

Corrupted Visions

Between You and I

Media and Learning Conference 2026

25 June 2026

SURF





John Walker

Responsible Technologies Advisor
Public Values, AI ethics,
eXtended Reality Technologies



Sanderijn Kuijvenhoven

Responsible Technologies Advisor
Public Values, Responsible AI,
AI Strategy, AI Policy

The SURF logo consists of the word "SURF" in white, uppercase, sans-serif font, centered within a black speech bubble shape. The speech bubble has a rounded rectangular body and a small tail pointing towards the bottom right.

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Mark Cole

Strategic Foresight Advisor

Futuring, Strategy, Scenario building



Stefan Huber

Visualisation Advisor

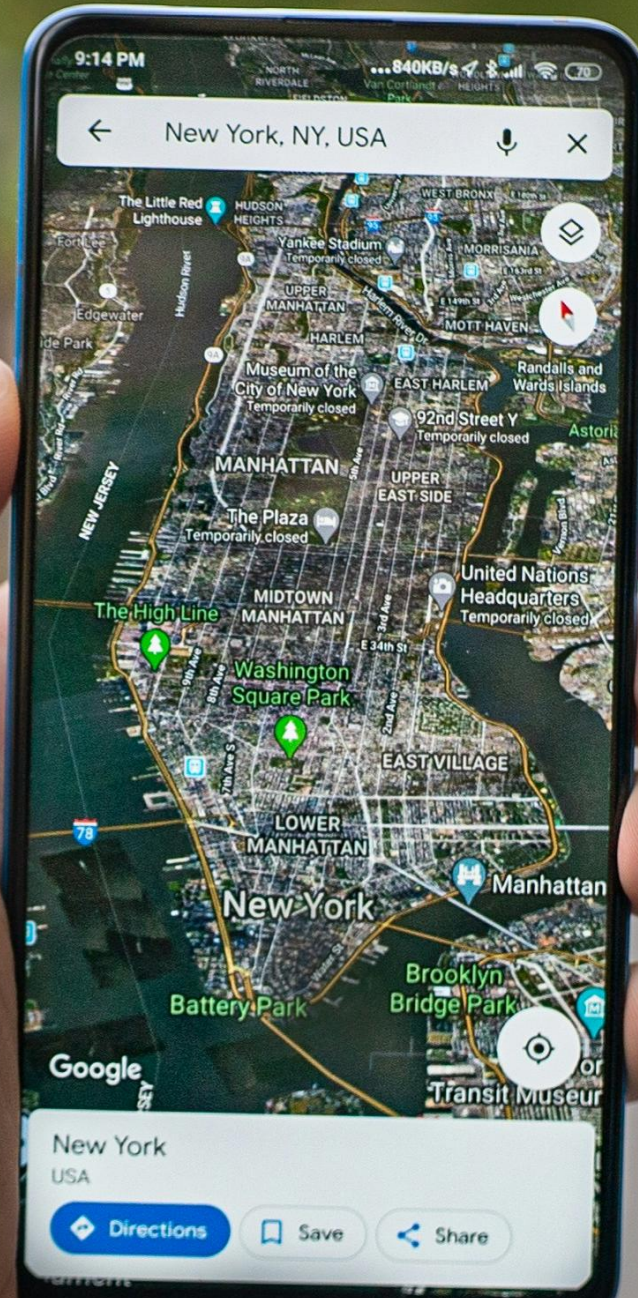
eXtended Reality Technologies

Scientific Computing and Visualisation

| Imagine you're in NYC



Opening Maps



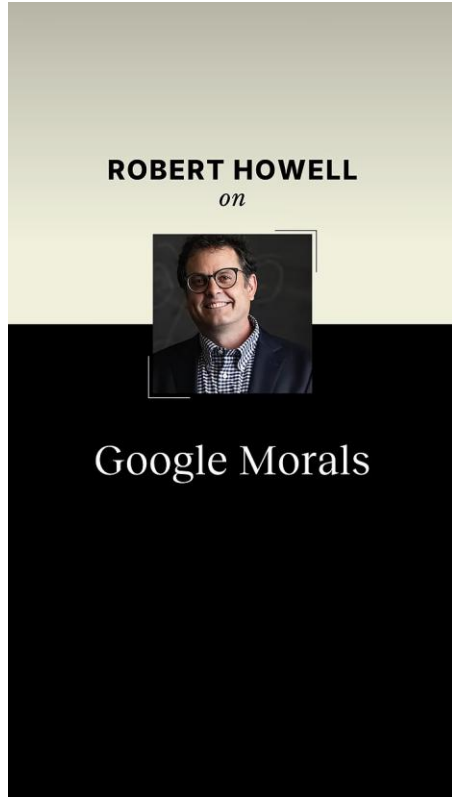
| A burger!



| No big deal

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| 'Google Morals'



Screenshot from @philosophyMinis



Burger me this

| **It tells you what to do
and you act upon it**

The Question Howell asks is:
**“Why is using Google Maps
considered to be okay, but
Google Morals, not?”**

| Howell's argument

It's **not** about the answer the Morals app gives or the decision-making process it did to get there.

- **It's about what it does to us as a user.**

Moral reasoning is a practice and skill

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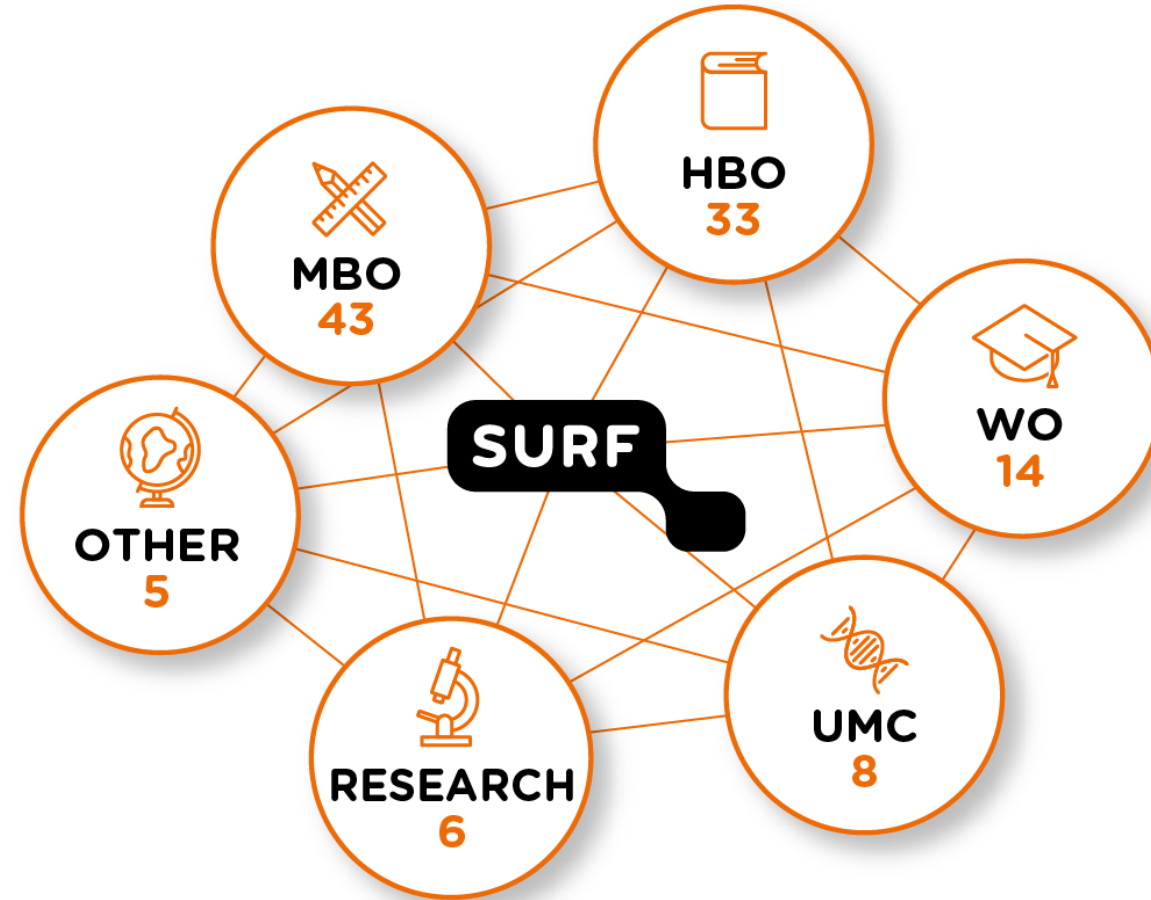
| Moral reasoning is a
practice and skill

| **Today, *Google Morals* exists**



[MANGO]



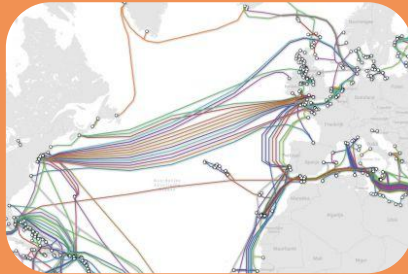


WO: Research-oriented higher education
HBO: Higher professional education
MBO: Vocational education and training
UMC: University teaching hospital

At the helm of your own infrastructure



WiFi

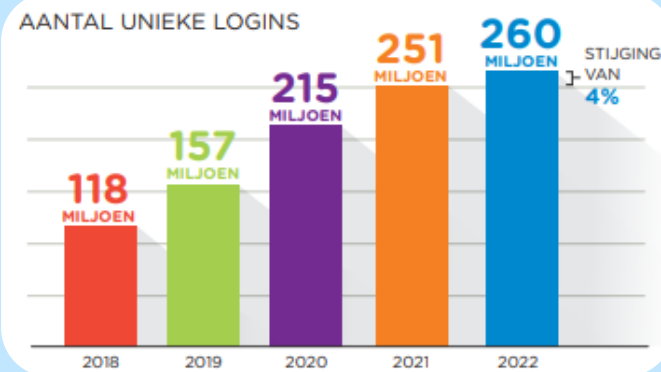


Connectivity



Compute

50+ Cooperative Education and Research Services



Identity Management

Values-driven



Sjoera Nas, a Dutch privacy consultant, helped to lead negotiations with Microsoft, Zoom and Google. Melissa Schriek for The New York Times

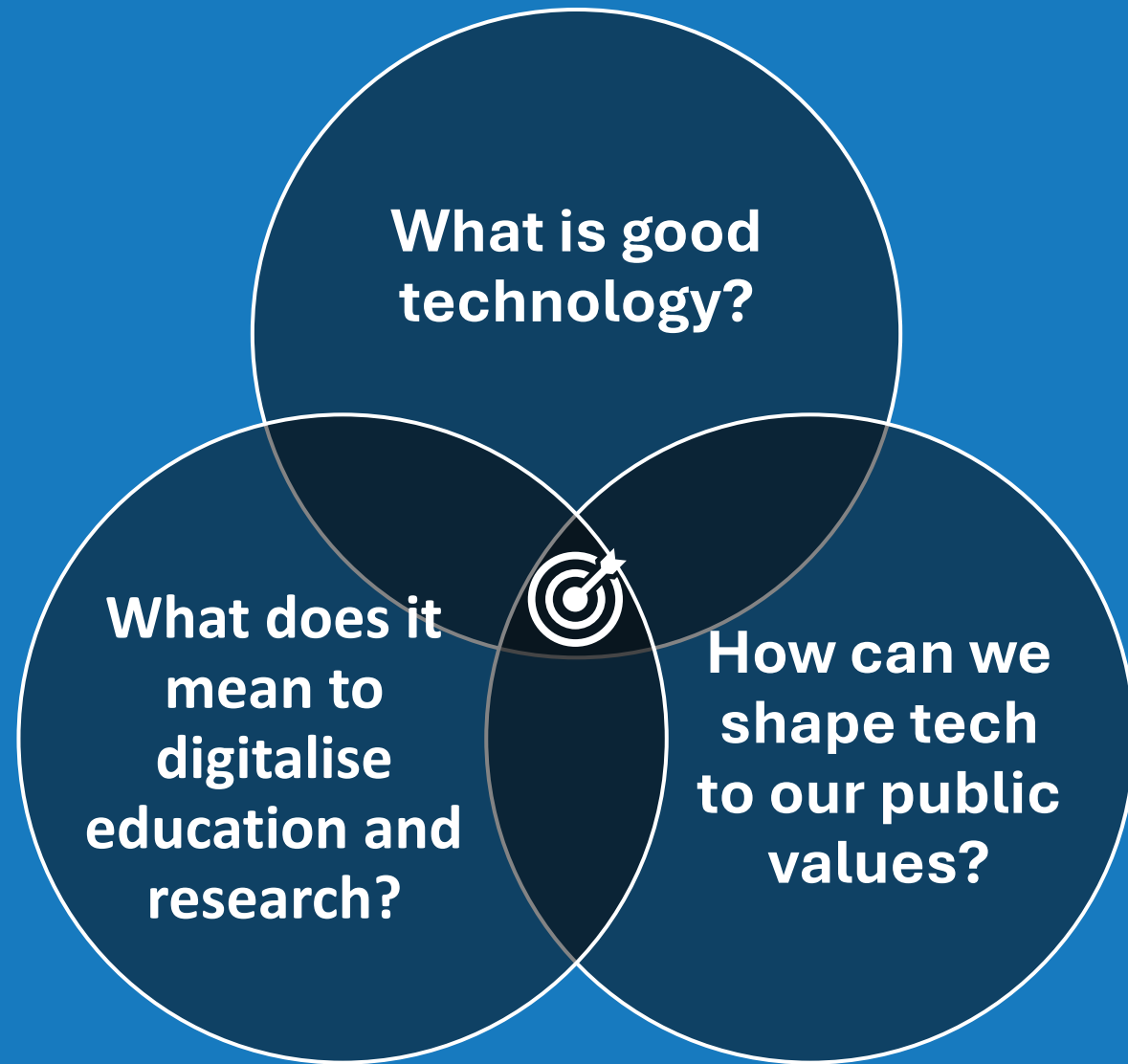
How the Netherlands Is Taming Big Tech

Dutch privacy negotiators have spurred major changes at Google, Microsoft and Zoom, using a landmark European data protection law as a lever.

| What does it mean to digitalise
education and research?

| How can we shape tech to our public values?

| What is good technology?



Responsible Tech



| Responsibility



It's extra

| Responsibility, it's extra

Responsibility (verantwoordelijkheid)

A feeling of duty or rational that you have a (responsibility) to someone.
A duty to take action that will protect their interests.

Proactivity integrating accessibility features in an application

Accountability (toerekenbaarheid)

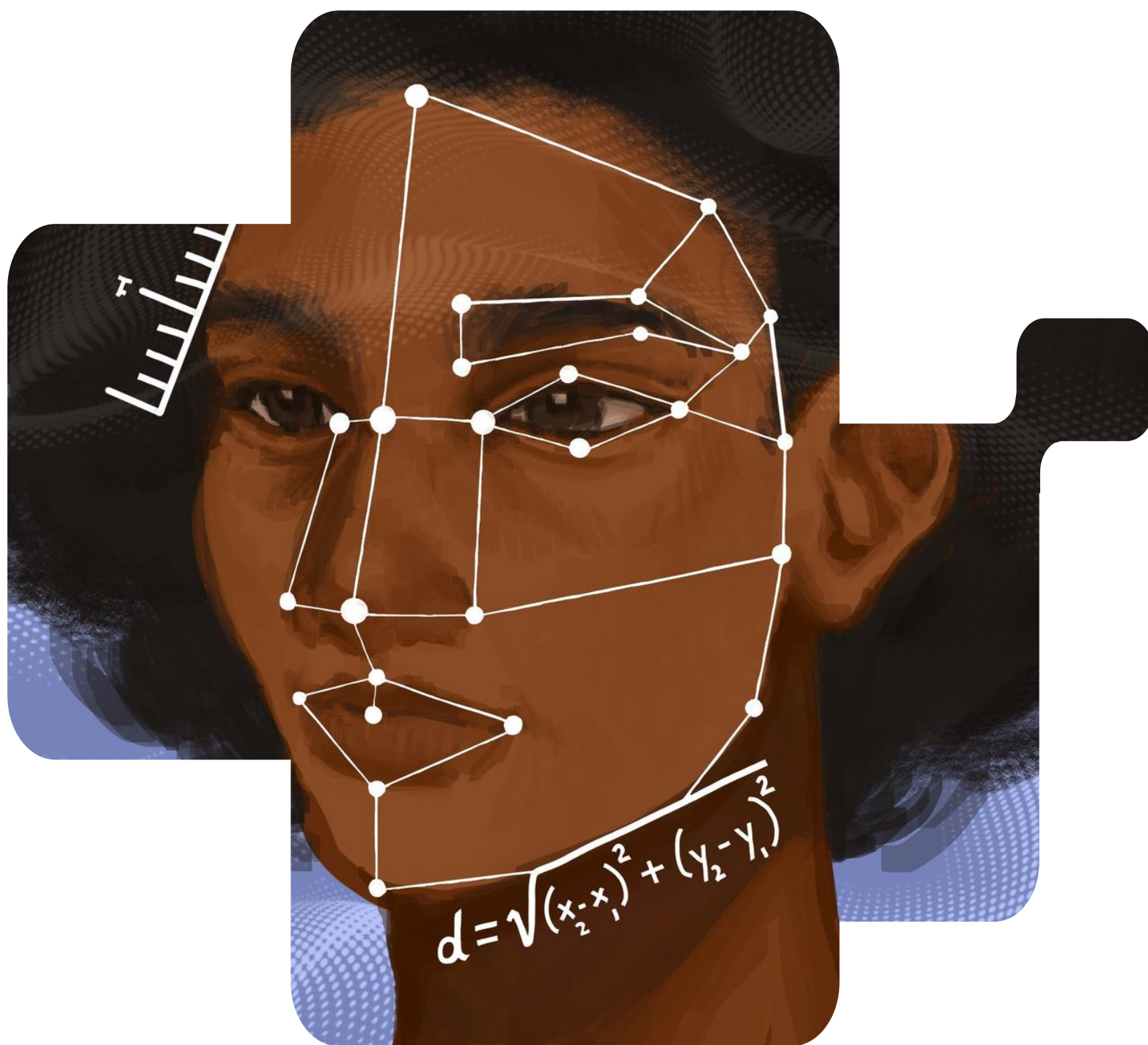
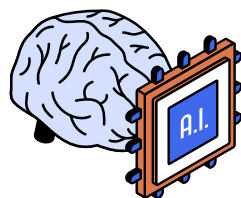
Being answerable for one's actions and their outcomes

In your role, you may have to address user concerns about the data misuse in platforms

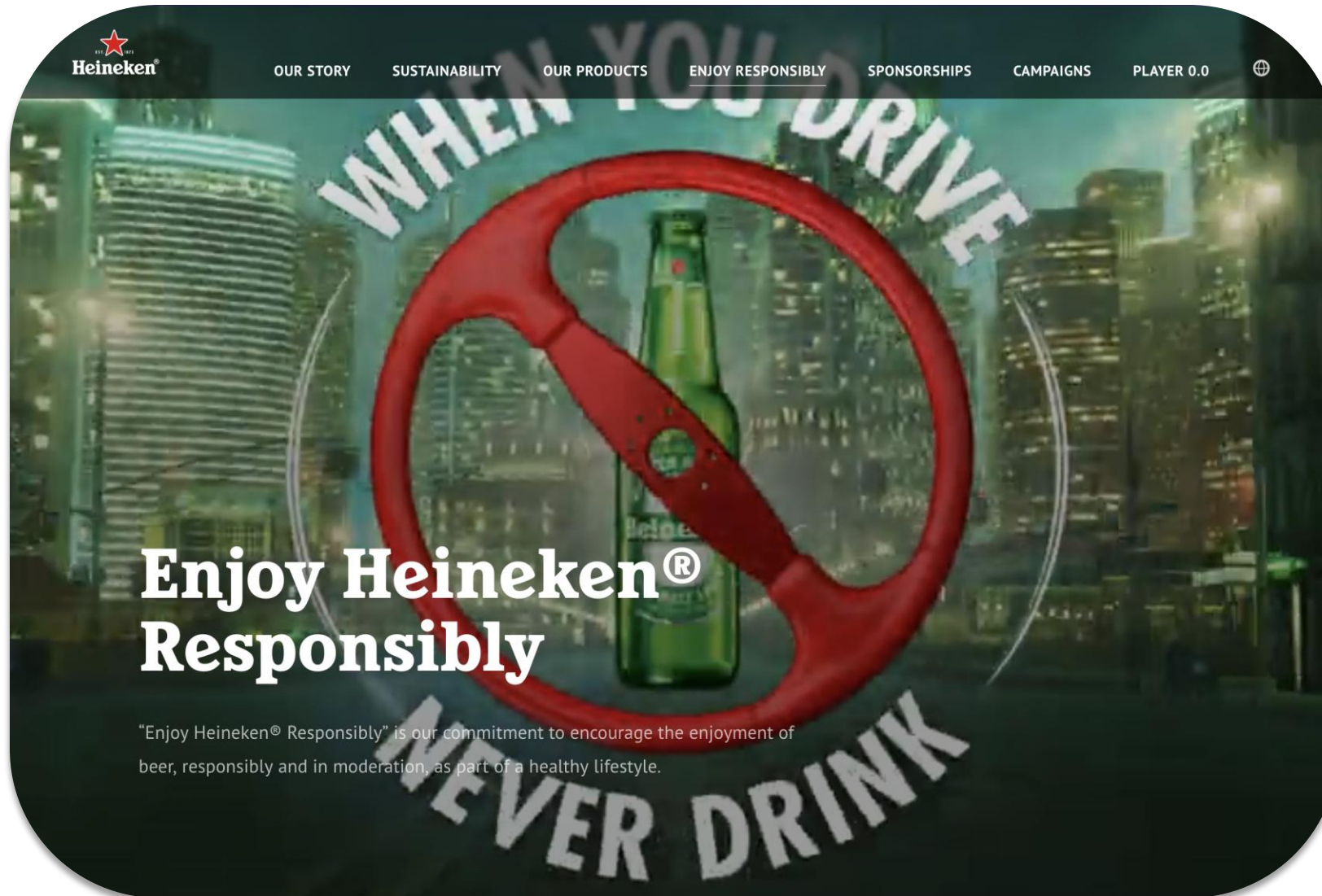
Liability (aansprakelijkheid)

Legal responsibility for one's actions or inaction

Facing legal consequences for violating user privacy in digital environments



| Example close to home



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| Example close to home?



| Responsibility as a verb

| Responsibility as Practice



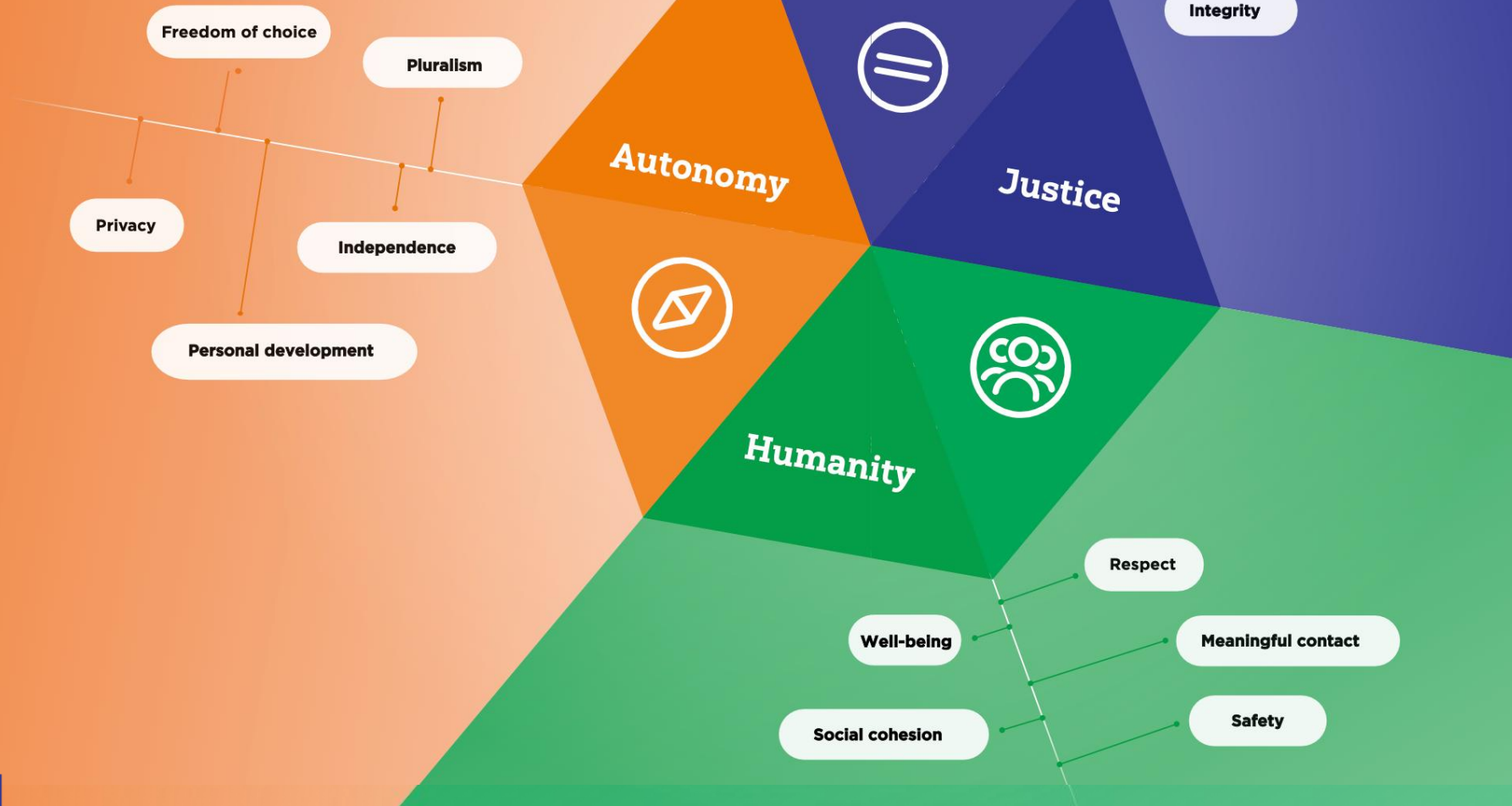
Responsibility as a practice refers to the idea that responsibility is not just a theoretical concept, but a practical skill that needs to be developed and exercised.

Responsibility as a practice requires a
commitment to **X values...**

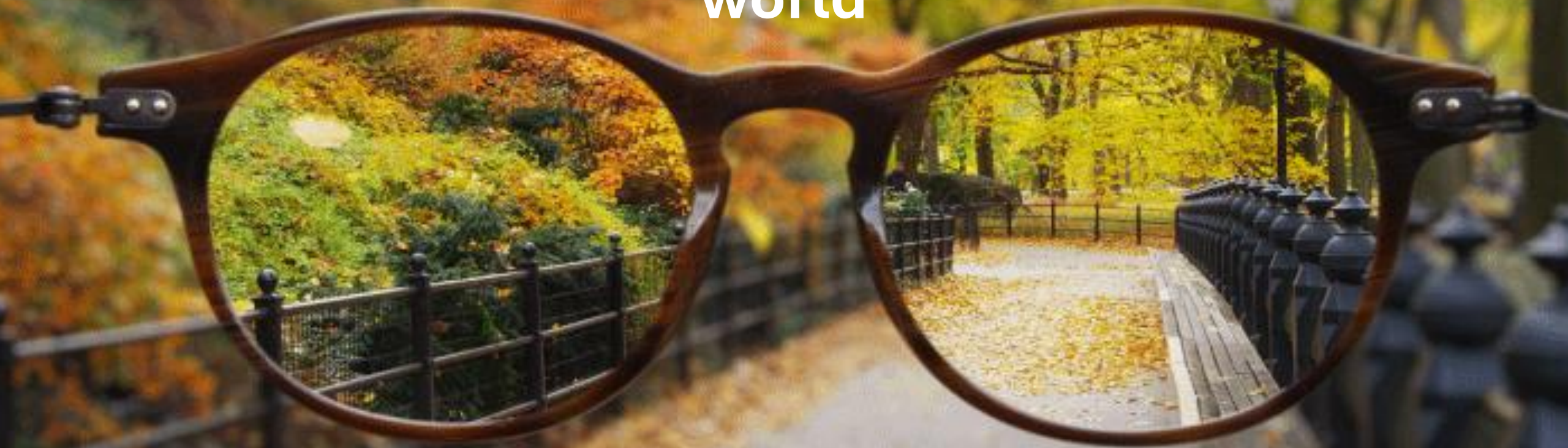
| So, what does this have to do
with (smart) glasses? 🕶️

Value Compass

for digitalisation in
education and research



Technology shapes our view of the world



**Which values could we propose for
technologies in our world of
education and research?**

| Whose Values?



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This photo of Mark Zuckerberg looks bizarre now. It won't look so bizarre in a few years. (2016)

VOX News: <https://www.vox.com/2016/2/23/11100616/mark-zuckerberg-oculus-vr>

| Whose Values?



Please Don't Make Me Wear Mark Zuckerberg's Ugly Glasses
No one wants to wear a computer on their face. (Sept 26, 2024)



In the news

In the 'past' (2024)

Orion, fully-functioning
prototype, 100g weight

Holographic display, wide
FOV (70 degrees)

See-through optics wave-
guide, not passthrough

Custom silicon and sensors

Voice and AI interaction.
Hand and eye tracking.

Has wrist-based neural
interface

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Meta

Introducing Orion, Our First True Augmented Reality Glasses

September 25, 2024

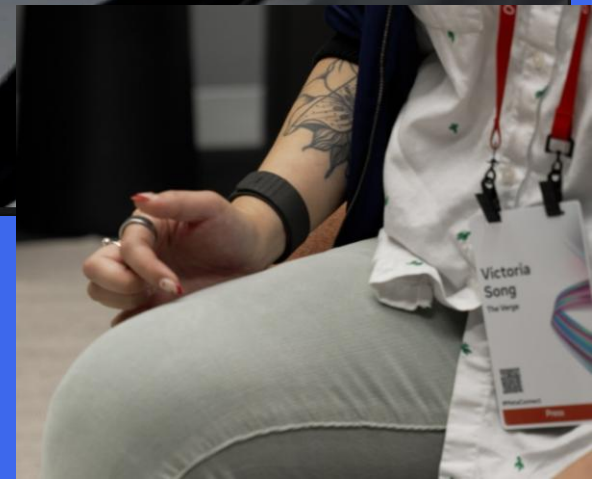


In more news

- The new \$800 Meta Ray-Ban Display glasses have a screen that can show directions, pictures, translations, and more.
- Meta is launching Ray-Ban branded smart glasses with a heads-up display (HUD) that shows information to one eye only - this is not full AR but a simpler display overlay
- Gesture Control - The glasses will be controlled by a special wristband that detects muscle signals (sEMG), allowing users to swipe letters on surfaces to send messages and interact with the display
- Battery life – ‘Around 6 hours’
- Released: Sept 30, **2025**



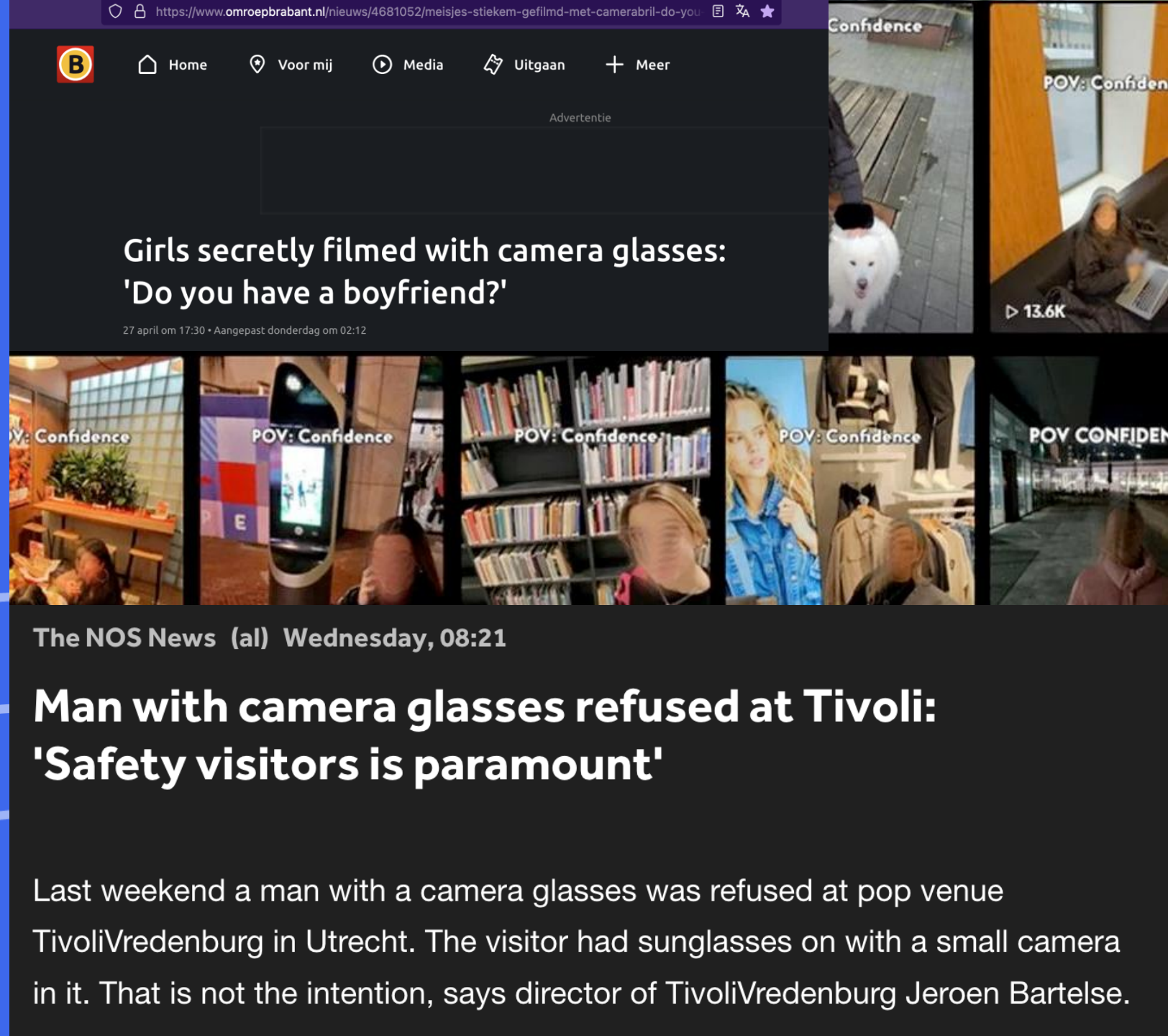
The EMG Band utilizes something called **electromyography** to read the signals from your muscles so that you can control the display with gestures.



In even more news

- New 'use cases' for these glasses as they build up an 'unexpected' reputation.
- Continuing trend of pressuring public values – privacy, personal security, transparency
- Banning has begun!

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The screenshot shows a news website with a dark theme. At the top, there's a navigation bar with a logo (a yellow circle with a black 'B') and links for Home, Voor mij, Media, Uitgaan, and Meer. Below this is a large headline: "Girls secretly filmed with camera glasses: 'Do you have a boyfriend?'" with a sub-headline "27 april om 17:30 • Aangepast donderdag om 02:12". To the right of the headline are two small video thumbnails, one showing a dog and another showing a person. Below the main headline is a row of five smaller video thumbnails, each labeled "POV: Confidence". At the bottom, there's another headline: "Man with camera glasses refused at Tivoli: 'Safety visitors is paramount'" with a sub-headline "The NOS News (al) Wednesday, 08:21". Below this headline is a paragraph of text: "Last weekend a man with a camera glasses was refused at pop venue TivoliVredenburg in Utrecht. The visitor had sunglasses on with a small camera in it. That is not the intention, says director of TivoliVredenburg Jeroen Bartelse."

Confidence

POV: Confidence

Advertentie

Girls secretly filmed with camera glasses: 'Do you have a boyfriend?'

27 april om 17:30 • Aangepast donderdag om 02:12

POV: Confidence

POV: Confidence

POV: Confidence

POV: Confidence

POV: Confidence

The NOS News (al) Wednesday, 08:21

Man with camera glasses refused at Tivoli: 'Safety visitors is paramount'

Last weekend a man with a camera glasses was refused at pop venue TivoliVredenburg in Utrecht. The visitor had sunglasses on with a small camera in it. That is not the intention, says director of TivoliVredenburg Jeroen Bartelse.

Google Intelligent Eyewear – Fall 2026

Google announced audio and display glasses at I/O 2026 (in May), built on the **Android XR** platform with Samsung and Qualcomm, powered by Gemini AI.

Audio glasses launch first (Fall 2026)

- Visual context: Gemini sees
- Calls, texts, and message summaries without your phone
- Real-time voice and text translation
- Photo/video capture with AI editing
- Multi-step task handling (e.g., ordering food via DoorDash)
- Compatible with Android and iOS



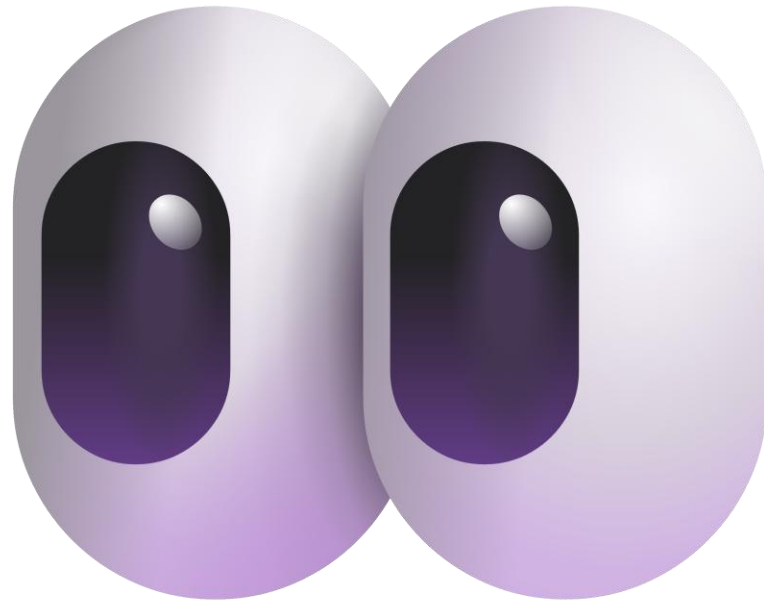
WARBY PARKER

Google | SAMSUNG



GENTLE MONSTER

Google | SAMSUNG



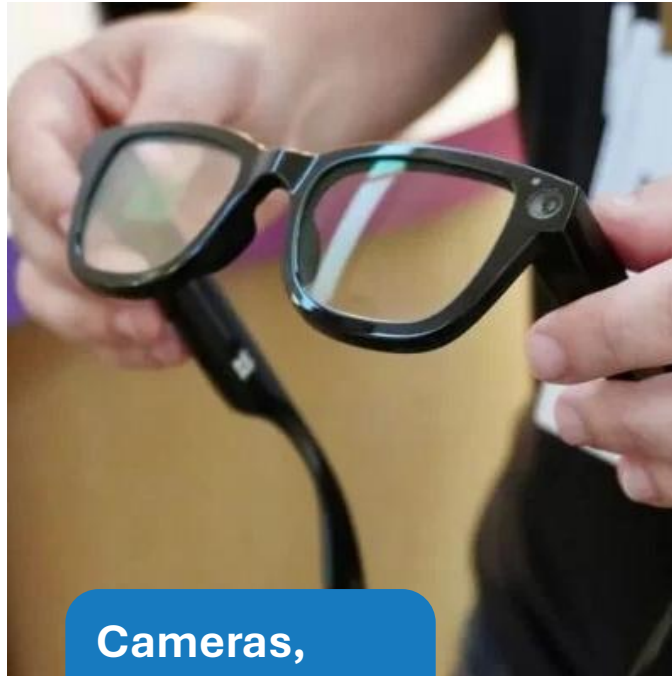


What are smart/AI/AR glasses?

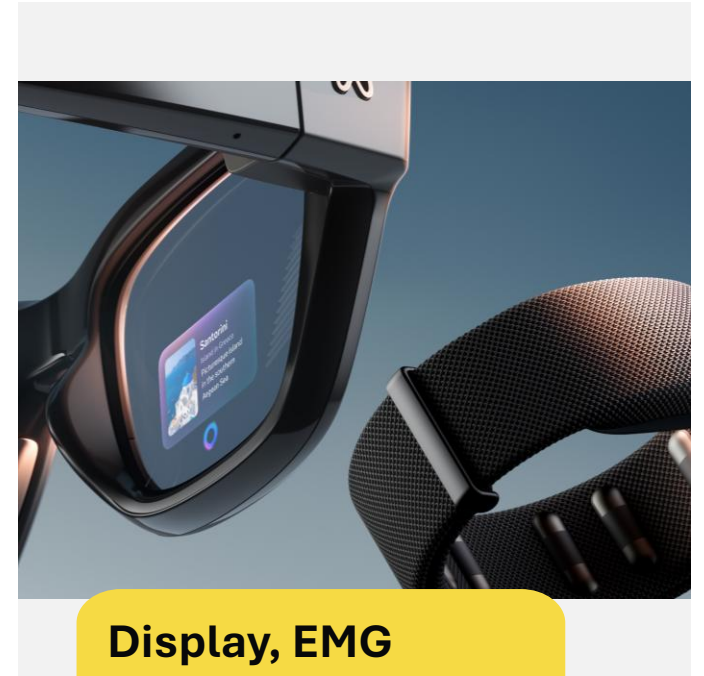
| "Smart" Glasses



Waveguide
lenses

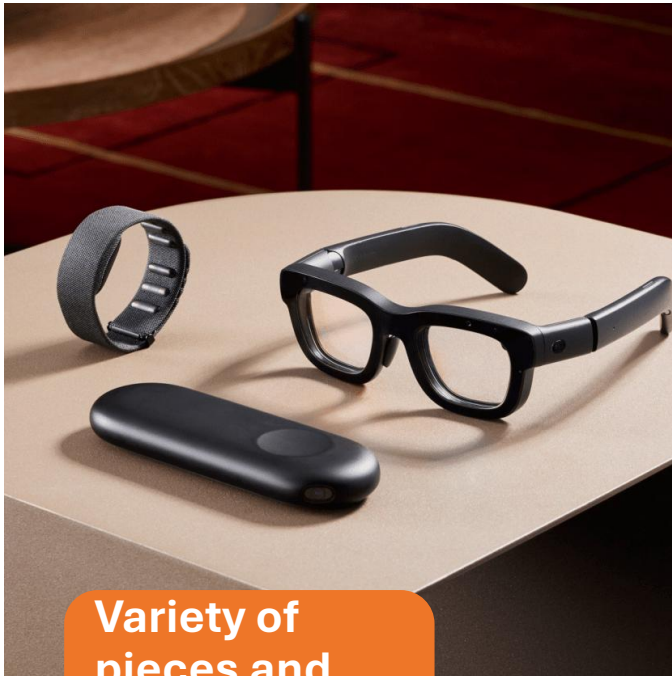


Cameras,
Microphones

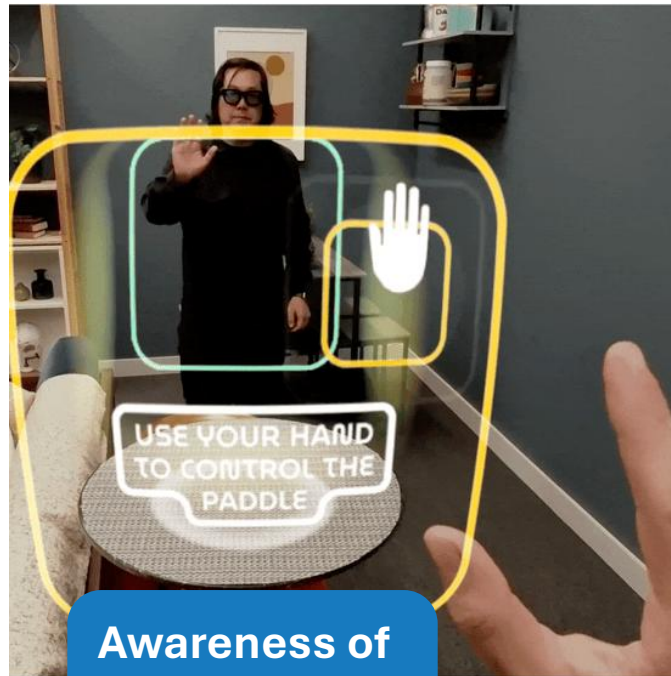


Display, EMG
bracelets

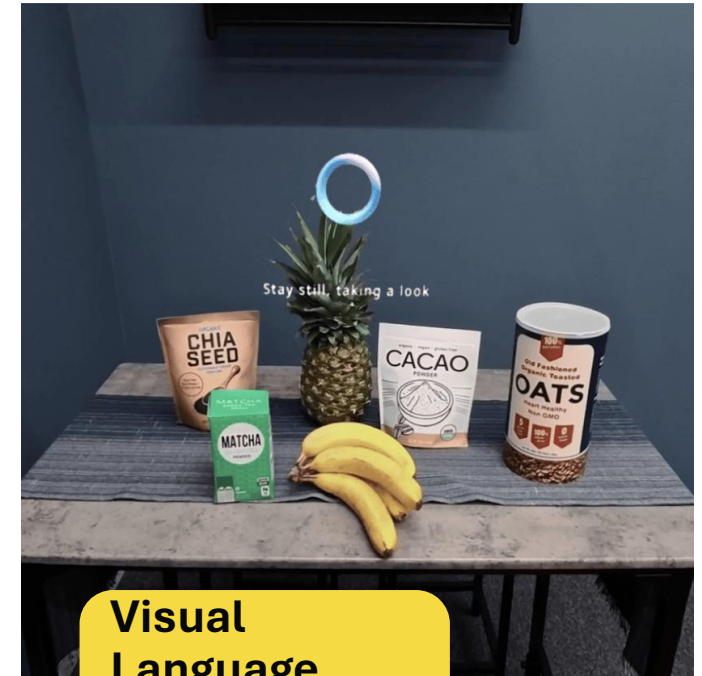
| More Capabilities



Variety of
pieces and
gadgets



Awareness of
surroundings



Visual
Language
Models

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How can we engage these technologies?

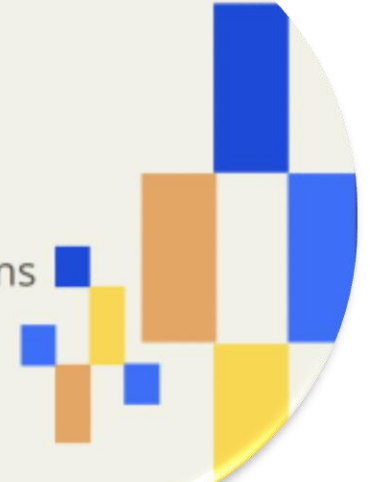
Seeing through Smart(er) Glasses in Higher Education: Student Report

- *Evaluate the ethical challenges through the lens of public values such as autonomy, justice, and humanity, guided by SURF's Value Compass.*
- Integrates the Anticipatory Technology Ethics (ATE) framework to provide a structured approach and evaluates the ethical implications of advanced features such as EMG wristbands,
- Identifies areas for further research to better understand the long-term effects of these technologies.

Smart Glasses in Higher Education

A Report on Current and Future Ethical Concerns

January 19th, 2025



Distraction from technology is already a significant issue in education... Smart glasses, when worn continuously, are even more accessible than smartphones or laptops.

Corrupted Visions Project

Dark Tech studio students are designing smart glasses with intentionally problematic features.

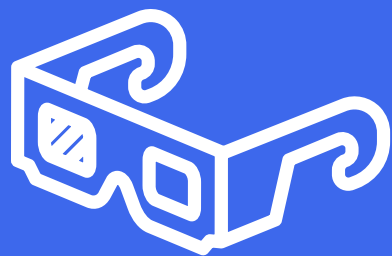
- Information asymmetry
- Social manipulation/nudging
- Not to celebrate these things, just trying to understand them from experience and experimentation

The result is a workshop/art tool that puts participants in the uncomfortable position of wearing the technology.

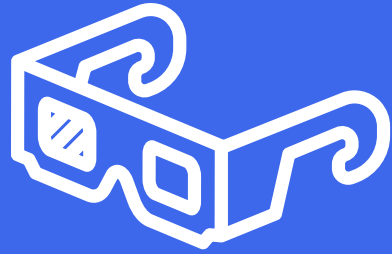
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In the end, learners designed a workflow, or an application, use-case, demo, and not "smart glasses"



But can we do more?



What do we have for you today?

Corrupted Visions

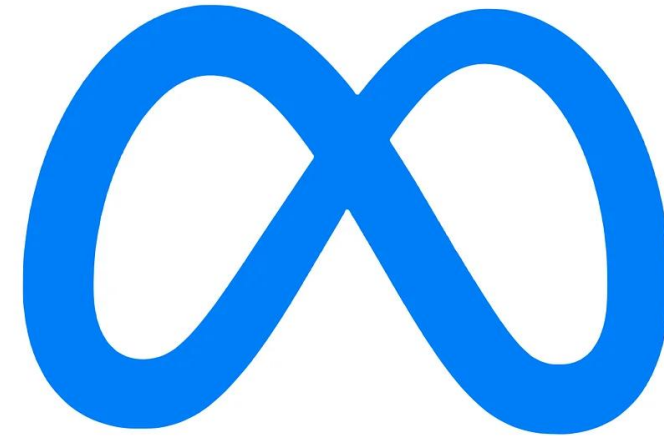
Are Smartglasses 'right' for education?

- A need to understand and prepare for technologies like these coming from outside-in to educational/institutional spaces.
- Simple QR Code scanning with the meta-glasses tied to handheld phones.
- Easy way of having a screen in the lenses.
- Getting to wear the technologies you probably won't buy.



A note on consent

- We will be using META Ray bans, Oakley meta glasses, and Even realities Smart glasses in the workshop.
- The conversations are not recorded or saved on the devices.
- The ‘scanning’ by the ray bans is:
 - The QR code scanning feature on Meta AI glasses uses on-device processing, which allows for faster and more private scanning.
 - This is because the processing happens directly on the glasses without needing to transmit the QR code data to external servers.
 - “Since the QR code scanning is processed on-device, the data related to the QR code scan is not transmitted to Meta's servers. **However**, the action of scanning a QR code and the associated link may still be subject to the Meta Privacy Policy and other applicable policies.”



HollowChat demo

Have you ever used LMMs to help write an email?

This demo explores what we can do if we take the tech a step further, using it in face-to-face social interactions.

Even Realities G2 smart glasses

- Monochrome waveguide display
- Microphone
- Ring or earknob as controller
- Companion phone app as the "brain"
- E.g. live transcription, live translation, navigation
- *Custom-made apps*



HollowChat demo

During a role-play conversation, the glasses show AI-generated answers and coaching tips.

Possible problems become obvious:

- Information asymmetry
- AI-mediated social performance
- Erosion of autonomy and authenticity
- Not to celebrate these things, just to understand them from the inside

Technical note: The AI model is gemma4-e2b, running locally on a MacBook. No data leaves the workshop, and nothing is stored.

Summary

4 sentence
suggestions

Serious coach

[HollowChat] Interviewer asks about a difficult situation.

- ▶ I'm ready to share a relevant example now.
- ▶ I'm eager to discuss a challenging experience.
- ▶ I can certainly elaborate on that topic.
- ▶ I look forward to detailing my past challenges.

● Prepare a STAR method story.

| Smartglasses Workshop

- Form 6 groups at the numbers placed around the room.
 - **Groups of 2 to 3 people per group**
- We will bring you each a pair of glasses
 - **1 pair of glasses per group**
- We will bring you QR Codes and Instructions
 - **Each person will get a role and a shared scenario**



| Instructions

1. Read the **shared context** cards first with your group.

2. Then, read your own card.

Do not share this with others.

3. Start the scenario slow, introduce yourself and connect to the context.

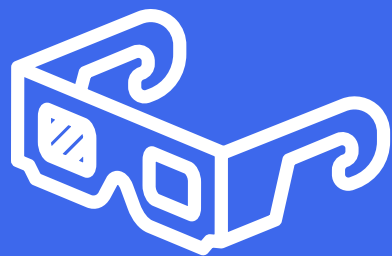
Try to avoid talking about the glasses first.

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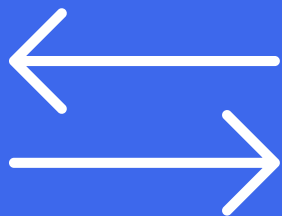
If you need help, raise your hand



First round ~20 Minutes



Please rotate to the next table/group



| Instructions

1. Read the **shared context** cards first with your group.

2. Then, read your own card.

Do not share this with others.

3. Start the scenario slow, introduce yourself and connect to the context.

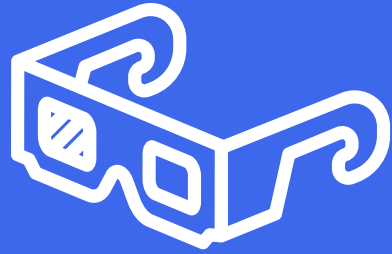
Try to avoid talking about the glasses first.



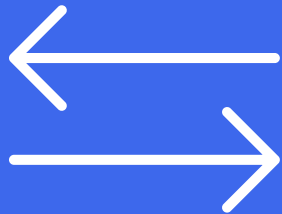
SURF

If you need help, raise your hand

Second round – 15 Minutes



Please rotate to the next table/group



| Instructions

1. Read the **shared context cards first with your group.**

2. Then, read your own card.

Do not share this with others.

3. Start the scenario slow, introduce yourself and connect to the context.

Try to avoid talking about the glasses first.



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If you need help, raise your hand

Third round – 15 Minutes

Afronding – Let's come back together

Show of hands



Was this your first experience with 'smart' glasses?

| Reflection

- Please write your feedback:
 - On a stikkie note
 - Or to John.Walker@surf.nl

Did you enjoy the experience?

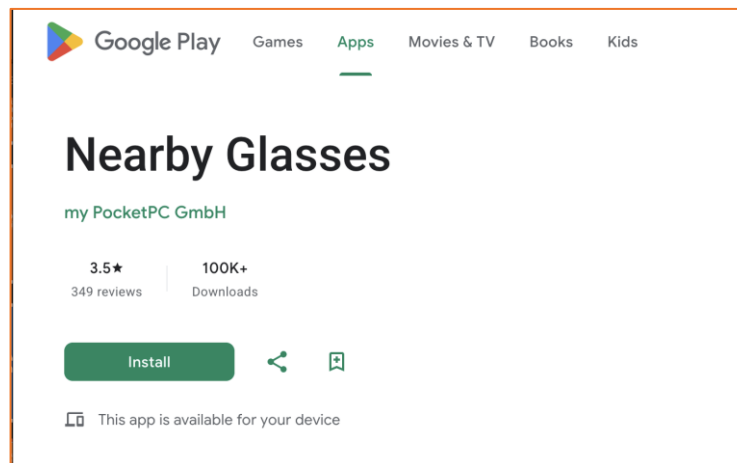
What is missing?

What did you 'learn' about ethics today?

Next steps and tools

- Workshop development
 - Thank you for your feedback!
- Advice and next steps
- Blog series for development of our work
- Email feedback to John.Walker@surf.nl

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An app for 'sensing' smart glasses



edu.nl/jpecf



edu.nl/bwrr4



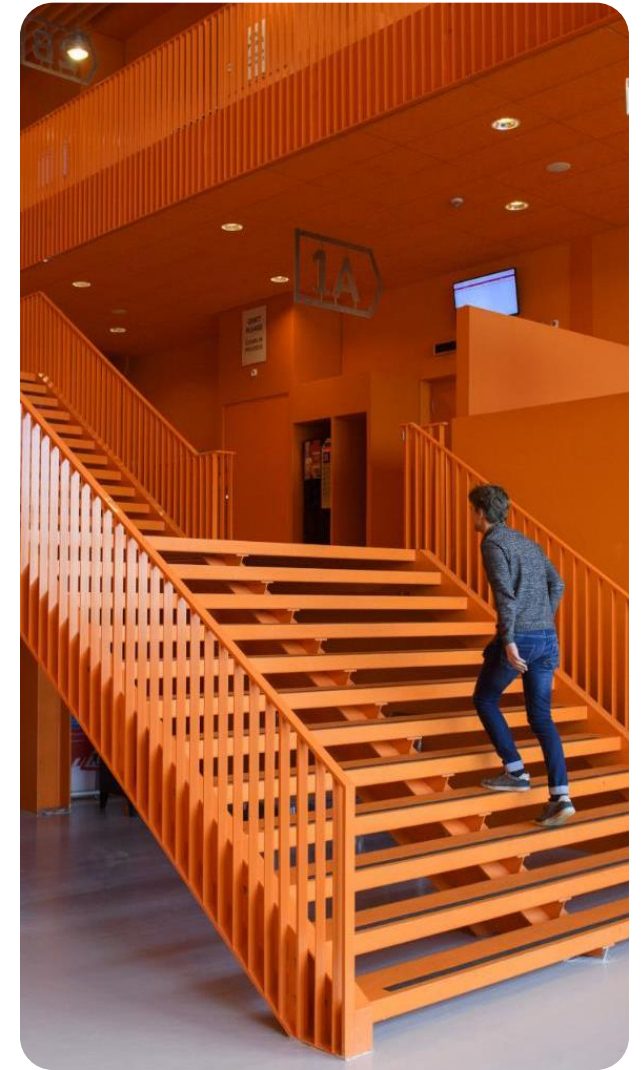
AI in Education

We're building something 'irresponsible'! – Part 1

| Credits

- Summary of Howell's work by @Philosophyminis → https://www.youtube.com/shorts/wYMsW2_5IRU?feature=share
- Google Morals, Virtue, and the Asymmetry of Deference - Robert J. Howell
 - Vol. 48, No. 3 (September 2014), pp. 389-415 (27 pages)
 - Published By: Wiley
 - Original paper: <https://www.jstor.org/stable/43828880>

| Text + Image (S)



| Text + Image (M)



| Text + Image (M) #2



| Text + Image (L)



| Image rounded



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