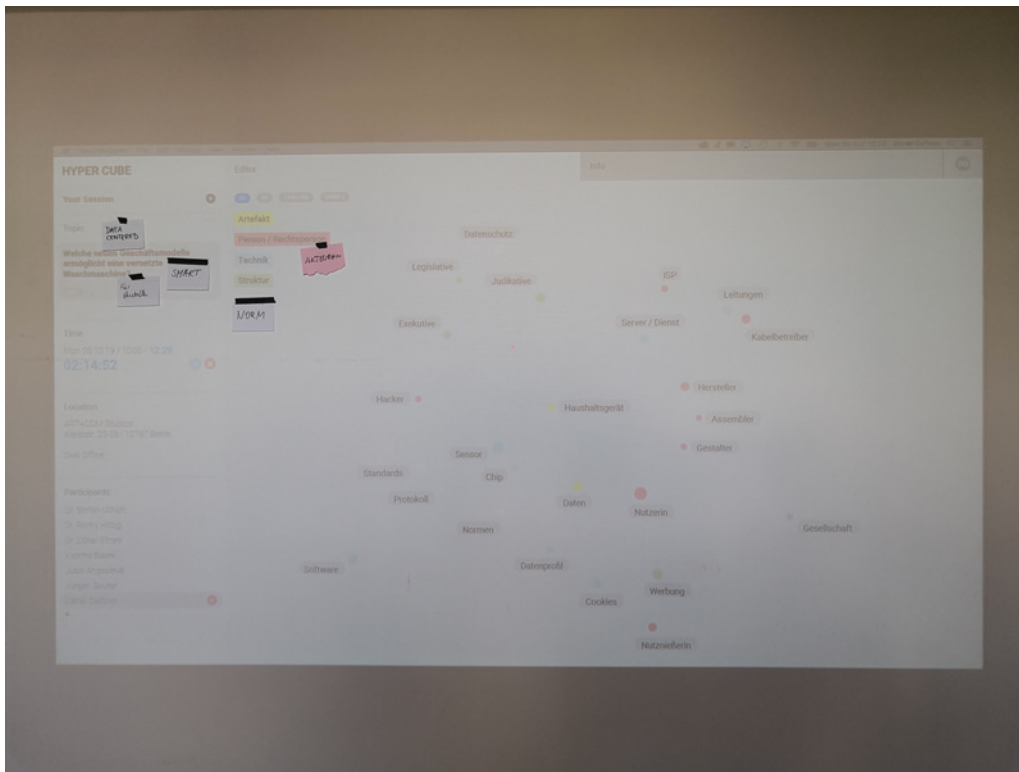- exploration mode for the public

3 Zwischenstände

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4 Finaler Stand

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5 Digitalsierte Fassung

6 Änderungen im "UI"

7 Feedback von Weizebaum

1. Uns wäre sehr daran gelegen, zunächst den analogen Teil des HyperCUBE auszubauen, also die "Ohne-Laptop-Version"
2. Daran würden wir auch gerne die Konzeption des Paper-Prototypen ausrichten, der bestenfalls bis Mitte November so weit entwickelt ist, dass wir zumindest eine Demoversion öffentlich beim Internet Governance Forum präsentieren können
3. Gestern wurd ja kurz überlegt, ob man Tools wie das Business Model Canvas integrieren könnte, um z.B. Entities zu erfassen bzw. zu Strukturieren. Wenn gewünscht, könnten wir eine Liste solcher Tools erstellen und ihnen zuschicken.

8 Knowledge Tool / Paper Prototype

Play- & Rulebook

The Weizenbaum Institut „Knowledge Tool" supports interdisciplinary debates by providing a workshop methodology based on predefined instructions and prefabed workshop materials with the aim to structure and record multi-perspective exploration and analysis.

When using the Paper Prototype, please follow these instructions and rules.

Props:

- Table = discussion frame: approx. 3 x 2 m
- Tool-Kit provided by ART+COM containing:
    - Cards
    - Tape
    - Guidelines Poster

Preparations:

- Set up the table, place the cards, tape and multiple pens where they can be reached easily by participants. Designate an area on the table to be the "backlog" and another one for "questions" (these can be sheets of paper with the terms written on them or paper or cardboard boxes).
    - Maybe a "question card" or "backlog card"? In A4? Or use normal A6 with the term inside and place in a designated area, framed by specific tape.
- Phrase question for discussion, for example: "How does mobility as a service change an urban society?"
    - Use "question cards" (in A4), if question changes over time, use multiple and place them next to each other.
- Set time & place for discussion. How long do you want to spent time on negotiating this question with the group?
- Set goals for the discussion: What are the desirable outcomes of the discussion, for example: "Create overview of topic", or "Ideate new business models".
    - Goal card?
- Communicate the above to the participants.
- Invite a moderator.

Moderator:

- The moderator is familiar with the Knowledge Tool and the topic and discussion goals.
- The moderator does not participate in the discussion.
- She/he will keep the discussion on track and in time:
    - Asks every 10 min. if the discussion still focusses on the initial question and leads towards the declared goal.
    - In case other questions come up: Guide the discussion for max 5. min. If not solved or integrated into the discussion frame, the debated question must be moved into the "Further Topics"-field.
- Advises the participants on following the rules.

Starting the discussion:

Please clarify the following aspects with the participating discussants:

- Is the question understood by everyone?
- Are all topics/concepts mentioned in the questions clear to everyone?
- Do the discussants share the same conceptions?
- Clarify from which perspective participants will drive the discussion.
- Clarify which attitude participants bring to the discussion.
- Debate how the question will be answered:
    - by concentrating on a high level description
    - by using concrete uses cases, personas etc.
        - if so: describe the cases and personas and write the description down

Structuring the discussion:

- Explore:
    - Take 20 min. to explore all possible branches of the discussion and to map out the topic in the discussion frame.

Then

- Vote:
    - The group members vote which areas of the discussion they want to pursue
- Analyse / Zoom in:
    - Focus the following discussion time on the most voted areas

or

- Identify and tag entities which are central for the discussion
- Focus the following discussion time on these entities.
- You are allowed to branch out from these entities up to a maximum of three degrees of separation.

Rules:

- Pick and discuss only one entity at a time!
- Whenever an entity-card is picked and placed into the discussion frame it has to be connected to at least one other entity immediately.
- Relations must be named immediately upon being added to the table.
- Whenever a card is picked and cannot be placed immediately (because for examples relevant relationships cannot be defined yet), it must be moved into the "Backlog"-section.
- Whenever a secondary question in relation to the original one arises, it has to be noted in the "Questions"-section.
- Whenever a helper structure ("Hilfsstruktur", parts of a canvas, for example "Value Generation" from Business Model Canvas) is being used, the entity in this relation must be tagged with a sticker which corresponds to a sticker on the helper structure (place a sticker on the helper structure in question if it has no sticker yet).
- Perspectives ("ethical", "technical" etc.) are added to the model (to entities as well as relationships) with the help of post-its.
- Whenever a certain state of the discussion has to be freezed (for example, first discussion round focusses on business models for analog devices, the second round builds upon that discussion for connected devices), the moderator has to photograph the discussion state before it continues to the second round.

9 Karteikarten:

Typefaces:

Roboto Mono (open source):
https://fonts.google.com/specimen/Roboto+Mono

Bely Display (es braucht nur den Schnitt Bely Display): Tauglichkeit als Marker
Inbegriffen in der Adobe Fonts Lizenz, ansonsten zB hier zu erwerben:
https://www.type-together.com/bely-font

| Target Name	Type	Rating	Status	Date Modified
bw_org_01	Single Image	★★☆☆☆	Active	Nov 11, 2019 14:54
bw_artefact_06	Single Image	★★★★☆	Active	Nov 11, 2019 13:32
bw_norm_10	Single Image	★★★★☆	Active	Nov 11, 2019 13:30
bw_artefact_05	Single Image	★★★★★	Active	Nov 11, 2019 13:24
bw_norm_09	Single Image	☆☆☆☆☆	Active	Nov 11, 2019 13:16
bw_norm_08	Single Image	★★★★☆	Active	Nov 11, 2019 13:14
bw_norm_07	Single Image	★★★★☆	Active	Nov 11, 2019 13:06
bw_norm_06	Single Image	★★★★☆	Active	Nov 11, 2019 13:03
bw_norm_05	Single Image	★★★★☆	Active	Nov 11, 2019 13:01
bw_artefact_04	Single Image	★★★★☆	Active	Nov 11, 2019 12:56
bw_norm_04	Single Image	★★★★☆	Active	Nov 11, 2019 12:53
bw_norm_03	Single Image	★★★☆☆	Active	Nov 11, 2019 12:45
bw_artefact_03	Single Image	★★★☆☆	Active	Nov 11, 2019 12:35
bw_artefact_02	Single Image	★★☆☆☆	Active	Nov 11, 2019 12:32
bw_tech_02	Single Image	★★★☆☆	Active	Nov 11, 2019 12:27
bw_norm_02	Single Image	★★★★☆	Active	Nov 11, 2019 12:23
bw_entity	Single Image	★☆☆☆☆	Active	Nov 11, 2019 12:18
bw_tech	Single Image	★★☆☆☆	Active	Nov 11, 2019 12:17
bw_norm	Single Image	★★★★☆	Active	Nov 11, 2019 12:11
bw_norm_n	Single Image	☆☆☆☆☆	Active	Nov 11, 2019 12:10
bw_artefact_a	Single Image	☆☆☆☆☆	Active	Nov 11, 2019 12:08

NORM changed to LEGAL NORM

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ARTEFACT

Toaster, Data, Clean Water, Electricity
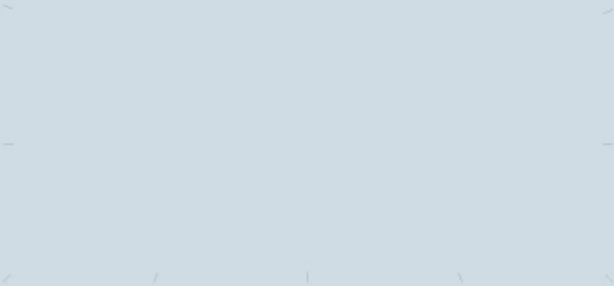
STRUCTURE

Supply Chain, App Store, Society

NORM

Warranty, BGB, Data-Protection, Protocoll

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TECH

Data Profile, Sensor, AI, Water Pipelines

LEGAL ENTITY

User, Staff, Manufacturer, Assembler

ORGANISATION

Google, ISP, Water Supplier, Retail Platform

10 Poster

ASSETS

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1. Question Space
2. Goal Space
3. Further Topics
4. Backlog
5. Layout Tape

6. Entity Card
7. Relation Tape
8. Perspective Post-It
9. Reference Tag
10. Marker - *bold*

11. Phone / Camera
12. Recognition Frame - *Keep Clear*
13. Writing Field - *Write Clearly*
14. Relation Anchors
15. Reference Spot

Artefact
Structure
Legal Norm
Technology
Legal Entity
Organisation

ENTITY TYPE

Examples, of, this, type

Legal
Technical
Economical
Political
Ecological
Moral

PROCEDURE

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Moderation:

Invite or declare a moderator. The moderator does not take part in the discussion, her or his task is to keep the discussion on track. The following guidelines should help!

Preparation:

Set up the table by designating the 4 areas: *Question Space(1)*, *Goal Space(2)*, *Further Topics(3)* and *Backlog(4)*. The rest of the table is your playground.

Phrase a question for the discussion and write it onto the *Question Card*. After making sure the question and its containing concepts and terms are understood by everyone place the card into the *Question Space*.

Make aware of the perspectives each participant brings to the table and how they can contribute to the discussion.

Try to be specific regarding the goals for your discussion. Do you want to answer a question, find a solution to a problem or rather create an overview of important actors within a topic?

Set time frames for your discussion. Separate your discussion into segments, e.g.:
30 min: Explore, branch and map out important entities
30 min: Focus onto chosen actors and specific aspects, or create personas and cases for more concrete inspections

Discussion:

Check at all time: Is the discussion still focusing on the question and leads towards the declared goal?

During the exploration phase, participants shouldn't be stuck on one entity longer than 2 minutes. It can always become part in the focus section of the discussion.

Which known models from the *catalog* can be integrated into the discussion? Mark relevant entities with the *Reference Tags(9)*.

If the discussion branched out too much or other questions arise, allow a 5 minute frame to close the path, resulting aspects and topics can be laid into *Further Topics* for future discussions.

Stick to your time segments, stop branching out and focus on your most important perspectives.

Over time, the initial question and goal or aspects of them might change. Everyone needs to agree on this change but if: Use additional *Question* or *Goal Cards* and lay them next to the initial card.

Documentation:

Document and 'freeze' stages of the discussion by taking pictures of the table. When switching from exploration to focus, or when your question or goal changed. The more the better.

At the end of the discussion make sure to take several images of the table, it's better to have many pictures of smaller sections than only one overview picture from far away.

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RULES

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Pick and lay down only one entity at a time

Every entity has to have at least one relation

Relations must be named

Relations and Entities have perspectives

Entities with no relations go into the *Backlog*

Use *Further Topics* to place future discussions

Use stickers when referencing the *catalog* ●

Questions can evolve, document it

Keep your goal in focus

The moderator guides and decides

Take pictures, in stages, until the end