Public Stack reflection cards

The Public Stack Reflection Cards prompt reflection about your technology, its development, and the values it promotes. They are best used together with a team in a live setting.

Print your own copy at publicstack.net/cards

What is the public stack?

The public stack is a way to uncover how the hidden layers behind technology relate to public values. You can take a public stack approach by:

- → identifying the public values in your project's foundation
- → facilitating an open and participatory design process
- → developing open source, fair, inclusive, and privacyby-design technology
- → positively impacting people & the planet

How and when to use this?

Play, use, share or repurpose the cards however you see fit – whether at the beginning or during a development process that is already underway. In our experience it works best to discuss cards out loud as a team, with at least one other person present. Try documenting your answers as you go with sticky notes or a large canvas.

If this is your first experience with the public stack, we recommend starting out with the **foundation** cards.

Learn more at <u>publicstack.net</u>

Who made this?

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across-h2020.eu





Waag Futurelab contributes to the research, design and development of a sustainable, just society.

waag.org



public values

- → List the public values at the core of the project.
- → How are public values embedded in the project?

stakeholders

- → Who does this project belong to and who are the other stakeholders?
- → Who is affected by this project, but not directly involved?

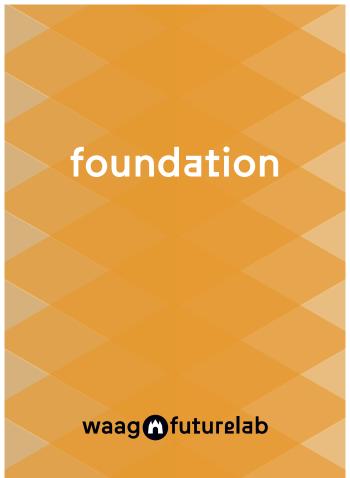
starting points & assumptions

- → What problem does the project intend to solve?
- → When will the problem be solved? Who defines success?

governance & oversight I

- → What current mechanisms of governance are in place?
- → What resources and processes need to be governed in the project?









governance & oversight II

- → How can society monitor the project?
- → How is external (governmental or other) assessment ensured?

socio-economic considerations

- → How is the project financed? How does this impact the project?
- → Who might (economically, politically, socially) benefit from the project? At whose expense?
- → How is the technology maintained after its release?

open & participatory methods I

- → What methods are used in the project's development?
- → Is the design process participatory? Who facilitates co-creation? Who is included?
- → Which public values does the design process put into action? How?

open & participatory methods II

- → What mandate does the general public have to govern the design process?
- → How is transparency assured in the process?
- → Does the design process allow the project to change course based on feedback from the public?









users' journeys

- → Whose lived experiences are represented in the user journeys? Who is excluded or not represented in user journeys?
- → Who can and cannot use the technology?
- → Is the technology used in isolation, or as part of a group/community/ network?

layers of technology I

- → What is the application, and is it in line with public values?
- → What is the operating system, and is it in line with public values?
- → What are the firmware and drivers, and are they in line with public values?

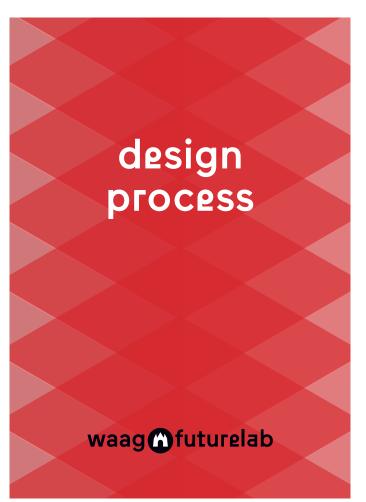
layers of technology II

- → What is the equipment, and is it in line with public values?
- → What is the infrastructure, and is it in line with public values?
- → Does the technology / product / service stand on its own or is it part of a larger ecosystem?

data I

- → What data passes through the technology? With whom is it shared, why, and under what conditions?
- → What data is stored? Where, why, and under what conditions?
- → When is data deleted? Do people have a right to be forgotten? How is this facilitated?









data II

- → Could the project potentially pose any threat to privacy or personal data control?
- → How is data sharing consent obtained and managed?
- → How does the project actively protect users' data?

data III

- → How do you encourage related, linked, and interdependent technologies to follow better (more secure, private, minimised) personal data practices?
- → Briefly sketch your data flow. How is this data flow in line with public values? Where could it be improved, and how?

people I

- → How are 'end-users' positioned (e.g. as consumers, citizens, subjects)?
- → Are citizens enabled to advocate for their rights and interests in relation to this technology?

people II

- → How does the final product or service impact society?
- → How does the project merit public trust? How might it erode public trust?









planet

- → What is the project's environmental footprint? What resources does it consume and require? What resources does it protect?
- → Is the project in line with the Sustainable Development Goals? Is it in line with local sustainability targets?

reflecting on the whole I

- → Where are the design process and technical layer in line with public values?
- → Where does the design process struggle (perhaps due to time, budget, context, or technical feasibility) to fully adhere to public values?

reflecting on the whole II

→ What are external impacts of the project (e.g. on the environment, nonusers)?

design dilemmas l

→ Where would you map the project on this continuum, and why?

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open	closed









design dilemmas II

- → Where would you map the project on this continuum, and why?
 → Where would you map the project on this continuum, and why?
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design

dilemmas III

anonymous users identifiable users

user control automatic processes

design dilemmas IV

→ Where would you map the project on this continuum, and why?

decentralised centralised





