Improving quality of lawmaking with AI: analysing dependencies & contradictions

Challenge Open Legal Lab

Nicolas Zahn – f0t1 GmbH

Problem & Vision

- Problem: growing body of legal texts with more and more dependencies -> potential for contradictions and unintended consequences growing

- Affected group: policymakers but in the end also legal and natural persons

- Vision: find a way to check proposed new legal texts against the existing legal base to identify dependencies and contradictions

From vision to reality

- Classification: classify what is inside of legal texts -> addressed
- Interpretation: analyze relation between classified blocks to interpret the legal „spirit" -> main challenge, not as easy in Swiss legal tradition (compared to anglosaxon tradition, laws not „written for the machine")
- „Compiling": build a software that takes an input (new law) and checks it against the stored base of legal texts to highlight potential conflicts and dependencies
- Available input:
  - unclassified legal base (SR)
  - NLP frameworks and other AI tools

Hackathon

- Goal for hackathon: clear roadmap for Interpretation challenge
- Aftermath: build team and start fundraising for prototype / find organisation to build upon the idea
- Needed support
  - Coding
  - NLP experience
- Contact Details:
  - Nicolas Zahn
  - nicolaszahn.ch
  - nicolas@nicolaszahn.ch