

AI in Landbook/Judiciary

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Background

- Commercial:

AI-based IT including related IT-Services:

2024: 170 Billion Euro

2030: expected **775 Billion Euro**

(Source: „Statista“)



The Austrian Situation

- 100% Landbook cases are decided by District Courts in full jurisdiction!
- 100 % Digital – no Paper → electronic filing system + archives.
- Highly structured demands based on IT-business rules
- In general: no handtyping!
- Homeoffice
- COVID resistant



The Core

- “Feared to death means died too“
- Optimize your system – technical and legal
- IT-Businessrules before AI
- Internal AI needs know how and time
- Care for developments
- Be aware – AI versus Private data protection!!!
- Human Loop

Artificial Intelligence



Evolution at Legal Informatics and LegalTech

Ursprung von KI: 1936 (Alan Turing) bzw. 1956 (McCarthy)



Legal Tech 1.0

Software solutions for
organizing and supporting
workflows

Support functions

Legal Tech 2.0

Replacement of individual
steps of legal activity;
automatic creation of
documents such as lawsuits
and resolutions;

Automated legal services

Legal Tech 3.0

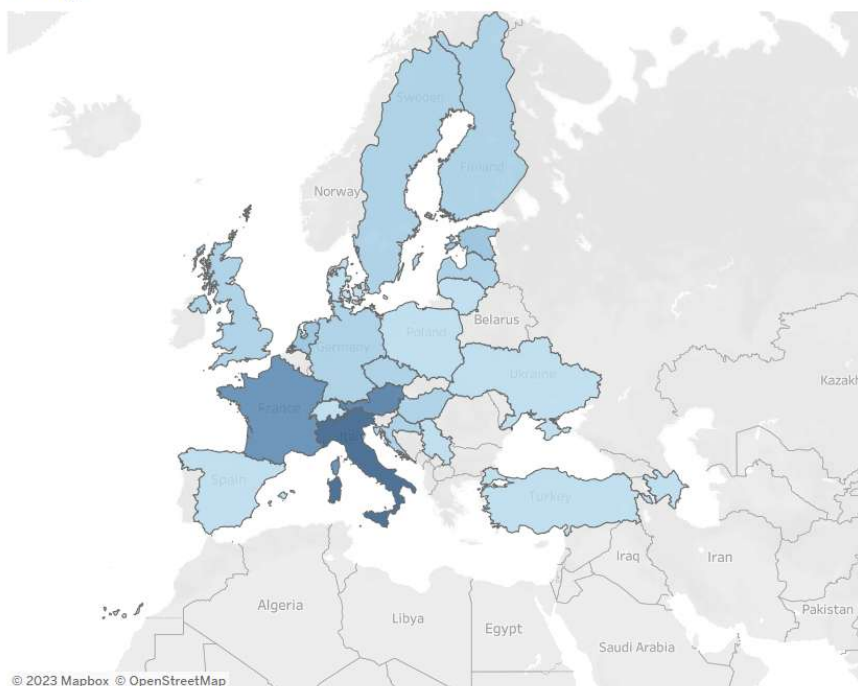
Efforts to create a virtual
substitute for legal work
equipped with artificial
intelligence

Artificial intelligence

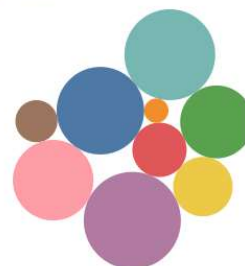
AI in european judiciary 2024

CEPEJ Working Group on Cyberjustice and Artificial Intelligence (CEPEJ-GT-CYBERJUST)

Country

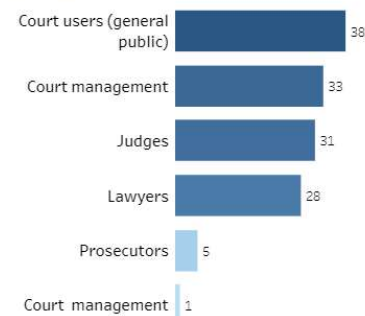


Areas of application

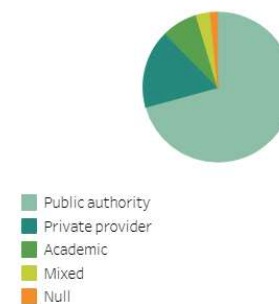


- 1 - Document search, review and Large-scale Discovery
- 2 - Automated Online Dispute Resolution
- 3 - Prediction of Litigation Outcomes
- 4 - Decision-Support and Decision-Making
- 5 - Anonymization
- 6 - E-Filing
- 7 - Triaging, allocation and workflow automation
- 8 - Natural Language Processing
- 9 - Information/assistance services

Target audience



Implementation by



Classical AI in Austrian Judiciary



Digital & physical inbox:

Analysis, classification and extraction of metadata from the inbox (ERV & scans), intelligent routing, label suggestions for documents



Digital support in digital files:

Intelligent functions in digital files, e.g. suggestions for file structure for scanned paper files, recognition of literature references



Analysis and processing of investigation data

Analysis, classification and extraction of metadata from various types of "data", recognition of relationships and communication processes



Speech recognition, image recognition

Recognition of speech with (e.g.) Dragon Natural Speaking, movement in security videos



Chatbots for citizen service requests

Information and navigation support for those seeking legal advice, e.g. in the area of JustizOnline, (pre-)categorization of citizen requests



Anonymization of court decisions:

Recognition of names, addresses, roles of certain parties and their position in the proceedings and preparation of anonymization proposals

Conclusion

- Huge advantages for the future ...
- Prepare your system!
- AI versus Private Data Protection
- Make your System fit for AI
- Human Loop!

Thank you very much for your attention!

