

NEPPI Week IV

15.11.2023

Project
Salu Ylirisku

Agenda

Recapping the project outcomes

NEXPO Team – Any News to the Project Teams?

Practicalities for the project work

Project Outcomes

- NEXPO23
- Concept Presentation @ NEXPO23
- IoT Product Concept Document

NEXPO22

- Product Concept / clarity/perceived value/attractiveness
 - IoT Service / illustration of system architecture
 - Physical Product / illustration/physical mock-up
 - Product UX / demo/video
 - Stand Experience / presentation/attractiveness/feel
-
- Evaluated collaboratively with NEXPO visitors + You & Me

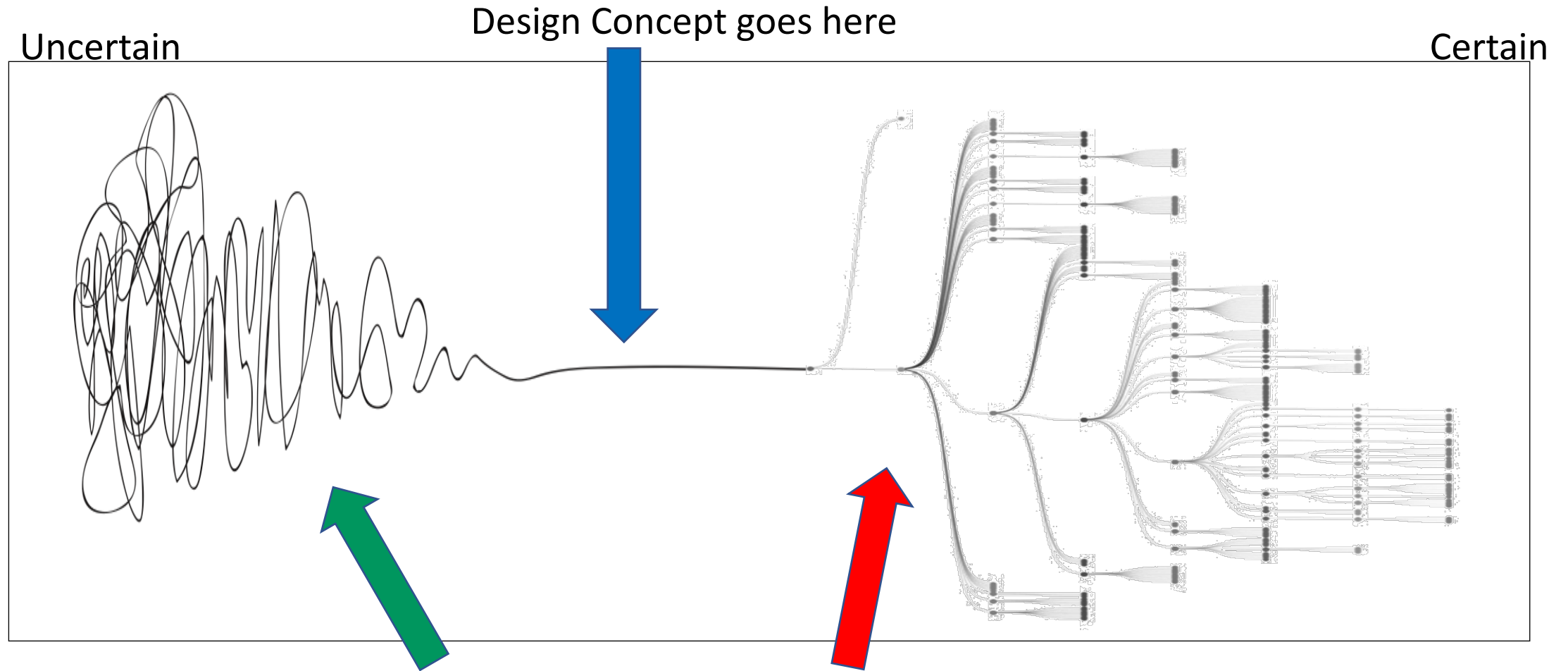
IoT Product Concept Document

- Concept description
- Key design requirements /w concrete suggestions
- Key types of partners /w concrete suggestions
- Key sources of revenue /w concrete suggestions
- Estimated main costs
 - monthly running costs
 - production costs (per thing)

Weekly focus

- Weekly focus
 - W1: IoT Machine – Challenge 1
 - W2: IoT Machine – Challenge 2
 - W3: Three initial design concepts (idea framing)
 - W4: Requirements for the prototype(s) + building
 - W5: Prototype building and testing
 - W6: Finalising IoT Concept & NEXPO
 - W7: Final deliverable (Concept document) & exam

Design Concept and the Process



Prototyping

**[You can make
more than 1
prototype]**

Define what is critical to learn: Possible learning goals with protos

1. Are you creating the right product, i.e., do users find your product desirable
2. Have you outlined relevant key functionalities
3. Do you have an appropriate idea of the size, shape, and behaviour
4. Do users understand how your design works (usability stuff)
5. Are the desired functionality and interactions actually possible
6. Do people appreciate how the product appears
7. How small device or how low power consumption is actually possible

Define requirements for your technical proto with the TAs

- For example:
 - Device:
 - R1: It needs to measure temperature
 - R2: It needs to send temperature wirelessly to cloud
 - App:
 - R3: It needs to fetch temperature data from the cloud
 - R4: It needs to display temperature on computer screen

Possible purposes for the technical proto in NEPPI

- Have a Wow! effect in the NEXPO
- Get more hands-on feeling with technical prototyping
- Train on your technical skills

- Building a technical prototyping by yourself is not a requirement for a good grade in NEPPI

Reserving time from TAs

- Use the coordination Excel
- You can find it on the top-right corner of the NEPPI wiki page
 - <https://wiki.aalto.fi/display/neppi>

Friday – Continue project work

TAs are available at DeFa / Workshops



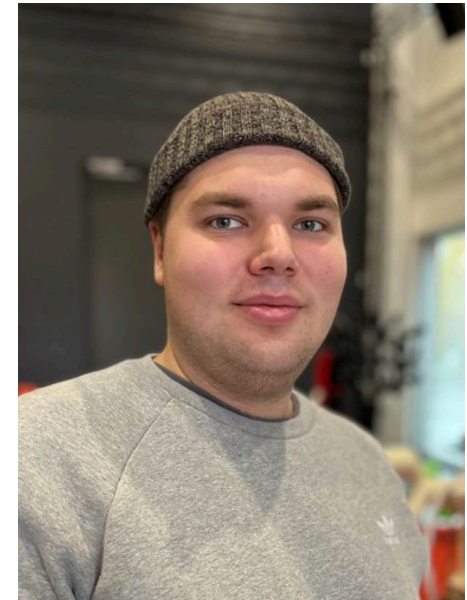
Harvey



Emil



Pekka



Aleksii