

Sessions

Wednesday 23.10. 15-17 Introduction to product development processes and course practicalities

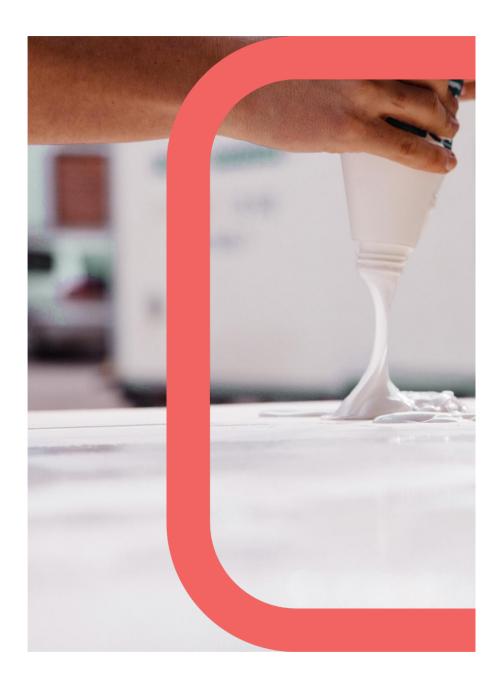
Wednesday 30.10. 15-17 *shared session with PDP Needfinding

Wednesday 6.11. 15-17 *shared session with PDP Value mapping, Visiting lecture from Ville Eloranta

Wednesday 13.11. 15-17 Problem framing

Wednesday 20.11. 15-17 *shared session with PDP Ideation

Wednesday 27.11. 15-17 *shared session with PDP Concepts and Patents, Visiting lecture on patents from the Finnish Patent and Registration Office (PRH)

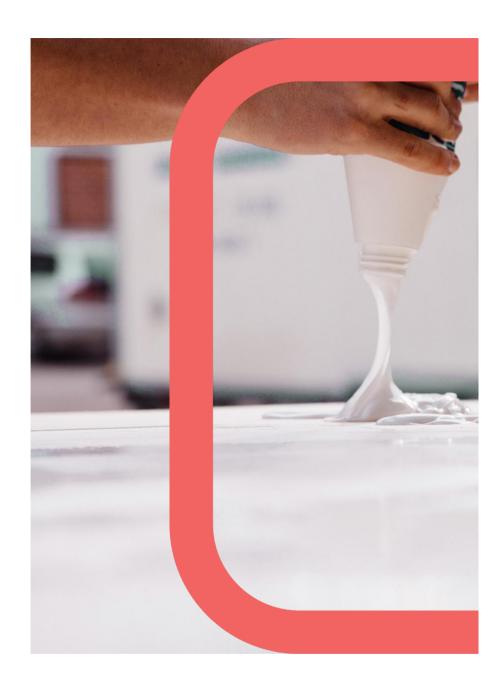


Today's session

Mapping stakeholders

Tools for needfinding

Introducing first assignments





Users and stakeholders

Primary users

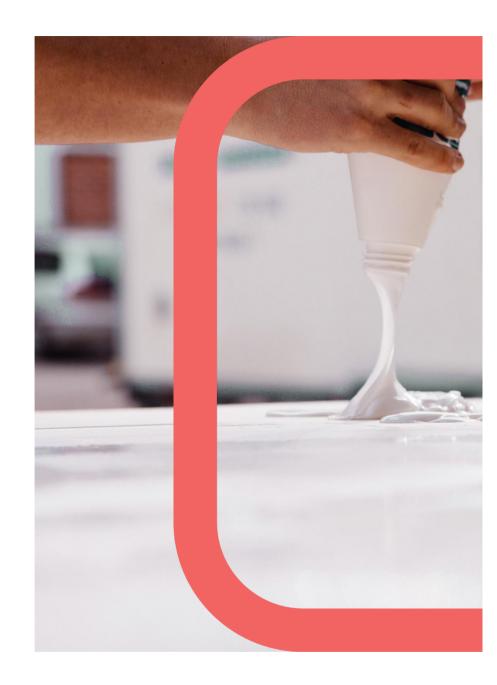
• Use the product themselves

Secondary users

 Do not use the product or system directly, but give or receive feeds

Tertiary users

- Affected by product use even though are not directly interacting with the product
- + Facilitators; develop, fix or maintain the product or the system it belongs to





Stakeholder roles

Stakeholders can be used..

... gathering knowledge

... in co-designing

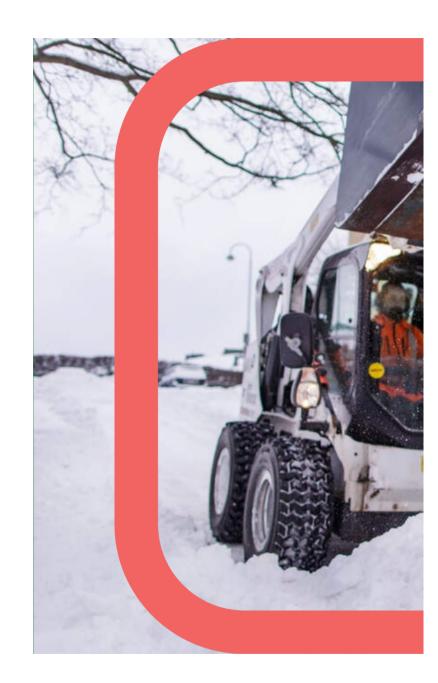
... as information sources

... in evaluating and validating

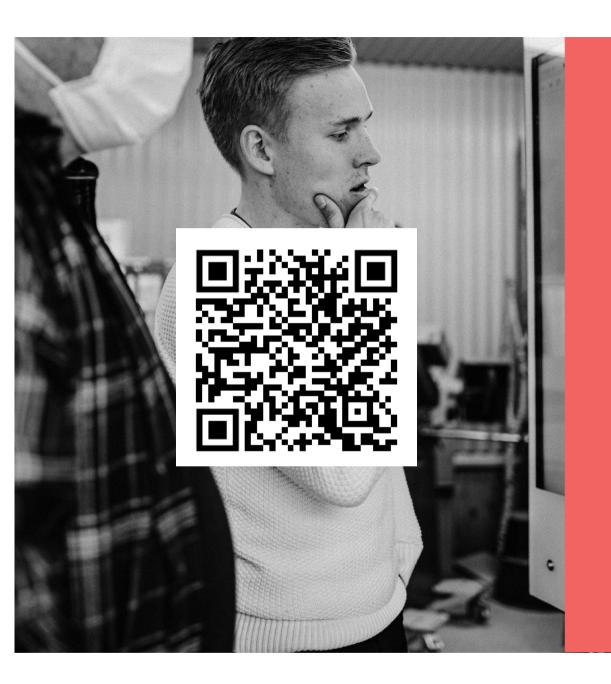
... driving change

... securing resources

. . .







Brainwriting stakeholders

- 1) Scan the qr-code and go to Miro.
- **2) C**laim one of the frames for your group. Write down your groups alphabetical name or PDP project on the first sticky-note.
- 3) Follow the instructions of writing down different stakeholder groups related to you PDP or the Brief in MyCourses.
- 4) Do not jump ahead to task 2.

round roundINTO THE ECOSYSTEM **USUAL SUSPECTS** Take an even wider look at the ecosystem. Consider if anybody else Start by adding some usual suspects. might have an interesting stake in this issue. Who are primary users? Which user groups are more likely Who else might be affected by the issue? to experience the issue? Who are key customers? Who pays for offerings or operations Who else might be helpful in addressing it? influencing the issue? Who are key suppliers? Who provides materials or resources for the offerings or operations in the context of the issue? INSTRUCTIONS Who are key collaborators? Who are collaborators in developing these offerings or operations? Individually, write down Everybody: stakeholders (people, groups, organizations) relevant to your PLACE ALL chosen issue, each on a separate STAKEHOLDERS sticky note without sharing HERE with your group members. You on one pile as you go round round have five minutes for each through the rounds. round, aim to identify at least 3 two stakeholders in each question. Don't review yet, don't worry about **EXTREME USERS** DOWN THE CHAIN double ones! Consider who might be disproportionately impacted by your issue. Take it a step further down the chain. Who might struggle to use the current solution, for example Who are secondary users? Which user groups are impacted due to their permanent or temporary physical attributes and by the primary users' experience? abilities? Who are customers' key customers? Who receives offerings Whose expressions or experiences might be undervalued in from the key customers, whose needs do they serve? relation to the issue, for example due to their gender, ethnicity Who are suppliers' key suppliers? Who do the suppliers or sexual identity? receive (raw) materials or resources from? Who might struggle to access the current solutions, for Who are collaborators' key collaborators? Who else do the example due to their social status, wealth or education? collaborators work with to develop new offerings, operations, or other solutions? Who might struggle to participate equally in the issue, for example due to their language skills, neurodiversity or sensorial experiences?





Mapping stakeholders

1)

In Miro, move to the 2nd task. Map the stakeholders you identified into the matrix of pontetial co-designers, sceptics, informants, and changeagents.

Share!

Potential change agents

could become ambassadors of your project or concept. Consider talking to change agents if you feel good about your idea but need more buy-in or if you need help advocating for your project.

ENTHUSIASTIC ABOUT THE CHANGE EFFORT

NOTE

The change effort enthusiasm can either relate to developing the issue in general (if you are just starting in your project) or be relative to a specific solution direction you are thinking about (if your project is already further along).

Potential codesigners

could help generate more ideas and elaborate ideas through testing. They are likely to help improve your idea but less likely to advocate on your behalf. Consider talking to codesigners if you would like to explore new solution directions or are unsure your solution fully tackles the identified issue.

DISSATISFIED ABOUT
THE CURRENT SITUATION
SATISFIED ABOUT
THE CURRENT SITUATION

Potential informats

could help you better understand present issues. They are likely to be willing to share their concerns but less likely to participate in supporting your change effort. Consider talking to informants if you are unsure you are targeting the right issue or would like to increase your understanding of different needs.

Potential skeptics

can be more difficult to motivate, but you might still need their support or buy-in. If that's the case, you could think about how you could demonstrate the effects of the issue you're trying to tackle or the benefits of a solution you've developed to build enthusiasm. Consider inviting skeptics to demonstrations and sharing insights or results gained together with change agents, codesigners, or informants.



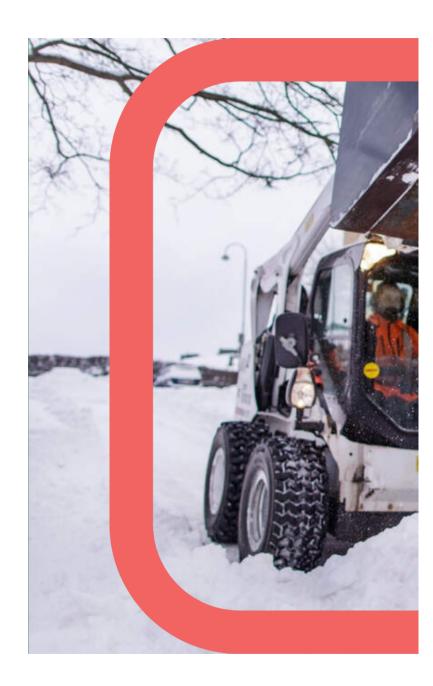


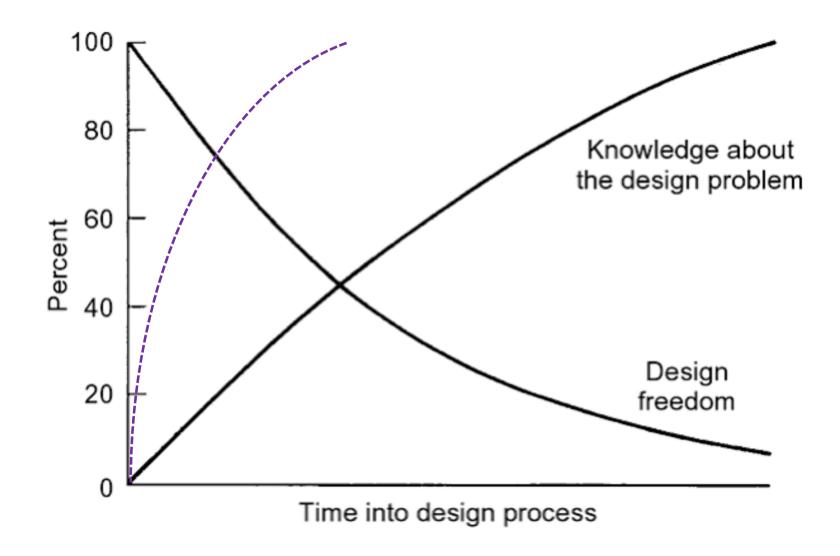
MEC-E3020

Why to put users in the center?

Leading edge technology and great ideas alone are not sufficient if the product does not meet users' needs.

Lack of sufficient understanding of the users causes costly changes after launch.





MEC-E3020

Needfinding tools and methods

Approaches and principles

User-inspired design
User-centered design
Emphatic design
Contextual design
User innovation
Participatory design
Crowdsourcing
Usability design / usability engineering
Design for all
Co-creation

Methods

Observation
Interviews
Surveys
Focus groups
Mock-ups
Scenarios
Role playing
Intuition
Design probes
Toolkits



••

A good product from user perspective

Useful; helps the user to reach their goals

Usable; easy to operate and performs as

intended also in practice

Desirable; conforms with user needs, desires

and emotions

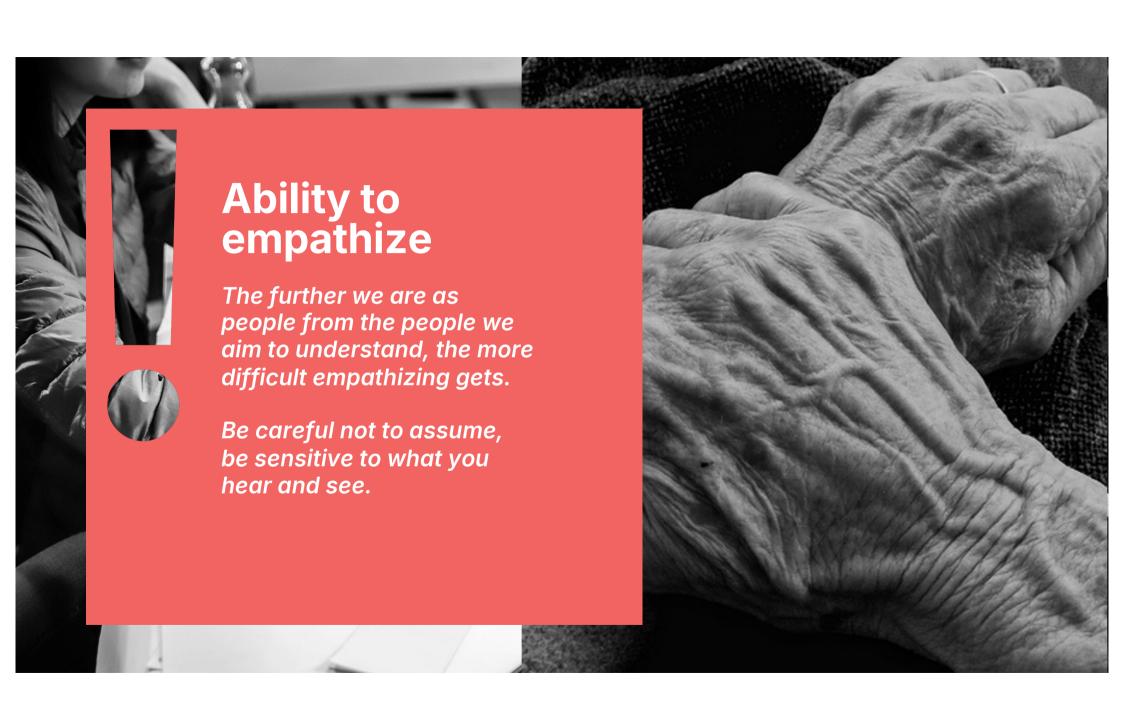
Pleasurable; using or owning it provides joy and

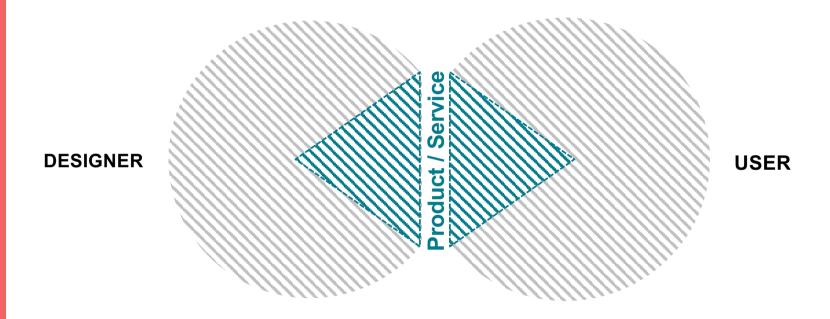
pleasure (or diminishes misery)

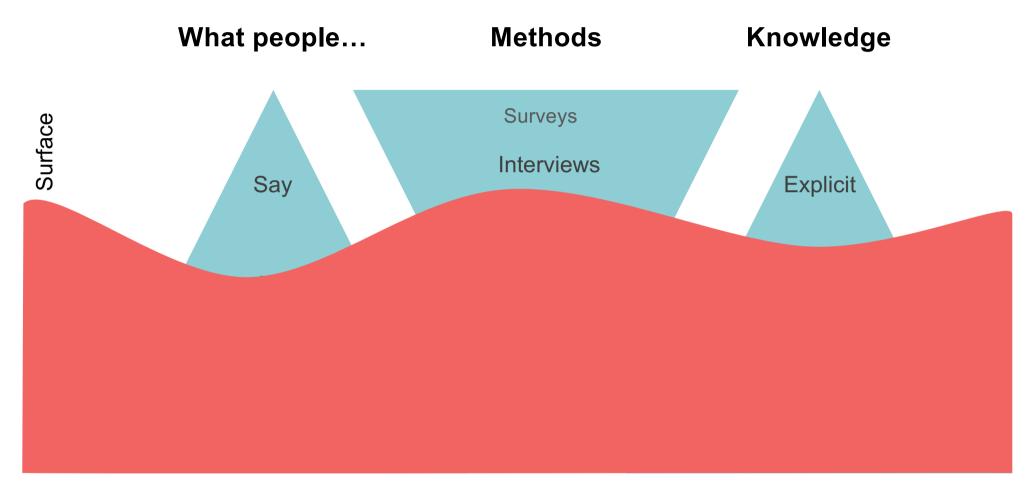
Consistent; especially for services, seamless

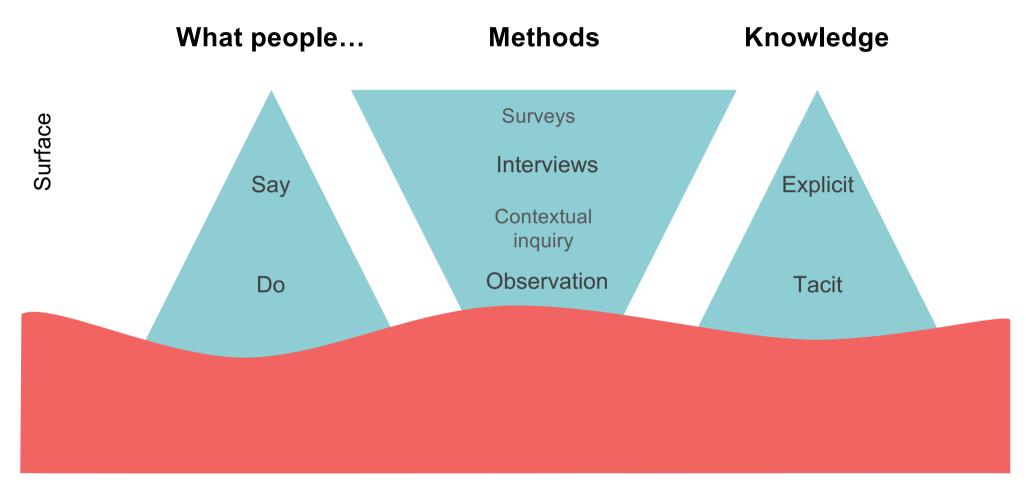
experience across all channels

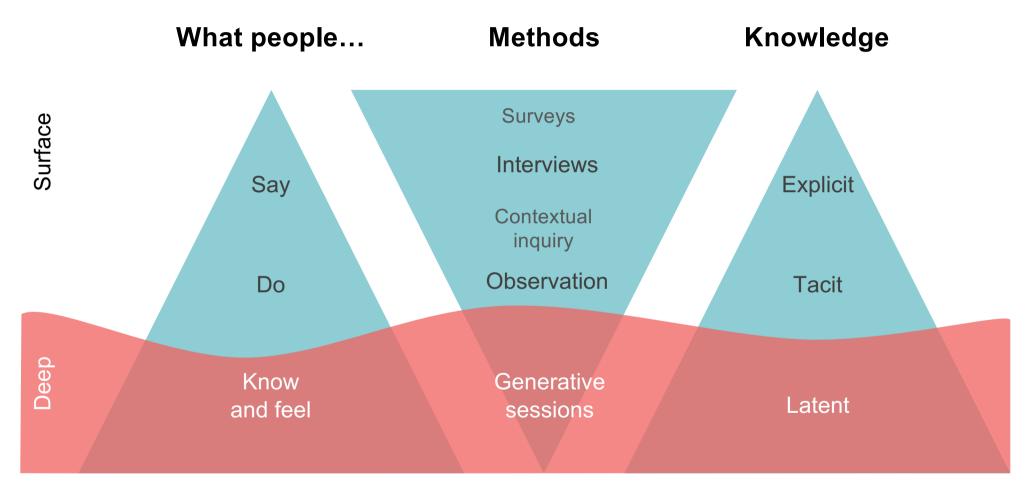












Methods to find out...

What?

Surveys
Questionnaires
A/B testing
Structured interviews
Metrics, tracking, analytics
Data mining
Usability studies
Polls

To capture:

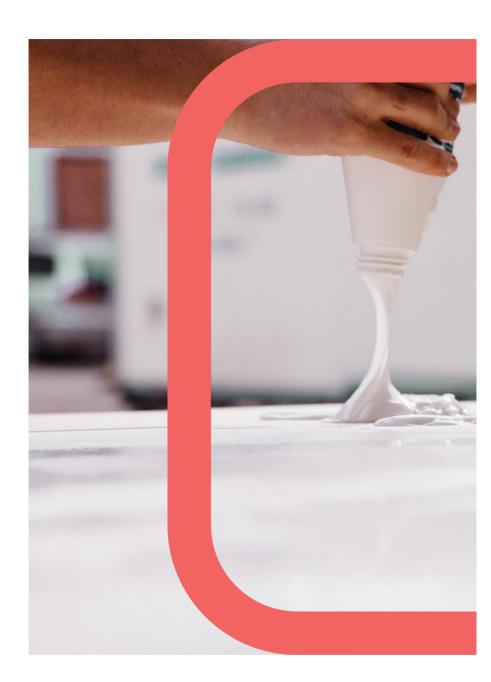
Patterns of behavior, numeric data on preferences and behavior, preferences, opinions on designs...

Why?

Open ended interviews
Focus groups
Observation, shadowing
Design probes, diaries, tech probes
Prototype trials
Participatory design, co-design

To capture:

Motivations, feelings, goals in life, emotions, attitudes, values, prejudices, behaviors, actions, practices, cultures, personality traits, identity ...



Interviewing

Structured – open

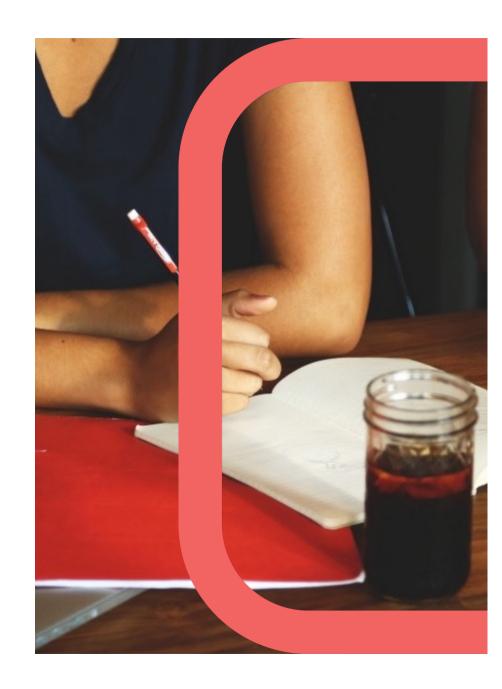
One-on-one

Focus groups

Contextual inquiry

Mood cards, card sorting...

Critical incidents



Planning interviews

Choose your approach according to your case.

What needs to be found out? What are you designing? Who is the user?

Make the interviews in context if possible and prepare a list of questions and themes.

Good questions do not guide the answers or contain the "right answer".

 The interviewers own opinions should not show through – try to stay objective.



Planning interviews

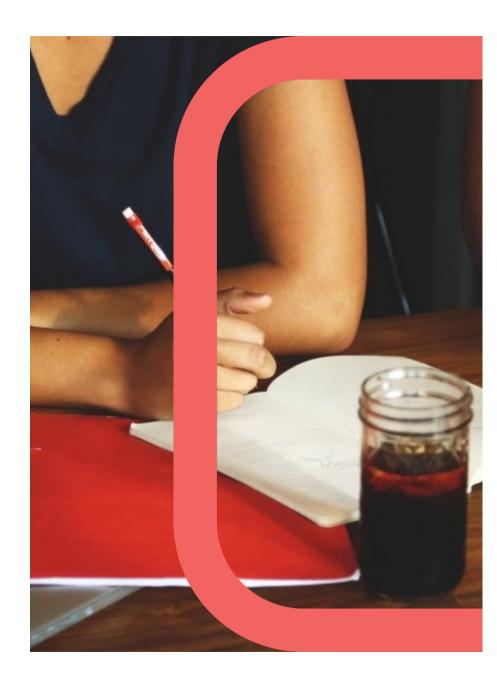
Pilot, test, and document the unique situation well

You can tease out JOBS-TO-BE-DONE type of knowledge by e.g.

- Giving a task
- Asking for a demonstration
- Walkthrough
- Concrete examples of situations

You can ask different things from experts and users

- Experts -> opinions, recommendations for other interviewees
- Users -> No straight forward questions



Observing

Passive observation

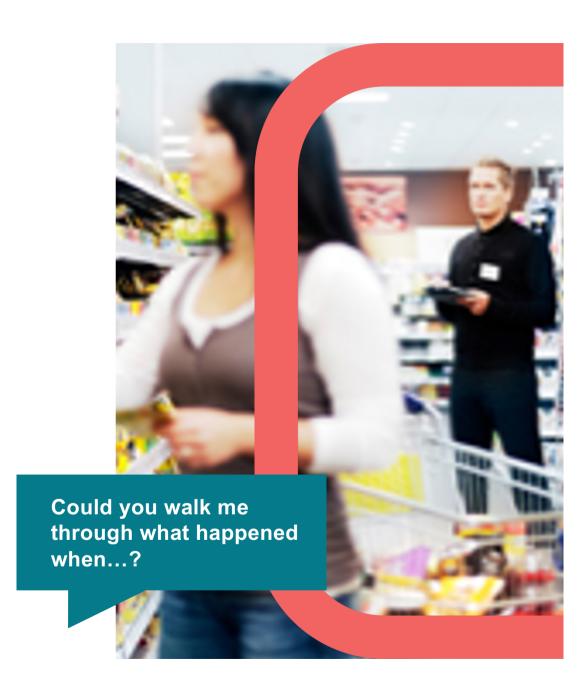
Shadowing

Stimulated recall

Observation in a laboratory setting

Participant observation

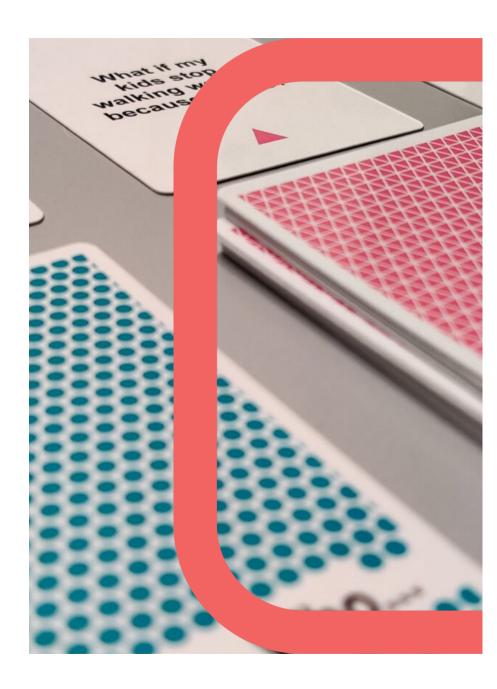
Contextual inquiry



Co-creating, probes...

- Probes are resource-efficient tools for user selfdocumentation.
- Games for gathering insights or co-creating solutions
- Empathizing through acting

Creating your own method?



For the next time!

Group assignment

Create a research plan and an interview guide. DL 5.11. 11.59 PM

Group submission through MyCo

Individual assignment:

Interview a stakeholder, write a summary and reflection. DL 12.11. 11:59 PM (Notice! A survey is not an interview!)

Submission through MyCo

