

# AI4IA

## Artificial Intelligence for Better Regulation

Efficient, evidence-based  
regulation - powered by AI

### Context

Regulatory impact assessment is a fundamental task within the EU's "Better Regulation" agenda. Through it, governments can anticipate if new legislation will impose unnecessary bureaucracy and administrative burdens upon society.

Impact assessment greatly improves the legislative process and benefits businesses and citizens with reduced State-imposed burdens. Nevertheless, practicing impact assessment is extremely time-consuming, requiring the allocation of highly trained domain experts. Consequently, scaling its execution is unfeasible.

A more efficient, timely, and less human resource-demanding impact assessment process is needed, while maintaining its robustness and increasing transparency.



## How can AI help?

Instead of assigning a domain expert to the repetitive task of reading through legislation in search of existing obligations, large Deep Learning models are trained to understand the legal tasks and streamline such manual routines. AI4IA creates a methodology that automatically identifies, categorizes, and estimates the administrative burdens within a regulation. All the while, the human expert will still be involved, providing oversight of the entire process through a user-friendly interface. He will also benefit from an environment that enables a simpler sensitive analysis of different legislative options.



A typical impact assessment report that could take several working days for an expert, will be produced in a matter of minutes. The highly trained professionals will then be able to dedicate their time to more mission-critical activities.

Regulatory Impact Assessment becomes:

- ✓ Efficient
- ✓ Standardized
- ✓ Transparent

## Beneficiaries / Stakeholders Benefits

**Legislators** - Data-driven; evidence-based legislative process; systematized and standardized process.

**Policymakers** - Better policies by avoiding the introduction of unnecessary administrative burdens.

**Public Governance** - Reduced costs on manual tasks; reallocation of human resources to activities that add greater value.

**Businesses & Citizens** - Reduced administrative burdens + greater trust in public institutions (due to increased transparency).

## More details

Using AI allows for a faster estimation of the administrative burdens within national legislation and transposed EU legislation. Additionally, the proof-of-concept that has been produced facilitates the comparison between the administrative burdens of various legislative texts. The goal is to help identify an increase in obligations among national legislations and “gold-plating” instances between EU directives and transposed legislation.

Concretely, AI is leveraged to alleviate the impact assessment expertise of personally reviewing each passage in the transposed legislation. Instead, NLP model(s) are trained to identify and categorize the existing administrative obligations. Once the AI's output is produced, the calculation of the administrative burdens is also streamlined by the system through a programmatic implementation of the Standard Cost Model methodology.

## Key Info

17-month project • oct/11/2022 → mar/11/2024

Beneficiary: PlanAPP – Competence Centre for Planning, Policy, and Foresight in Public Administration

Coordinator: NOVA IMS – Nova Information Management School