



AI in Public Administration and Government: Benefits, challenges and risks

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European Commission, JRC

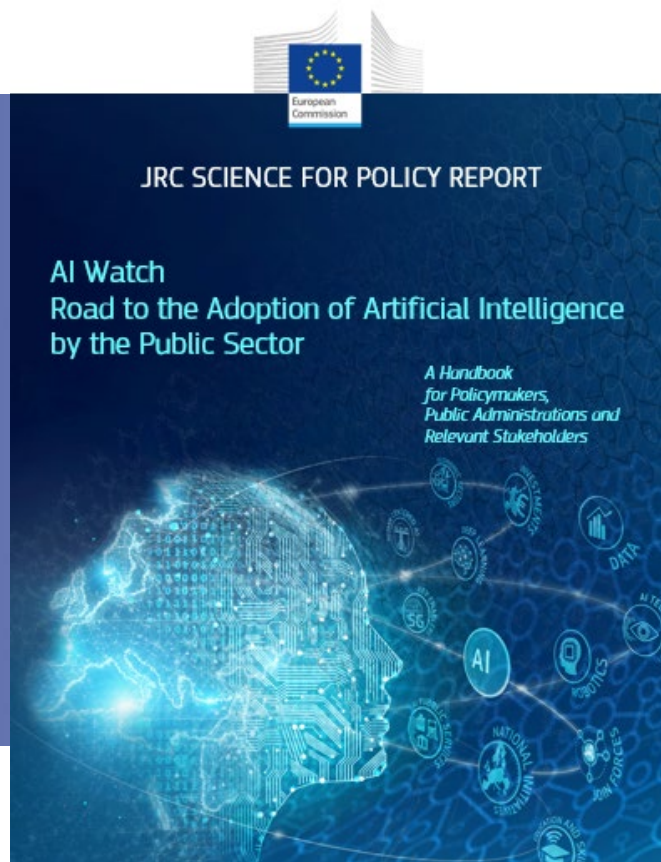
*13 October 2023
Dublin*

Agenda

- Recap from the Ljubljana meeting
- AI Benefits
- AI Challenges
- AI Governance
- Questions



AI in the Public Sector: JRC research



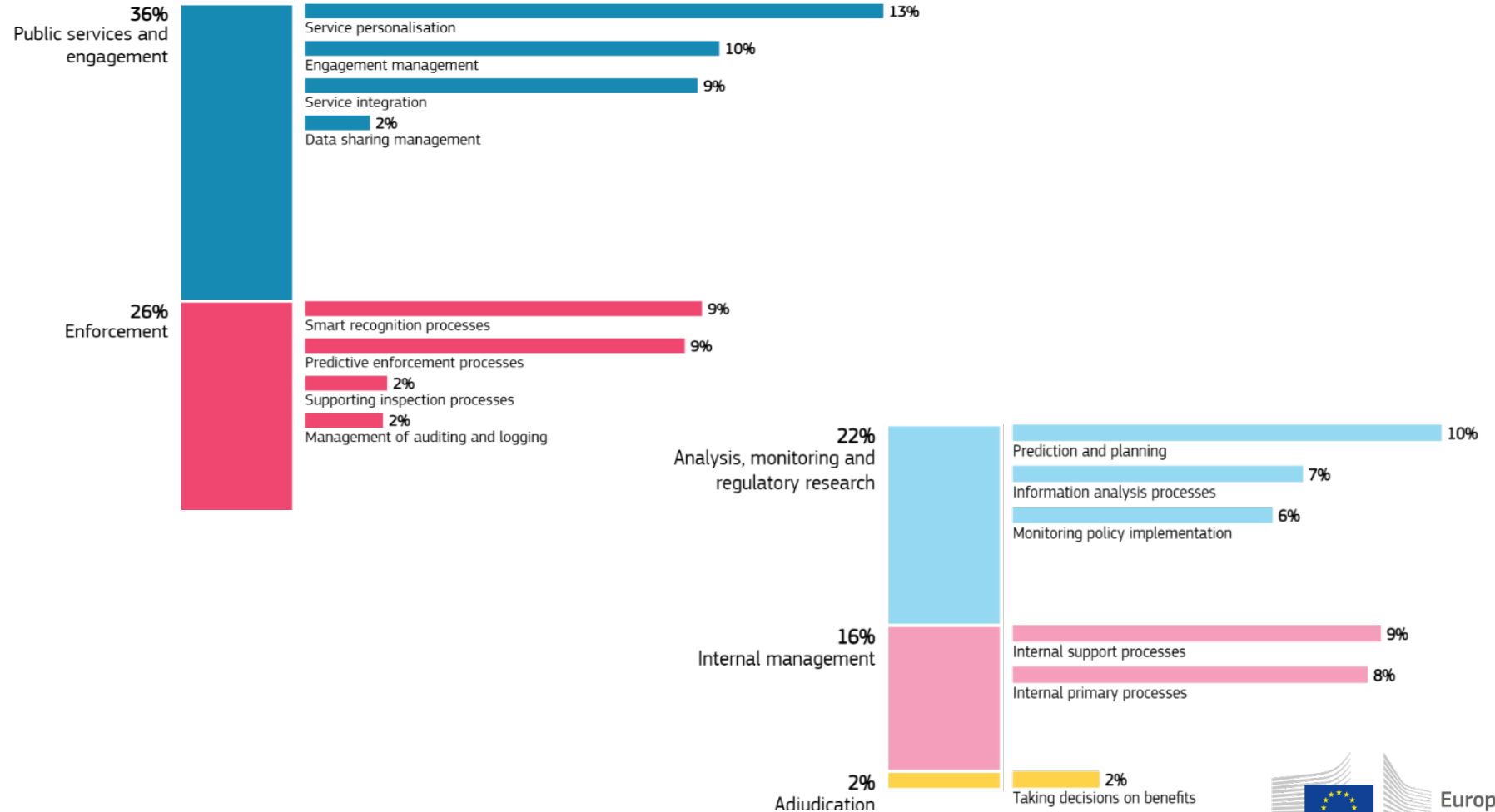
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AI is used for many different processes

Benefits

Challenges

Governance

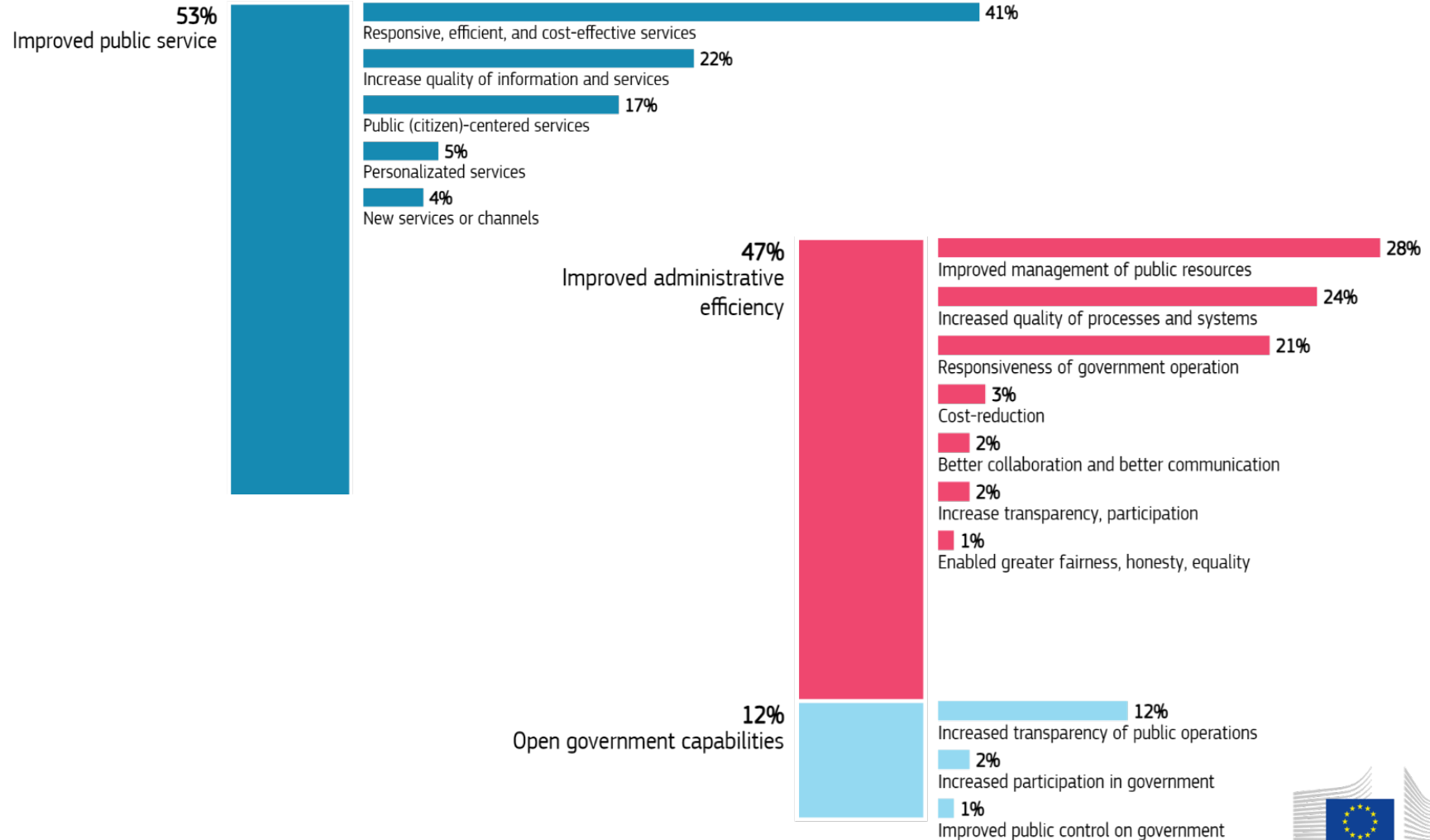


AI can improve public service delivery and efficiency

Benefits

Challenges

Governance

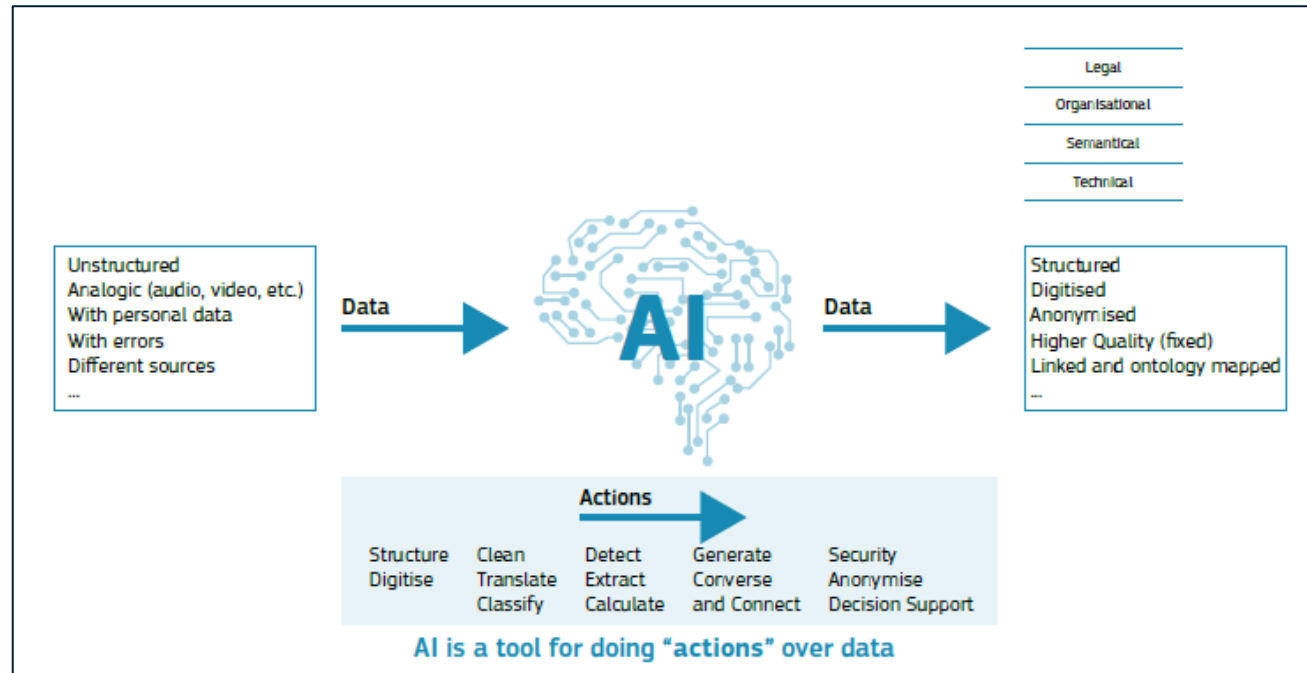


AI as a tool to enhance interoperability

Benefits

Challenges

Governance



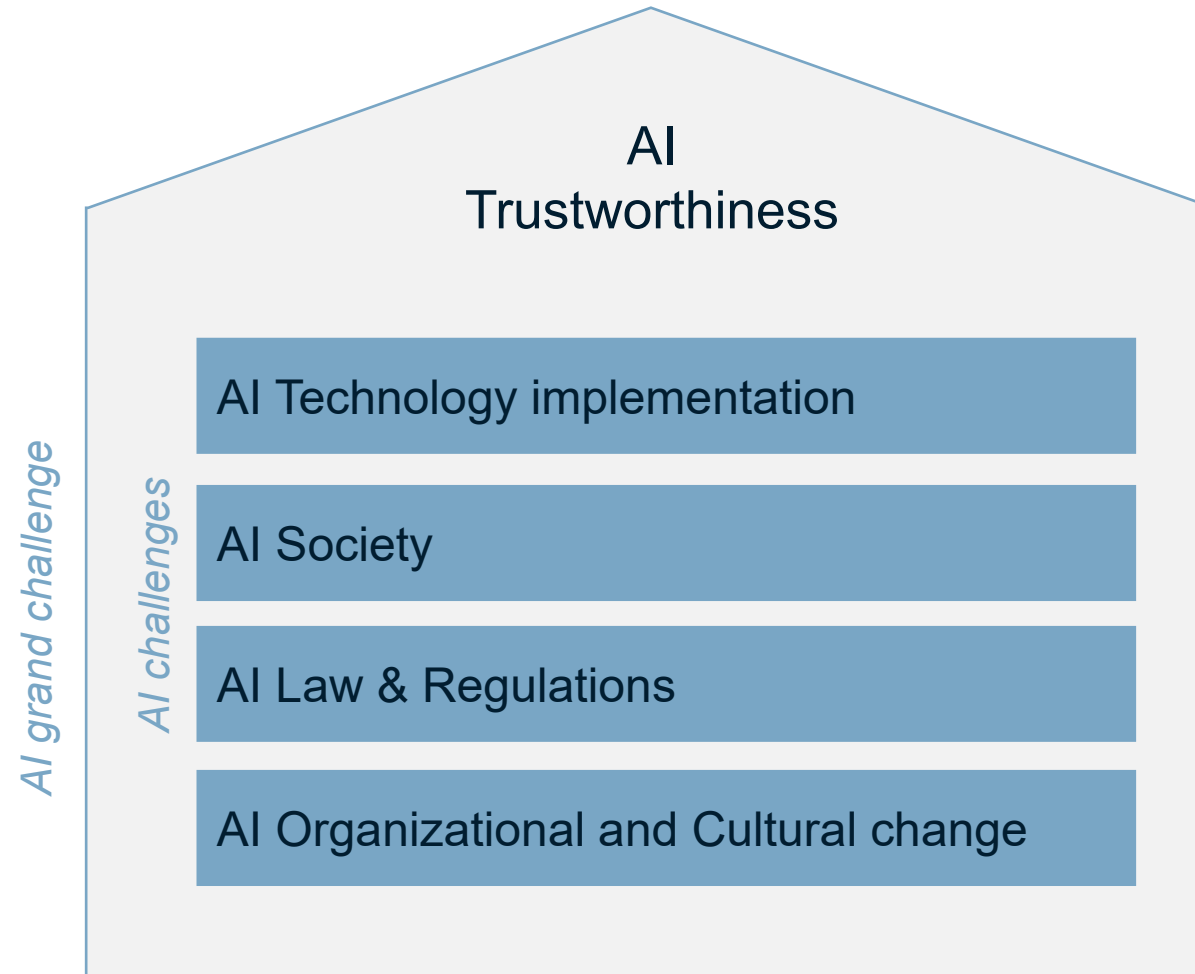
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Need of trustworthy AI

Benefits

Challenges

Governance

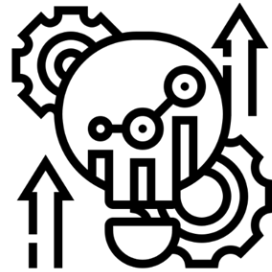


Challenges changes over time

Benefits

Challenges

Governance



Development /
piloting

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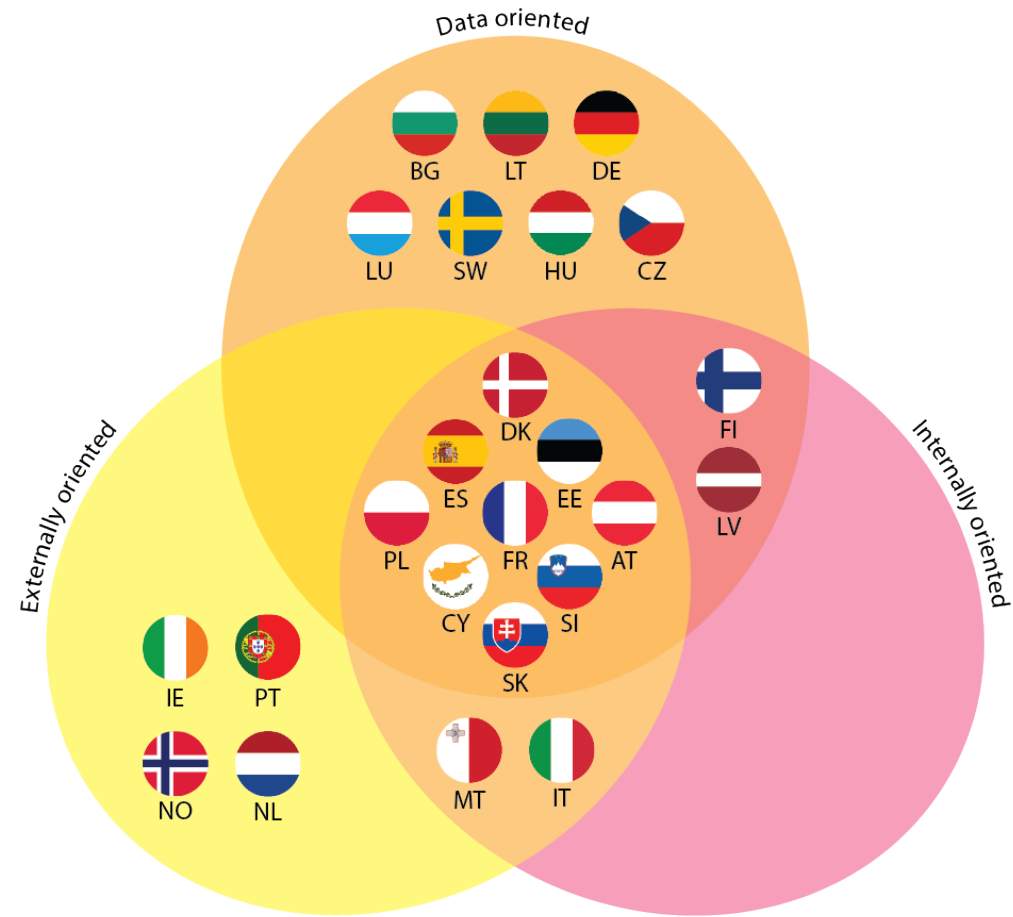
Use

Governance of AI: Strategies are essentials

Benefits

Challenges

Governance



Governance of AI: Risk management approach

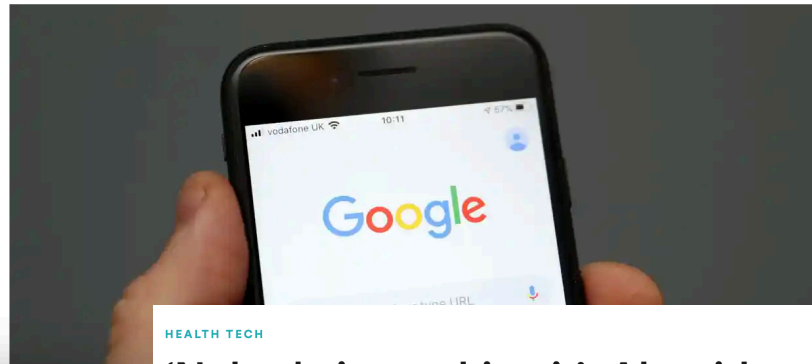
Benefits

Challenges

Governance

Doctors fear Google skin check app will lead to 'tsunami of overdiagnosis'

There are nearly 10bn Google searches for skin, nail and hair issues each year, prompting the tech giant to create a 'dermatology assist tool'



HEALTH TECH

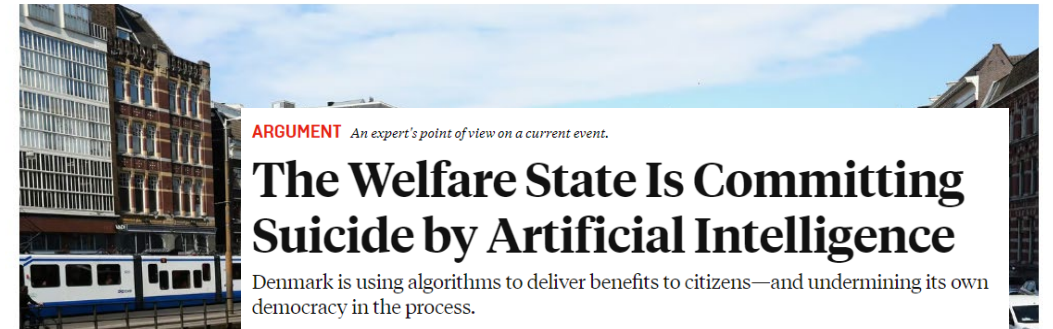
'Nobody is catching it': Algorithms used in health care nationwide are rife with bias



By Casey Ross June 21, 2021

Dutch scandal serves as a warning for Europe over risks of using algorithms

The Dutch tax authority ruined thousands of lives after using an algorithm to spot suspected benefits fraud – and critics say there is little stopping it from happening again.



By Jacob Mchangama, CEO of The Future of Free Speech, and Hin-Yan Liu

STAT+

$$6x^2 + 8x + 3x + 4$$

$$2x(3x+4) + 1(3x+4)$$

Reprints

Governance of AI: Risk management approach

Benefits

Challenges

Governance

Doctors fear Google skin check app will
lead to 'tsunami of overdiagnosis'

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Health



Safety



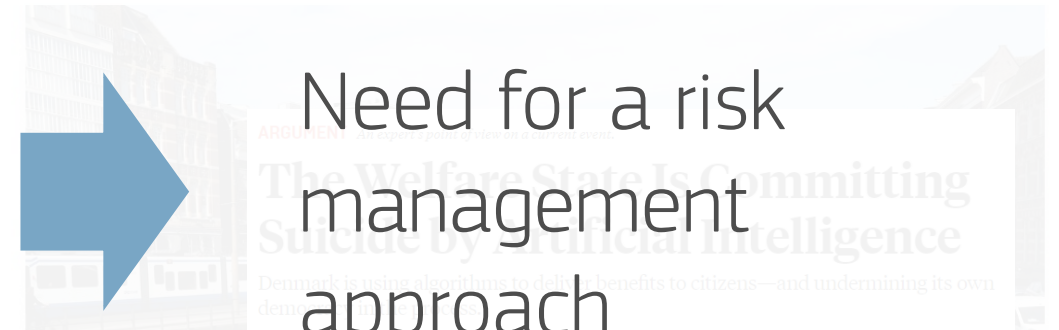
Fundamental rights

'Nobody is catching it': Algorithms used in health care nationwide are rife with bias

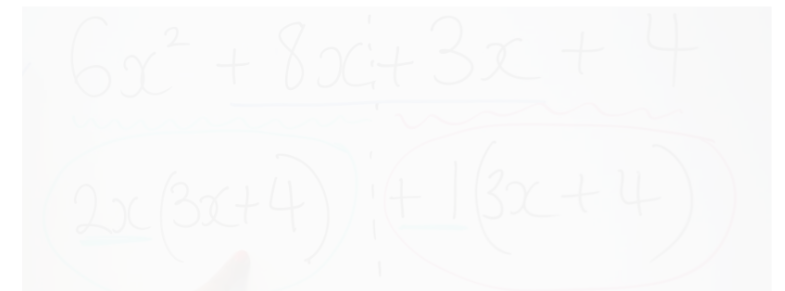
By Casey Ross | June 21, 2021

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Need for a risk management approach



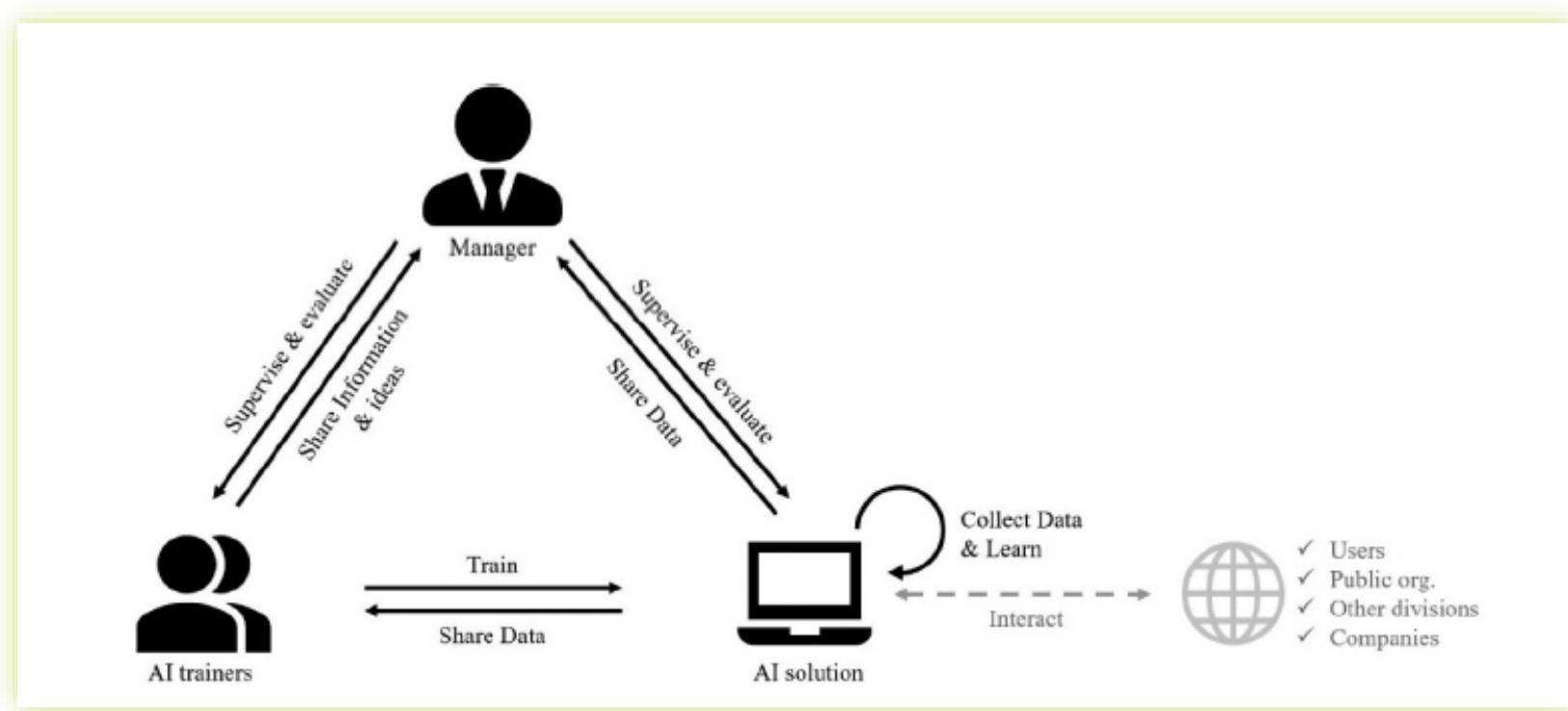
Governance with AI:

AI as an organizational agent example

Benefits

Challenges

Governance

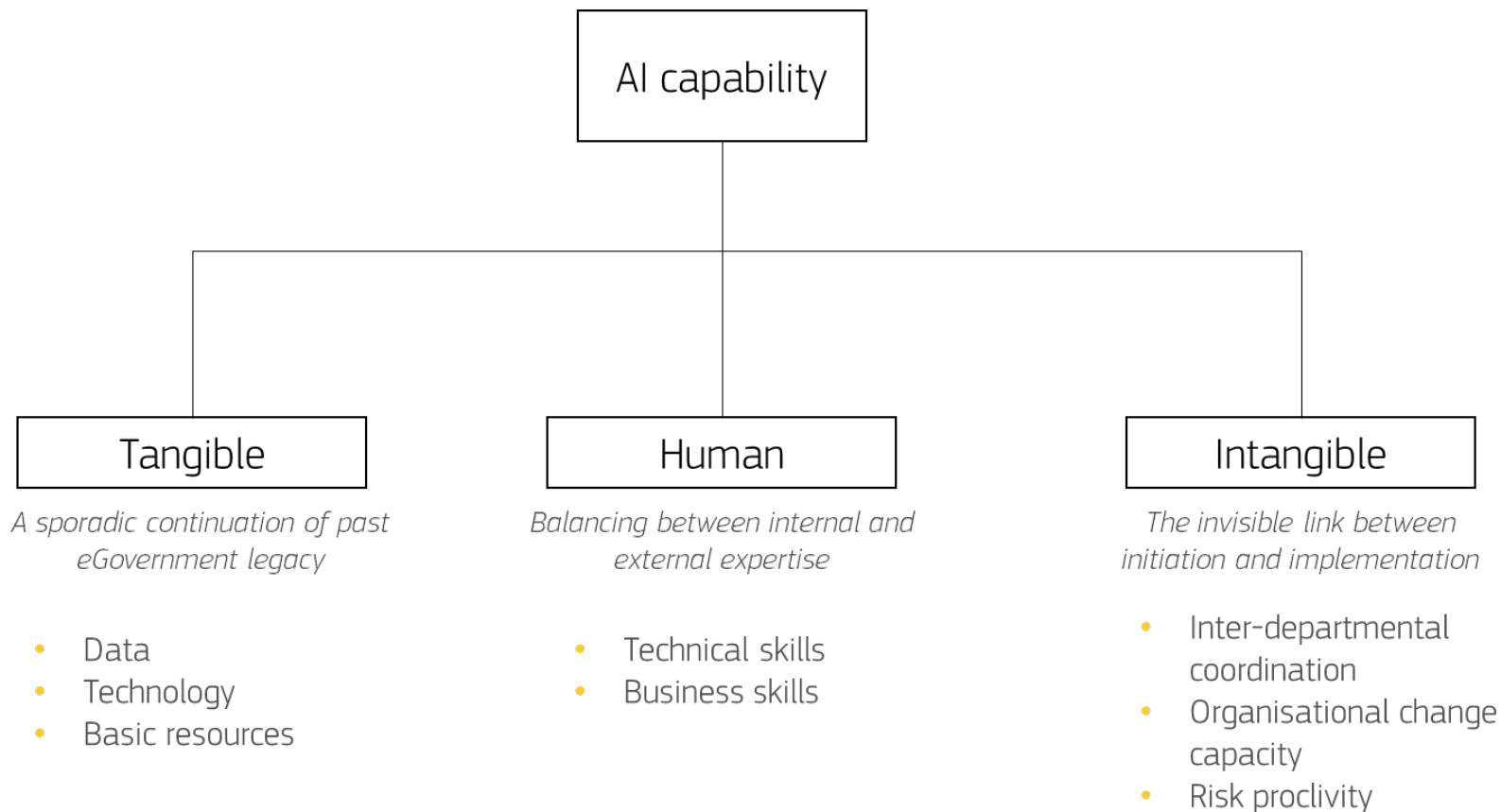


Governance with AI: AI capability

Benefits

Challenges

Governance





AI is only half of the story. The governance system surrounding the system strongly defines its success. In fact, the use of AI in this challenge was not solely an AI problem, but an operational and logistic challenge as well.



Selected questions

Benefits

1. What are the opportunities of AI in public administration?

Challenges

2. Which challenges are you facing, if any, with the use of AI in public administration?

Governance

3. **Governance of AI:** How to establish trustworthiness and human centricity as cross-cutting principles to respect lawful and safe use of AI?
4. **Governance with AI:** How to manage the implementation and integration of AI in public administration?

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Thank you

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