Policy Radar

Creation of a tool for monitoring Planning Instruments in Portugal

PLANAPP
Centro de Competências de Planeamento, de Políticas e de Prospetiva da Administração Pública

William Melo, Paulo Cambra, Ana Costa, Carlos Ferreira
Competence Centre for Planning, Policy and Foresight in Public Administration (PlanAPP)

PROBLEM

Planning Instruments (PI) are documents - plans or strategies - that articulate measures (public policies), objectives and goals in the actions of public authorities (policymakers). Portugal has 140 active PI.

140 x

Planning Instruments

- **Time horizon**
  - Entry of new PI
  - PI finalization
  - Evaluation
- **Monitoring**
  - Key Performance Indicators
  - Objetives
    - Goals
- **Responsible**
  - government areas
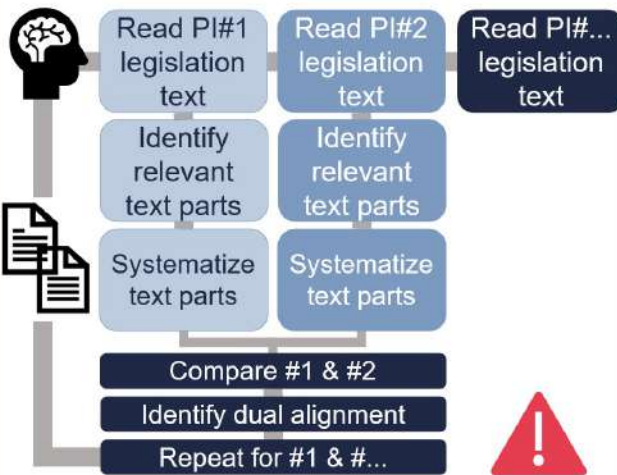 - coordinating entities

❓ How to address policy interactions in planning instruments (PI)?

POLICY RADAR PROJECT

The standard solution
Manual identification of alignment between pairs of Planning Instruments

- Read PI#1 legislation text
- Read PI#2 legislation text
- Read PI#... legislation text

- Identify relevant text parts
- Identify relevant text parts

- Systematize text parts
- Systematize text parts

- Compare #1 & #2
- Identify dual alignment
- Repeat for #1 & #...

⚠️

- Manage multiple interactions;
- Laborious and time-consuming process;
- Prone to subjectivity;
- Constant changes in PIs.

The AI solution
Natural Language Processing (NLP) algorithm to identify alignment from multiple inputs

- Pre-processing of legislation texts
- Compare PI's Similarities
- NLP algorithm
- Identify cross-sectional multiple alignment
- Visualization and analysis of PI interactions
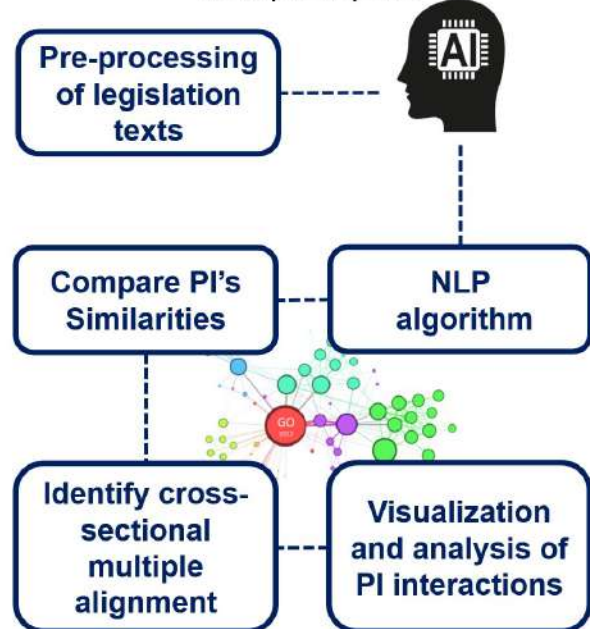
Next Steps:
- Start correspondence analysis between IPs - *in-house development*
- Search for partners to build the AI solution