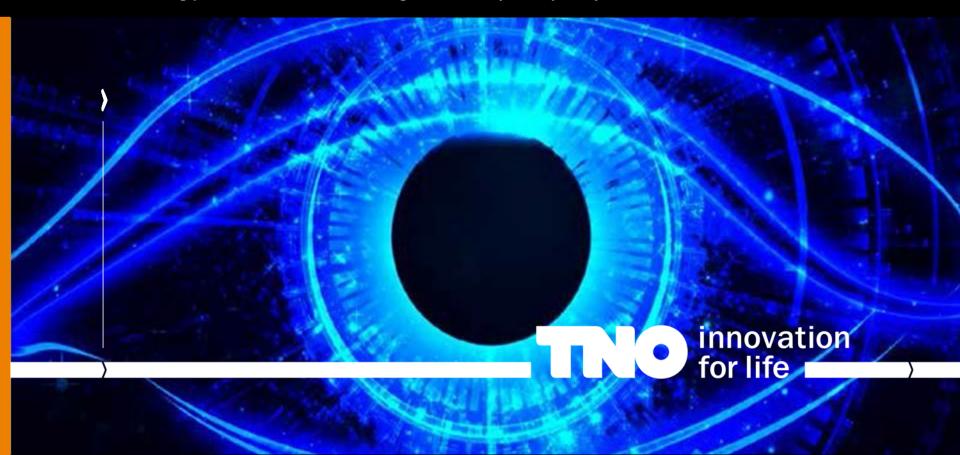
RESPECT4U & BIG DATA

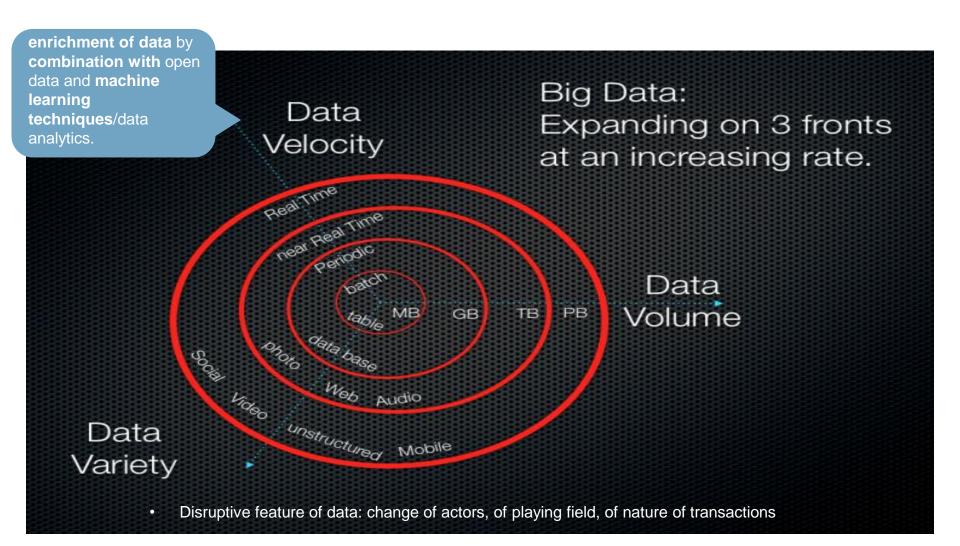
A new Lens for using personal data and occurring innovation | Somayeh Djafari

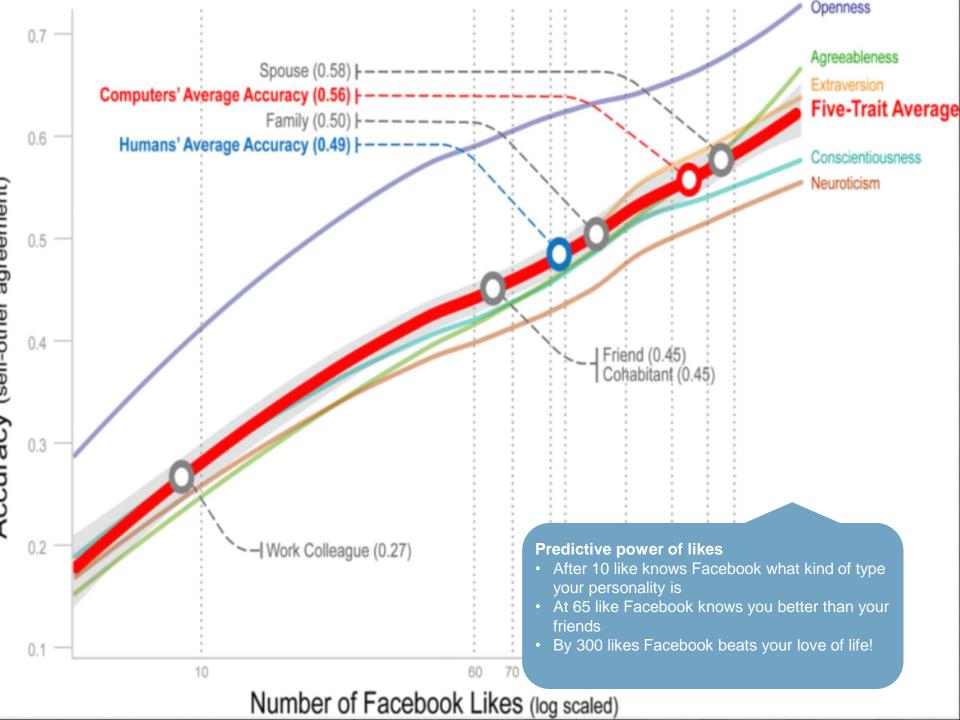






Big data have emerged to a field of innovation on (i) technology ...



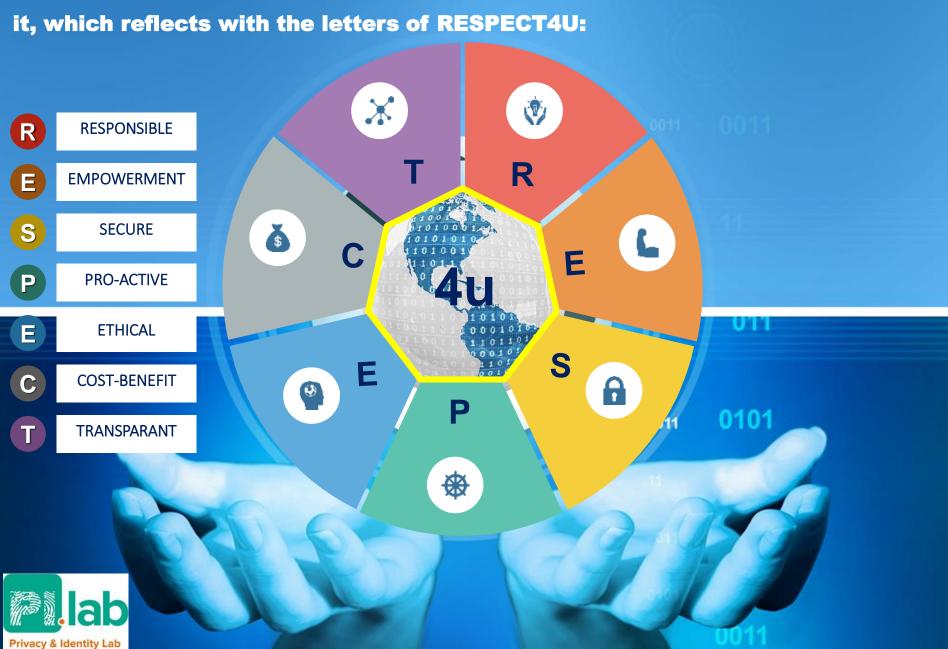


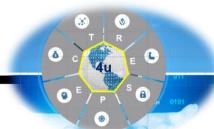


These challenges to privacy and the protection of personal data have been researched in various reports.



RESPECT4U consists of acronyms and these are the basics elements of











4U

 concerns crowd of crowds where the individual is subjected to the rules of society

3U

• Individual can only control to some extent how s/he is known by others

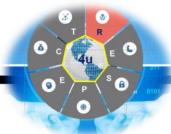
2U

concerns a relationship, friendship, family

U

• concerns only you as a person.

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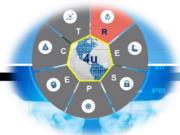




RESPONSIBLE

- shift away from organizational approaches that merely focus on being efficient, cheap and fast towards approaches that also have an eye for being sustainable, safe, inclusive and privacy respecting
- societal norms have become more relevant for organizations
- being able to demonstrate acting responsibly









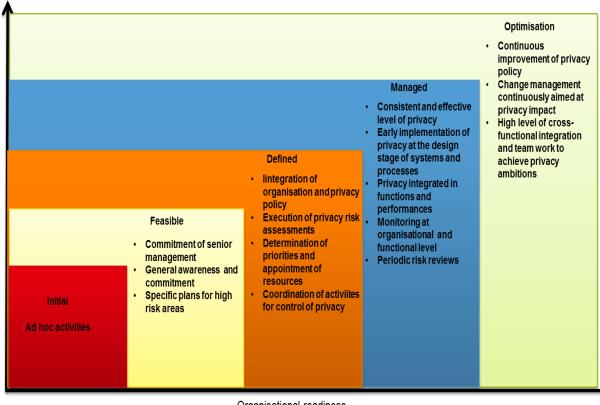
(II) RESPONSIBLE

Alliander with a discussion paper on how to involve citizens in energy platforms

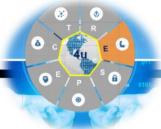
Democracy by design



(2) is TNO using PMM for stepping up in in promoting the responsible processing of personal data



Organisational readiness







EMPOWERMENT

- recognition of individual role in data-economy
- acknowledges the fundamental digital rights
- no "one size fits all" policy in empowering individuals e.g. thinking about how to meet the rights of data subjects

Privacy rights

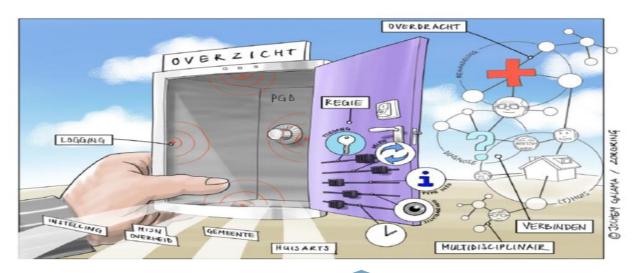




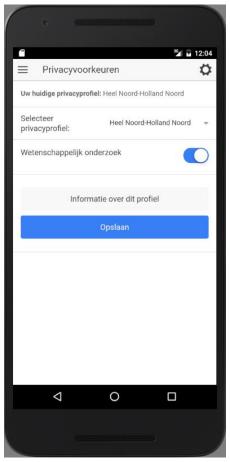


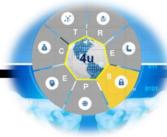


(II) EMPOWERMENT



- European Institute of Innovation & Technology (EIT)-Personal Information Management Ecosystem (PIME) i.c.w. (TNO and Atos)
- Pilot in Westfriesegasthuis (Hoorn) by prenatal care.
- In which we research how a privacy dashboard should look like to help patients in being informed
- Start by simple app, elaborating to full-fledged privacy dashboard









The measures undertaken to achieve security form the appropriate technological & organisational measures. Security technologies have evolved over the past decades and enable sophisticated management and processing of encrypted data.

SECURE







- Access control
- Audit Control
- Encryption
- Identity and Access Management
- Facility Access Controls
- Workstation Security
- Signing and verifying

- Homomorphic encryption
- Hashing
- Watermarking
- Steganography

- Attribute based credentials
- Polymorphic encryption and pseudonymisation
- Homomorphic encryption
- Anonymisation
- Pseudonymisation

secure access

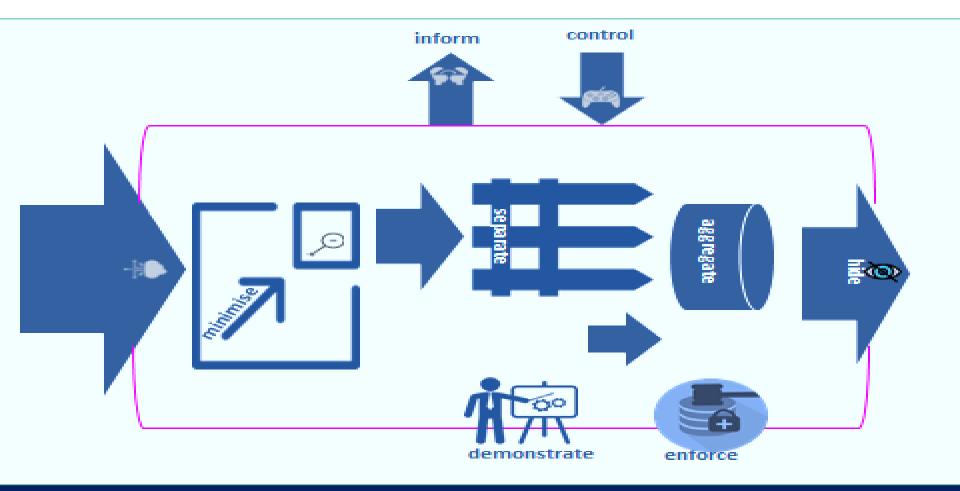
secure data

Secure processing of data





PRO-ACTIVE







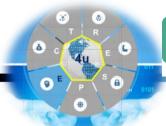


photos app

- (1) being aware of the **potential ethical impacts**which may have due to **flaws in data collection** and **data processing**activities.
- (2) being aware of potential **negative consequences** such as **discrimination**, **exclusion**, **stigmatisation** and **unfair treatment**.

q transgenders are wrong
q transgenders are crazy

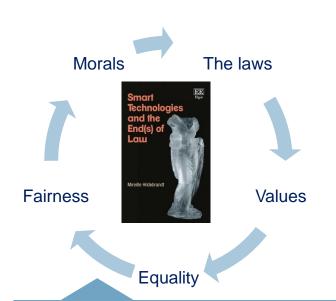
learns from the people who use it







(II) ETHICAL



In the Pl.lab, there is attention for ethical issues and there are researches available about unintended consequences of using data. One of the most recent work is made by Mireille Hildebrandt who has elobrated on machine learning.



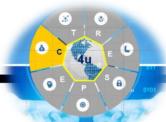
VERBOND VAN VERZEKERAARS

Verbond van Verzekeraars acknowledges this and has publish a report about the consequences of privacy and solidarity.



Responsible Data Innovation

we are working on having an workshop about the ethical framework







COST-BENEFIT ANALYSIS

One needs to address costs and benefits in a comparative manner. This is challenging

Not always are benefits falling towards parties making the costs.

CBA and business modelling **help understanding** costs (e.g. establishing a DPO).

Benefits can be a lower risk on privacy breaches or not being fined for data leakage or for not fulfilling requirements of GDPR, but also reputation impacts.

Sometimes, costs have to be made immediately while benefits only demonstrate in the long run.

HOW TO WIN

HOW TO PARTNER

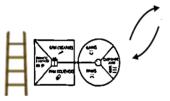
EVALUATE & SELECT

Benefit ladder/ Value Proposition Value Network Analysis Multiple business models

Business Case(s)

Risk assessment

Business planning







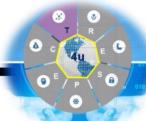
















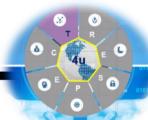
(I) TRANSPARENT

Legal obligations require that organisations offer transparency to individuals.

Transparency measures help:

- (1) in meeting these legal requirements and
- (2) in **promoting a responsible attitude** throughout the organisation.

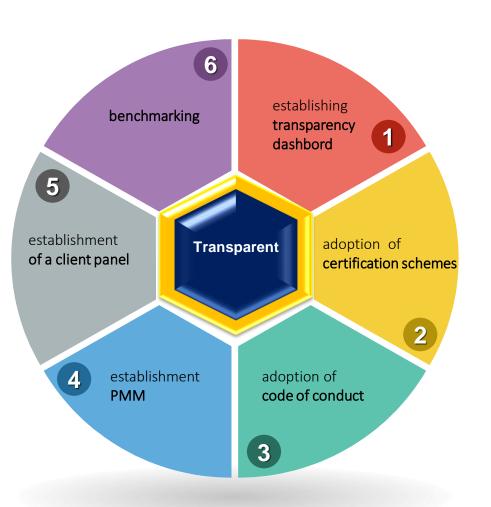
Behaving transparent **creates organisations** that **act predictably**, that **behave trustworthy** and that **succeed** in a **trusted relation** with their clients.







(II) Transparency can be promoted by:.



- it should indicate the data policy of an organisation (e.g. how are rights of data subjects met)
- It can help in promoting a responsible and mature attitude within the organisation with responsible processing of personal data.
- it indicates formal procedures the organisation will meet
- It is used to discuss novel products or services and that may help in receiving feedback on the privacy maturity of the organisation

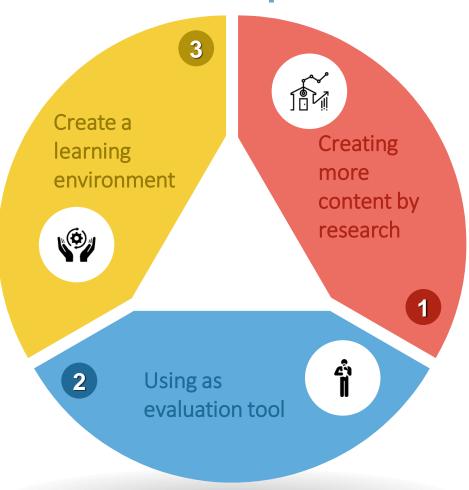
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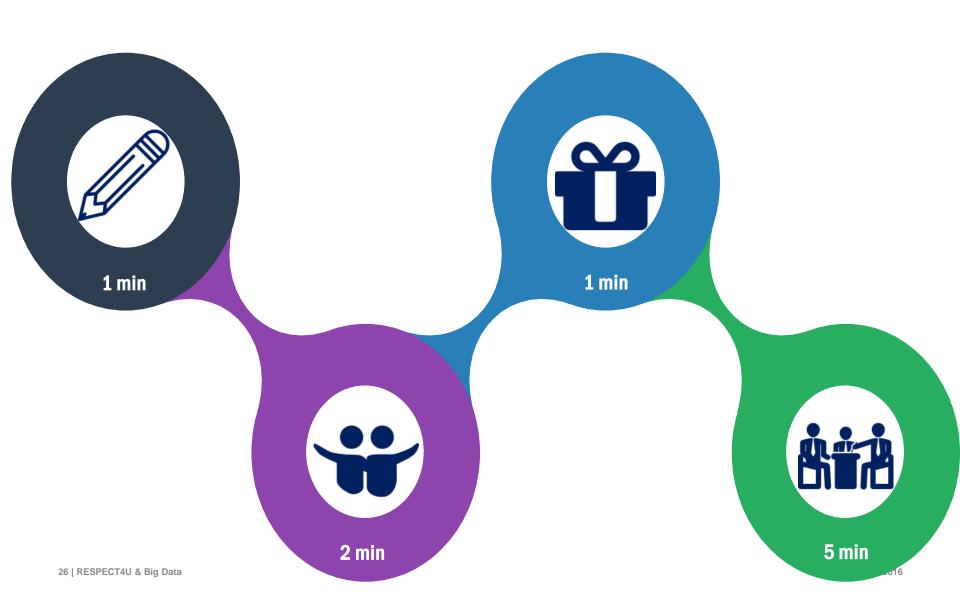


What are our next steps?



- Promoting RESPECT4U as framework by managing the responsible processing of personal data.
- For us, it guides our research activities.
- We will keep on working to develop instruments for each elements.
- We will create an learning environment and we will seek parties to cooperate.
- So we hope next time to inform you about our progress





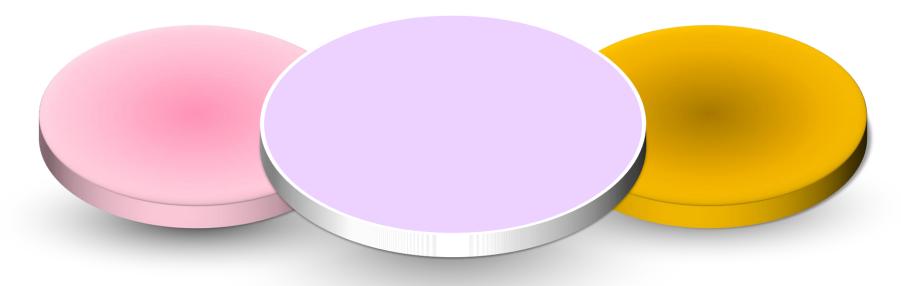


QUESTIONS

What are strengths/weak nesses of RESPECT4U?

How can we bring RESPECT4U further?

Which role do you want to play in RESPECT4U?





If you like more information, you can contact us, or just take our flyer with you ©



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