

info, entertainment, advertisement  
 ambient environments / environment  
 "youtube video", "welcome win"  
 fabrice context-aware - mobile  
 + decision making

Sensors → automatic control  
 data collection → microcontrollers (single chip)  
 Sichao Song  
 Smart house, analysis of "home standards"  
 - state-of-the-art Smart Metering  
 - acquire smart meter & sensors  
 - model + sensor + recommender  
 "Win & Win"  
 power/electricity pricing  
 ?/sec ?/min ?/hour

Endri Hysenaj  
 Sensors, detect events

railway (signal processing?) → correct  
 "signal in a signal" → on locom  
 → backend sys  
 60 kbps } event → sensor → S4 SPOT  
 110 kbps }  
 210 kbps }  
 SERHAT SAMTA  
 mobile phones  
 specific acc. sensors  
 sensors, data → mobile  
 context-aware  
 business decision

sensors, decisions, recommendations  
 - helping

Sms do Josef: 9083 8066

✓ Mobile Services UWIk 4710

(Semantic technologies)

(Signal processing)

→ kant Øvsthus? sensor  
(Sensor systems FYS → ISI?)

(UWIk 4700 Radio & Mobility Radio)  
4230 Mobile Communications

"long thesis" — intro — topic  
— "programming"  
— Specify context  
— "answer" & demonstrate

Expectation:

- understanding ✓
- evaluation of choices
- demonstration

Essay

- learning scientific writing

- use of citations / literature search

Wiki

<http://wiki.unik.no/index.php/Thesis>

↳ Specific topic

Opera | Unik.no | Shepherd Dashboard | YouTube Interactive TV - ITEA-W... | Shepherd Login | Unik Wiki - Thesis - Ho... | Search with Google

wiki.unik.no/index.php/Thesis/WriteMasterThesis

UNIK

# How to write a master thesis

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Ongoing thesis  
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Open Thesis

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Radio & Mobility (4700)  
Mobile Services (4710)  
Sensor Networks (47x)  
PhD Mobile Services (9110)  
All UNIK courses  
Master Reporting

**ICT research**  
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**Projects**  
Ongoing Projects  
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History:  
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WriteMasterThesis

Welcome  
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UNIK

This page provides some guidelines on how to write a master thesis. It provides a suggestion for the TOC, and adds some practical writing tips

**Suggested TOC**

Title page, abstract, ...

1. Introduction, containing: short intro into the area, what is happening
  - 1.1 Motivation, containing: what triggered me to write about what I'm writing about
  - 1.2 Methods, containing: which methods are you using, how do you apply them
2. Scenario, optional chapter for explaining some use cases
  - 2.1 ~~user scenario~~ (bad name, needs something better)
  - 2.2 Requirements/Technological challenges
3. State-of-the art/Analysis of technology, structure your content after hardware/SW (or other domains). Describe which technologies might be used to answer the challenges, and how they can answer the challenges
  - 3.1 technology A
  - 3.2 technology B
4. Implementation
  - 4.1 Architecture, functionality
  - 4.2
5. Evaluation  
Conclusions  
References  
...

related links  
Evaluation criteria

**Comments**

**Red line**

Your thesis should have a "red line", which is visible throughout the whole thesis. This means you should mention in the beginning of each chapter how the chapter contributes to the "goals of the thesis".

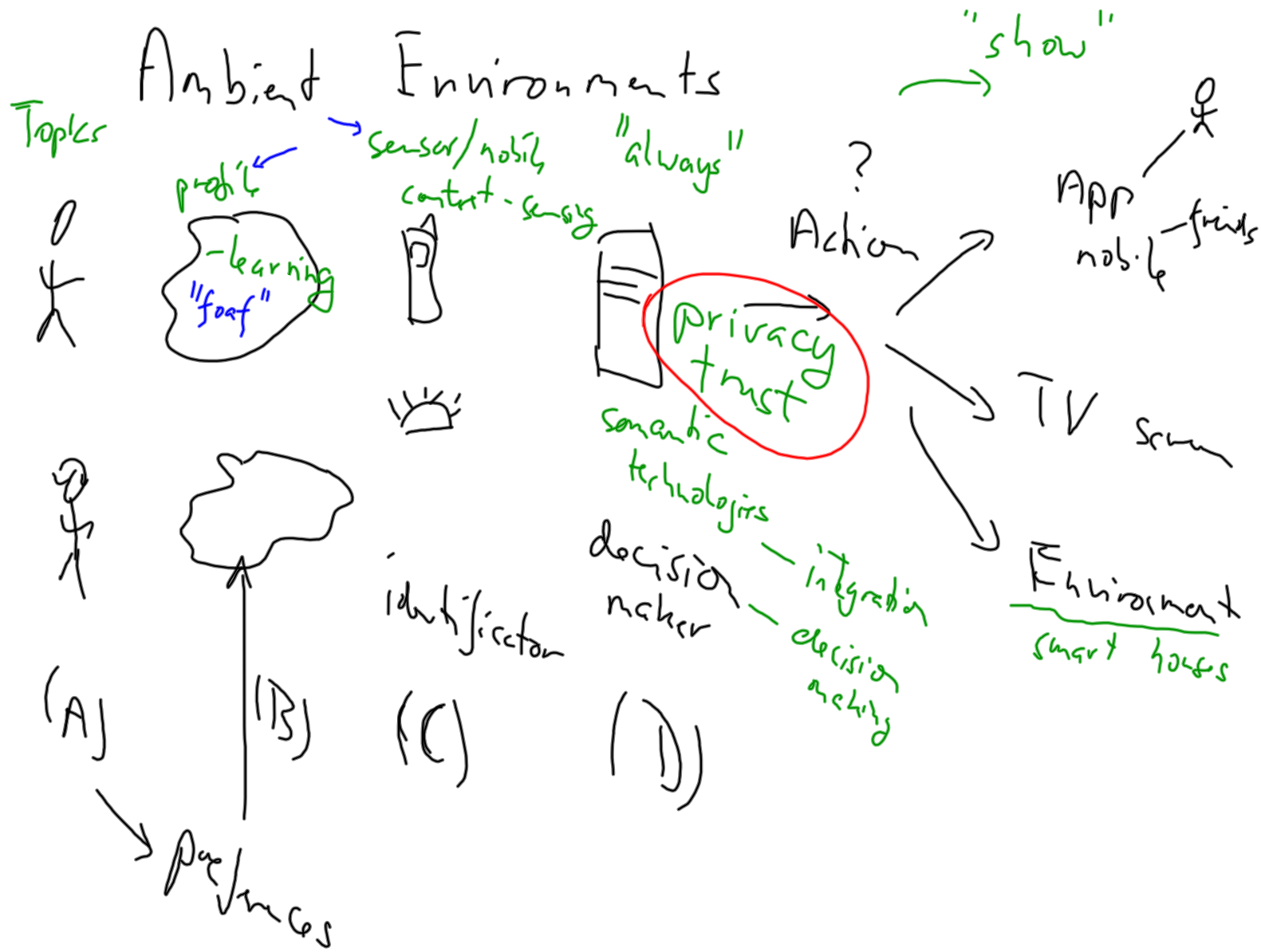
**Use of scientific methods**

A thesis follows a standard method:

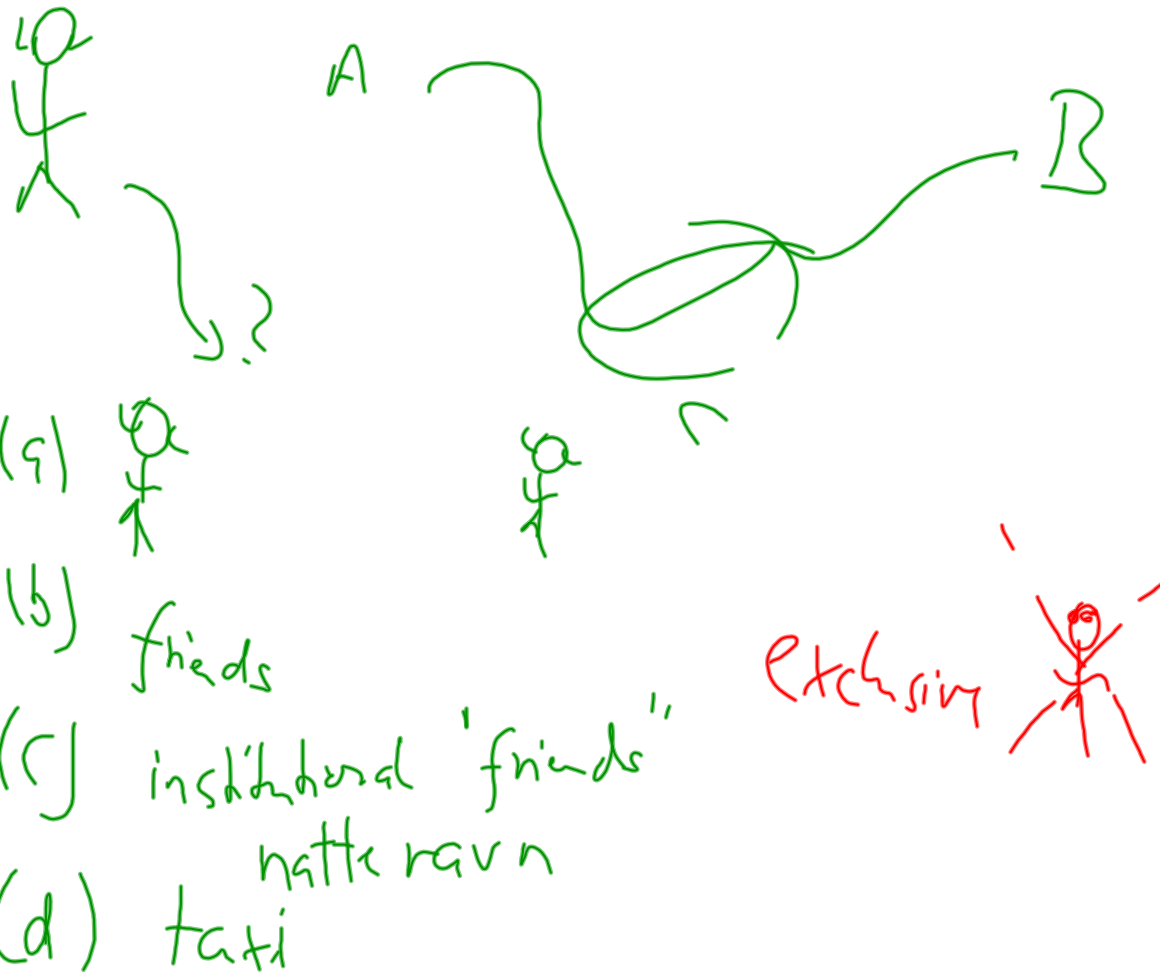
- describe the problem (*problemstilling*)
- extract the challenges. These challenges should be measurable, e.g. method is too slow to be useful to voice handover.
- Analyse technology with respect to challenges. Don't write & repeat "everything" from a certain technology, concentrate on those parts (e.g. protocols) which are of importance for your problem

References

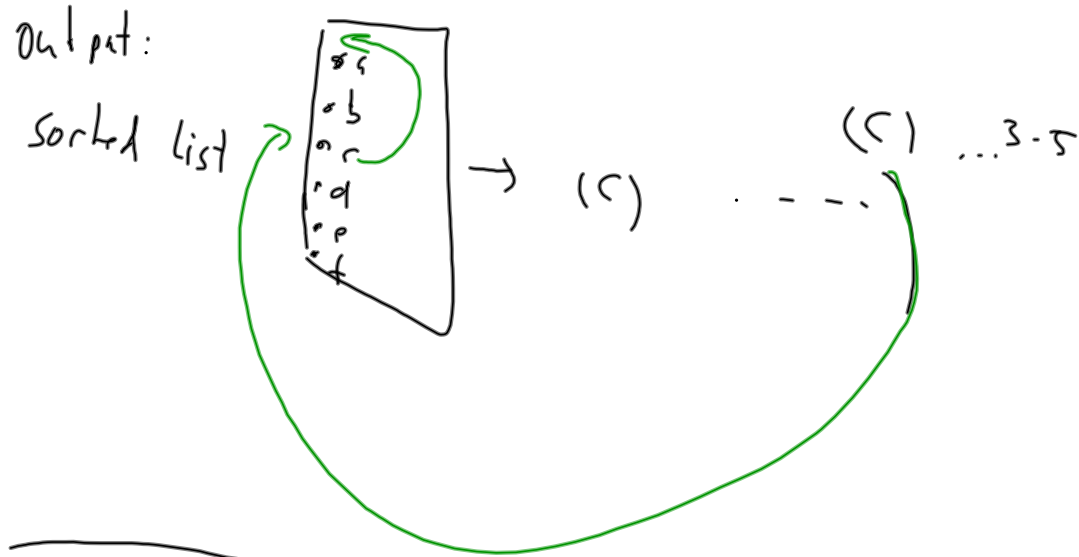
*ESSAY*



# Trust - network follow-on



Learning comes from feedback



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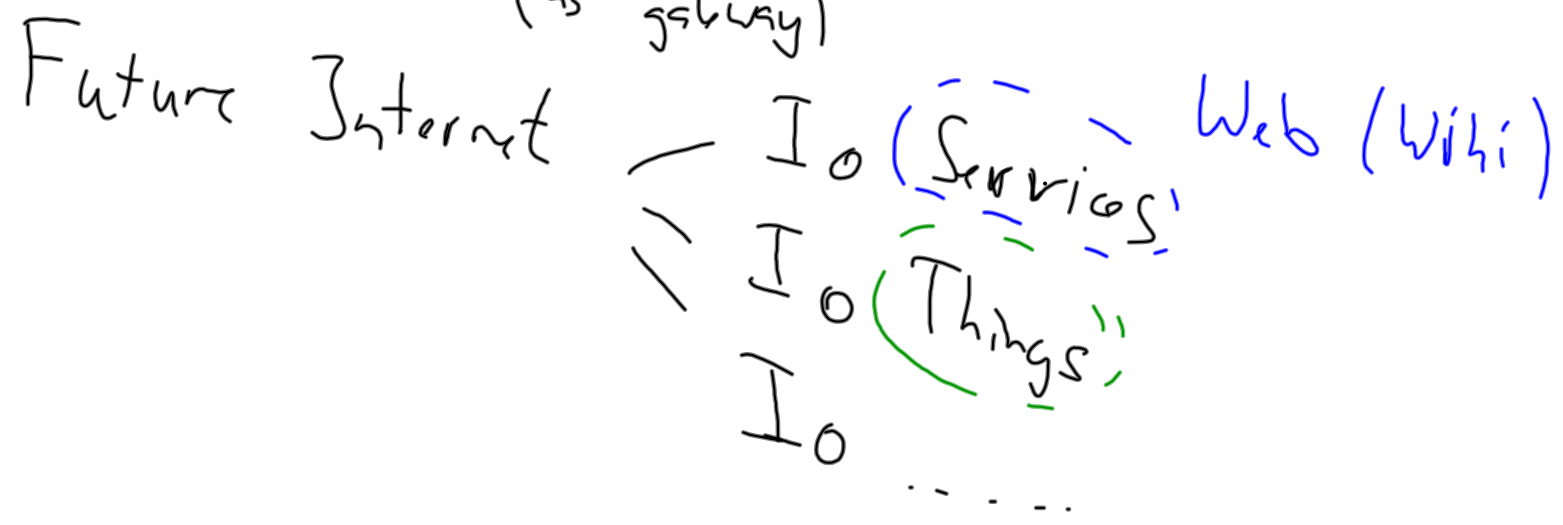
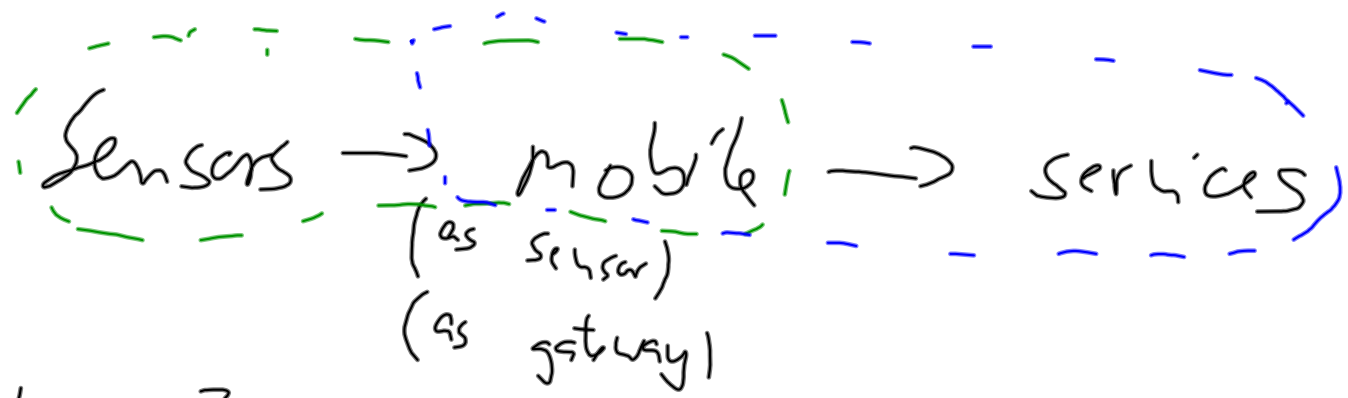
personalized learning (Maurice U.A)  
user-centric learning

"how to judge input" others than multiple choice  
(Mac/Apple Nuance)

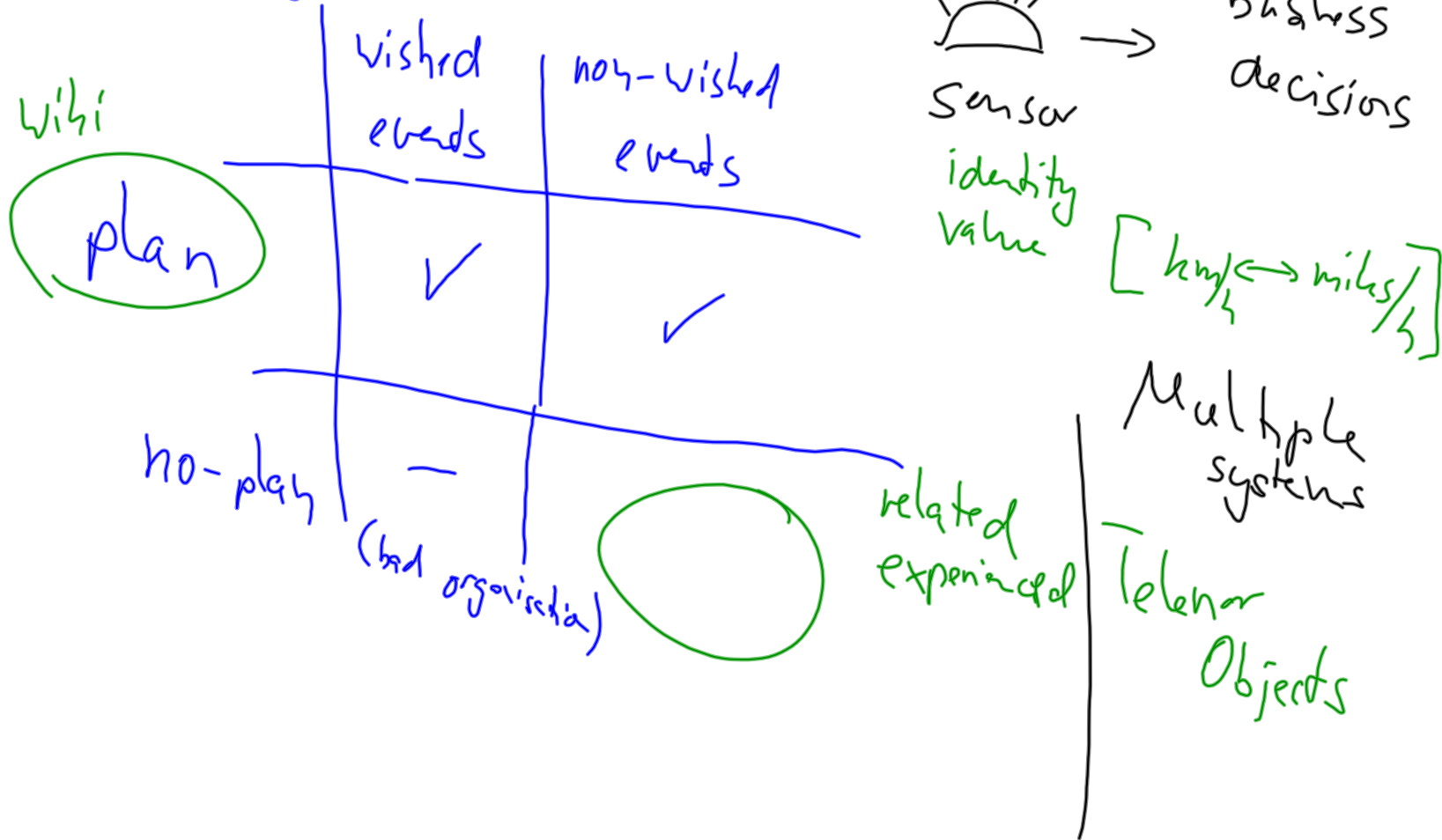
Security & trust & Privacy

A blue curved arrow originates from the word 'Privacy' and points towards the word 'trust', indicating a relationship or flow between these two concepts.



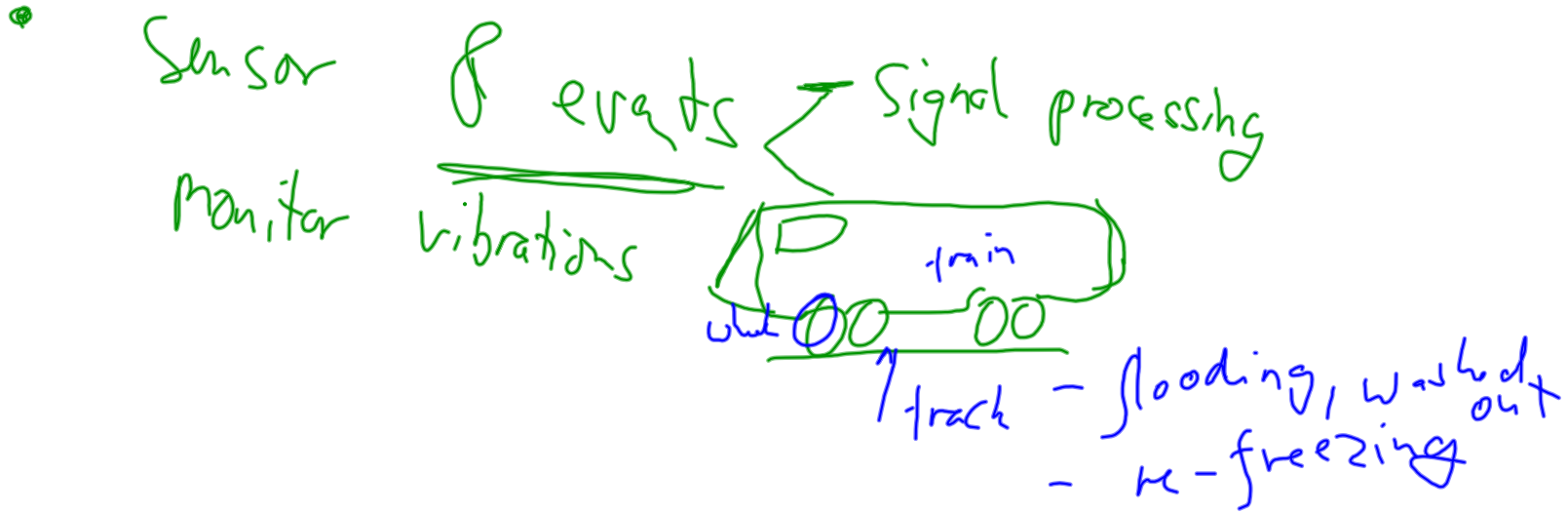


# Norwegian Rail authorities

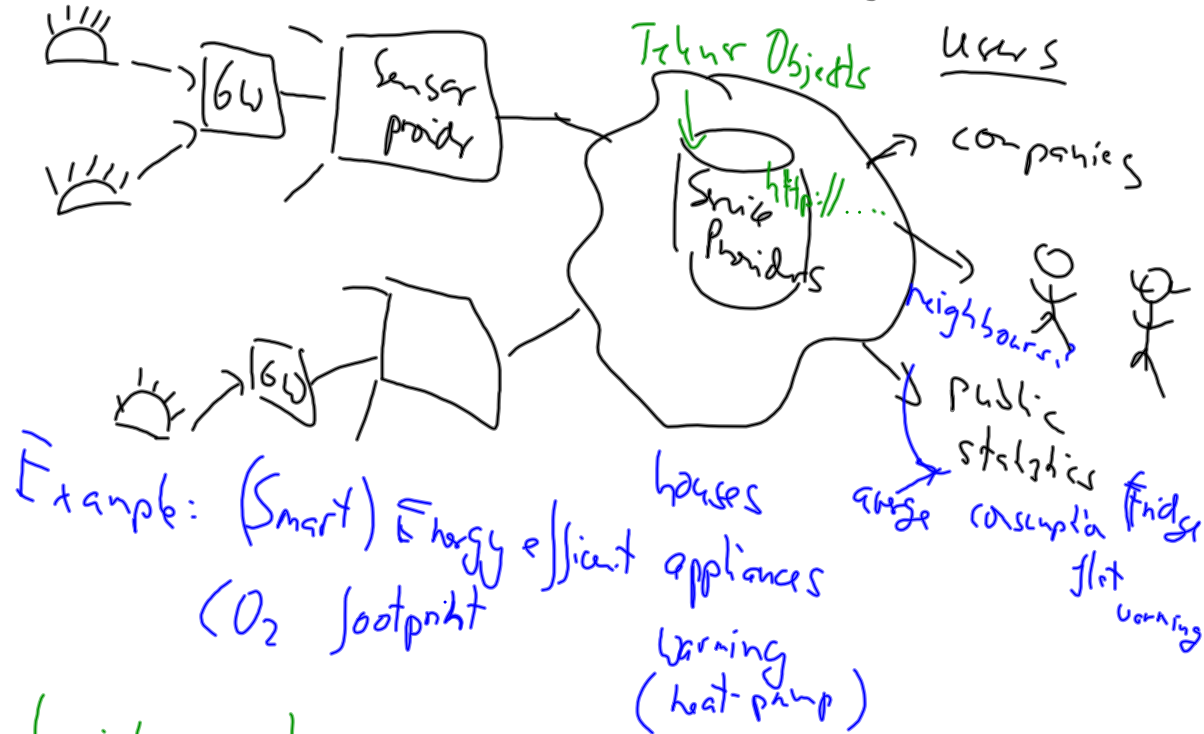


• Sensor integration Vigi → Business decisions

• Sensor → mobile (limited functionality)



# heterogeneous Systems for IoT



Example: (Smart) Energy efficient appliances  
(O<sub>2</sub> footprint)

Logistics: temperature = fish

Telecom: Shepherd ← melt → analysis  
own