



HSbooster.eu
Horizon Standardisation Booster

AI Standardisation and general aspects of AI for People with Disabilities

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Persons with Disabilities: Numbers

- 253 million people are affected by some form of blindness and visual impairment. This represents 3.2% of the world's population. That's twice Mexico's population
- 466 million people have a disabling deafness and hearing loss. This represents 6% of the world's population, that is to say all of the inhabitants of the European Union!
- About 200 million people have an intellectual disability (IQ below 75). This represents 2.6% of the world's population. It covers the number of inhabitants in Brazil!
- 75 million people need a wheelchair on a daily basis. This represents 1% of the world's population. That's twice Canada's population!

Source: <https://www.inclusivecitymaker.com/disabled-people-in-the-world-in-2021-facts-and-figures/>

Possible solutions

- Customizing and automatic re-engineering of websites
- Automated image descriptions – ALT-textes
- Automatic captioning
- Sign language avatars
- Translation into simple language
- Augmented Reality for people with limited mobility
- Learning - for people with dyslexia and learning difficulties
- Robots for care
- Smart home, smart cities
- Wearables for mobility, orientation
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Problems

- Accessibility and Usablility (Design4All)
- Interoperability and standardization
- Discrimination over data, Bias
- Blackboxing
- Privacy and Security
- Affordability
- Digital Skills - Digital Gap
- Trustwortyness
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Trustworthiness

- Lawful
 - Ethical
 - Human agency and oversight
 - Technical robustness and safety
 - Privacy and data governance
 - Transparency
 - Diversity and non-discrimination
 - Societal and environmental wellbeing
 - Accountability
 - Robust
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Guidelines/Links

Ethics Guidelines for Trustworthy AI:

<https://ec.europa.eu/futurium/en/ai-alliance-consultation.1.html>

Join Futurium:

<https://futurium.ec.europa.eu/>

ALTAI- Assessment List for Trustworthy Artificial Intelligence:

<https://futurium.ec.europa.eu/en/european-ai-alliance/pages/welcome-altai-portal>



Thank you

Contact me

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