Project no. 732027

VIRT-EU

Values and ethics in Innovation for Responsible Technology in EUrope

Horizon 2020

ICT-35-2016
Enabling responsible ICT-related research and innovation
Start date: 1 January 2017 – Duration: 36 months

D2.1
Blog posts and multi-media material summarizing preliminary empirical and policy findings

Due date: 30 September 2017

Actual submission date: 29 September 2017

Number of pages: 8

Project Consortium

Beneficiary no.	Beneficiary name	Short name
1 (Coordinator)	IT University of Copenhagen	ITU
2	London School of Economics	LSE
3	Uppsala Universitet	UU
4	Politecnico Di Torino	POLITO
5	Copenhagen Institute of Interaction Design	CIID
6	Open Rights Group	ORG

Dissemination Level

PU	Public	**X**
CO	Confidential, only for members of the consortium (including the Commission Services)	
EU-RES	Classified Information: RESTREINT UE (Commission Decision 2005/444/EC)	
EU-CON	Classified Information: CONFIDENTIEL UE (Commission Decision 2005/444/EC)	
EU-SEC	Classified Information: SECRET UE (Commission Decision 2005/444/EC)	

Dissemination Type

R	Document, report	
DEM	Demonstrator, pilot, prototype	
DEC	Websites, patent filling, videos, etc.	**X**
O	Other	
ETHICS	Ethics requirement	

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Executive summary

Deliverable 2.1 “Blog posts and multi-media material summarizing preliminary empirical and policy findings for developer communities under study and other interested stakeholders, disseminated through a variety of social media channels” sits in the Research WP 2 “Domain Analysis” and in particular inside Task 2.6 aiming at a synthesis of findings and a formulation of domain requirements. The Research Team at CIID built on the first findings and choices made by the partnership after the first phase of qualitative, quantitative and legal analysis to sketch tools for internal and external communication and co-design.
The results presented in this report will be used for dissemination to the IoT developers communities and to the wide public via blogs and other types of social media channels, as well as first low-fidelity, paper-based prototypes to facilitate the partnership dialogue and the first co-design workshops with IoT developers (WP3).

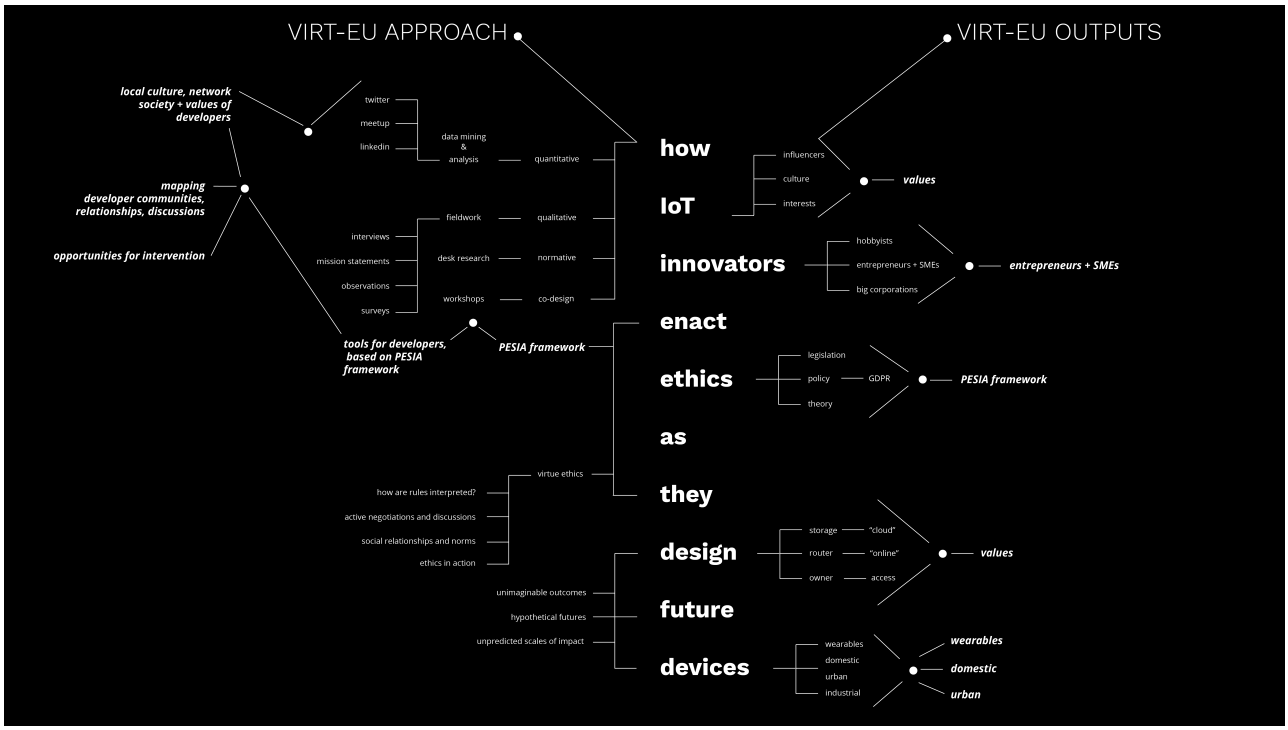
Multimedia Visualization Tools

In line with the description in the proposal, the tools developed within D2.1 represent a first framework:
- to communicate to the wide public the logic and the progress of the project. This format will be further explored to show different angles of the project and it will be enriched in line with the project progress
- to facilitate the dialogue of the partnership
- to structure/understand the future co-design workshops with IoT developers

In order to achieve these goals CIID sketched 3 different kind of information/data visualisations:
- Into Diagram. An overview of the project starting from the Research Question;
- Values Diagram. An in depth look into values and how they change according to different IoT communities;
- Scenario Tool. A framework to describe IoT devices flow.

Into Diagram

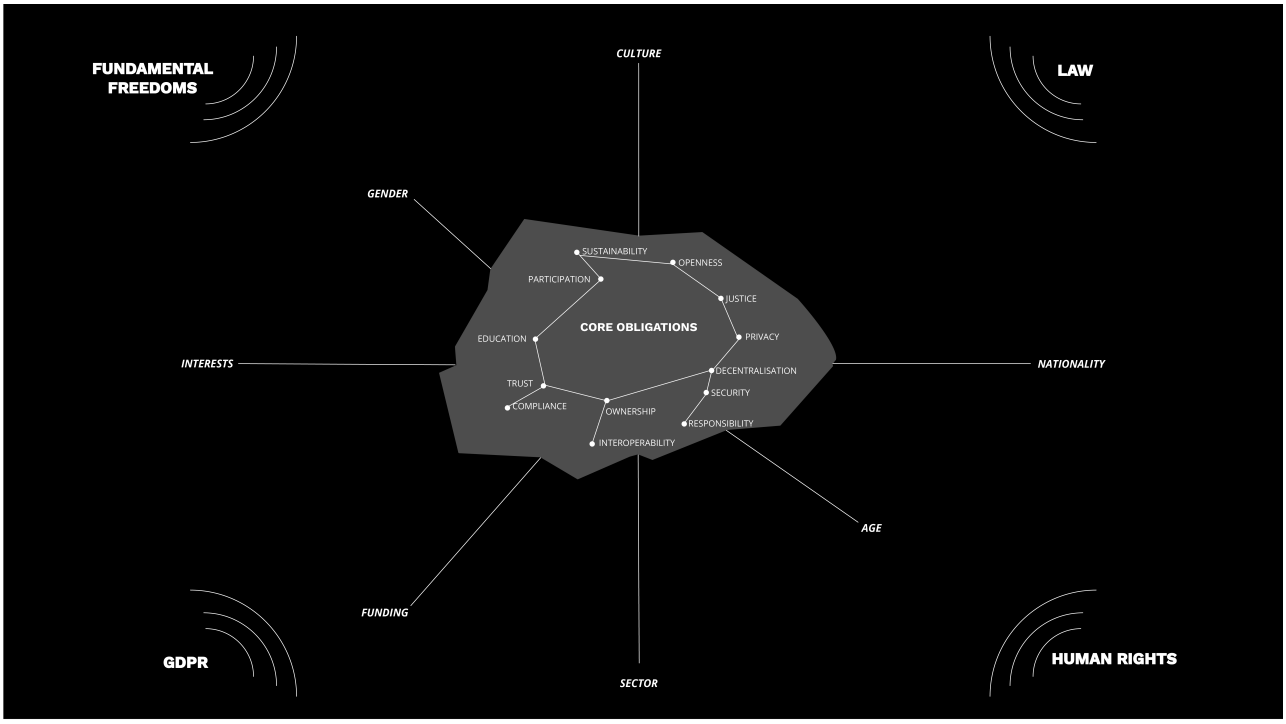
This visualization, intended to be shared as an animated slide-show supported by a voice-over, aims to narrate how the partnership is exploring the project research questions.
The first Research Question selected is "How do European IoT innovators and developers make ethically consequential decisions about code, hardware and data for new connective devices?"
On the left, details about the methodological approach are provided. On the right, the content of exploration is exploded and choices made as the project progressed are highlighted with a bold font.



Picture 1 – final slide of the Intro Diagram by CIID

Values Diagram

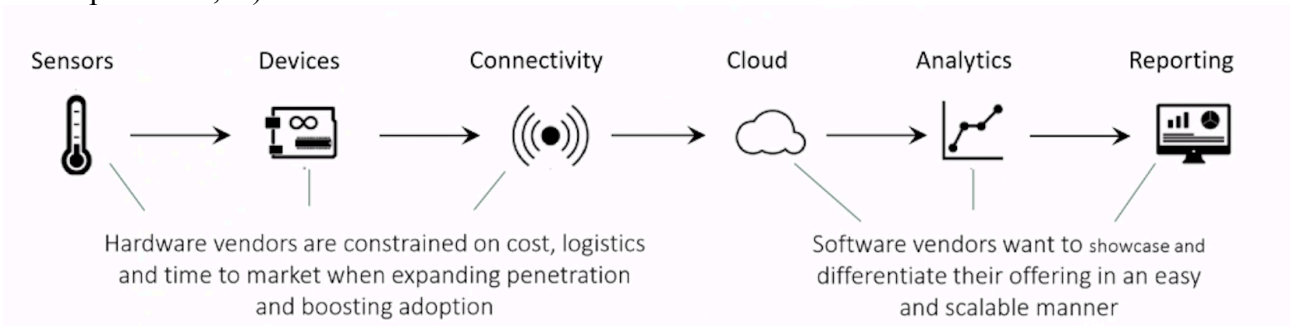
This tool aims at summarizing the findings from the qualitative analysis carried out so far providing an in depth look into values and how they change according to different IoT communities.



Picture 2 – Values Diagram by CIID

Scenario Tool

This last tool is conceived as a framework to describe IoT devices flow (data capturing, UI, gateways, Cloud platforms, ...).

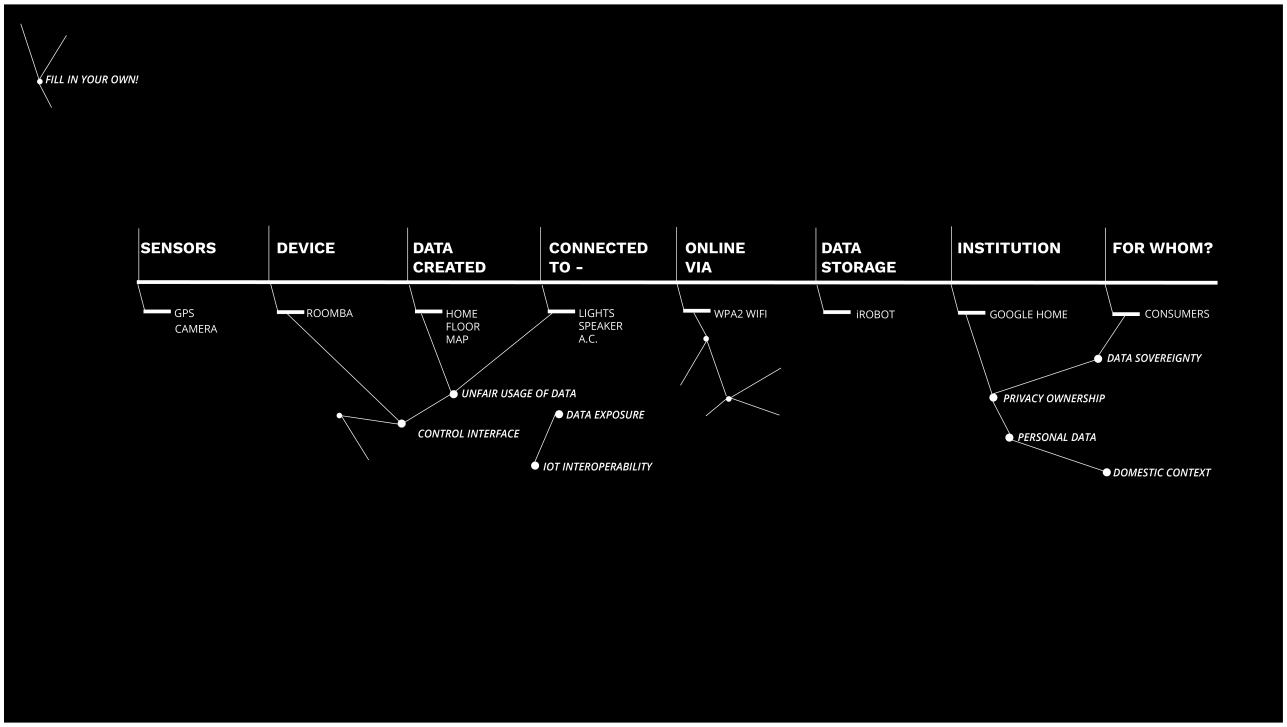


Picture 3 – IoT devices flow by Sebastian Laiseca

Different case studies can be fed into the analysis framework and observed through the lens of 'values' to enable a visualisation and awareness raising about gaps, risks, behaviours and issues emerging.

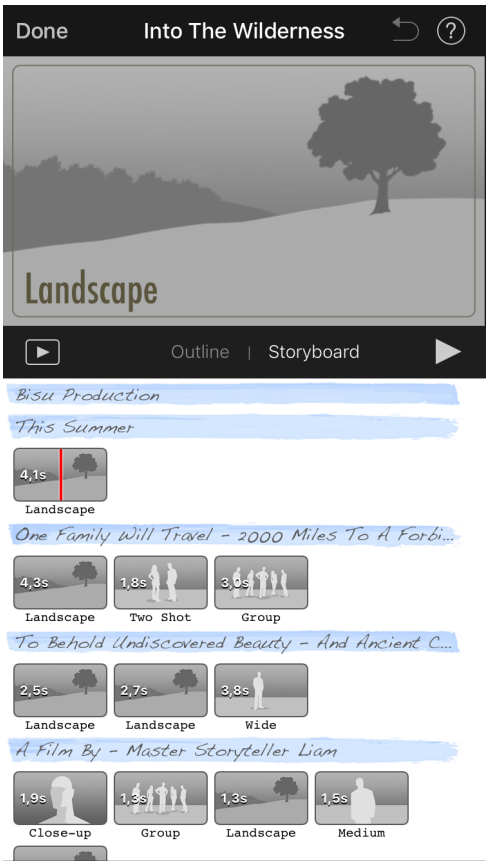
This framework is conceived to organize information and facilitate the understating and the dialogue around ethical issues emerging from physical/digital infrastructure constrains and features.

During project meetings and co-design workshops it can be used as an analogic tool enabling group brainstorming and reflection.



Picture 4 – Scenario Tool by CIID

Eventually the framework can be translated into a digital tool to share and collect IoT stories in a standard, comparable storyboard format. For instance each step of the process can be documented with a 30 sec video and relevant information can be highlighted in an user-friendly interface like an iMovie one.



Picture 5 – iMovie template

Conclusion

The 3 first results developed by CIID will be shared and validated by the partnership and used as communication tools via web-site, blog and socials.
They will be revised and adapted to be used during the next project meeting, 27th of October 2017, and the first co-design workshop scheduled for November 2017 in Copenhagen.