
Digital Sufficiency in Flexible Work

Presentation at LOCOS Seminar

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The study

Definitions & goal

- **Digital Sufficiency**¹
any strategy aimed at reducing the *demand* for digital devices or services
- **Case of flexible working**
a way of working that suits an employee's needs, for example having flexible start and finish times, or working from home

**How much and which cloud usage is
“sufficient” for flexible work?**



¹ T. Santarius et al., “Digital sufficiency: conceptual considerations for ICTs on a finite planet”, 2022



Research questions

Tasks = daily work activity performed on a computer or phone

- (RQ1) Which tasks are cloud-based?
- (RQ2) What types of cloud-based tasks are perceived as necessary, and under which circumstances?
- (RQ3) What is the perception of the benefits and challenges when superfluous activities are provided on demand (elastically)?

Qualitative research method

Data collection

- 3 focus groups
- 2 companies
- 11 participants



Focus group

List the tasks that you do
on your computer/phone
in your working day.

In a specific work setting



For each cloud-based daily task

Could you do without?

- If yes, how?
- If no, why?

Which of them are
cloud-based?



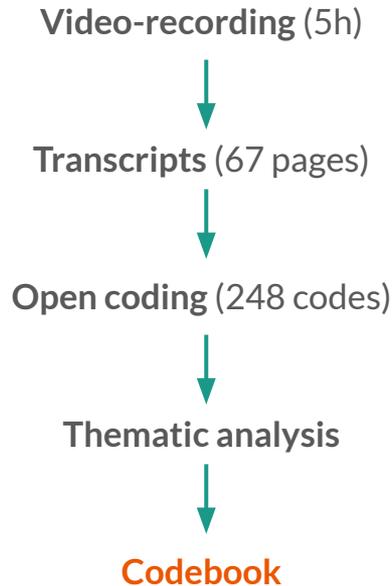
Imagine now:

“Superfluous” tasks can
be enabled/disabled

- do you see potential benefits?
- and any challenges?



Data analysis



Focus Group A

Mael Madon 58 days ago · Show only my coding

- #1 [What is flexible work for you? (9:54→17:24)]
- #2 Mod1: instead of, like, talking about just the phone and our personal use, focus on our work use and try to, like, think about the digital technologies that we use and, like, how it was 10 years ago, why... is that necessary? Superfluous? and stuff. So we will start with a round the table. So, I know that you answered the form already but I just want to know what is flexible work for you, how is your working week organized? ... So whenever someone wants to...
- #3 P2(Y): So I'm mostly working from home. I think, 80%, and one day here
 -  [work_setting / work_location/home](#)
 -  Coding by Mael Madon 58 days ago · Remove
- #4 P1(Rm): that's 4 out of 5 days, right?
- #5 P2(Y): yeah, that's flexible work for me because I can.. we do have a daily standup and a specific time so you need to be there. But other than that I can do whatever I want: if I want to work, I can work, if I want to do groceries I do that. So that's kind of flexible work for me as a definition.
 -  [choice_of_location / task_driven/task_locality](#)
 -  Coding by Mael Madon 17 days ago · Remove
 -  [work_setting / work_hours/flexible](#)
 -  Coding by Mael Madon 58 days ago · Remove
- #6 Mod1: any other locations? Home and office, right? P2(Y): yeah, that's it
- #7 Mod1: you want to note them down? Two words, left column, "work location" Mod2: yeah



Results



List of digital usages

Categories of cloud-based tasks:

1. interactive (needs constant access)
2. offline with regular synchronization
3. off-cloud

Suggestion towards sufficiency:

Moving from (1) to (2) or from (2) to (3)

Task	#
email	9
messaging	6
planning	5
online meeting	5
phone	4
reviewing	4
project management	4
data analysis	4
preparing presentation	3
giving presentation	3
gathering information (internal)	3
gathering information (external)	3
writing time	2
writing documents	2
watching video	1
taking notes	1
online training	1
online presence	1
creating visuals	1
brainstorming	1
attending digital event	1



Work setting

Reasons to choose a location:

- task driven
- opportunistic driven
- no choice

Suggestion towards sufficiency:

Planning ahead for quality work in the appropriate environment

Choice of tasks driven by location:

- location highly interchangeable
- tasks in the train:
 - individual tasks (email, reading up, ...)
 - no meeting

Suggestion towards sufficiency:

Working from constrained environments allows progressing on individual tasks while reducing digital usage to the essential



Zooming in: online meetings

Necessary	Superfluous
Save travel time To keep human contact Easier to arrange For team work Camera for facial expressions ...	Too many meetings Too long meetings Recurring meetings Duplication of channels ...

Suggestion towards sufficiency:

Understand the **nature** of the service rendered by the task = what should be focused on for sufficient use



Tactics towards sufficiency

- 48 tactics extracted from the focus group discussions
- Example:

Tactic	Goal	Classification
set mailbox quotas	countering data accumulation	system-oriented
block focus time in agenda	increasing focus	human-oriented
prepare before meeting	rationalizing meetings	human-oriented
give more freedom to employees to use their device	avoid overconsumption	context-oriented



Discussion

Dimensions of digital sufficiency

- Multi-dimensional
- Multi-stakeholder
 - producer/developer
 - seller/provider
 - private user
 - organizational user
 - policy regulator
 - civil society

