

NSF Frontier: Towards Effective Web Privacy Notice and Choice

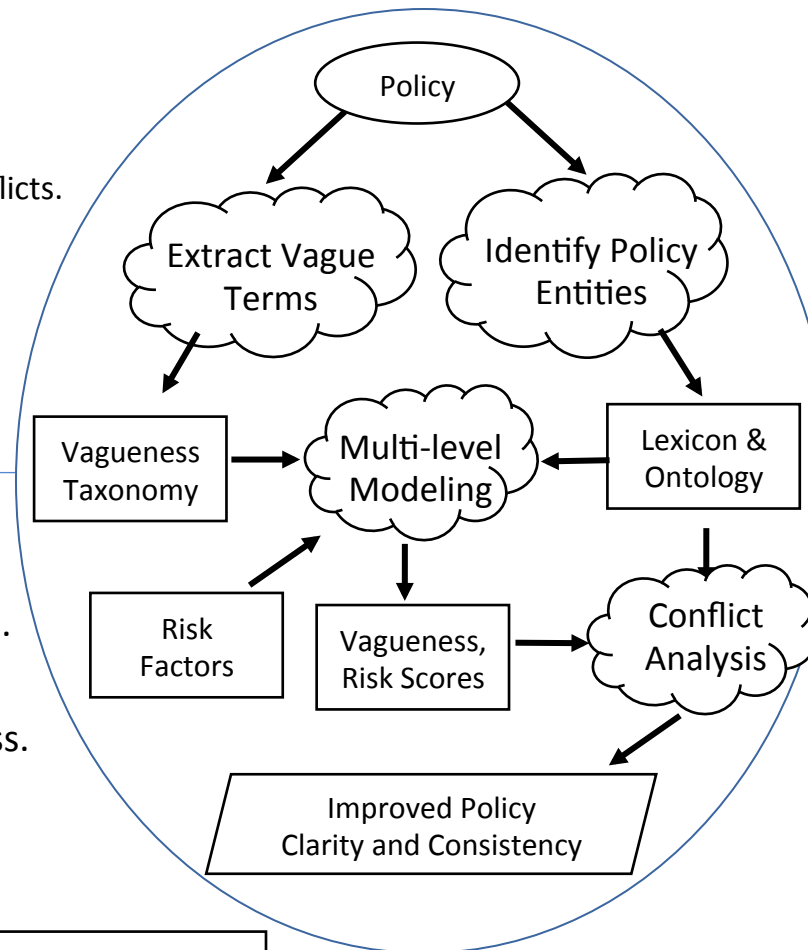
Privacy Policy Ambiguity and Privacy Risk

Challenge:

- Identify privacy policy conflicts.
- Identify effects of policy vagueness on privacy risk.

Solution:

- Annotate policy entities.
- Model data flows.
- Score risk and vagueness.



Scientific Impact:

- New theory to predict and explain policy vagueness' effect on privacy risk and system design flexibility
- Prioritize risky, uncertain practices for increased privacy assurance

Broader Impact:

- Recommendations to regulators on model policy language
- Risk scoring integrated with security incident sharing
- Policy models used to check mobile apps for policy violations