

Dr. Sabine Seymour

Data for Good: Datenverwendung zum Wohl aller um einen regenerativen Lebensstil zu ermöglichen

January 25, 2024

Vienna Manifesto on Digital Humanism

Palantir CEO Alex Karp:
U.S. eating everyone's lunch on
AI



UV_TASTE by Fito Segrera

is a wearable mouth piece that takes UV light and translates it into taste on the tongue of the user.

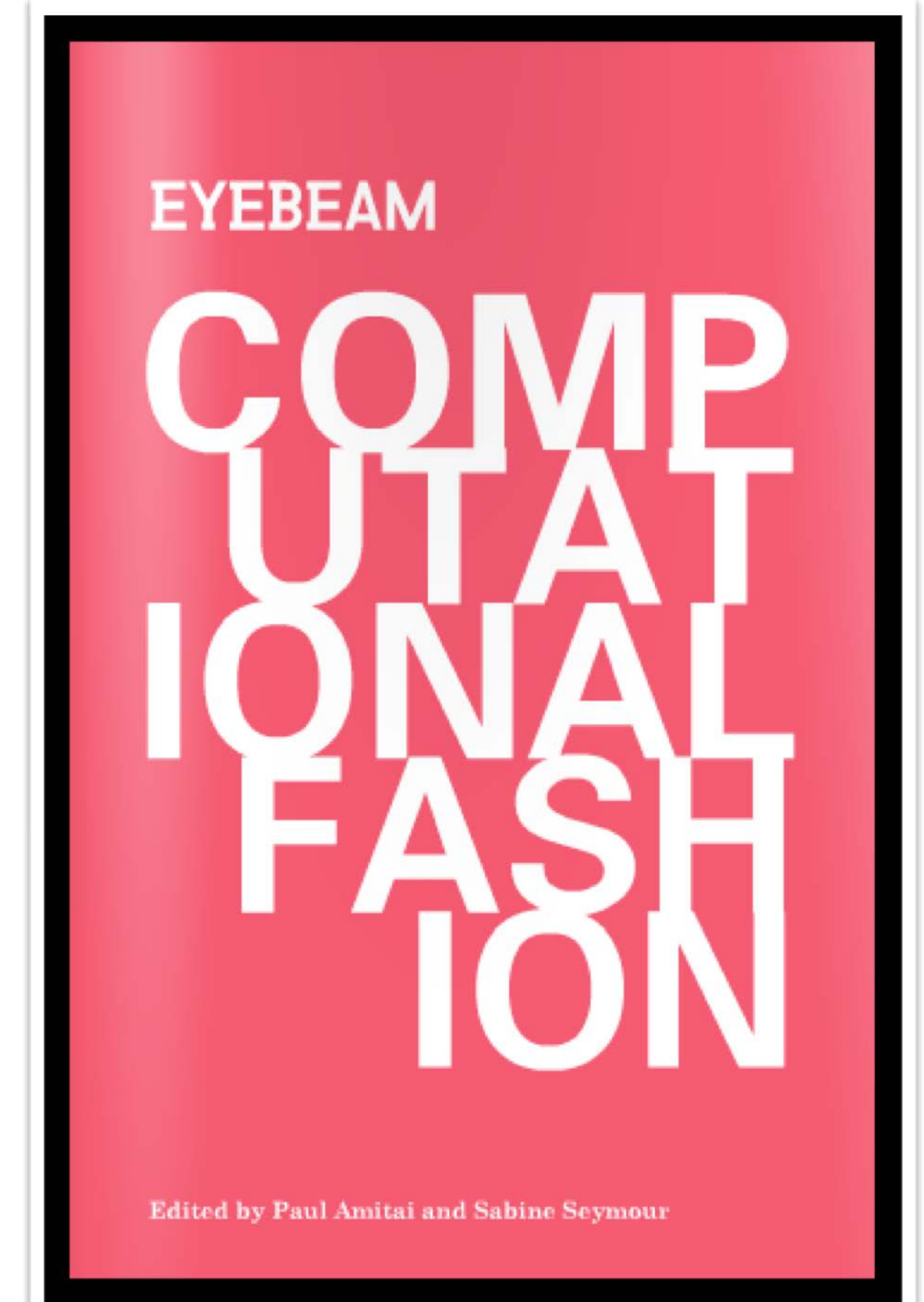
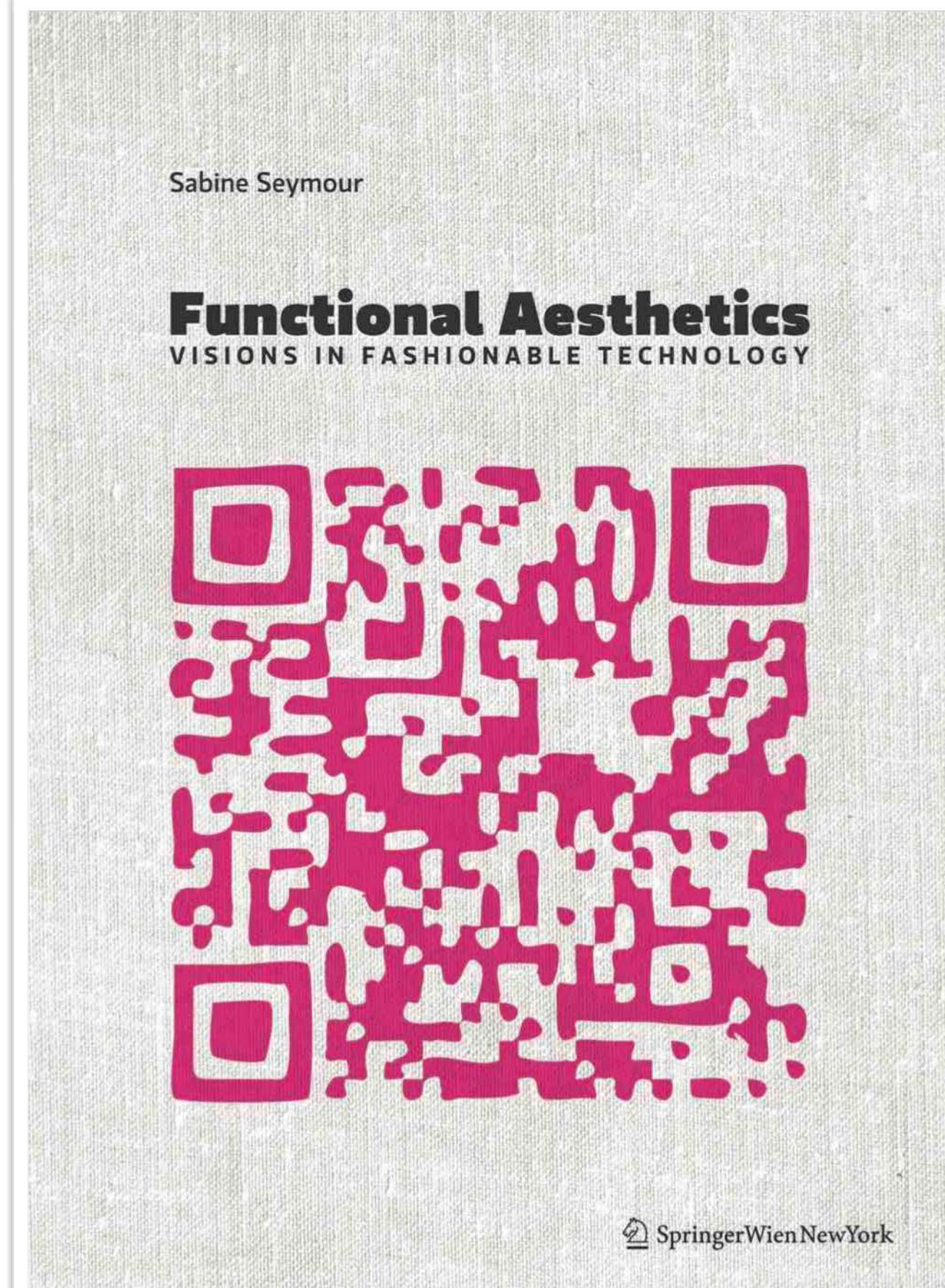
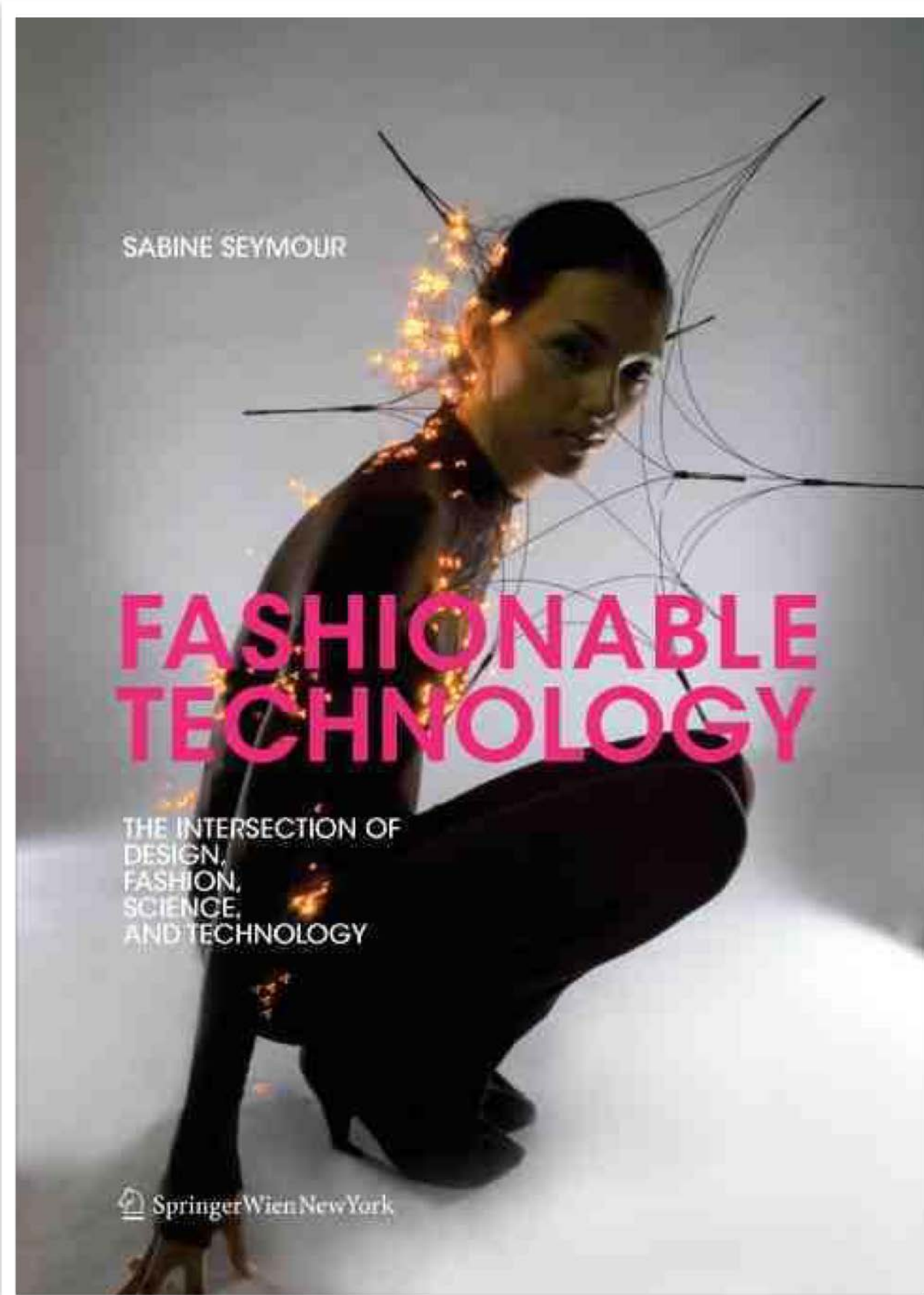
“An affective wearable is a wearable system equipped with sensors and tools that enables recognition of its wearer’s affective patterns.”

Rosalind Picard, Affective Computing, 2000

FASHIONABLE WEARABLES ARE 'DESIGNED' GARMENTS,
ACCESSORIES, OR JEWELRY THAT COMBINE AESTHETICS WITH
FUNCTIONAL TECHNOLOGY.

Sabine Seymour, Fashionable Technology, 2008

*Coined the term **#fashiontech***

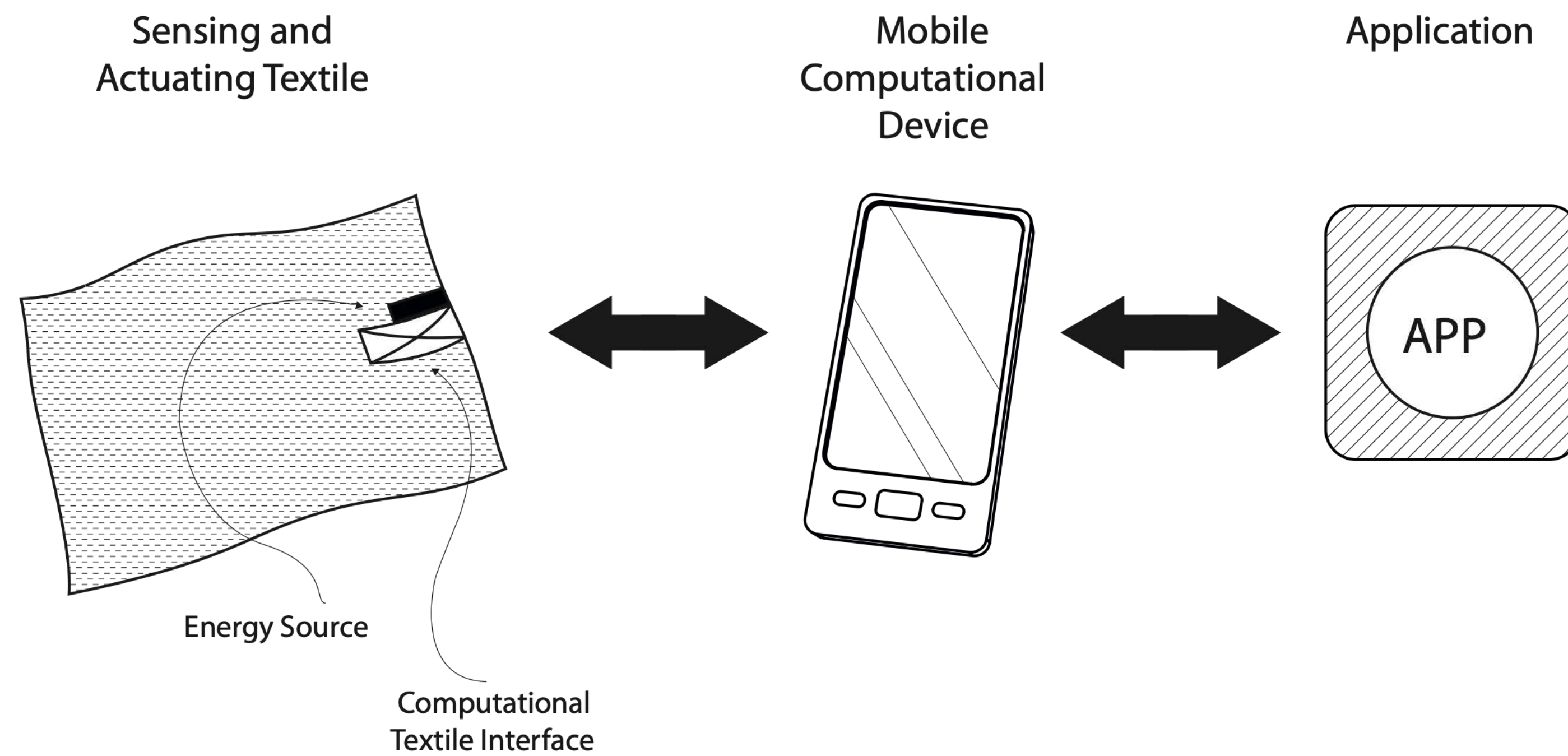
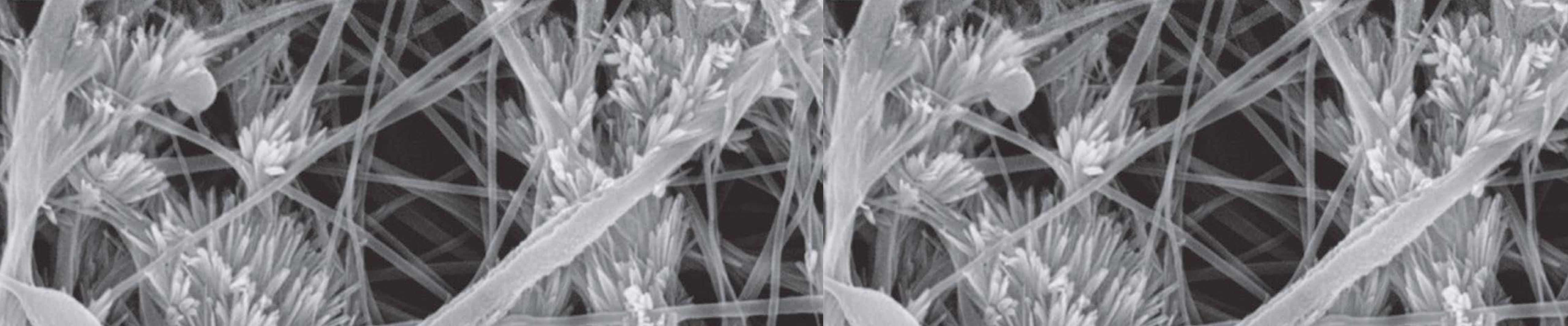


EYEBEAM



CHAIR, COMPUTATIONAL FASHION

Photo credit: Christine Butler



MOONDIAL

SCIENTIFIC FASHION

FASHIONABLE TECHNOLOGY REPORT #2

COVER PROJECT: RACHEL ARMSTRONG, PILLIP BEESELY, ROB
GORBET: HYLOYOIC GROUND



MAK



FASHION LAB: CURATOR



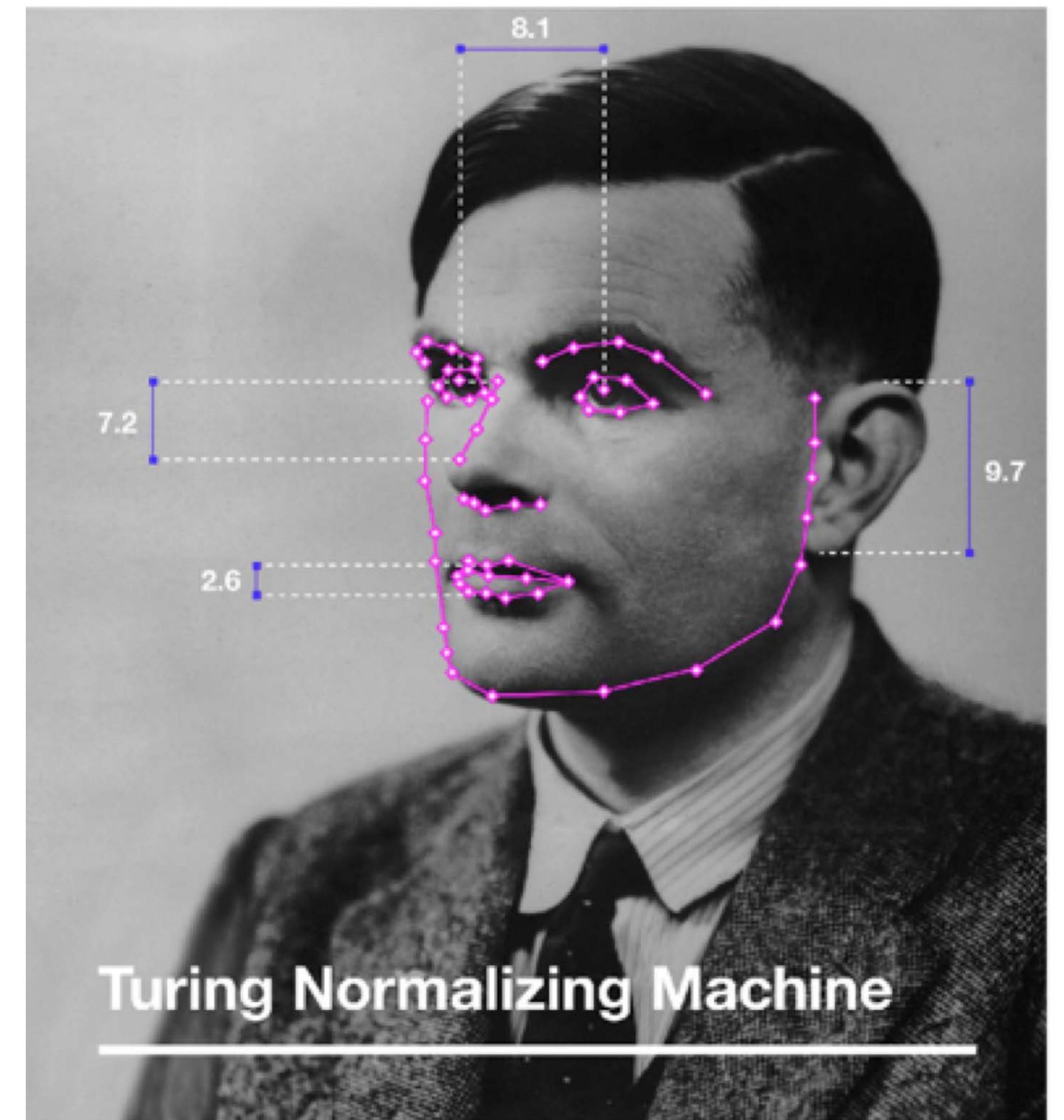
MAK



BODY METAPHOR

The psychology of wearing technology

PRECEDENTS:

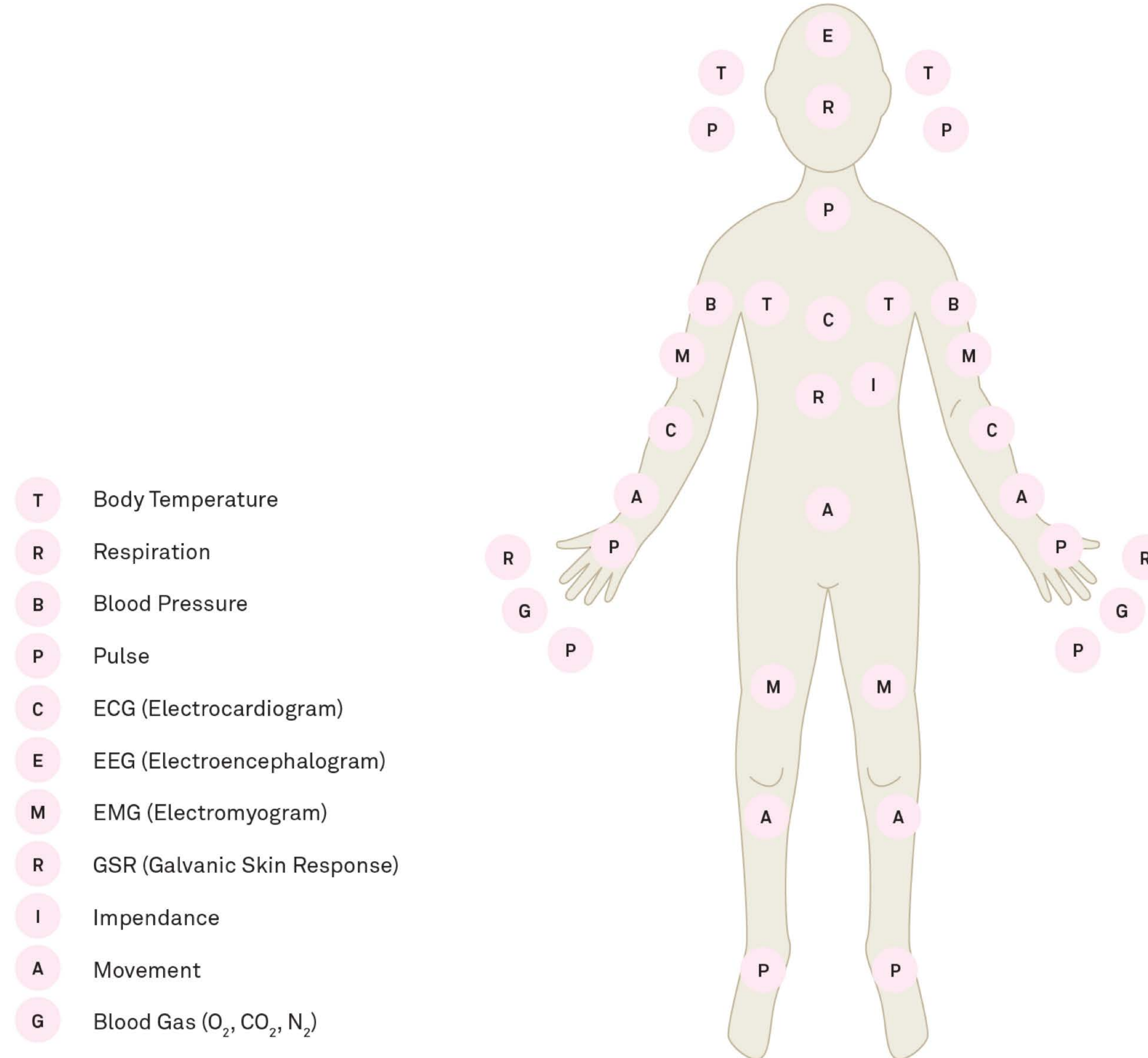


The normalizing machine: <http://mushon.com/tnm>

“Contemporary computational objects are increasing intimate machines; they demand that we focus our attention on the significance of our increasingly intimate relationships with them. This is where psychoanalytic studies are called for. We need a developmental and psychodynamic approach to technology that focuses our new object relations.”

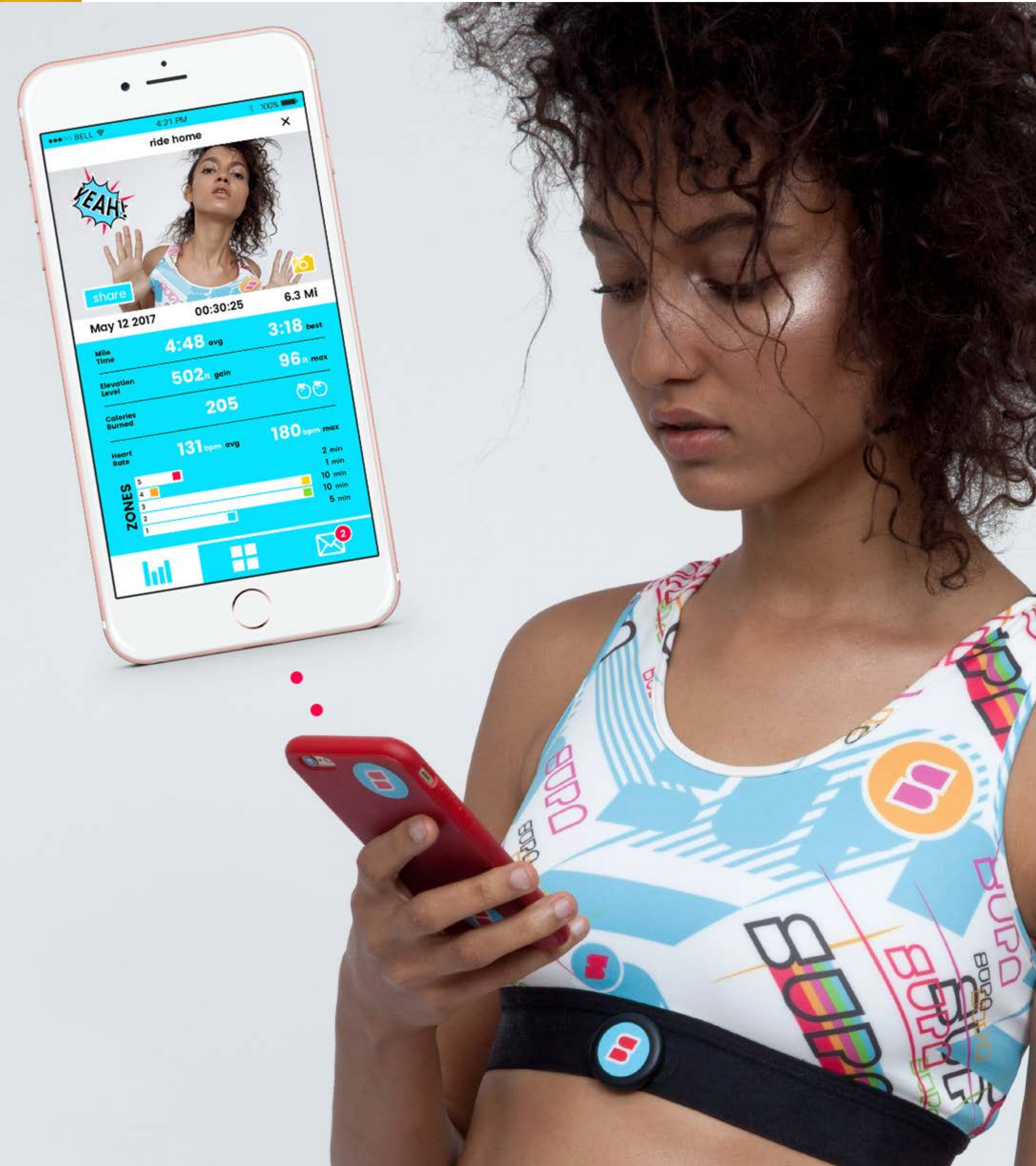
Sherry Turkle, Wither Psychoanalysis in Computer Culture?, Psychoanalytic Psychology, Vol. 21: Number 1, 16-30, MIT, 2004

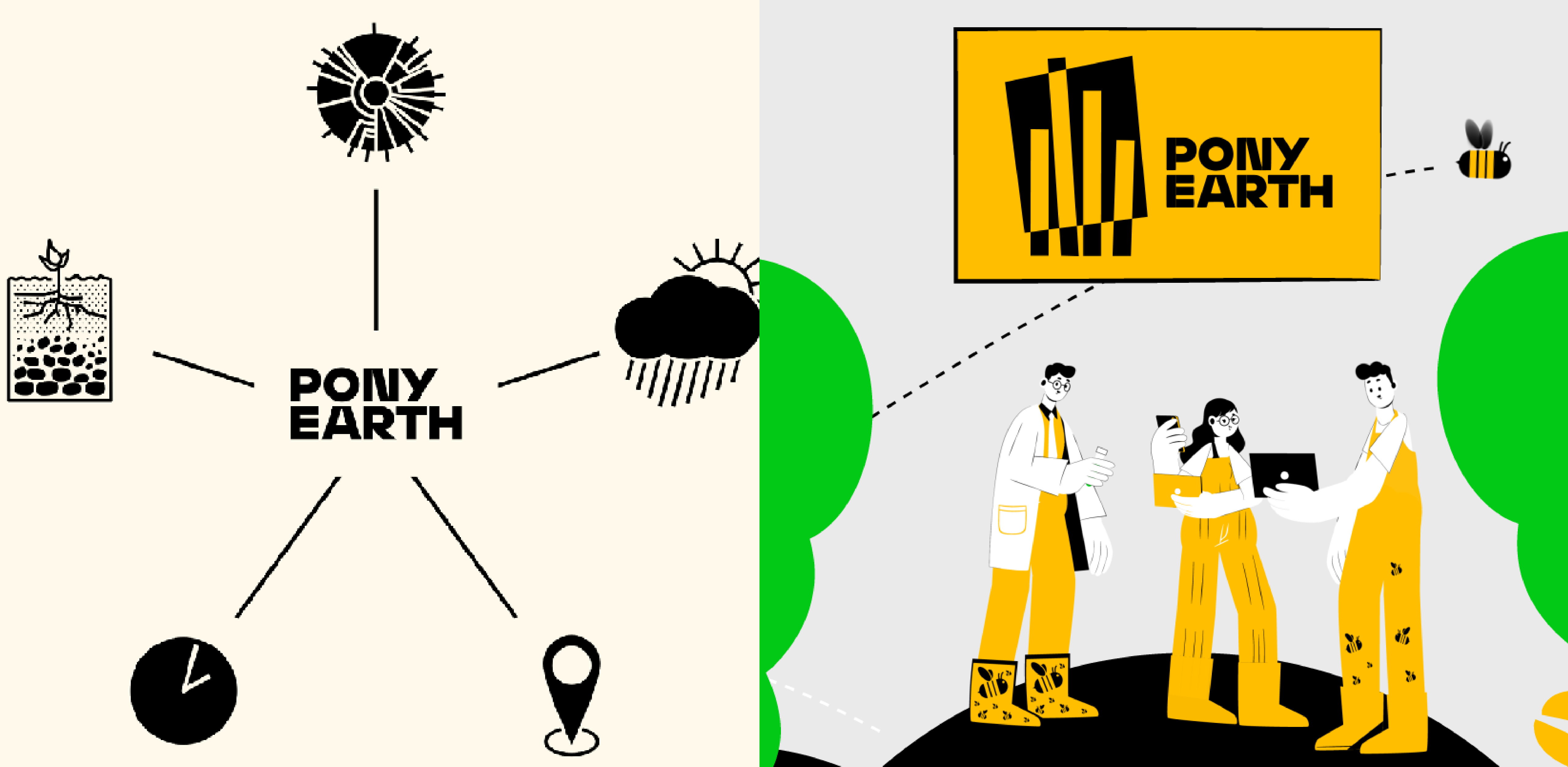
The body as a data generator





Tokenizing the Body





Biodiversity & soil health data

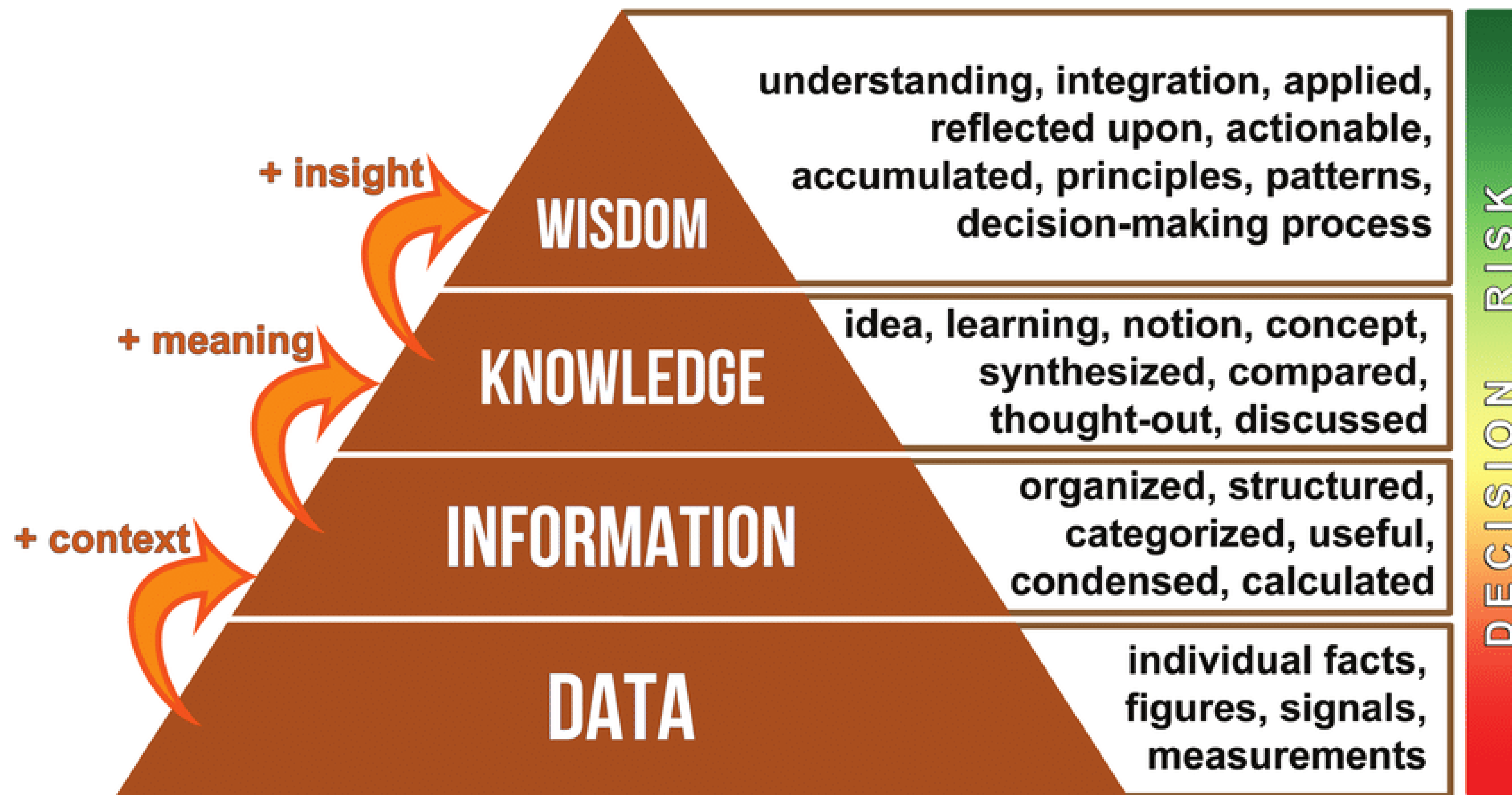
The most profound technologies are those
that disappear.

They weave themselves into the fabric of
everyday life until they are indistinguishable.

*Mark Weiser (The Computer for the 21st Century, January-March 2002, Pervasive
Computing)*

VALUE OF DATA

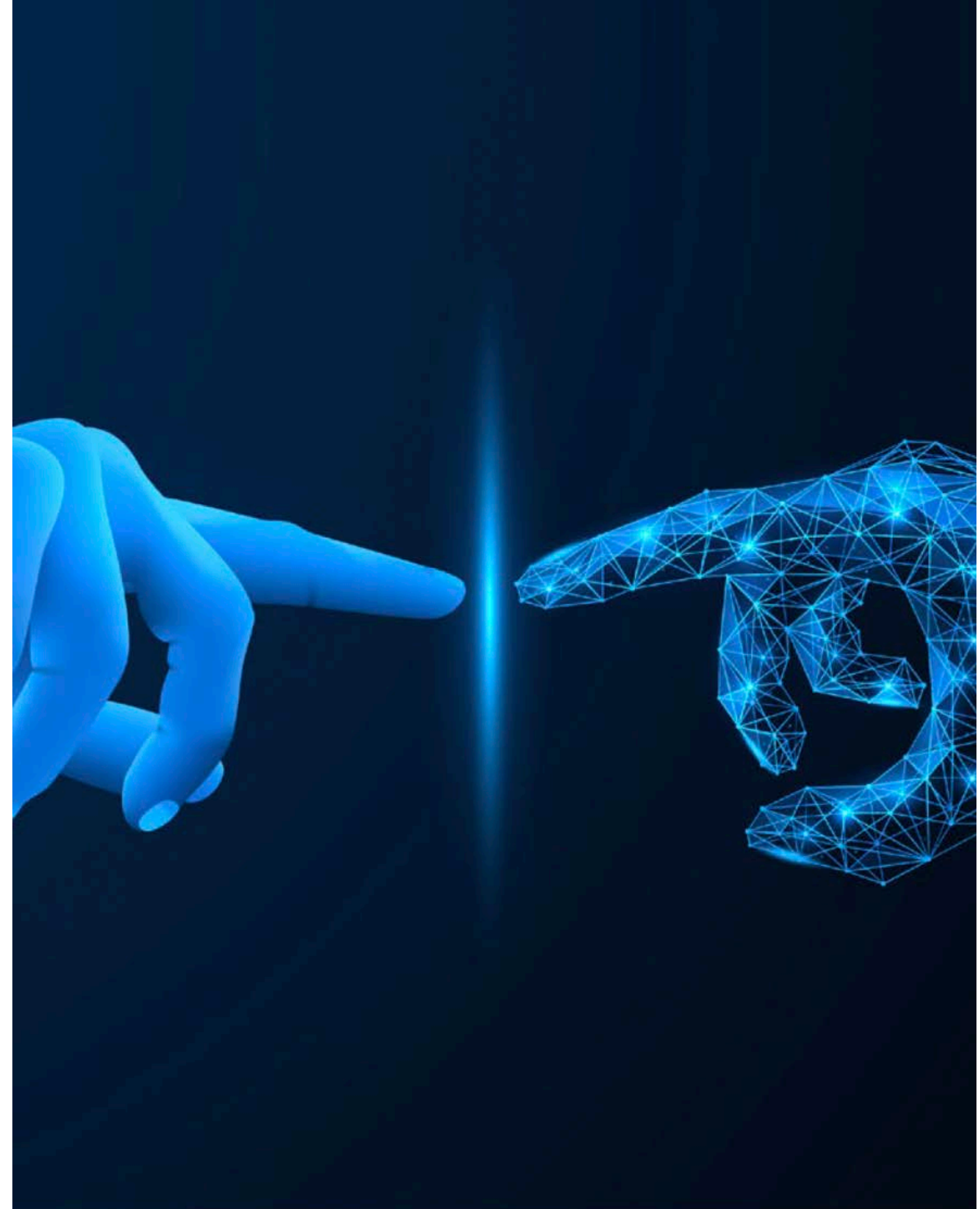
DIKW PYRAMIDE



DIGITAL BUSINESS MODELS

Data intermediaries

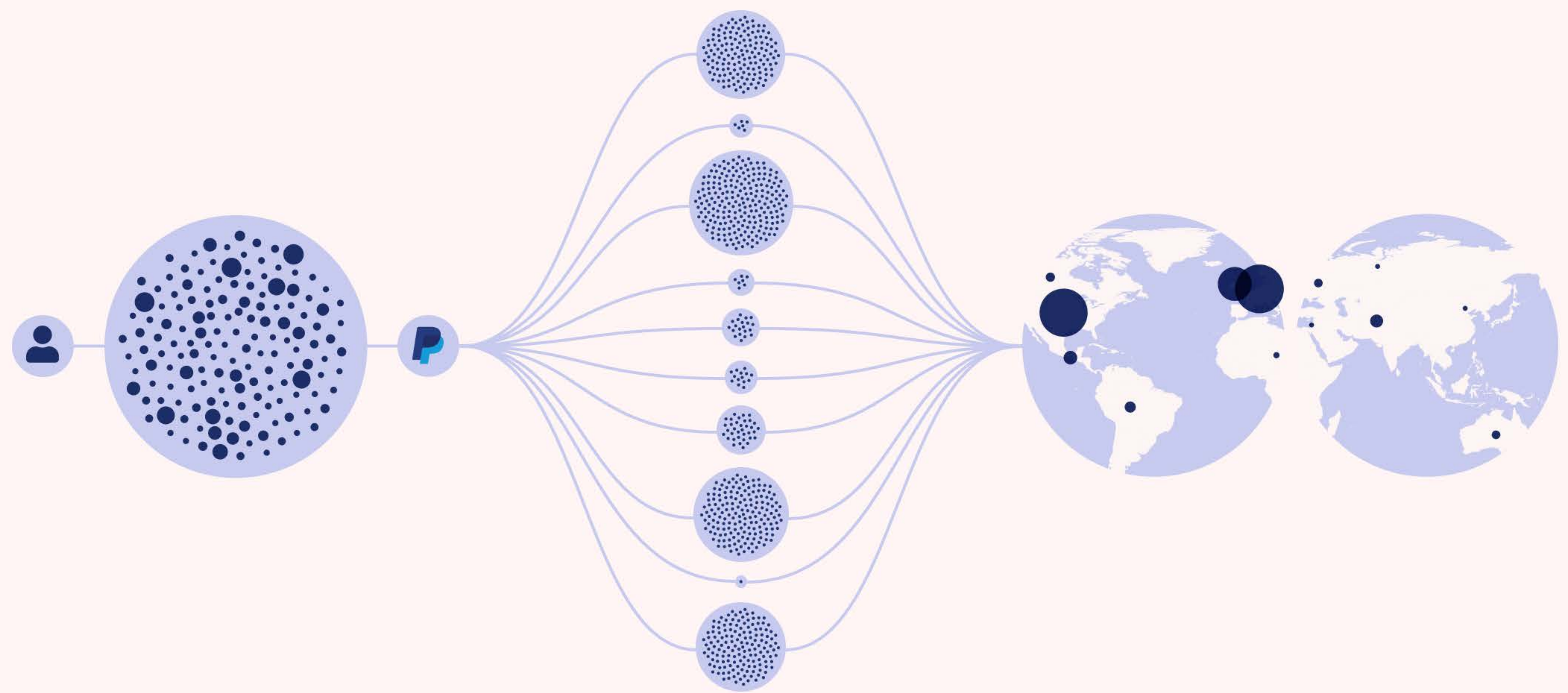
- ─ 50% advertising market in Austria
- ─ 30% Apple AppStore
- ─ 10-20% AirBnB or Booking
- ─ 20% Amazon





Source: Getty Images

Data shared by PayPal with 3rd parties



33%

GLOBAL CLOUD INFRASTRUCTURE

Privacy and the history of the Internet

Web 1: free

Web 2: platform

Web 3: token

(USA Senator) Blumenthal described Big Tech's impact on the local media ecosystem:

"It is literally eating away at the lifeblood of our democracy."

Data for good

Democratize data, digital universal basic
income, tokenization (blockchain)

Legal frameworks
Organizational models
Capital
Diversity
Education
Control mechanisms

GDPR

Right to be forgotten
Data sovereignty

data portability, penalties, right to access, privacy by design

Privacy by Design

Artificial Intelligence

What happens when our computers
get smarter than we are?

Nick Bostrom

Artificial Intelligence is a technology that enables machines to simulate human behavior, which implies that for its construction programming algorithms, social science and the philosophy of ethics are equally important.

Sabine Seymour (Forbes Magazine, 2022)

Data Ethics (Or the new one ...) Responsible AI

People get value from their data and set the agenda on how it is used



For **organisations**, the ethical use of data is always the most attractive option

NPR

'New York Times' sues ChatGPT creator
OpenAI, Microsoft, for copyright infringement

Women in AI

(or forgotten by the New York Times)

Kate Crawford. Rumman
Chowdhury. Dr. Joy Buolamwini.
Kanene Ayo Holder. Tarja
Stephens. Timnit Gebru. Mia Shah-
Dand. Dr Lollie Mancey. Nita
Farahany.

Algorithmic bias in code

Sabine Seymour (2021 Forbes Magazine)

when algorithms produce discriminatory outcomes

Code is law

Lawrence Lessig (2000 Harvard Magazine)

Lessig asserts that code written by software engineers will provide the rules of interaction and embody value judgments that will set rules for how broader society interacts in cyberspace.

Generative AI & LLM

Open or closed

Llama2 or ChatGPT, Gemini
or ... the conversation continues

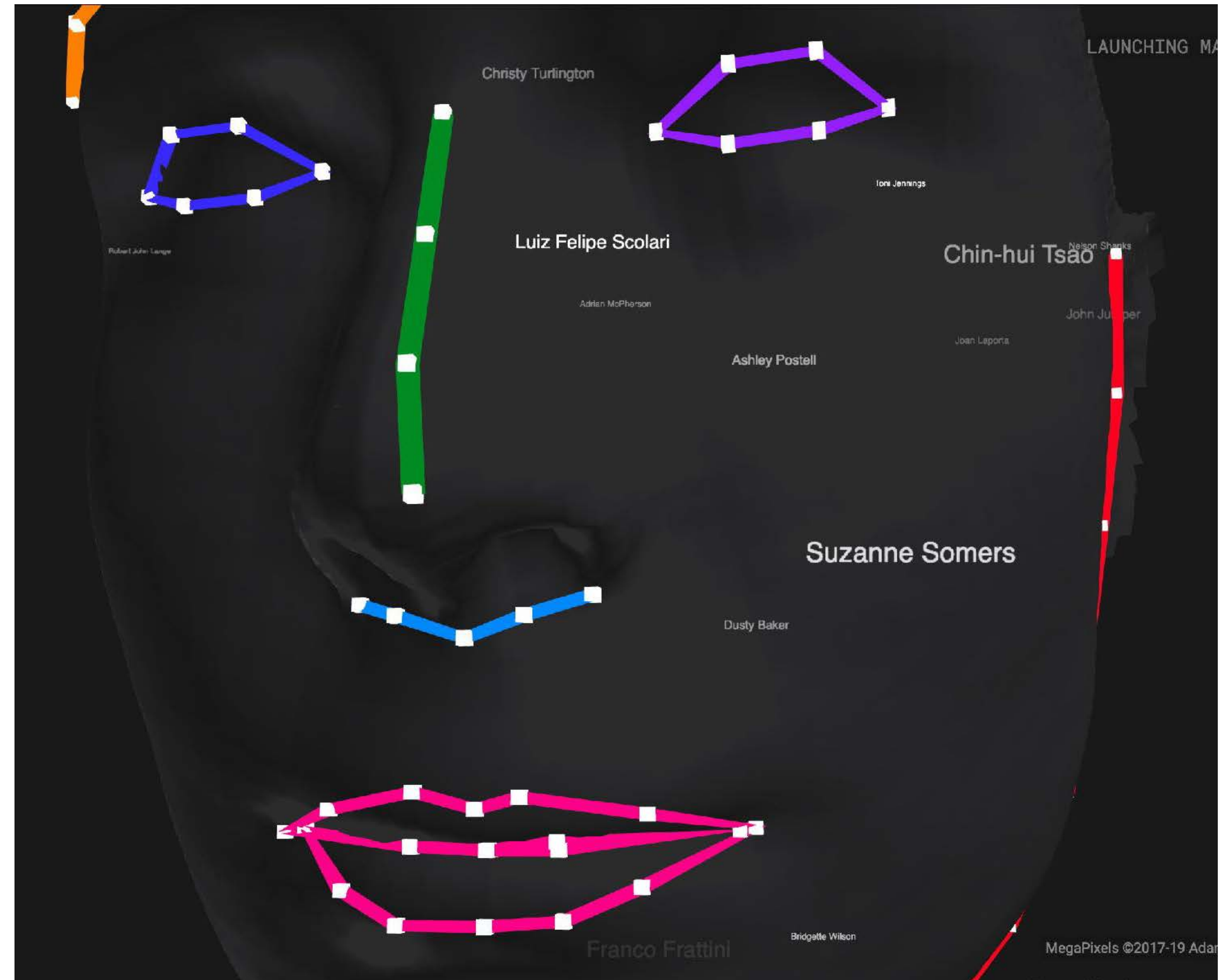
1.3%

INTERNATIONAL ENERGY AGENCY

AI Act



Daito Manabe



Adam Harvey

<https://megapixels.cc/>

DATA SECURITY

Ransomware
Phishing



Biometrics as security

Credit: Sonja Bäuml

Participatory organizational models

Regenerative Economy

Residual Materialism: Mapping Silicon Valley's Toxic Legacy

MOONDIAL + SUPA + PONY
EARTH

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