Public Stack

@waag
sander van der waal | @sandervdwaal
The internet is broken...
Getting DDoS'd by my cats - whose dumb idea was this cat flap?

Finally, a speaker that holds my toothbrush. Whatever
Richard W @richardoflidn - Jan 27
@internetofshit so my office machine has logged out. We don't auth to use it normally, so no coffee today. Also, 'coffeecloud'??

Internet of Shit @internetofshit
this elevator needs its SD card formatted and i think i'll be taking the stairs

Rory Sutherland @rorysutherland
I promise I am not making this up. I have just been asked to upgrade the firmware for my new toilet.
New AI can guess whether you're gay or straight from a photograph

An algorithm deduced the sexuality of people on a dating site with up to 91% accuracy, raising tricky ethical questions.

What Happens When Employers Can Read Your Facial Expressions?

The benefits do not come close to outweighing the risks.

By Evan Seminger and Woodrow Harling

Dr. Seminger is a professor of philosophy. Dr. Harling is a professor of law and computer science.

Don't look now: why you should be worried about machines reading your emotions

Machines can now allegedly identify anger, fear, disgust and sadness. ‘Emotion detection’ has grown from a research project to a $20bn industry.
New AI can guess whether you're gay or straight from a photograph.

An algorithm deduced the sexual orientation of a person with up to 91% accuracy, raising tricky ethical questions.

What Happens When Machines Read Your Facial Expressions?

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Oct. 07, 2019

FALSE CLAIMS
California bans law enforcement from using facial recognition software for the next 3 years

San Francisco Bans Facial Recognition Technology

Google favors temporary facial recognition ban as Microsoft pushes back

Facial recognition: EU considers ban of up to five years
California bans law enforcement from using facial recognition software for the next 3 years.

San Francisco Bans Facial Recognition Technology.

Google favors temporary facial recognition ban as Microsoft urges EU to consider long-term ban.
Ethics washing
(Thomas Metzinger)

Organizing and cultivating ethical debates in order to delay, postpone, avoid, deter from, or substitute for policy making and regulation.
... but we can fix it
There is no silver bullet
Beeld: Kate Raworth, Doughnut Economics
Ruined by Design
How Designers Destroyed the World, and What We Can Do to Fix It
Mike Monteiro
Foreword by Vivienne Castillo
bescherm, reguleer, verbied, beboet
Public Stack

- **citizen**
  - application/service
  - data
  - identity

- **open tech**
  - standard /protocol
  - operating system
  - firmware
  - hardware
  - infrastructure

- **commons**
  - nature
  - labour
  - policy
  - sustainability model
  - governance
  - values

- **application**
  - open/public
  - accountable
  - non extractive
  - data minimalisation
  - society in control
  - fair & sustainable
  - relational (not transactional)
Public Stack

citizen

open tech

commons

Application/services
Data
Identity
Standards/protocol
Operating system
Firmware
Hardware/infrastructure
Natural resources
Human resources
Policy
Business model
Governance
Values

Accountable
Are the users of your service verified and can the provenance of content be fully disclosed?
Does your service offer the highest possible guarantee of protection of data—both of content and users?
Does your service hold or own any personal data of its users?
Is the governance of your service bound by the founding statutes that guarantee independence of commercial and political influences?

User centric
Does your service employ ‘privacy by design’ as a basic design principle?
Does your service use the tenets of the ‘Time well spent’ movement as guidelines for any implementation?

Transparant
Is the governance of your service fully reviewable?
Is the technology of your service reviewable and accessible?

Open
Does your service operate independently from any government, commercial or particular political influence?
Is your service equally accessible to any person, network or organisation?

Sovereign
Users are not products—is the wellbeing and empowerment of your users a primary concern?
Do your users have full control over their personal data, their context and interactions?
Elinor Ostrom’s design principles for the commons

1. Define clear group boundaries
2. Match rules to local needs and conditions
3. Those affected can participate in rule-making
4. Rules are respected by outside authorities
5. Members monitor each other’s behaviour
6. Use graduated sanctions for rule violators
7. Accessible means for dispute resolution
8. Nested commons for interconnected systems

- Commons are **shared resources**, managed and maintained by a **community** on the basis of mutually agreed and enforced **rules**.
Public Stack

farmer
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- identity
- standards /protocol
- operating system
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FARMHACK

DATASPRINT ‘SENSOREN & BOERENVERSTAND’

14/06/2019

photo credits Gemeente Lochem
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Fairphone
Digital identity

open/public/accountable
decentralised
data minimalisation / attribute based
society in control
non extractive / non for profit

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Citizen
Open Tech
Commons

Remember when, on the Internet, nobody knew who you were?
Brave governance policy standards / protocol values hardware/infrastructure business model data application/services operating system firmware natural resources human resources policy business model governance values citizen open tech commons Brave the new internet Get ready to enjoy a faster and more secure browsing experience with a browser built to protect your privacy.
What would a Public Stack for Development look like?
What would a Public Stack for Development look like?