

### Problem

There is a need for **integration** of all the **legal documentation** that is constantly being generated.

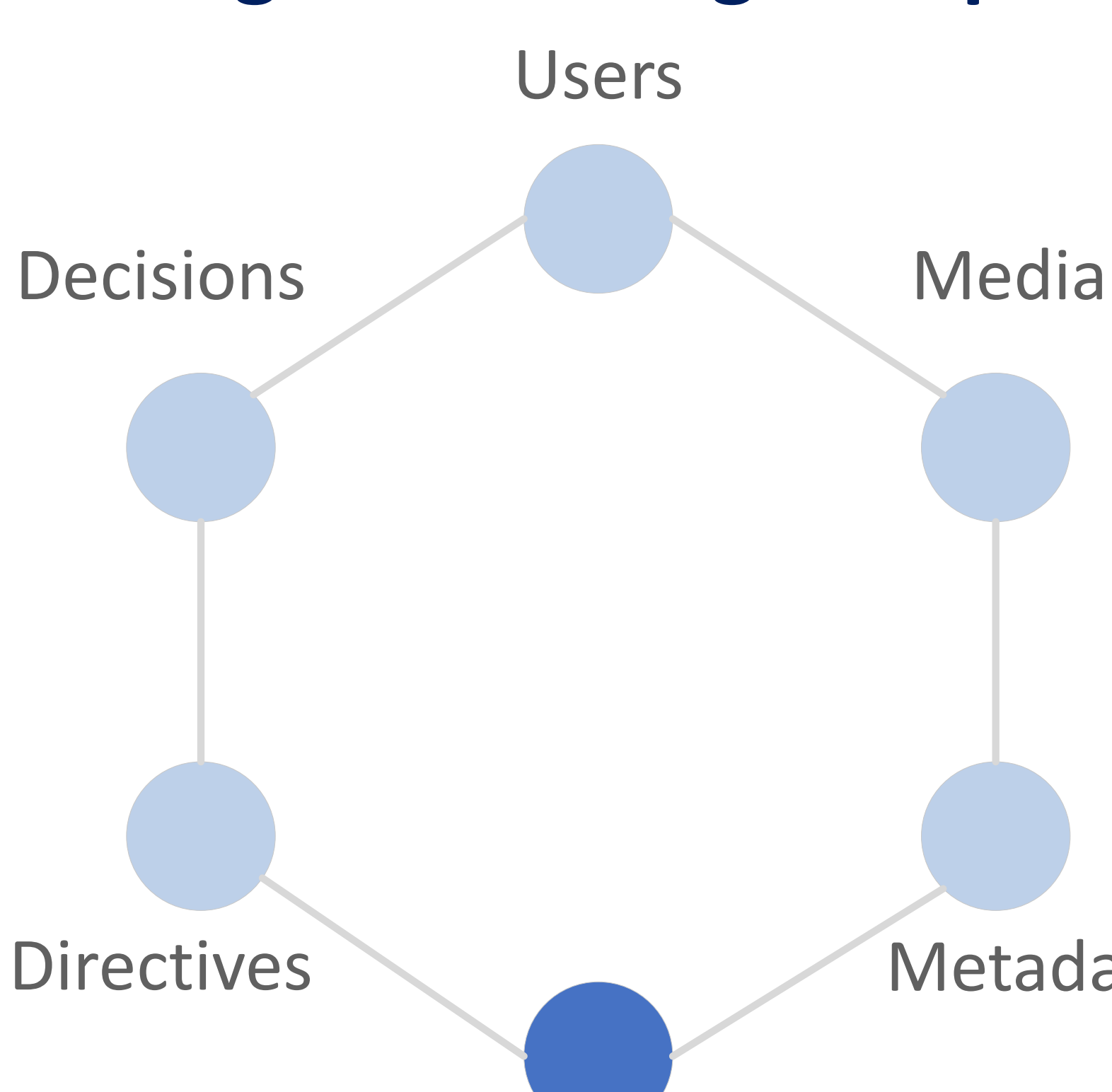
**Terminology work** helps, but existing resources are heterogeneous and scarce.

### Methodology

- **Identification** of existing legal language resources to reuse
- **Creation** of new resources (term extraction from legal corpora)
- **Conversion** into RDF format
- **Linking** with other open legal language resources

### Solution

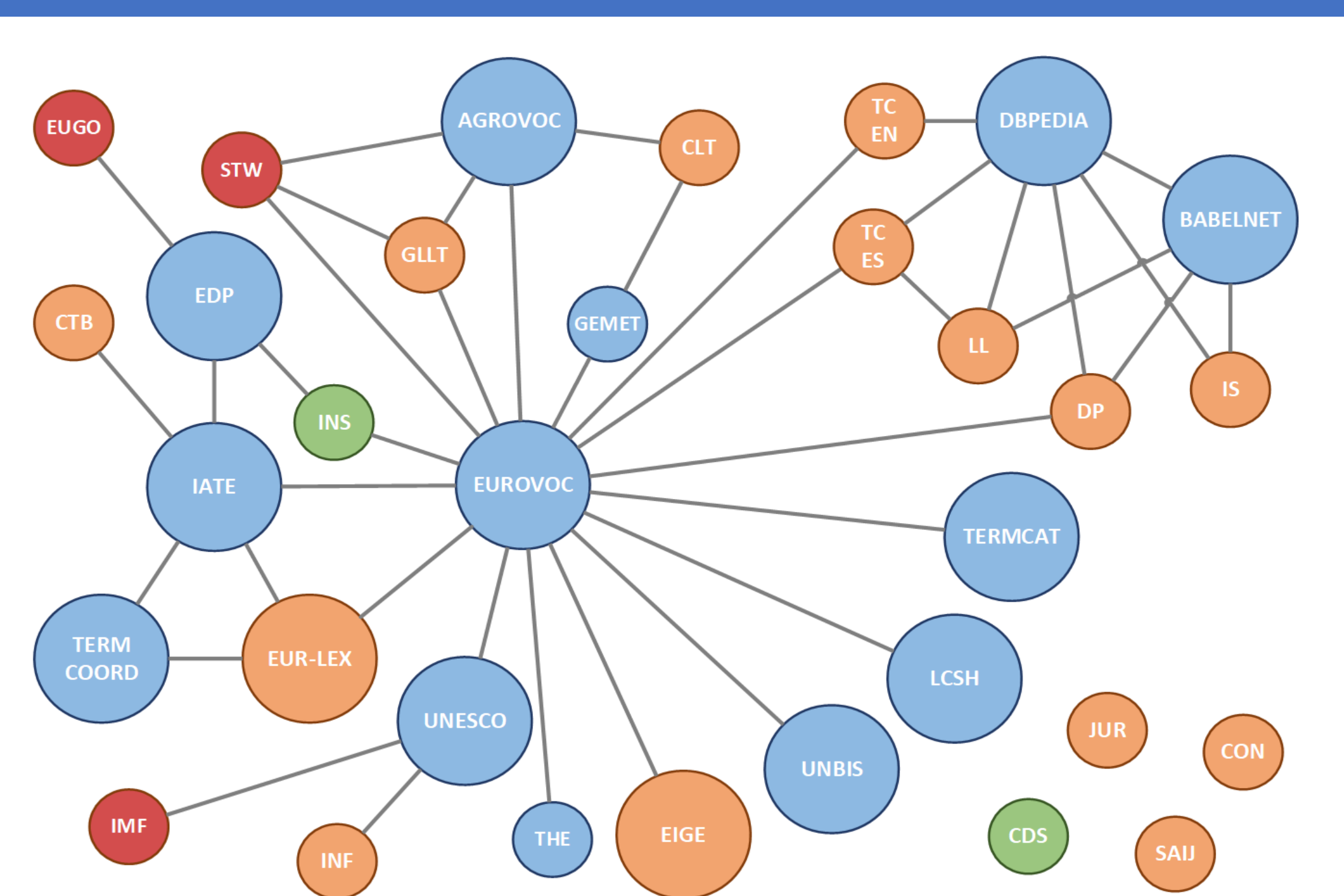
#### Legal Knowledge Graph



Legal Language Resources

- Document classification
- Text annotation
- Machine translation

### Result



### Conclusions

- Constant generation of legal documentation intended for **human consumption**; but **not for machines**
- Real need for the creation and publication of **legal linguistic** assets in **structured** and **open** formats
- A **higher level of automation** is required

### Future work

- Further **transformation** of resources into **RDF**
- **Automatic enrichment** of glossaries with **translations**, definitions and usage contexts
- **Automatic linking** glossaries with other resources

### References

[1] V. Rodríguez-Doncel, C. Santos, P. Casanovas y A. Gómez-Perez, «A Linked term bank of copyright-related terms», *Legal knowledge and Information Systems*, 2015.

[2] G. Boella, L. Di Caro, L. Humphreys, L. Robaldo, P. Rossi y L. van der Torre, «Eunomos, a legal document and knowledge management system for the Web to provide relevant, reliable and up-to-date information on the law», *Artificial Intelligence and Law*, 2016.

[3] M. L. A. Díez, B. Pérez-León, M. M. Martínez-González y V. Dámaso-Javier, «Propuestas de representación del tesauro Eurovoc en skos para su integración en sistemas de información jurídica», *Scire: representación y organización del conocimiento*, 2010.