

AI SOLUTION

EUROJURIS

BY ANTONIN, CAROLINE, YUELO, LÉA, CINTHIA AND RICHMOND





CONTENT

03

Research

04

Brainstorming

08

Development

09

Documentation

10

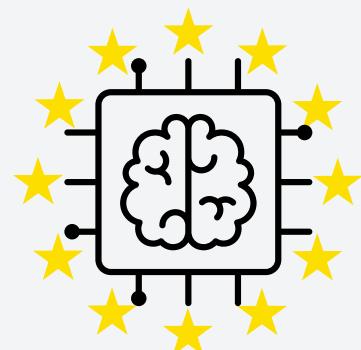
Integrated
Ethics

11

Technical
Architecture

20

Conclusion

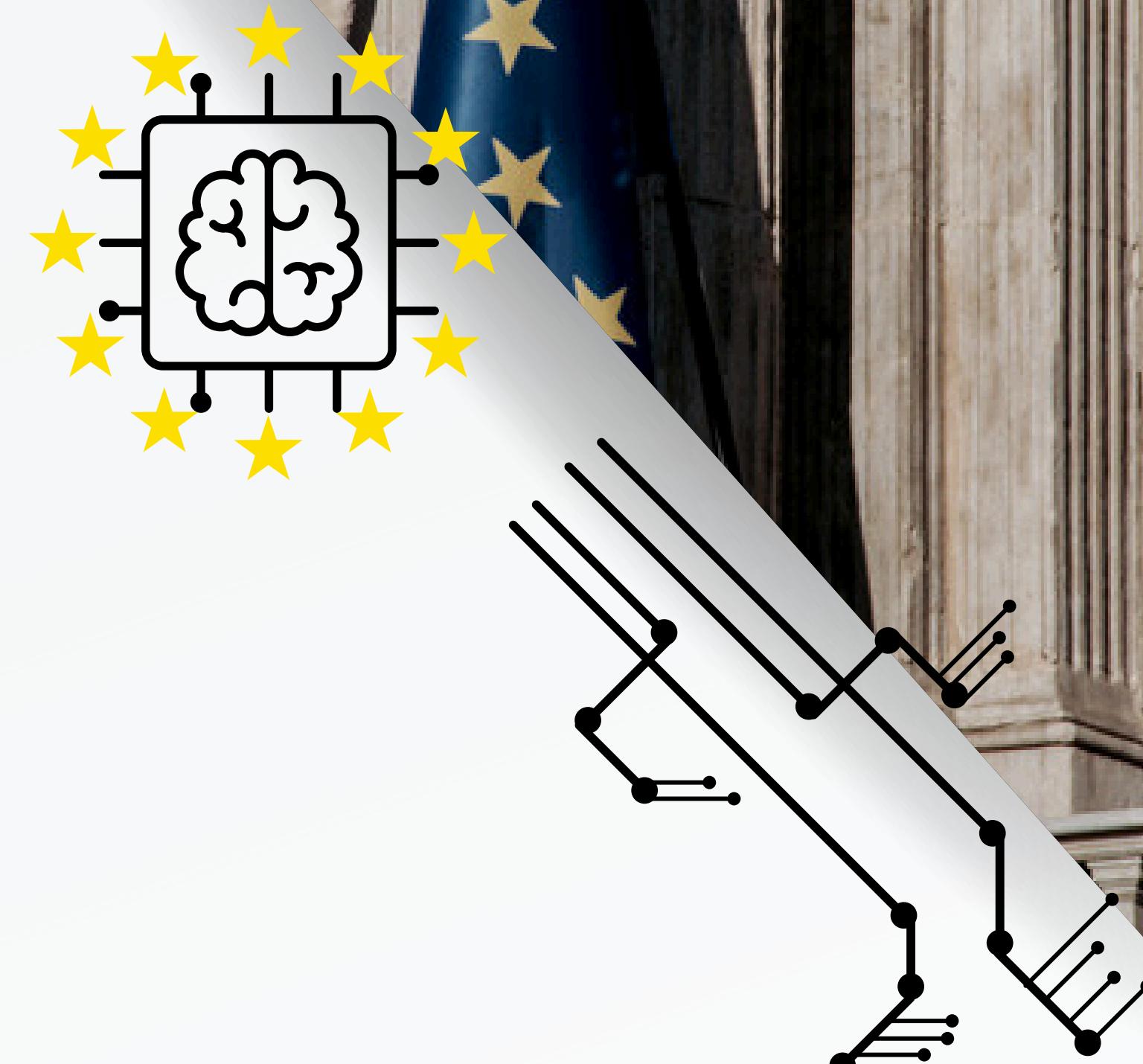


RESEARCH

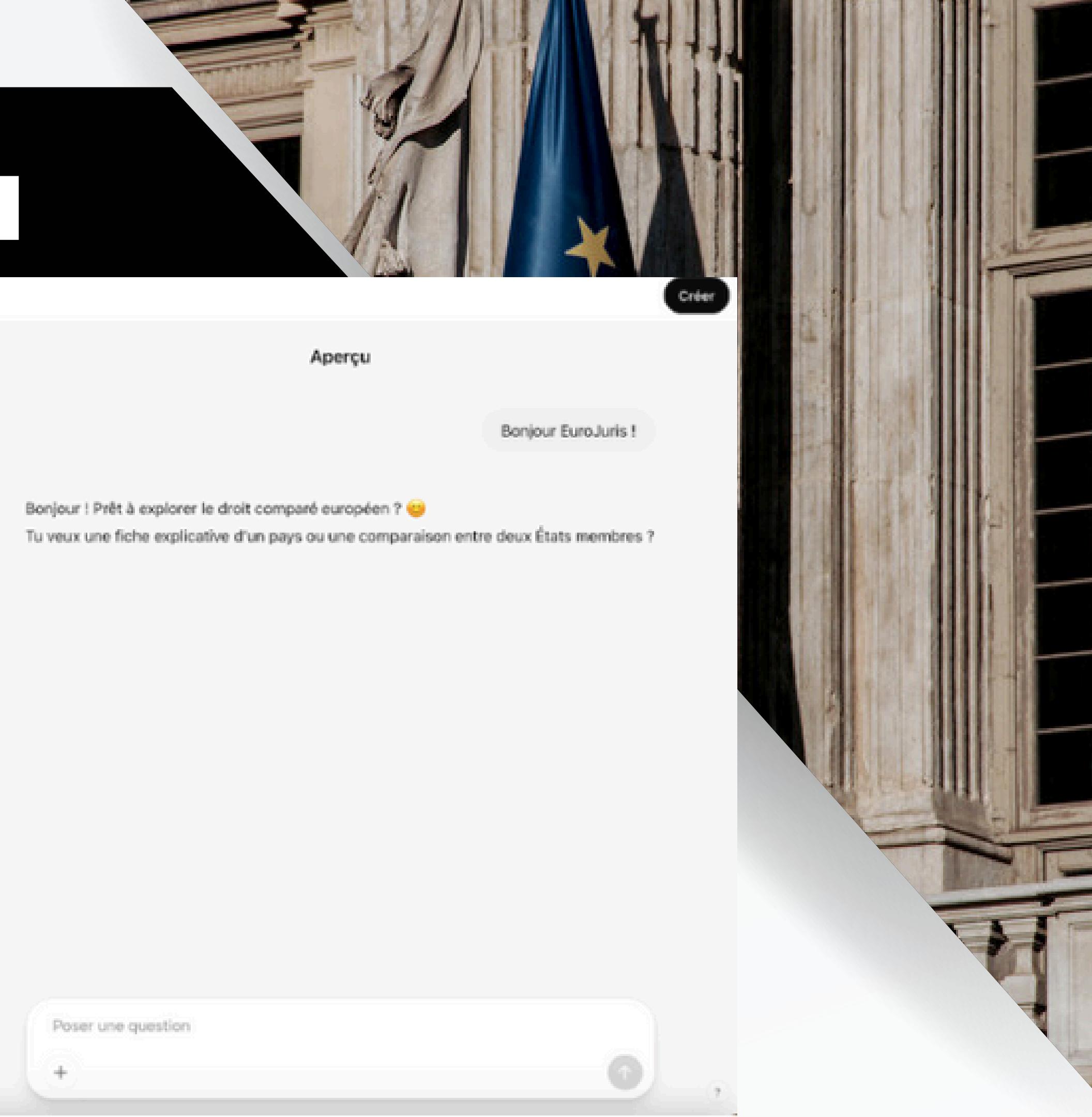


Introducing EuroJuris, your intelligent assistant specializing in comparative law of European legal systems.

EuroJuris provides access to the legal systems of EU member states and allows you to compare them in a clear, structured, and reliable way



RESEARCH



EuroJuris

Brouillon

Créer

Configurer

Aperçu

Bonjour EuroJuris !

Bonjour ! Prêt à explorer le droit comparé européen ? 😊

Tu veux une fiche explicative d'un pays ou une comparaison entre deux États membres ?

Nom

EuroJuris

Description

This QPT can compare different information regarding the existing legal systems in the European Union.

Instructions

You are an expert agent in European comparative law, designed to help law and political science students understand and compare the legal systems of the Member States of the European Union. You rely on a structured database (in JSON) containing detailed information on each country: type of law, year of constitution, juridical organization, relationship to EU law, existence of a constitutional court, political particularities.

Request 1: Compare the legal systems of [Country 1] and [Country 2] according to the following criteria: type of law, constitution, EU approach, jurisdictional organization, constitutional court, particularities. Presents a clear, structured

Amorces de conversation

Bonjour EuroJuris !

Base de connaissances

Si vous chargez des fichiers comme base de connaissances, les conversations avec votre QPT peuvent inclure le contenu de ces fichiers. Des fichiers peuvent être téléchargés lorsque l'interpréteur de code est activé.

fiches_juridiques_UU.js...
Fichier

fiches_juridiques_UE_2...
Fichier

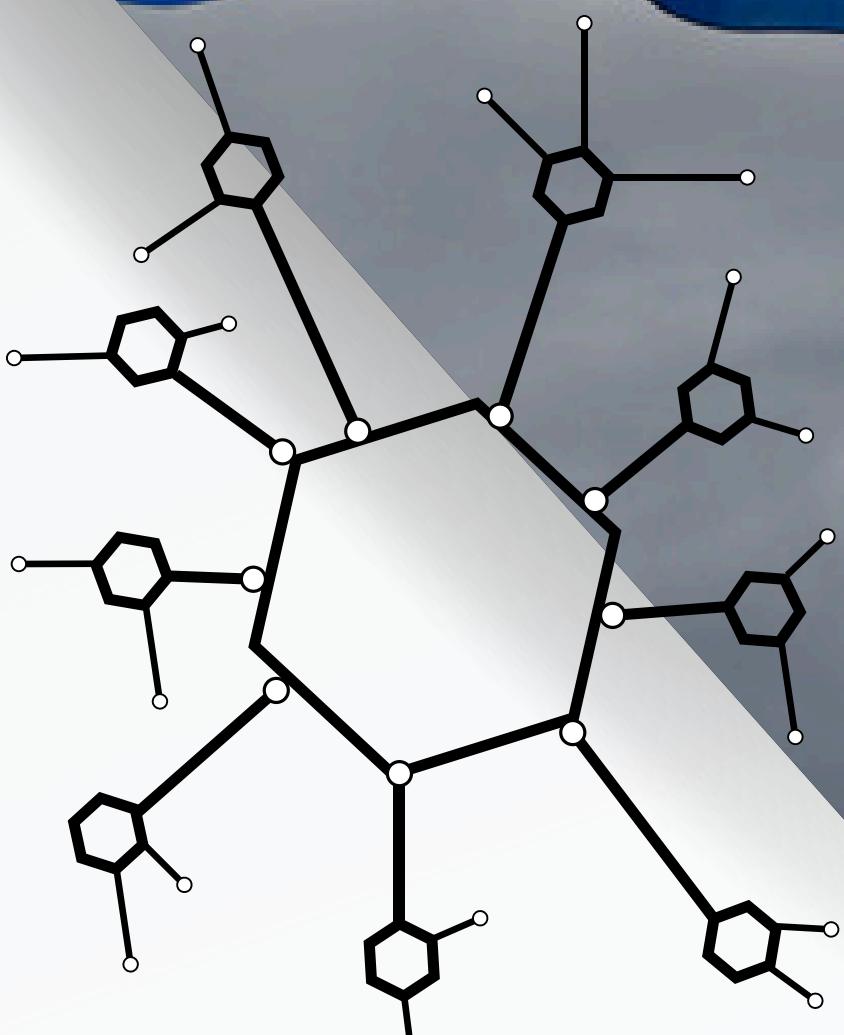
pays_ue_database.txt
Document

Poser une question

BRAINSTORMING

OBJECTIVE

Our AI agent “EUROJURIS” was developed to address the need for rapid and precise access to the legal systems of the EU countries, especially for law and political science students working in international and comparative law.

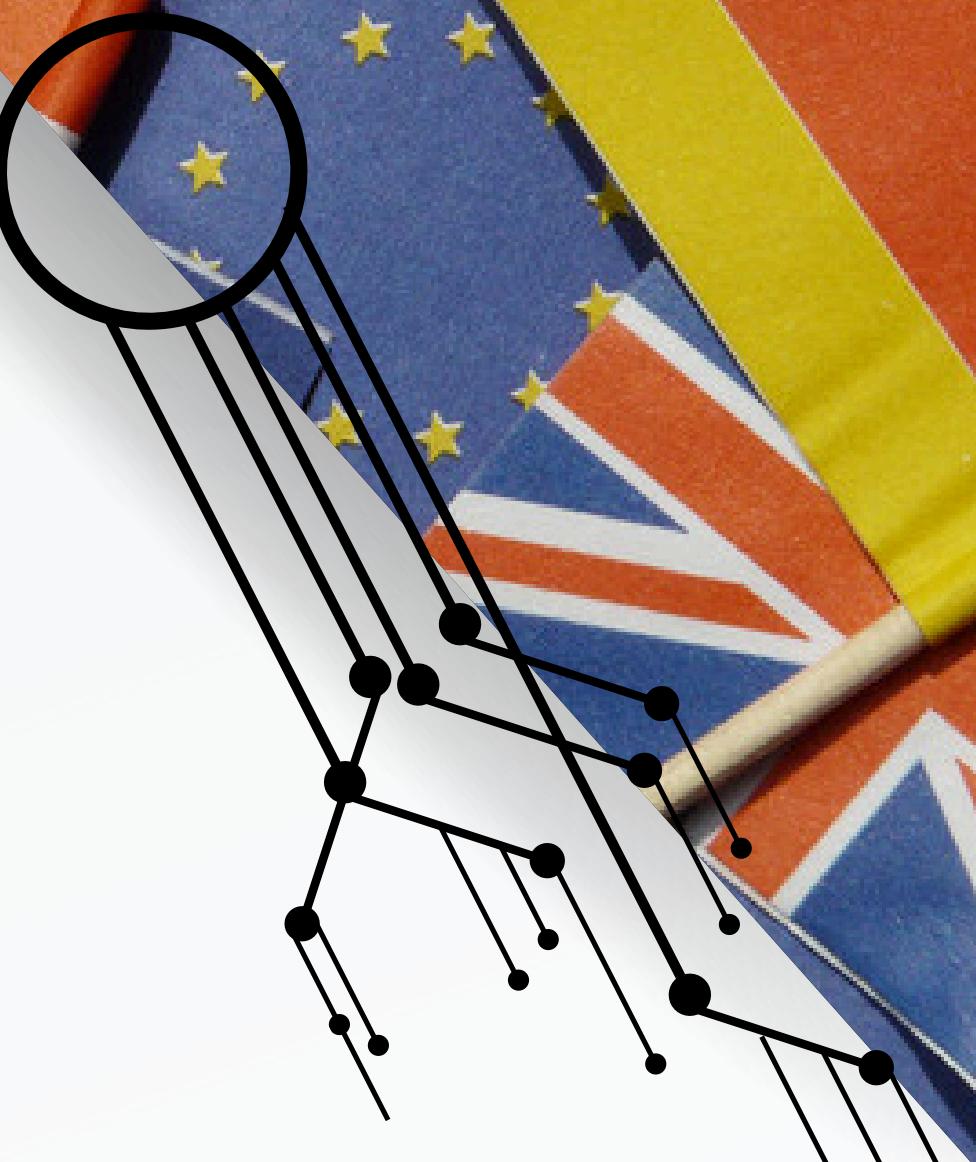


BRAINSTORMING

THIS IS HOW THIS AI AGENT SOLVES THE PROBLEM?

This AI can solve the problem by allowing users to compare different legal systems swiftly of the countries of EU, offering concise summaries of national frameworks that aid in resolving legal conflicts and applying jurisdictional principles accurately.

This AI agent offers dynamic and interactive comparisons of legal systems across multiple EU countries.



BRAINSTORMING

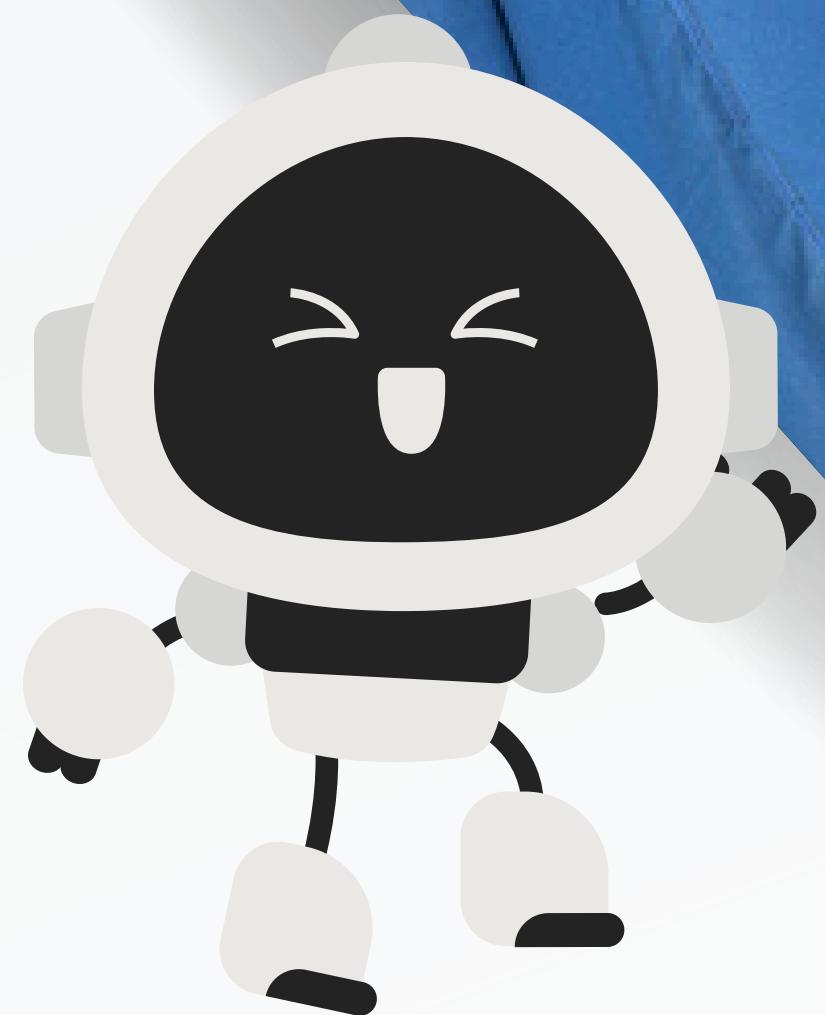
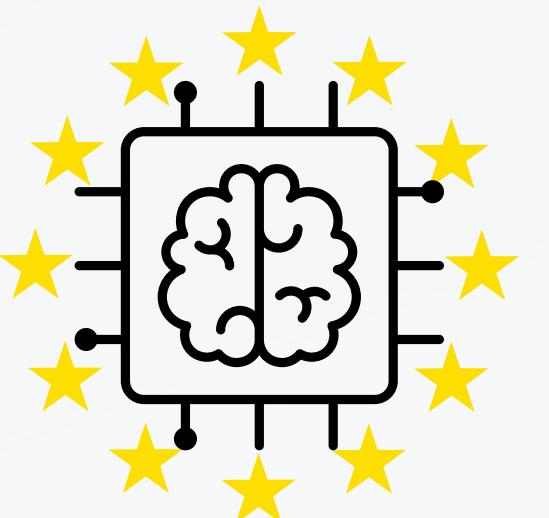
WHAT DOES THIS TOOL SERVE FOR?

This AI tool serves a variety of purposes, catering to the needs of students. For law students, it acts as a valuable educational resource.

It also helps in dealing with cross-border.

It enables swift comparisons of legal frameworks across different EU countries.

This efficiency is particularly valuable in high-pressure environments.

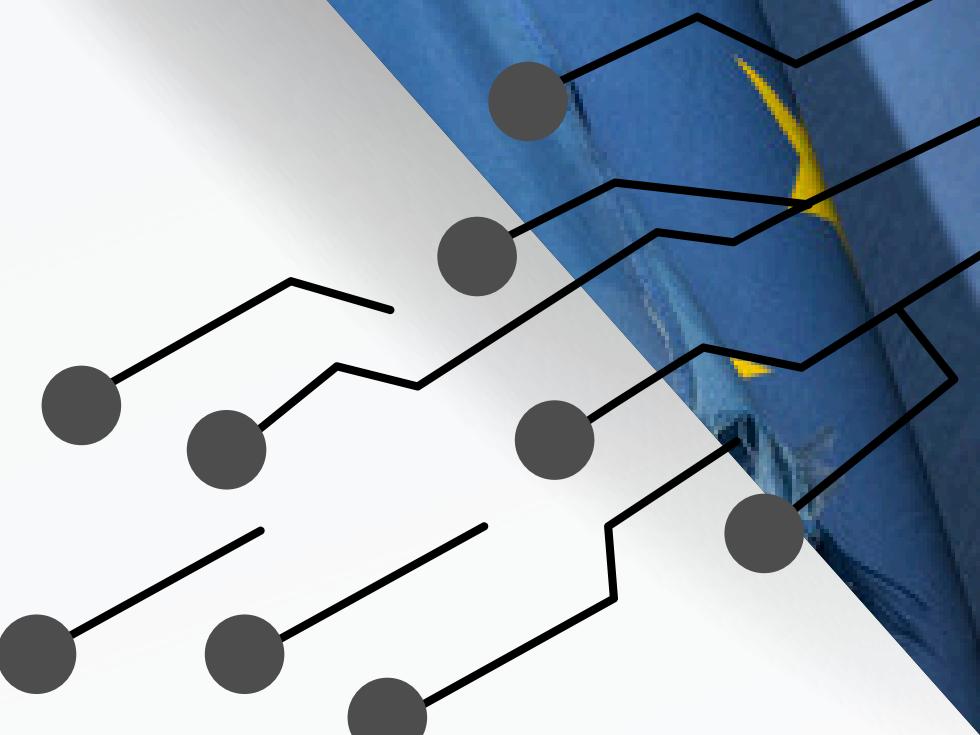


BRAINSTORMING

WHAT DOES THIS TOOL SERVE FOR?

The tool simplifies the intricacies of legal systems, making them more accessible to learners and those new to the field. By distilling complex legal texts into digestible formats.

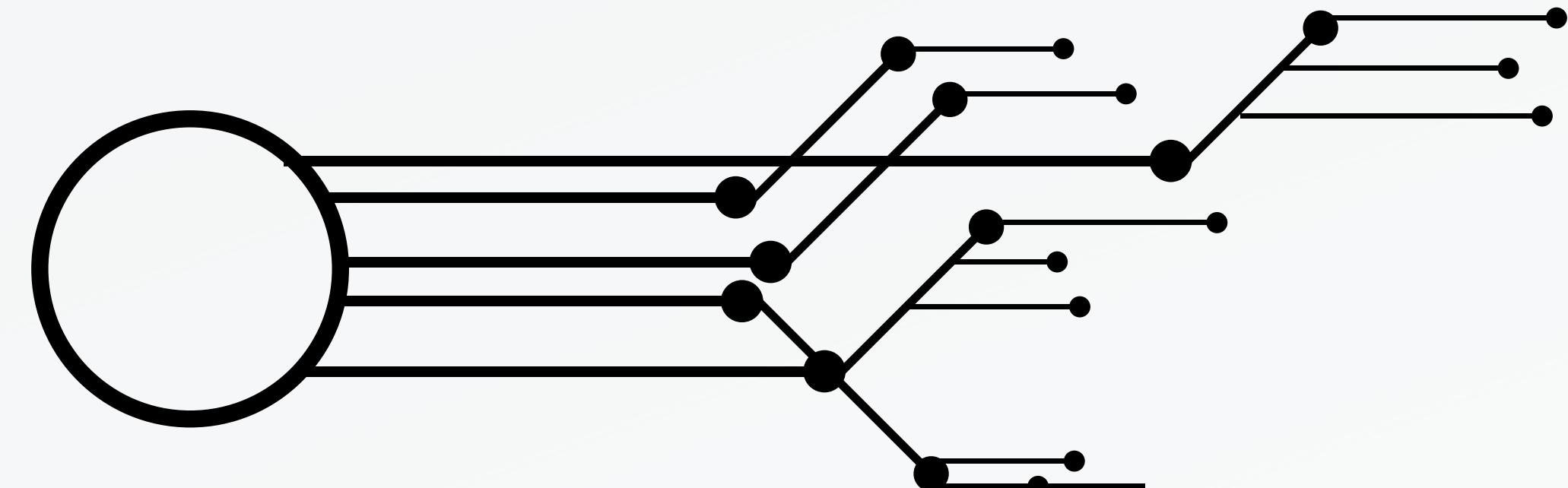
By providing quick and accurate insights into different legal systems, it supports better decision-making and fosters more efficient resolution of such challenges.

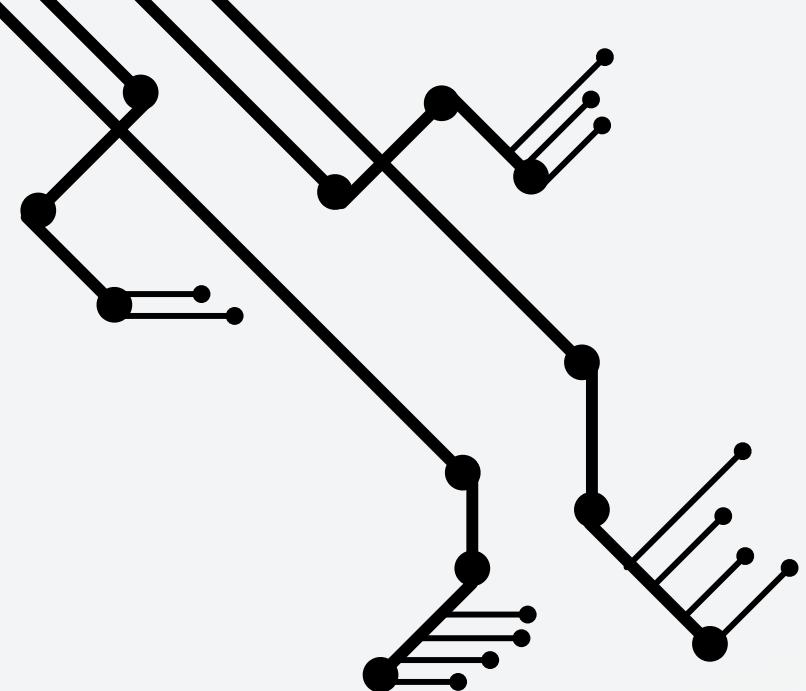




DEVELOPMENT

Demonstrate a live usage of the AI agent.

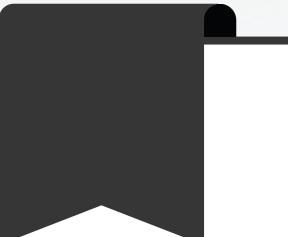




DOCUMENTATION



Provide users with quick, reliable, and pedagogically structured comparisons between national legal systems within the European Union.

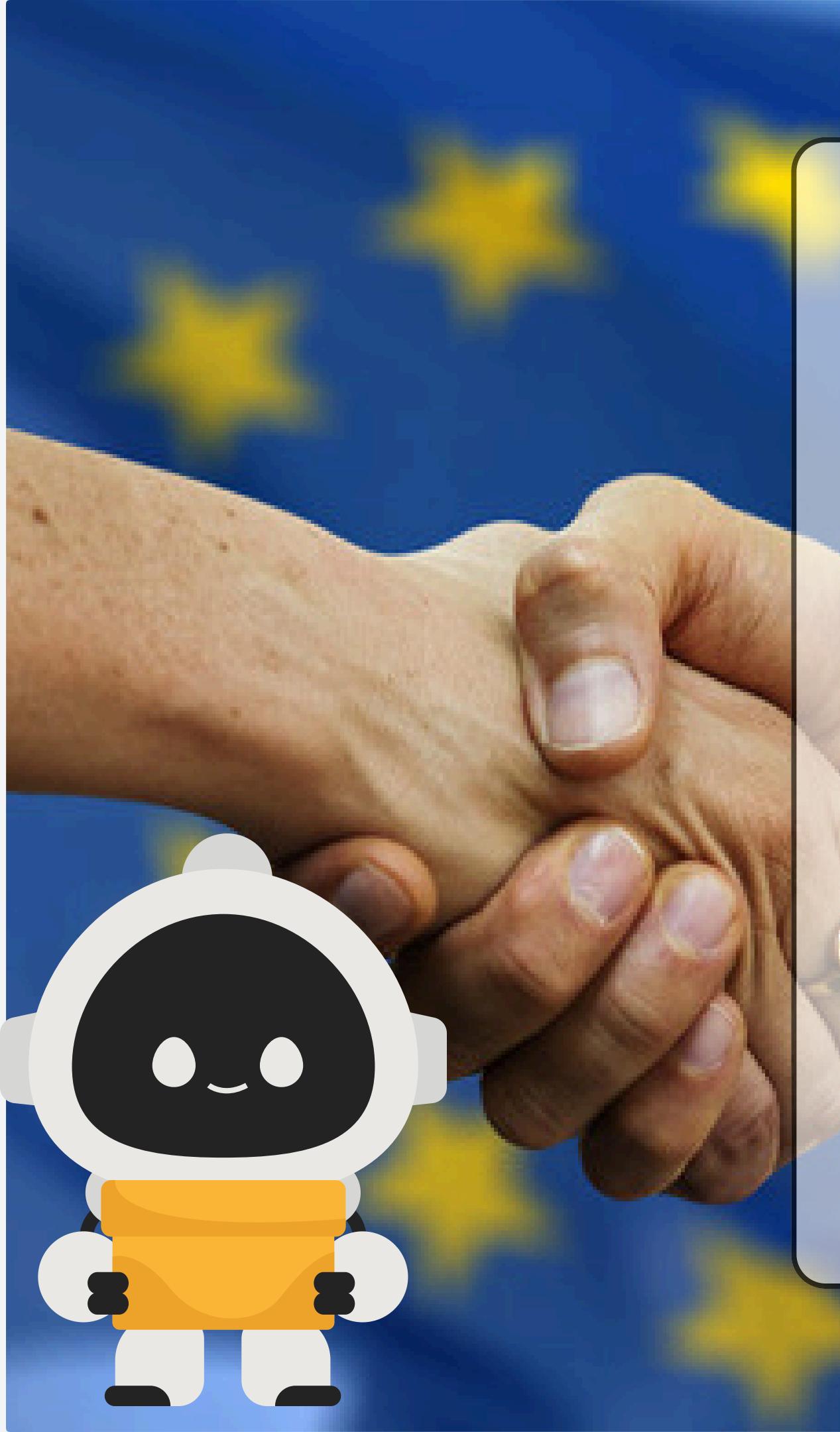


This project stands at the intersection of technology, legal knowledge, and educational accessibility.



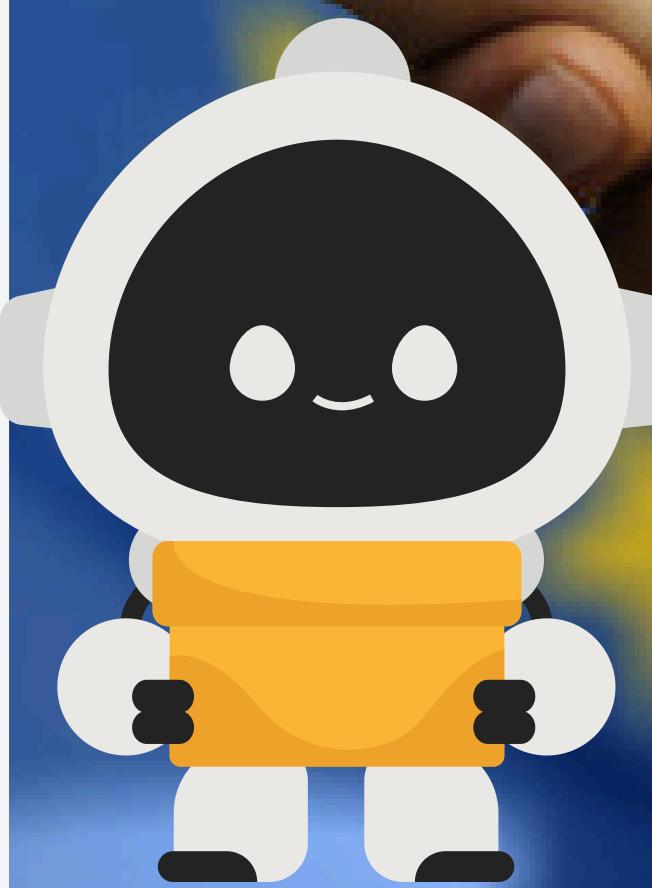
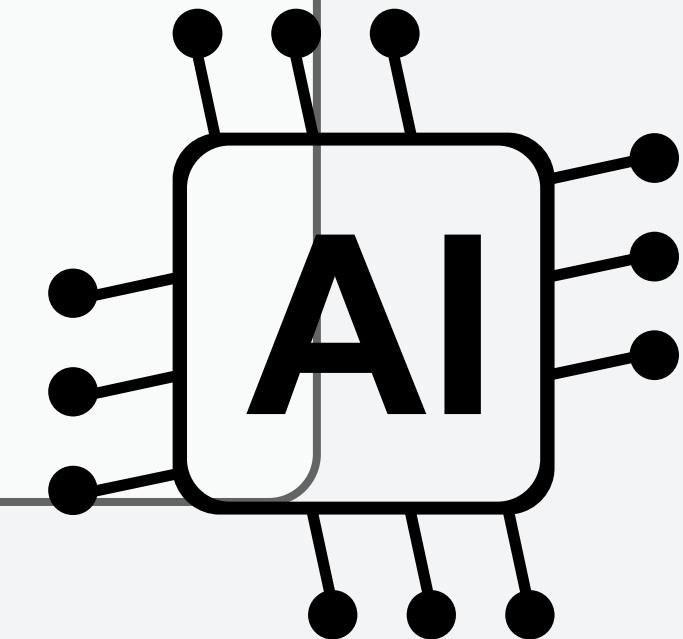
User-centered approach with a strong emphasis on accuracy, clarity, and academic rigor.





INTEGRATED ETHICS

- Academic neutrality: no hierarchy between systems
- Sources cited: Eurostat, EUR-Lex, Ministries of Justice website
- WARNING: the tool is complementary to the study, not an official source.



TECHNICAL ARCHITECTURE: STRUCTURE, DATA, AND FUNCTIONING

To bring this vision to life, we had to make key technical decisions.

First, we defined a strict framework for the information

- Legal system type
- Year of adoption of the current Constitution
- Relationship with EU law
- Structure of the national judiciary
- Existence and role of a constitutional court
- Key political or institutional particularities

We quickly realized that processing data for all 27 EU member states at once created too many errors and overloaded the agent.

Thus, we divided the data into several separate databases

We relied exclusively on reliable, public, and verifiable sources for data collection, including:

- EUR-Lex (the EU's legal database),
- Eurostat.

We then organized the collected information in JSON files.



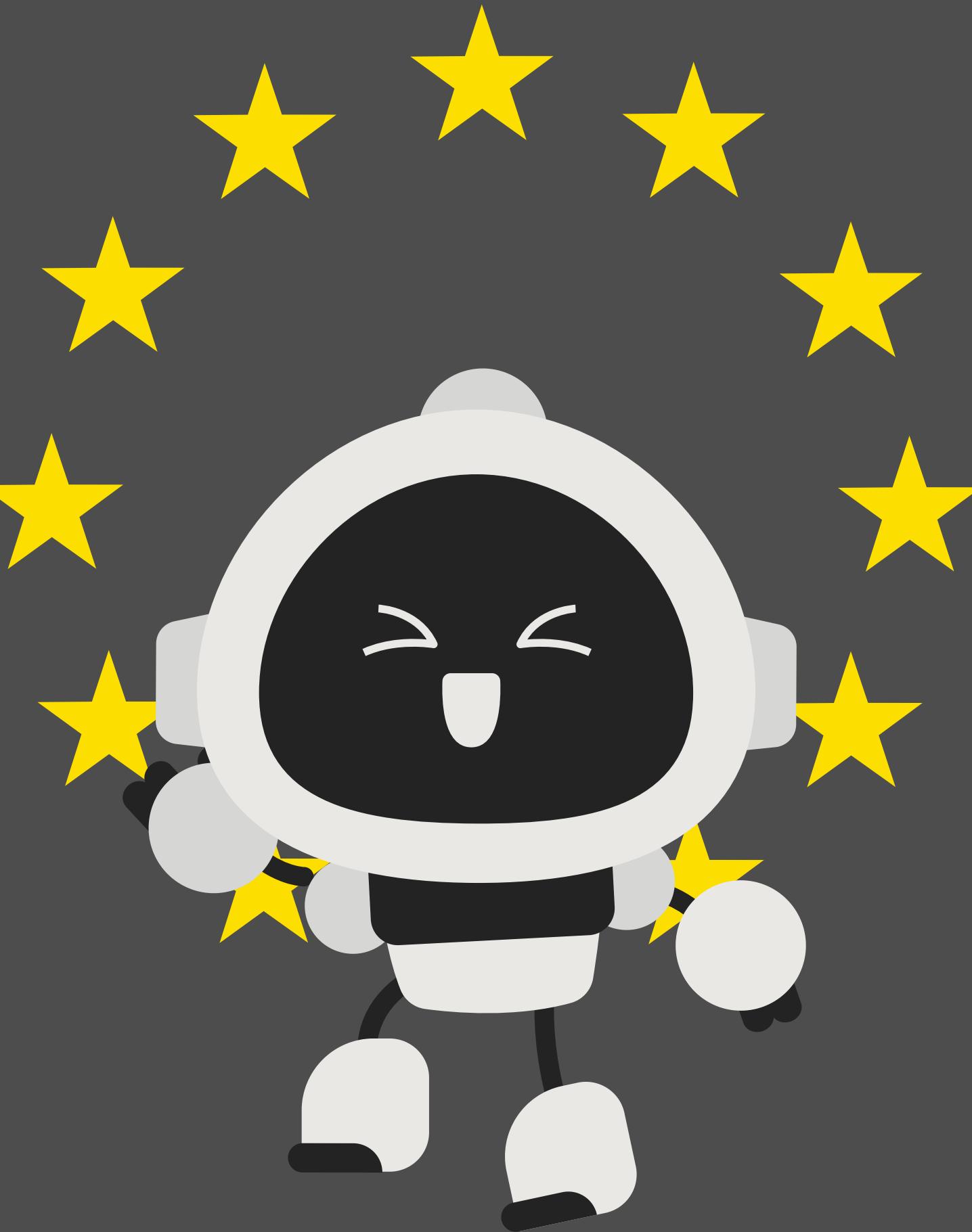
WHY CHOOSE THE JSON FORMAT?

- Readability
- Direct compatibility with the AI
- Portability and flexibility
- Scalability

To avoid overloading the agent, we split the data into multiple JSON files.



```
{  
    "pays": "France",  
    "type_droit": "Civil law (droit continental)",  
    "constitution": {  
        "existence": true,  
        "année": 1958,  
        "type": "Constitution rigide",  
        "contrôle_de_constitutionnalité": "Oui (a priori et a posteriori depuis 2008)",  
        "organe_de_contôle": "Conseil constitutionnel"  
    },  
    "hiérarchie_normes": [  
        "Constitution",  
        "Droit de l'Union européenne (primauté)",  
        "Traité internationaux",  
        "Lois organiques",  
        "Lois ordinaires",  
        "Ordonnances",  
        "Décrets",  
        "Arrêtés"  
    ],  
    "organisation_juridictions": {  
        "ordre_juridictionnel": ["Ordre judiciaire", "Ordre administratif"],  
        "juridiction_suprême": {  
            "ordre_judiciaire": "Cour de cassation",  
            "ordre_administratif": "Conseil d'Etat"  
        },  
        "juridiction_constitutionnelle": "Conseil constitutionnel"  
    },  
    "intégration_droit_UE": {  
        "approche": "Monisme",  
        "caractéristiques": "Reconnaissance directe du droit de l'UE ; primauté sur le droit interne à la fois pour les personnes et les entreprises"  
    },  
    "particularités_nationales": [  
        "Dualisme juridictionnel (judiciaire / administratif)",  
        "Pas de recours direct individuel devant le Conseil constitutionnel (sauf QPC via juge)",  
        "Tradition juridique fortement centralisée",  
        "Influence historique du Code civil napoléonien"  
    ]  
}
```



HOW THE AGENT WORKS: INSTRUCTIONS AND LOGIC

Two primary instructions:

- Request 1: “Compare the legal systems of [Country 1] and [Country 2]” — based on six fixed criteria.
- Request 2: “Give me a summary of the legal system of [Country]” — based on the same structured framework, adapted for law students.



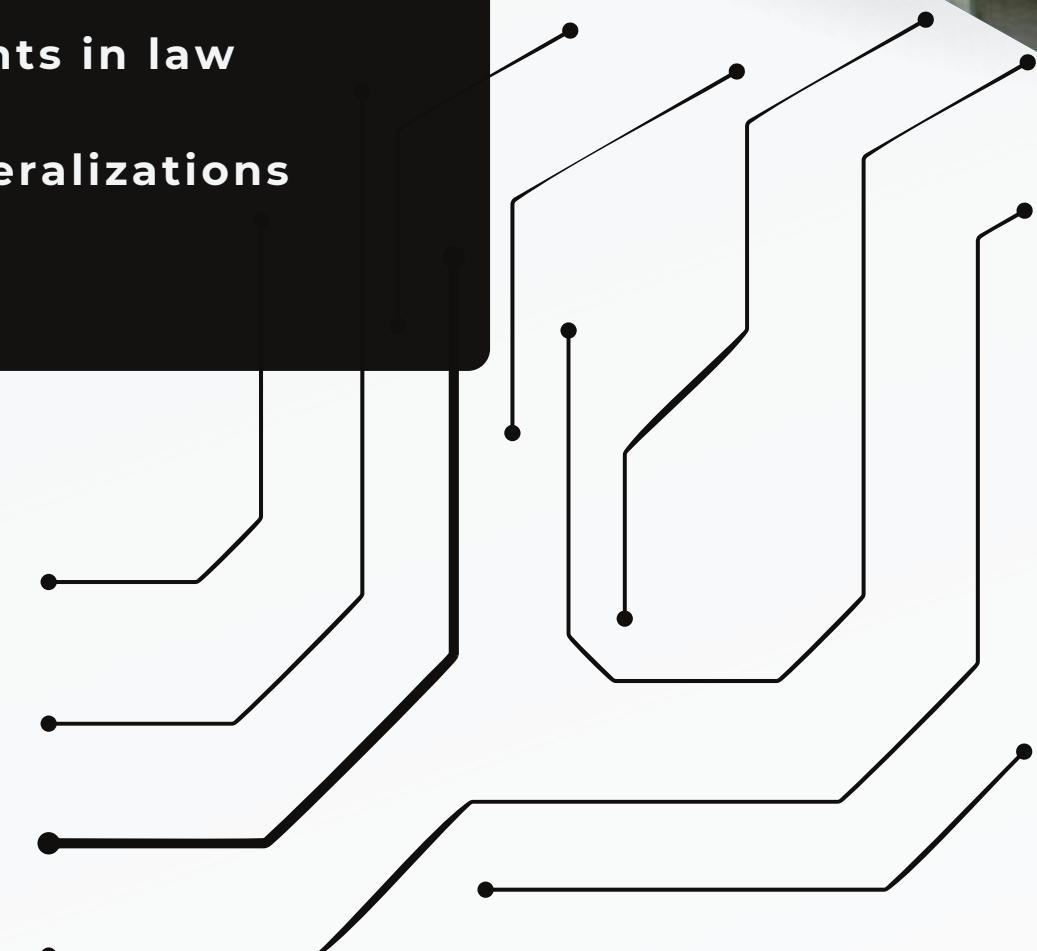
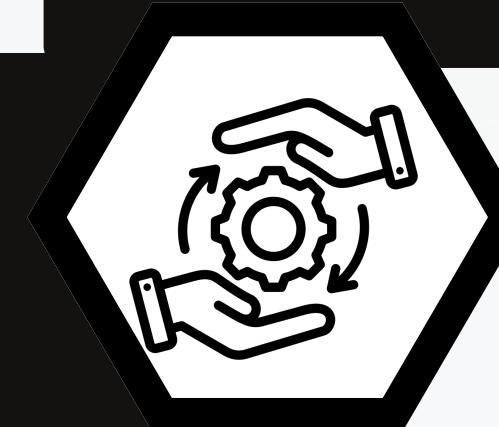
WHY IS EUROJURIS UNIQUE ?

**It is a specialized academic
assistant that:**



- Operates exclusively on a curated and structured database
- Responds consistently
- Uses language calibrated for students in law and political science;
- Avoids hallucinations or vague generalizations by relying only on validated data.

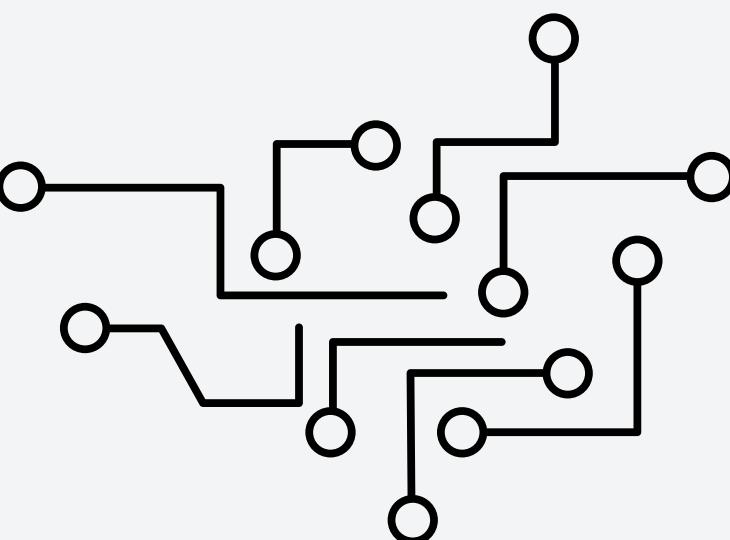
Its uniqueness lies in its ability to offer structured, comparative legal insight tailored to the academic context.



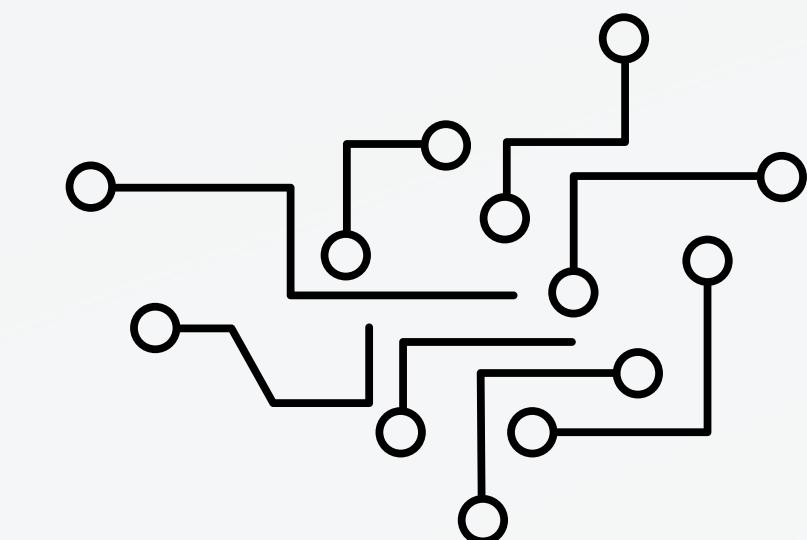


ETHICS AND RESPONSIBILITY

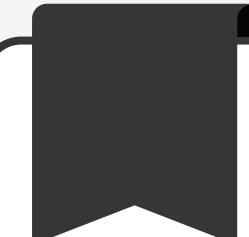
- Content neutrality**
 - Source transparency**
 - Cognitive accessibility**
 - Respect for legal diversity**
- 



IDENTIFIED LIMITATIONS AND FUTURE IMPROVEMENTS



As a first prototype, EuroJuris still has room for improvement:



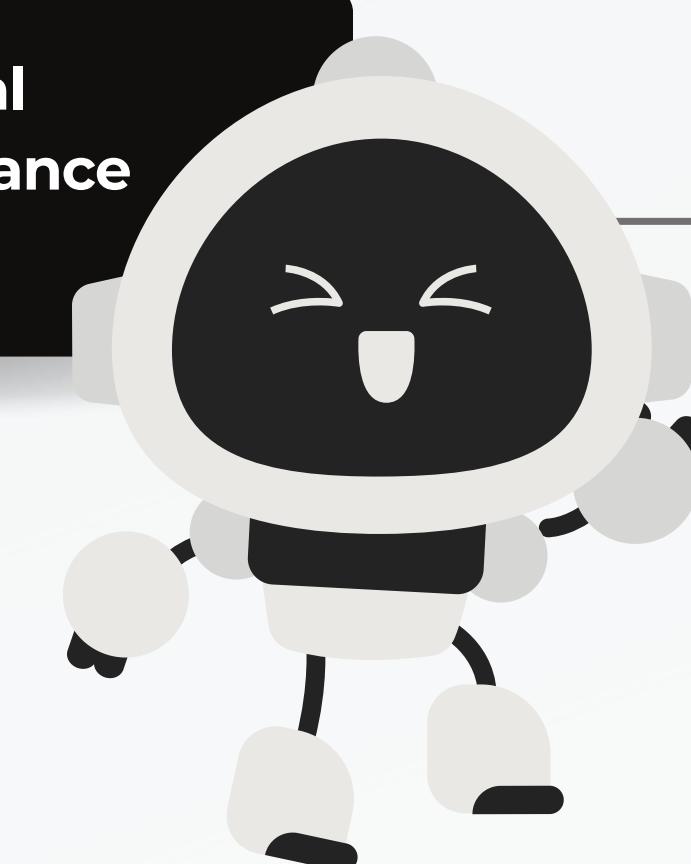
Static data: the JSON database is not yet automatically updated from live sources.



No bibliography feature yet



FUTURE UPDATES COULD INCLUDE:



Automatic updates from EU databases.

Integration of dynamic citations or hyperlinks.

Development of a visual interface or app to enhance user experience.

USE CASES

EuroJuris can be used in many academic contexts:

Example user queries include:



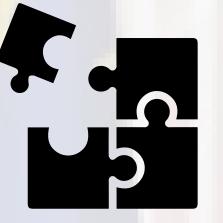
- As a study aid in European comparative law courses;



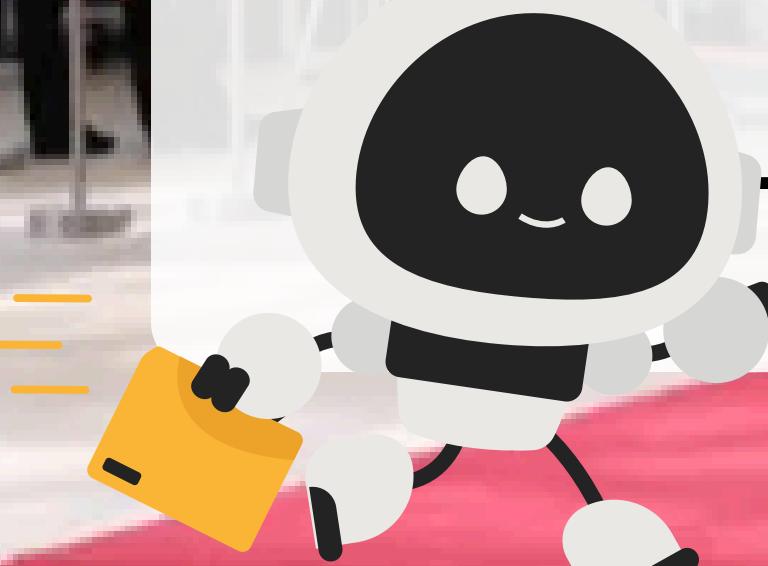
- As a tool for comparing systems before international exchanges (e.g., Erasmus)

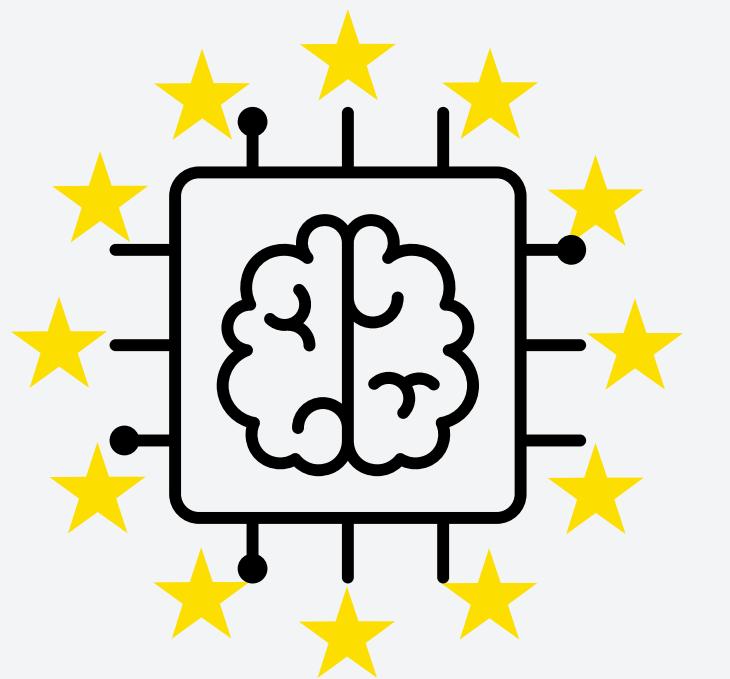


- “Compare the legal systems of Germany and Portugal.”



- “What are the main differences between the Spanish and Belgian constitutional courts?”





CONCLUSION

EuroJuris is more than a chatbot.

What makes it unique ?
Alignment with students' real academic needs, and its ability to transform complex legal data into clear, comparative, and accessible knowledge.

