AI Watch

3rd Peer-Learning Workshop on the use and impact of AI in the public sector

Ongoing work: collection and publication of AI cases in the Public Sector

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24/6/2021

The views expressed are those of the author and may not in any circumstances be regarded as stating an official position of the European Commission.

Topics

- Short questionnaire
- Survey on AI use in the public sector: cases, enablers and effects
- AI cases in the public sector as open data
- Conclusions & results of the questionnaire

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Let's start with some questions

1. *What is the most important enabler for the use of AI in the public sector?*
2. *What is the greatest impact of AI in the public sector?*
3. *Rate the importance of:*
    1. *Having an EU inventory of AI cases in the public sector*
    2. *Letting organisations adding directly the cases to the inventory*
    3. *Having a common set of metadata about cases*

To answer*: Connect to https://www.sli.do/ & insert the code: #AIWatch

**Please answer before the end of this presentation*

**Answers are anonymous*

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The survey

- Two main goals (and parts):
  1. Collection of AI cases in the public sector
  2. Impact assessment of the use of AI in the public sector
- Launched at the beginning of 2021, will remain open for contributions till the end of 2021
- Around 20' to fill the survey
- Available at: https://ec.europa.eu/eusurvey/runner/IA-of-AI-public-sector
- **Your contribution is fundamental!**
- Let's check some preliminary results of the contributions received so far

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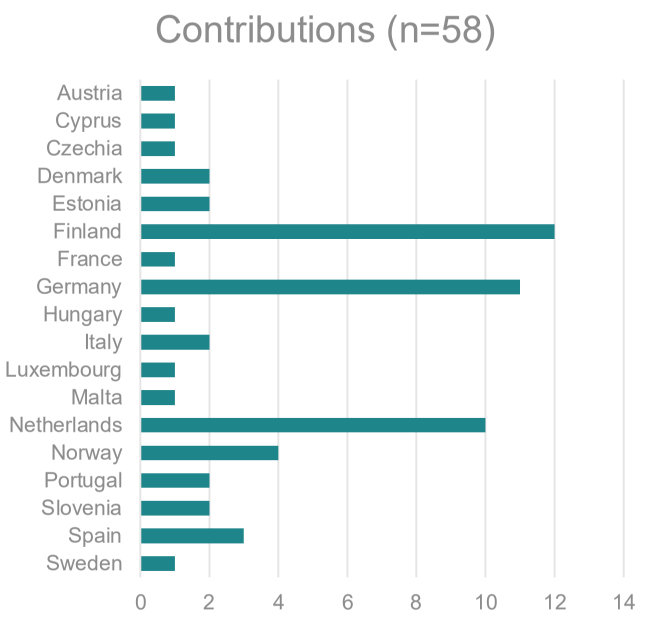
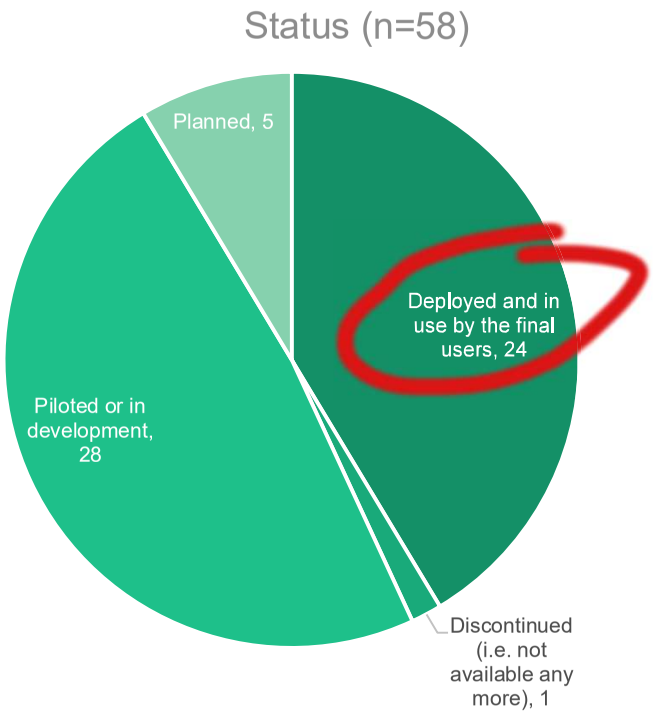
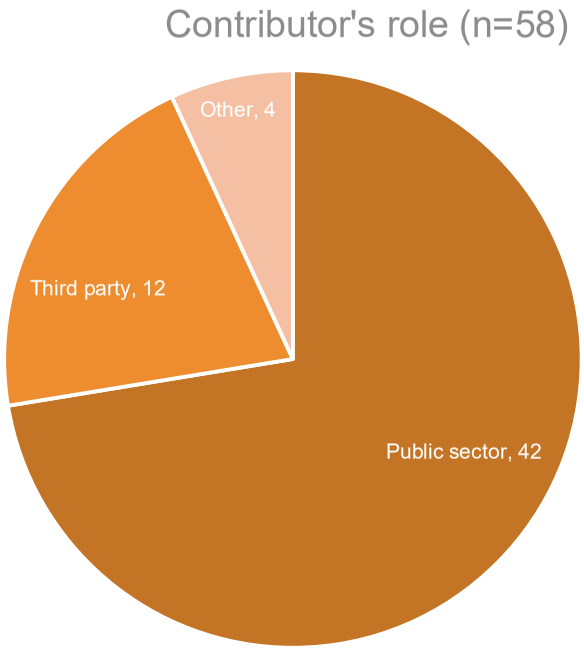
Contributions, statuses, roles







https://www.sli.do/; Code: #AIWatch

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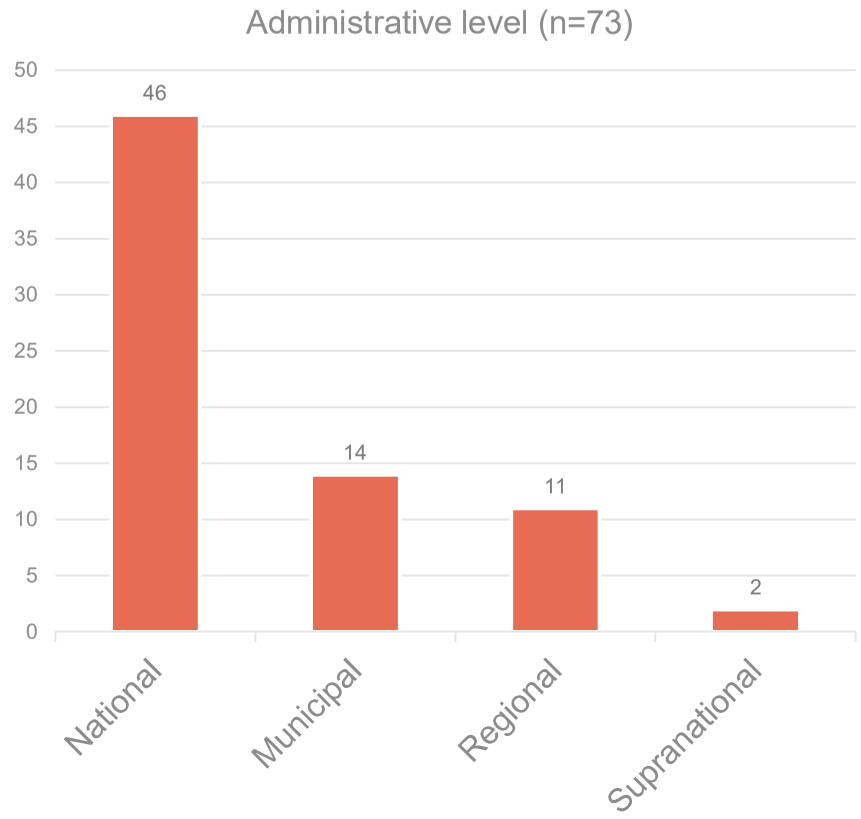
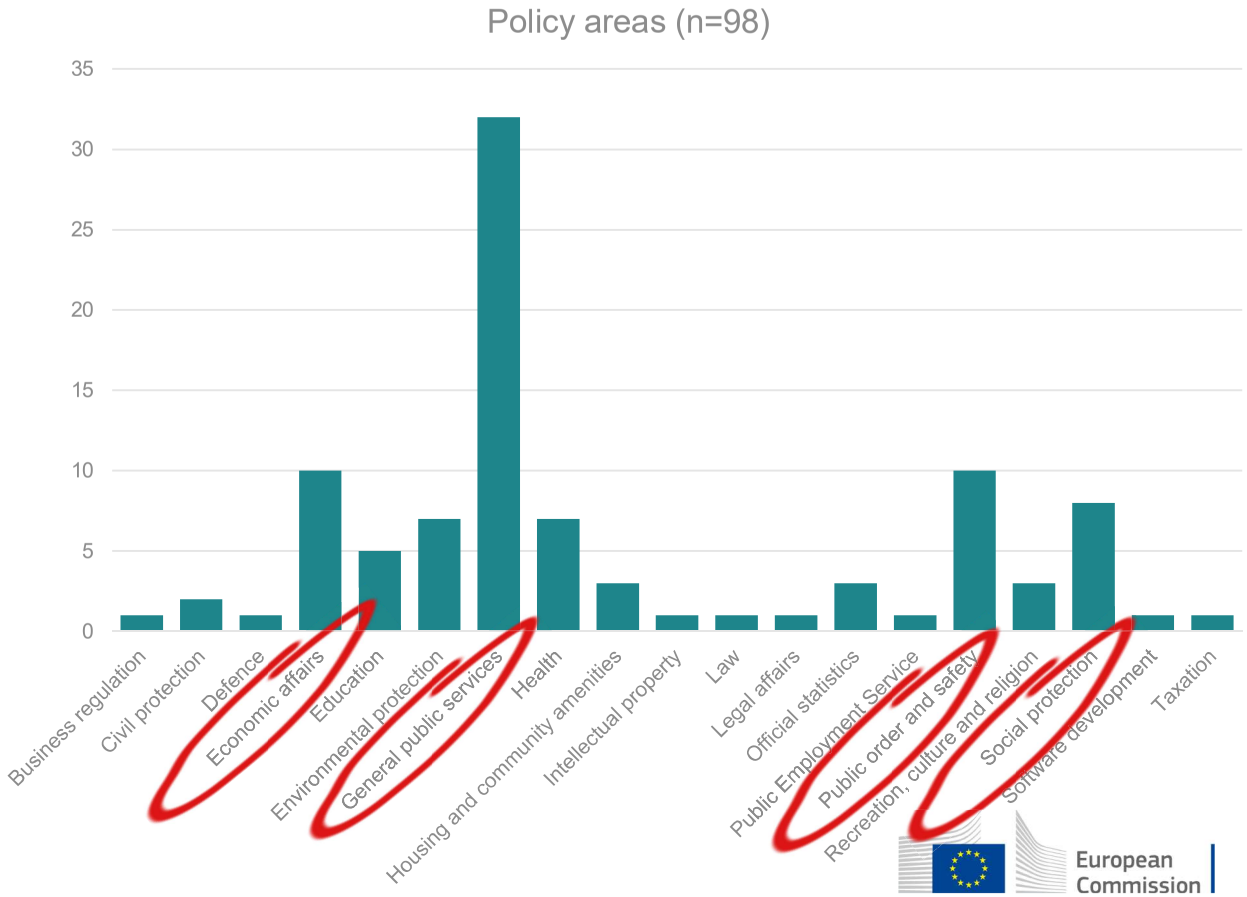
Administrative level, policy areas





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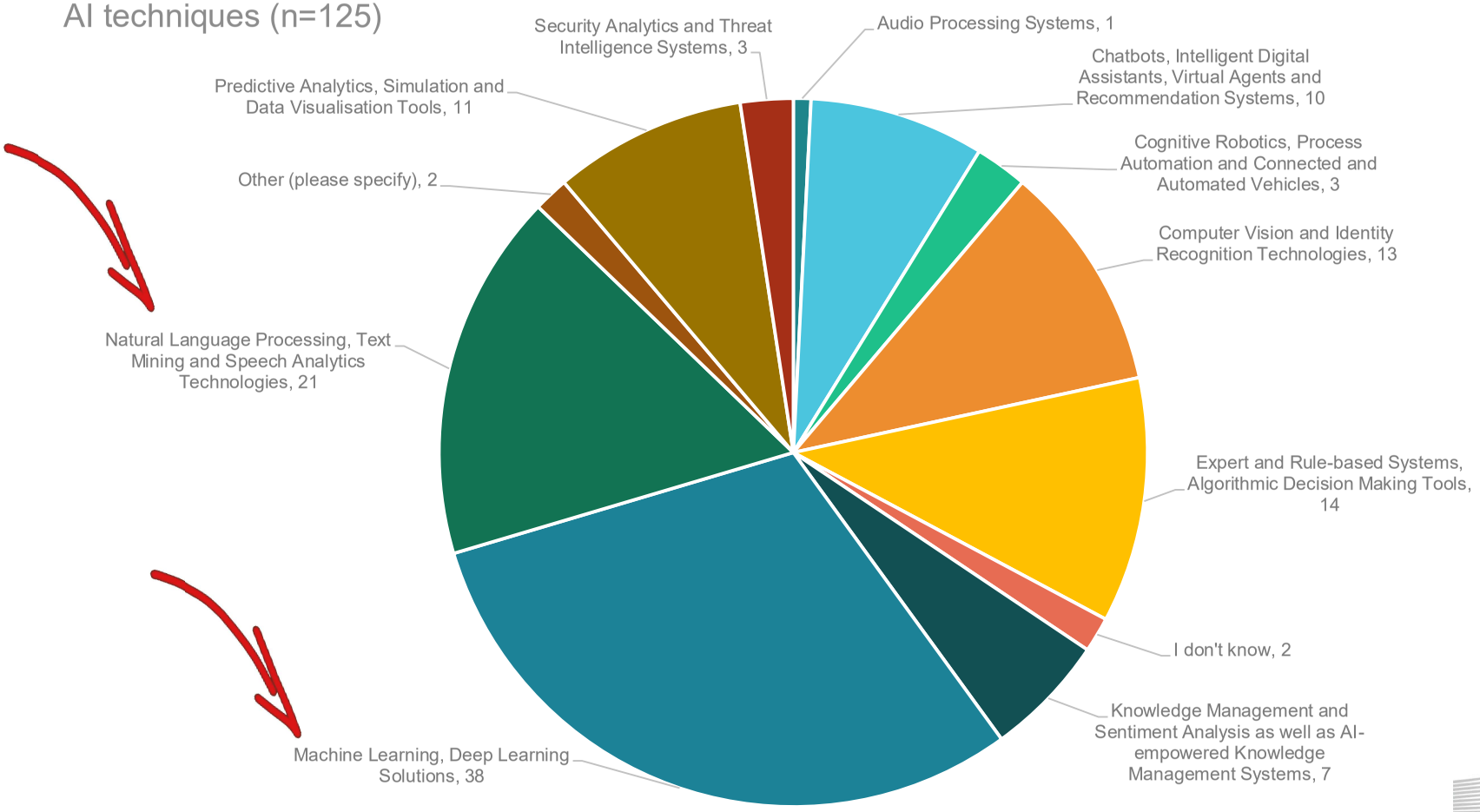
AI techniques



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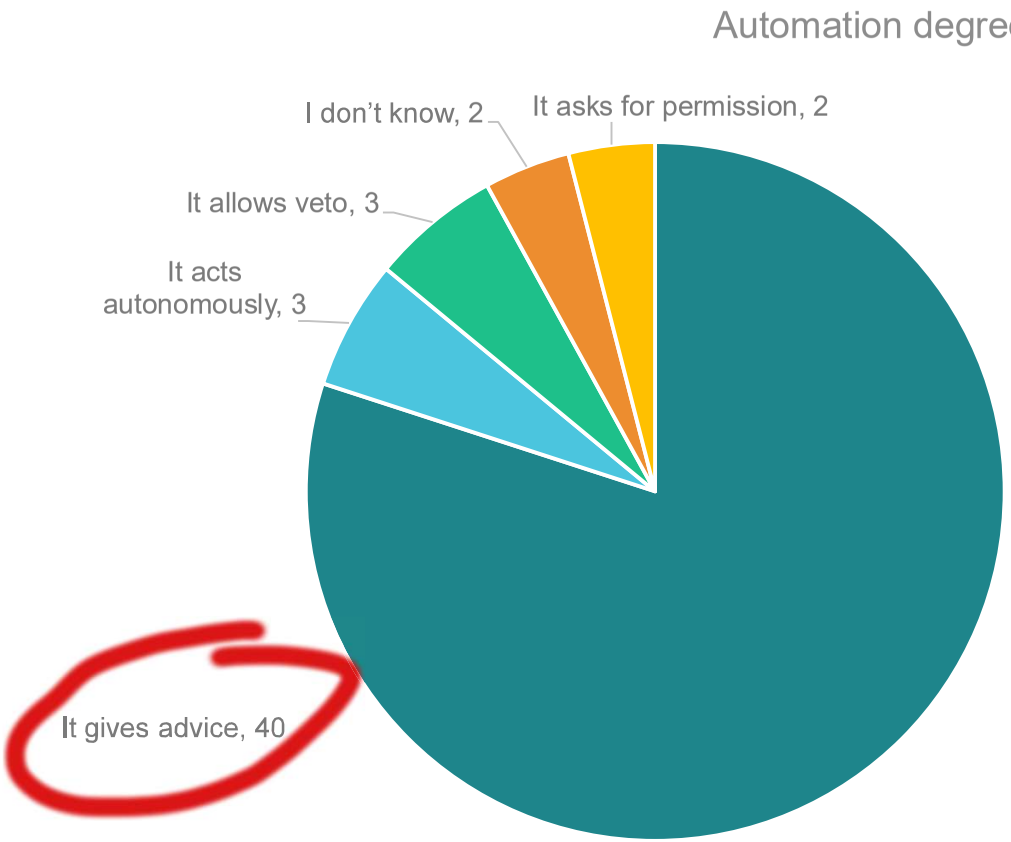
Automation degree



- It gives advice (i.e. the AI-enabled solution gives advice to a human; the human takes the decision)
- It acts autonomously (i.e. the AI-enabled solution acts completely independently without informing the human)
- It allows veto (i.e. the AI-enabled solution decides independently, but the human can override or block the decision)
- I don't know
- It asks permission (i.e. the AI-enabled solution takes a decision and the human gives permission to the AI application to execute the decision)

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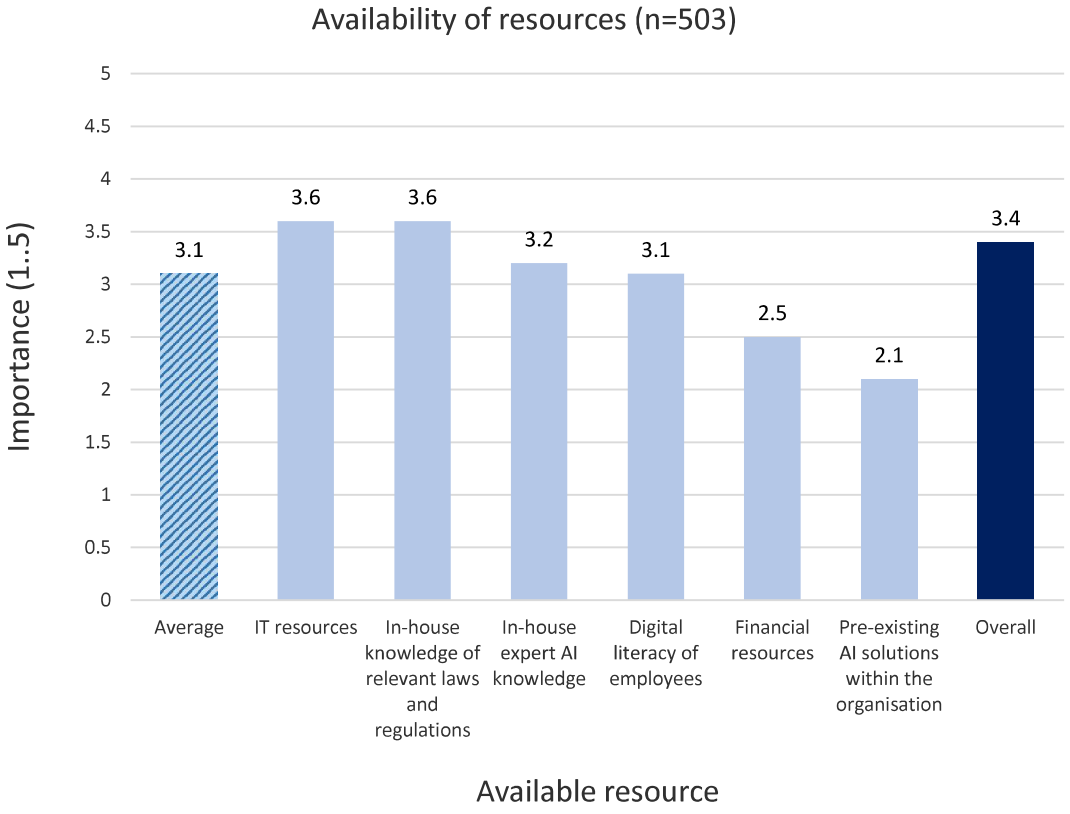
Enablers: Resources & stakeholders



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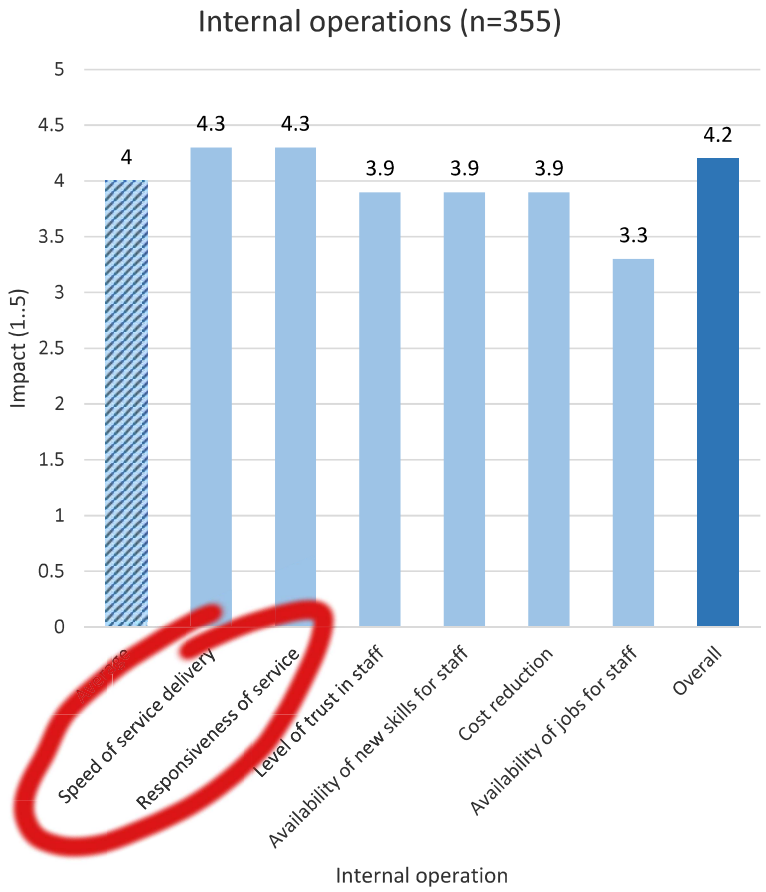
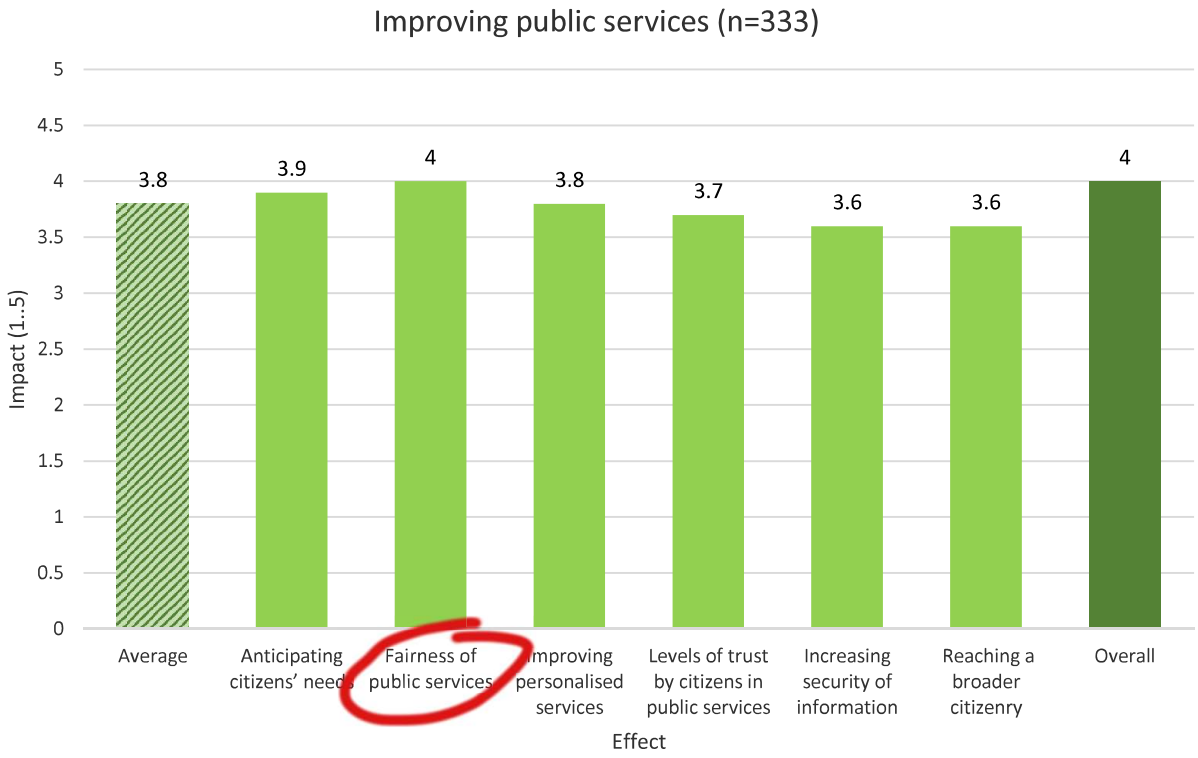
Effects: Service & Internal





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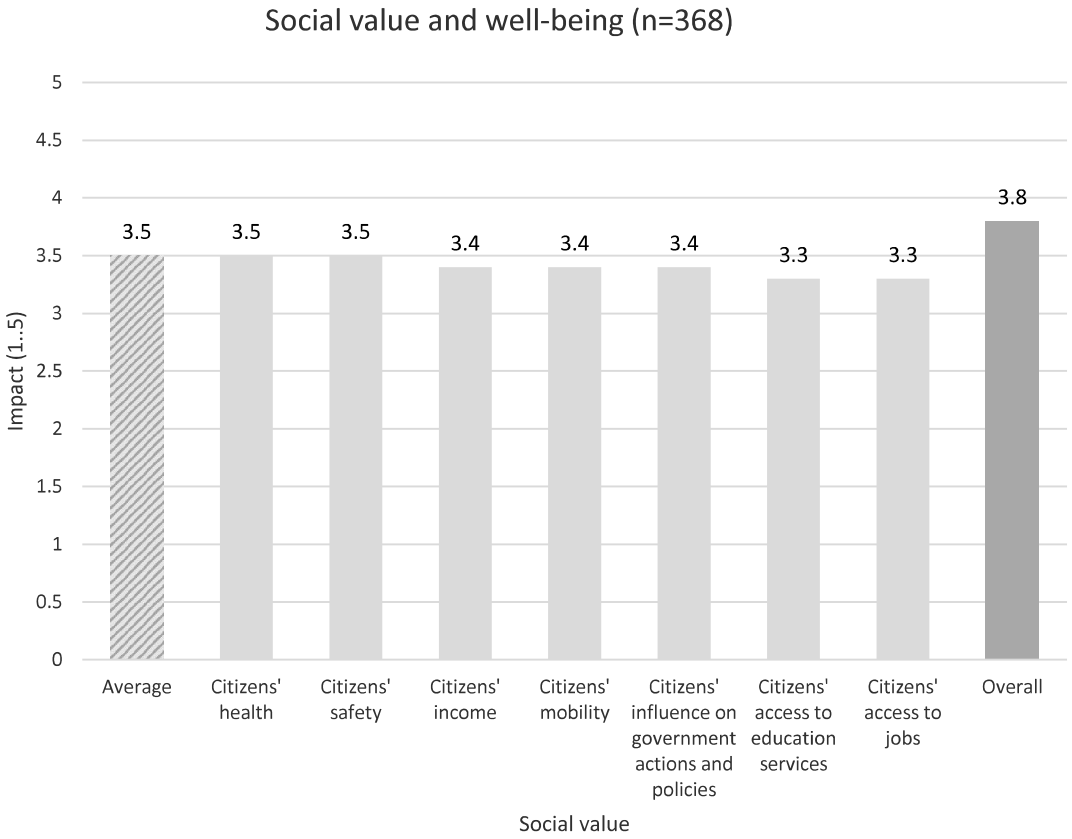
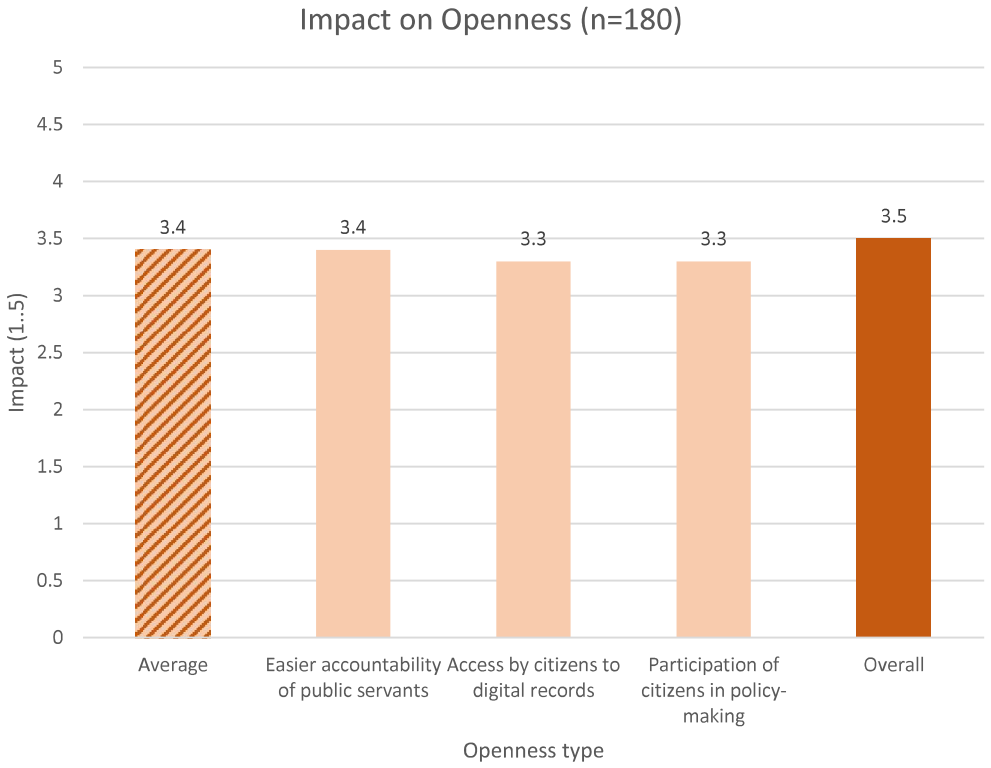
Effects: Social & openness





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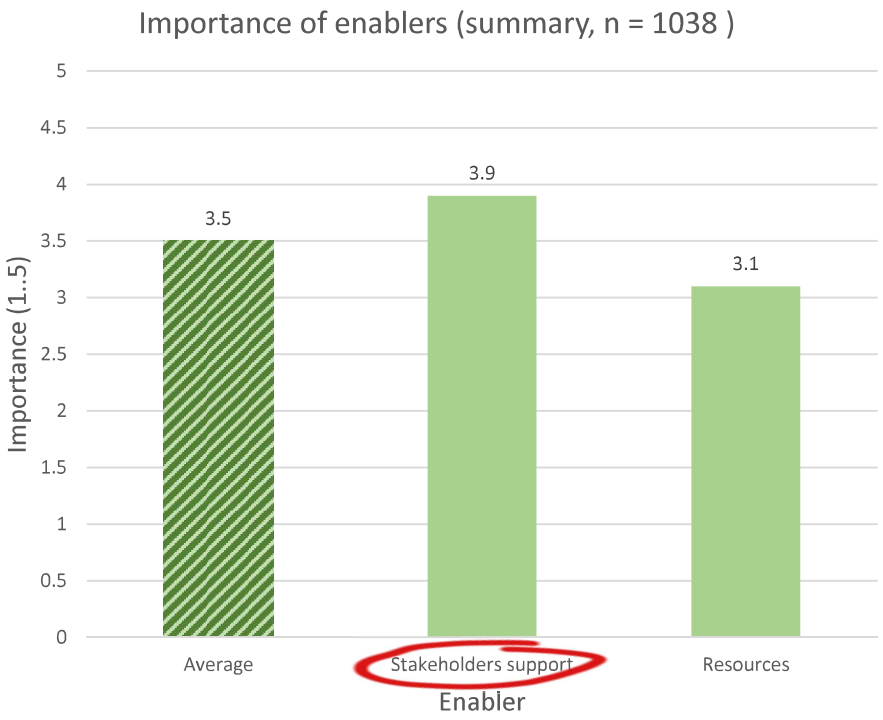
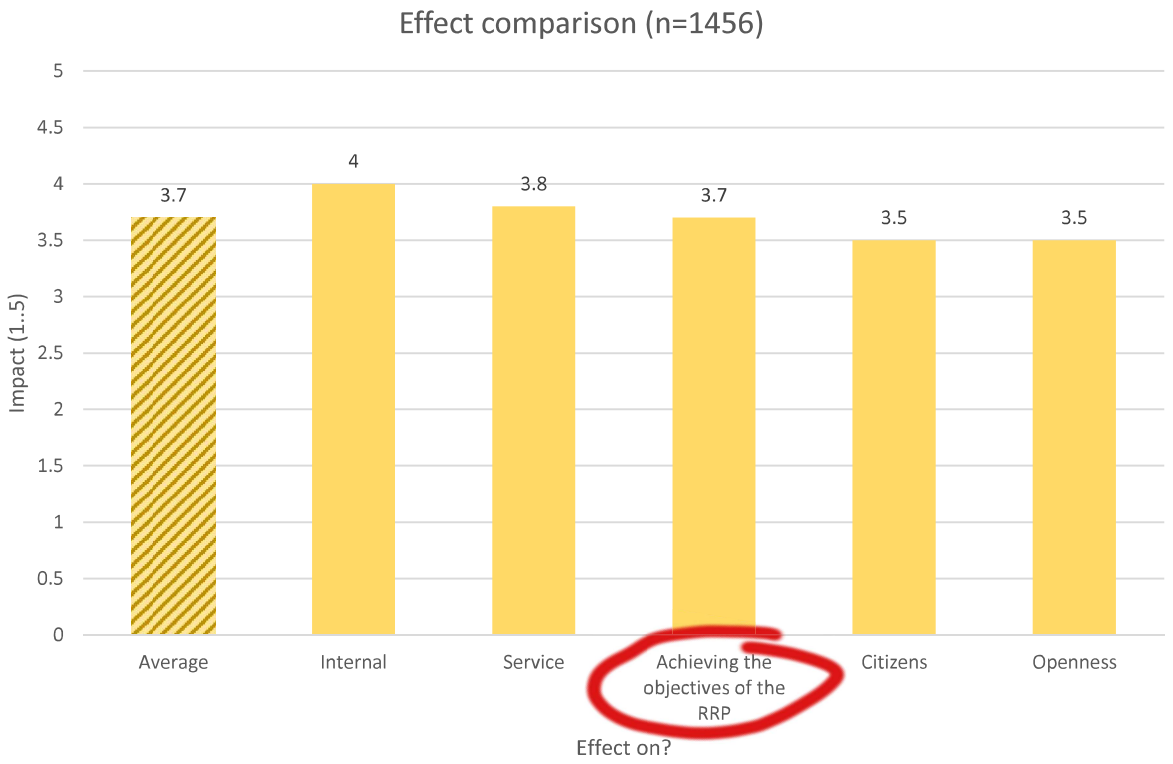
Enablers & Effects (summary)





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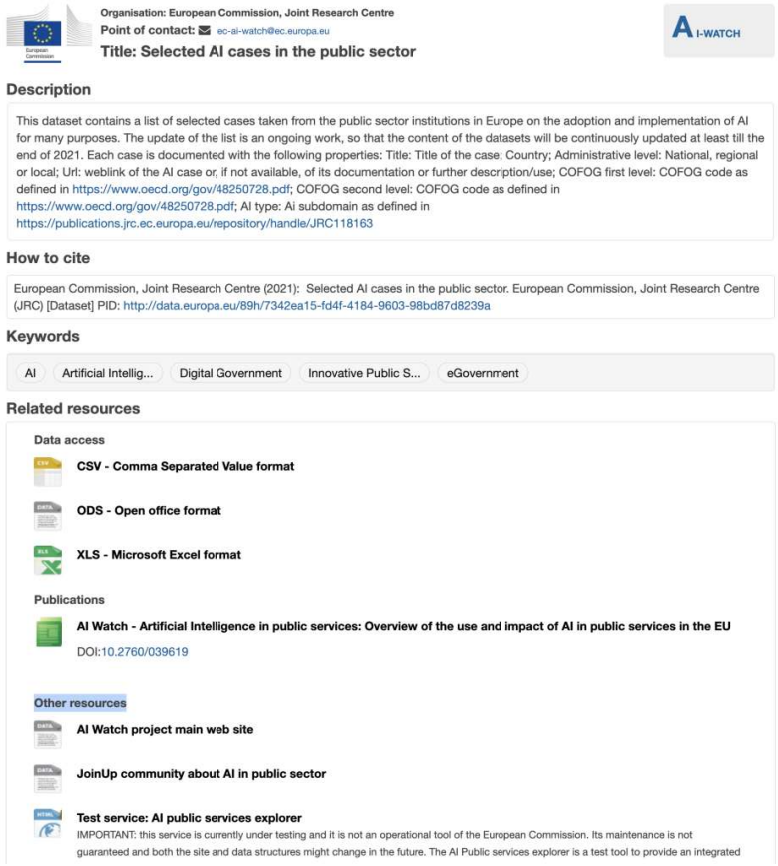
AI cases as Open Data



Organisation: European Commission, Joint Research Centre
Point of contact: ec-ai-watch@ec.europa.eu
AI-WATCH
Title: Selected AI cases in the public sector

Description

This dataset contains a list of selected cases taken from the public sector institutions in Europe on the adoption and implementation of AI for many purposes. The update of the list is an ongoing work, so that the content of the datasets will be continuously updated at least till the end of 2021. Each case is documented with the following properties: Title: Title of the case. Country; Administrative level: National, regional or local; Url: weblink of the AI case or, if not available, of its documentation or further description/use; COFOG first level: COFOG code as defined in https://www.oecd.org/gov/48250728.pdf; COFOG second level: COFOG code as defined in https://www.oecd.org/gov/48250728.pdf; AI type: Ai subdomain as defined in https://publications.jrc.ec.europa.eu/repository/handle/JRC118163

How to cite

European Commission, Joint Research Centre (2021): Selected AI cases in the public sector. European Commission, Joint Research Centre (JRC) [Dataset] PID: http://data.europa.eu/89h/7342ea15-fd4f-4184-9603-98bd87d8239a

Keywords

AI | Artificial Intellig... | Digital Government | Innovative Public S... | eGovernment

Related resources

Data access

CSV - Comma Separated Value format

ODS - Open office format

XLS - Microsoft Excel format

Publications

AI Watch - Artificial Intelligence in public services: Overview of the use and impact of AI in public services in the EU
DOI:10.2760/039619

Other resources

AI Watch project main web site

JoinUp community about AI in public sector

Test service: AI public services explorer
IMPORTANT: this service is currently under testing and it is not an operational tool of the European Commission. Its maintenance is not guaranteed and both the site and data structures might change in the future. The AI Public services explorer is a test tool to provide an integrated

- **142 cases** taken from various activities (workshops, surveys, interviews, desk research, etc)
- ***Purpose: AI Watch investigation***
- Available at the JRC Data Catalogue, AI Watch collection, "selected AI cases in the public sector"
- Published as open data & available in 3 formats for download
- A basic viewer is also available

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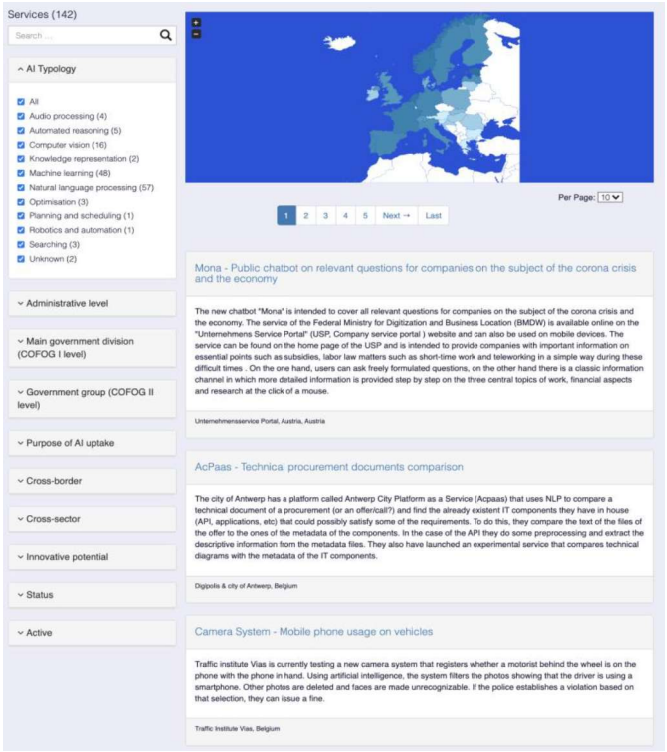
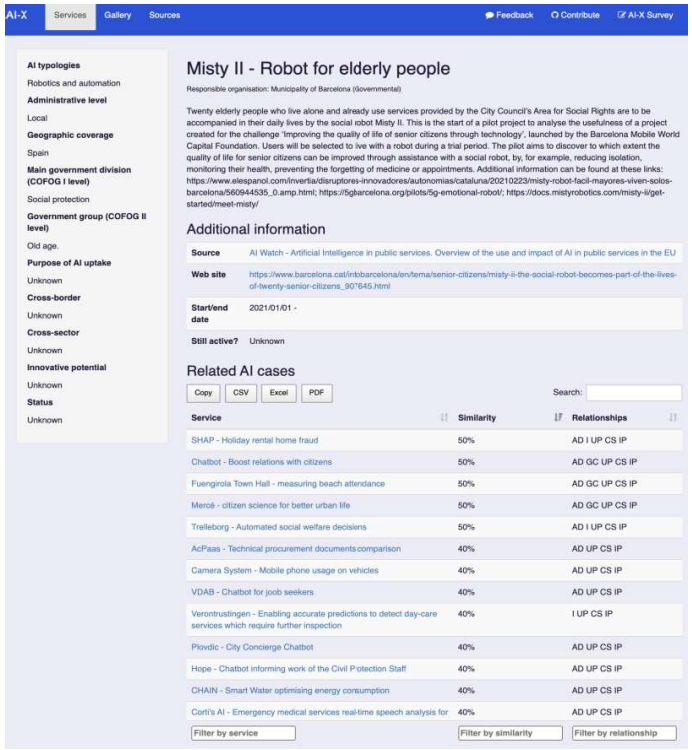
Basic viewer

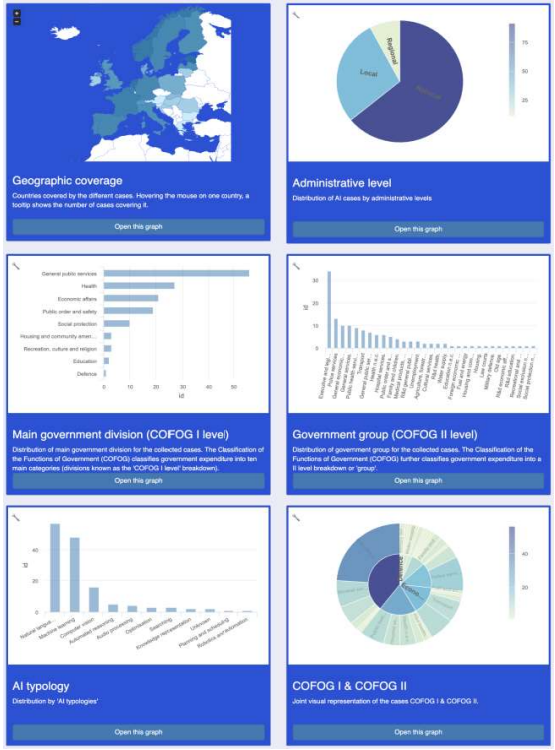
Search & filter



Analyse & download



View



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Conclusions

- Survey on the use of AI in the public sector
  - **Machine learning** and **natural language processing** are well represented in the cases
  - Most of the cases give '**advices**'
  - **Support from stakeholders** is very important, especially the presence of an '**AI champion**'
  - Internal and external effects are equally distributed, with a **small prevalence of internal impact**
- 142 AI cases have been published as open data.
  - The list is continuously updated.
  - **Contributions to the survey are very welcome!**
- sli.do answers

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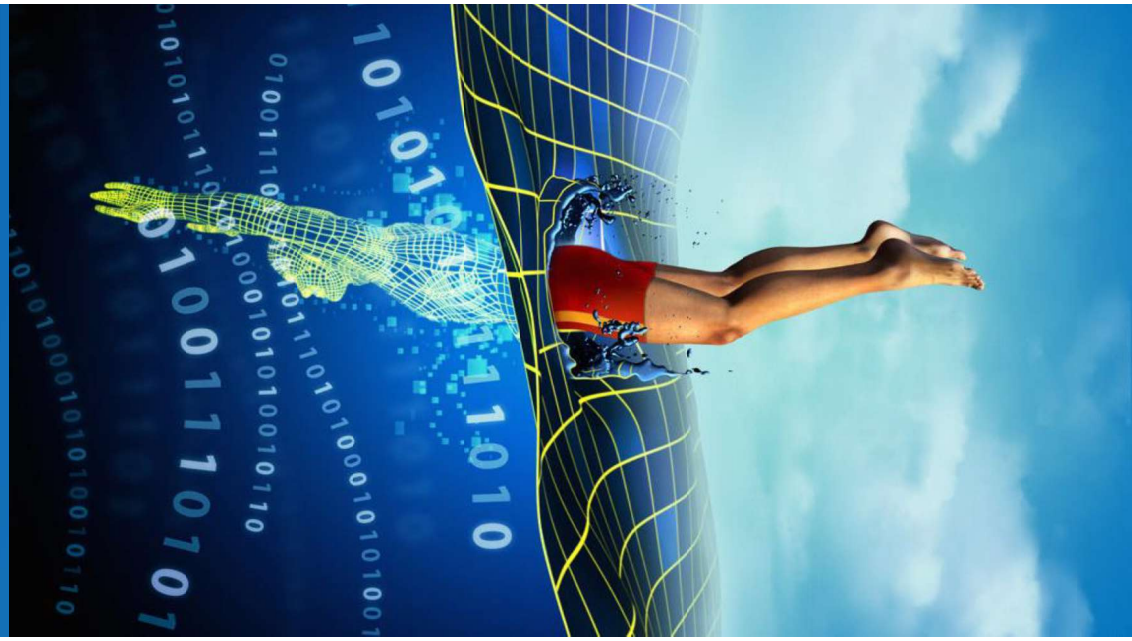
Thank you



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