# FORMAL METHODS AND AI FOR LAWS

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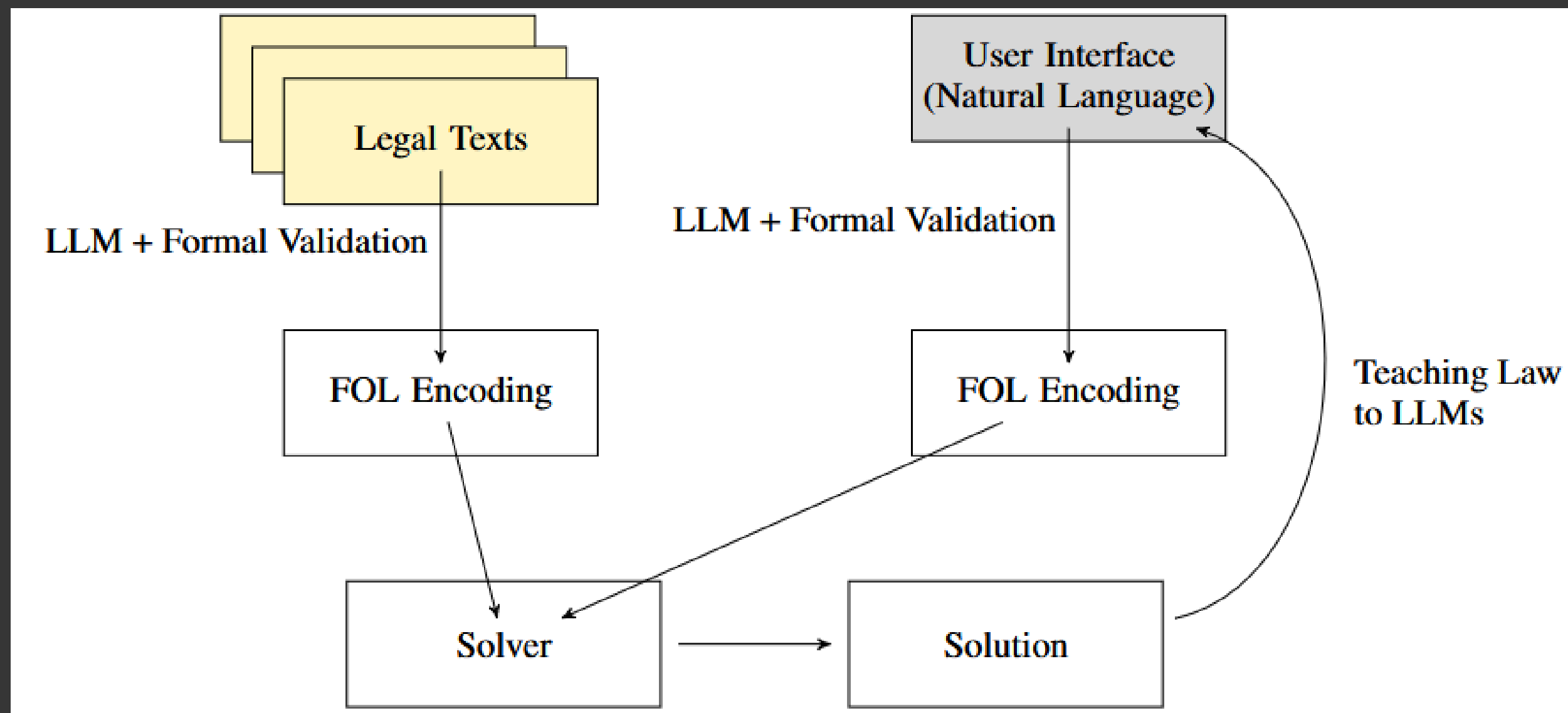
# PROBLEMS
## TO ADDRESS

- Search for legal information can be costly
- Lay people may have difficult in understanding of legal texts
- LLMs are not reliable

# PROPOSED SOLUTIONS

- Lawbots
  - AI assistance for experts
  - Democratization of legal information
- Translation of legal texts using formal methods

# PROPOSED LAWBOT MODEL

# POSSIBLE
## PROBLEMS

- Justice may sometimes be affected by social, economics or even racial aspects

- Experts must use it as a tool, not as an irrefutable truth

- Use of ressources to train LLMs with enourmous amount of information

# OTHER
## USAGES

- Formal models use can be extended to other areas such as medicine literature

# ADEME
## SCENARIO

- Green Technologies
  - Lawbots can be used to help implementing new environmental legistation projects
  - Use of green technology in its development