

# Tracy Side-by-Side comparision view

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Context of use: Education  
Level of education: Bachelor

# Technology Impact Cycle Tool

Tracy Side-by-Side comparison view

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## Impact on society

What impact is expected from your technology?

*This category is not applicable for this technology.*

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## Hateful and criminal actors

What can bad actors do with your technology?

*This category is only partial filled.*

**In which way can the technology be used to break the law or avoid the consequences of breaking the law?**

N/A

**Can fakers, thieves or scammers abuse the technology?**

*This question has not been answered yet.*

**Can the technology be used against certain (ethnic) groups or (social) classes?**

*This question has not been answered yet.*

**In which way can bad actors use this technology to pit certain groups against each other? These groups can be, but are not constrained to, ethnic, social, political or religious groups.**

*This question has not been answered yet.*

**How could bad actors use this technology to subvert or attack the truth?**

*This question has not been answered yet.*

**Now that you have thought hard about how bad actors can impact this technology, what improvements would you like to make? List them below.**

*This question has not been answered yet.*

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## Privacy

Are you considering the privacy & personal data of the users of your technology?

*This category is only partial filled.*

**Does the technology register personal data? If yes, what personal data?**

N/A

**Do you think the technology invades the privacy of the stakeholders? If yes, in what way?**

*This question has not been answered yet.*

**Is the technology is compliant with prevailing privacy and data protection law? Can you indicate why?**

*This question has not been answered yet.*

**Does the technology mitigate privacy and data protection risks/concerns (privacy by design)? Please indicate how.**

*This question has not been answered yet.*

**In which way can you imagine a future impact of the collection of personal data?**

*This question has not been answered yet.*

**Now that you have thought hard about privacy and data protection, what improvements would you like to make? List them below.**

*This question has not been answered yet.*

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## Human values

How does the technology affect your human values?

*This category is only partial filled.*

**How is the identity of the (intended) users affected by the technology?**

N/A

**How does the technology influence the users' autonomy?**

*This question has not been answered yet.*

**What is the effect of the technology on the health and/or well-being of users?**

*This question has not been answered yet.*

**Now that you have thought hard about the impact of your technology on human values, what improvements would you like to make to the technology? List them below.**

*This question has not been answered yet.*

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## Stakeholders

Have you considered all stakeholders?

*This category has not been filled yet.*

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## Data

Is data in your technology properly used?

*This category is only partial filled.*

**Are you familiar with the fundamental shortcomings and pitfalls of data and do you take this sufficiently into account in the technology?**

Tracy does not collect data.

**How does the technology organize continuous improvement when it comes to the use of data?**

*This question has not been answered yet.*

**How will the technology keep the insights that it identifies with data sustainable over time?**

*This question has not been answered yet.*

**In what way do you consider the fact that data is collected from the users?**

*This question has not been answered yet.*

**Now that you have thought hard about the impact of data on this technology, what improvements would you like to make? List them below.**

*This question has not been answered yet.*

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## Inclusivity

Is your technology fair for everyone?

*This category is only partial filled.*

**Will everyone have access to the technology?**

*This question has not been answered yet.*

**Does this technology have a built-in bias?**

No

**Does this technology make automatic decisions and how do you account for them?**

*This question has not been answered yet.*

**Is everyone benefitting from the technology or only a a small group?**

**Do you see this as a problem? Why/why not?**

*This question has not been answered yet.*

**Does the team that creates the technology represent the diversity of our society?**

*This question has not been answered yet.*

**Now that you have thought hard about the inclusivity of the technology, what improvements would you like to make? List them below.**

*This question has not been answered yet.*

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## Transparency

Are you transparent about how your technology works?

**Is it explained to the users/stakeholders how the technology works and how the business model works?**

Yes, Tracy is an opensource tool created by TNO. This also means that the tool is non-profit.

**If the technology makes an (algorithmic) decision, is it explained to the users/stakeholders how the decision was reached?**

N/A

**Is it possible to file a complaint or ask questions/get answers about this technology?**

Yea, the opensource code is posted on GitHub, it has an issues section where questions can be asked, or issues can be reported.

**Is the technology (company) clear about possible negative consequences or shortcomings of the technology?**

Yea, TNO is aware that Tracy is still in a prototype phase and that there can be bugs / issues.

**Now that you have thought hard about the transparency of this technology, what improvements would you like to make? List them below.**

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## Sustainability

Is your technology environmentally sustainable?

*This category is only partial filled.*

### **In what way is the direct and indirect energy use of this technology taken into account?**

Tracy is a client-side application. No servers are needed. Energy usage depends on the machine the tool is used on.

### **Do you think alternative materials could have been considered in the technology?**

*This question has not been answered yet.*

### **Do you think the lifespan of the technology is realistic?**

*This question has not been answered yet.*

### **What is the hidden impact of the technology in the whole chain?**

*This question has not been answered yet.*

### **Now that you have thought hard about the sustainability of this technology, what improvements would you like to make? List them below.**

*This question has not been answered yet.*

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## Future

Did you consider future impact?

*This category is only partial filled.*

## What could possibly happen with this technology in the future?

Technical products can be improved.

**Sketch a or some future scenario (s) (20-50 years up front) regarding the technology with the help of storytelling. Start with at least one utopian scenario.**

*This question has not been answered yet.*

**Sketch a or some future scenario (s) (20-50 years up front) regarding the technology with the help of storytelling. Start with at least one dystopian scenario.**

*This question has not been answered yet.*

**Would you like to live in one of this scenario's? Why? Why not?**

*This question has not been answered yet.*

**What happens if the technology (which you have thought of as ethically well-considered) is bought or taken over by another party?**

*This question has not been answered yet.*

**Impact Improvement: Now that you have thought hard about the future impact of the technology, what improvements would you like to make? List them below.**

*This question has not been answered yet.*