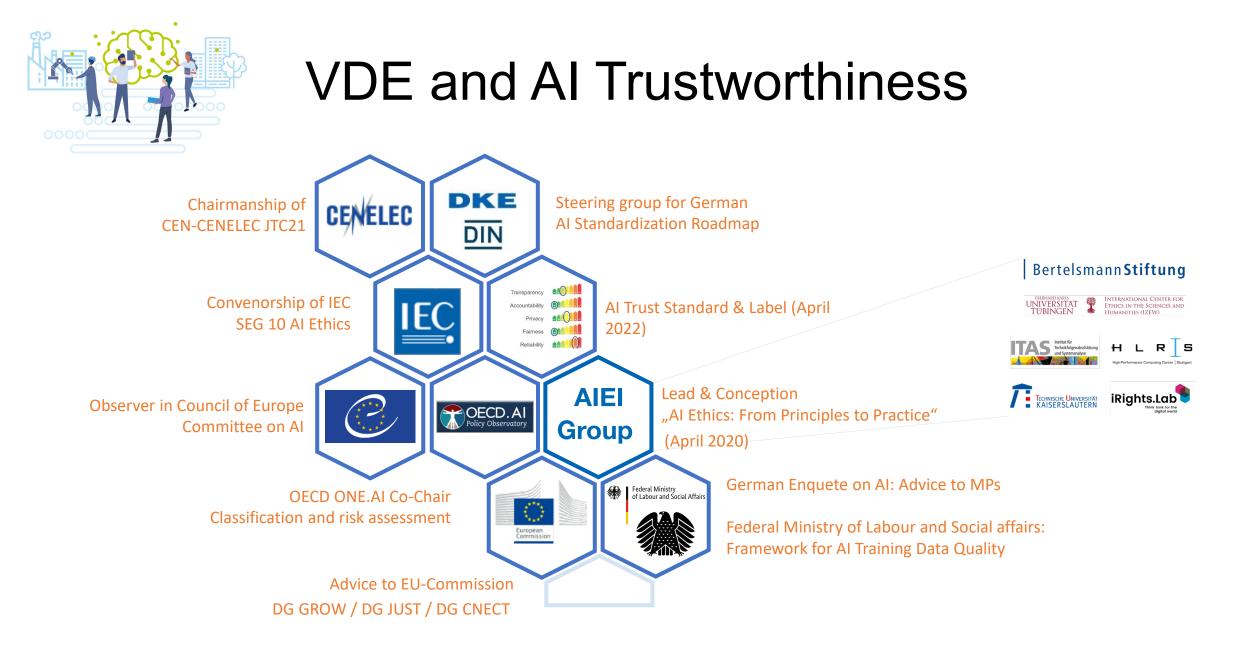




How standardisation brings Al trustworthiness into practice

Dr Sebastian Hallensleben

Head of Digitalisation & AI at VDE e.V. Chair CEN-CENELEC JTC 21 Co-Chair OECD ONE.AI WG Risk Assessment UNESCO Expert Group on AI Ethics





Broader perspective: from AI Ethics to AI Quality

Al Quality Summit 02. November 2022 near Frankfurt Airport

Registration: www.ai-q.de





Hessische Staatskanzlei Hessische Ministerin für Digitale Strategie und Entwicklung





The big challenge

Operationalise AI Ethics with an approach ...

- ... that is viable for industry, regulators and consumers / citizens
- ... and that makes ethics measurable and enforcable



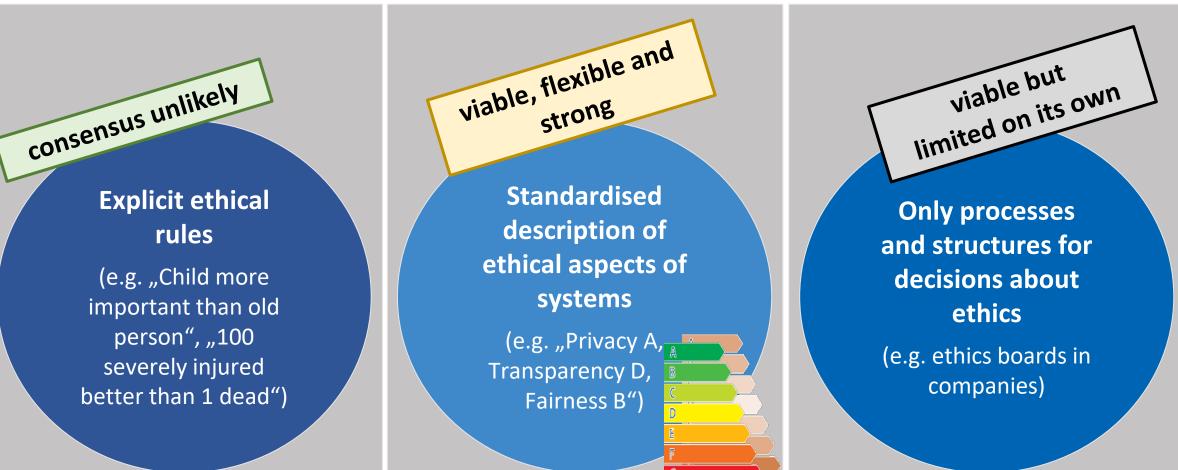
Why standardisation is the right approach

Standardisation =

- 1. Building consensus among all relevant stakeholders
- Formulating this consensus in a concrete, specific, practically useful way



How to handle AI Ethics through standardisation





Approach: A standardised "label" / "short datasheet" that can be attached to AI products





- ✓ provides **positive differentiation** in the marketplace
- ✓ ensures fair competition
- ✓ promotes consistency with **organisational and societal values**
- ✓ facilitates **compliance** with regulation
- ✓ supports policymakers in **minimising red tape**



European and international standardization



CEN-CENELEC Focus Group for Artificial Intelligence



- Roadmap report October 2020
- IEC SEG 10 Ethics in autonomous and artificial intelligence applications



Final report July 2021



Al Ethics Impact Group www.ai-ethics-impact.org

Bertelsmann Stiftung



INTERNATIONAL CENTER FOR ETHICS IN THE SCIENCES AND HUMANITIES (IZEW)

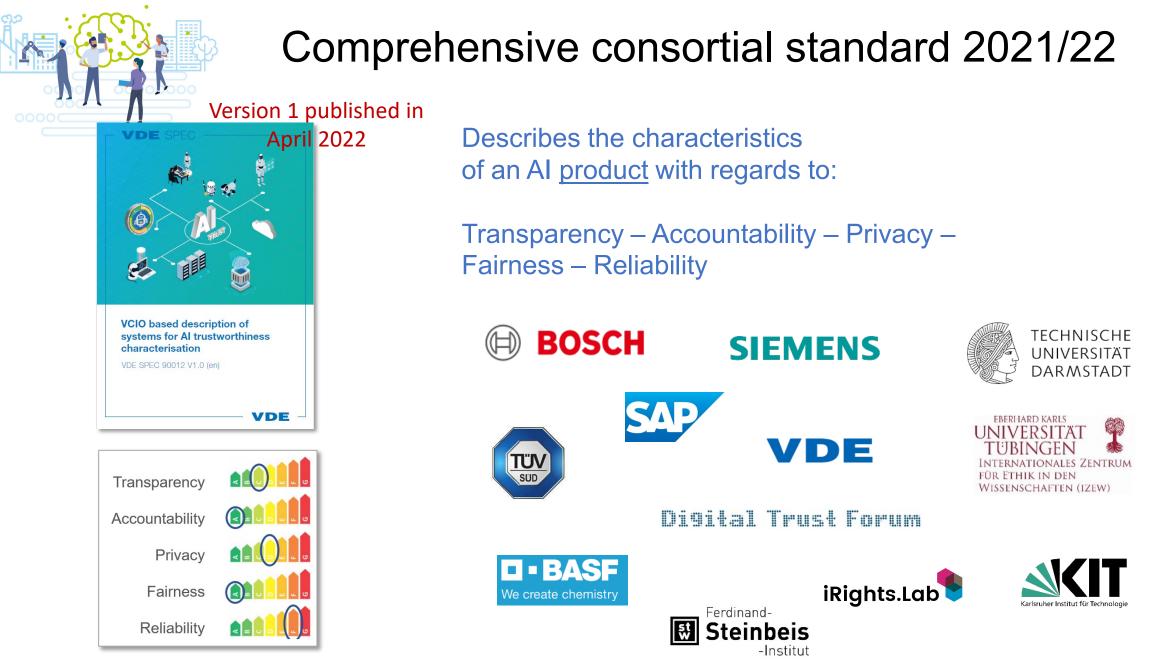












www.linkedin.com/in/sebastianhallensleben

sebastian.hallensleben@vde.com



Questions:

1. Which categories do we include?





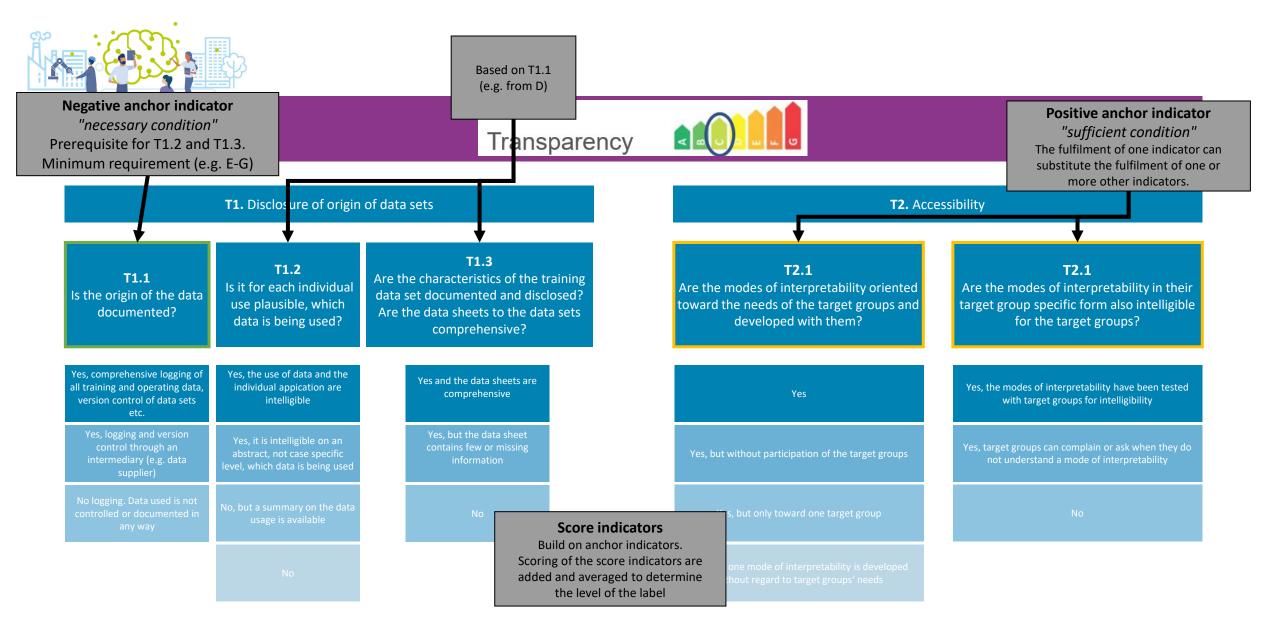
privacy protection	17
accountability	17
fairness, non-discrimination, justice	17
transparency, openness	15
safety, cybersecurity	15
common good, sustainability, well-being	15
human oversight, control, auditing	12
explainability, interpretabiliy	10
solidarity, inclusion, social cohesion	10
science-policy link	10
legislative framework, legal status of AI systems	9
responsible/intensified research funding	8
public awareness, education about AI and its risks	8
future of employment	8
dual-use problem, military, Al arms race	7
field-specific deliberations (health, military, mobility etc.)	7
human autonomy	7
diversity in the field of Al	6
certification for AI products	4
cultural differences in the ethically aligned design of AI systems	2
protection of whistleblowers	2
hidden costs (labeling, clickwork, contend moderation, energy, resources)	1

- transparency
- justice
- accountability
- privacy
- reliability/safety
- environmental sustainability



Questions:

- 1. Which categories do we include?
- 2. How can we measure transparency, accountability, etc.?
- 3. ...





Questions:

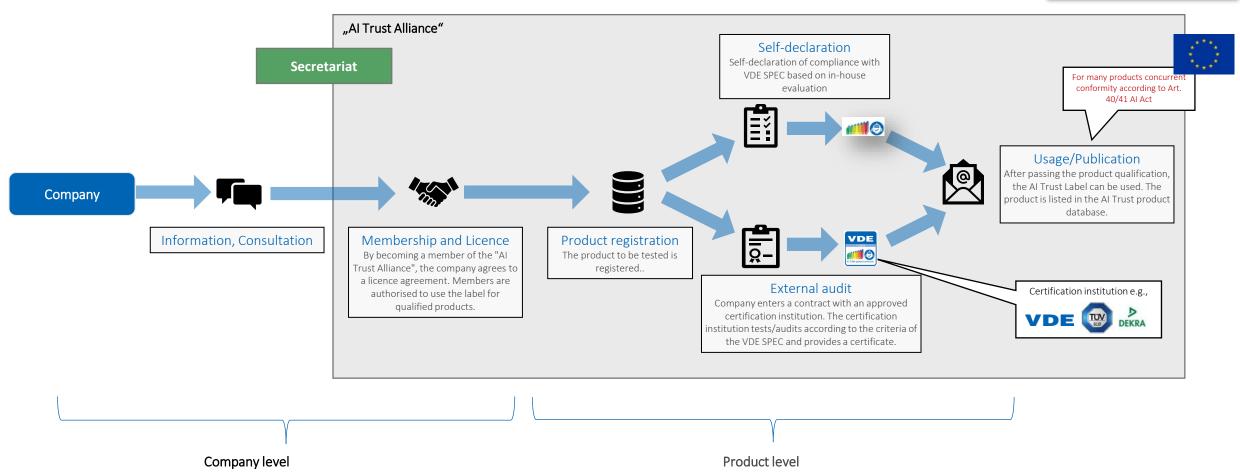
- 1. Which categories do we include?
- 2. How can we measure transparency, accountability, etc.?
- 3. What levels are acceptable in a given application?





AI Trust Standard & Label from a company perspective





sebastian.hallensleben@vde.com



Towards a European approach



Combining complementary work metrics – tools – governance









Reminder: AI Quality Summit | 02. November 2022 Frankfurt Airport | Registration: www.ai-q.de