



Engaging Content
Engaging People

GDPR Ontology Representation

Using Semantic Web Technologies for assisting in GDPR compliance

- Track user consent and personal data in activities
- Check GDPR compliance over provenance of activities and data
- Data sharing agreements with Third Parties

Industry Benefits

Common Model for Data

Combine efforts for compliance

Share Best Practices

Documentation for Compliance

Use Cases

Detect potential risks in new activities

Ensure legal justification for using and sharing data

Track data shared with Third Parties

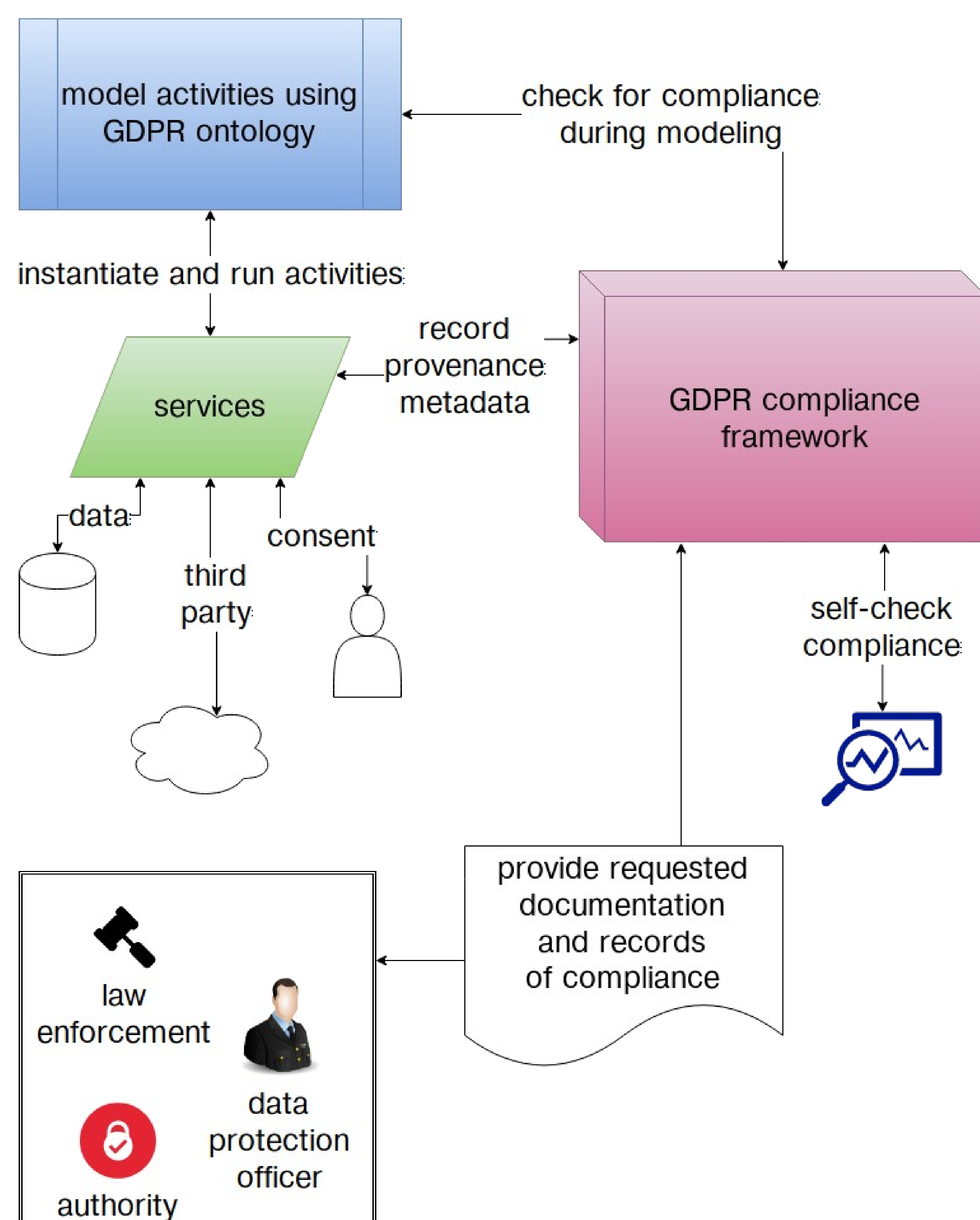
Extend common model with specific or internal requirements

Industry Challenge: Document & ensure activities comply with GDPR

- GDPR fines up to 4% of global turnover
- How to ensure activities are compliant?
- How to systematically record processing metadata?
- How to retrieve information for past activities?

Our Solution:
GDPR consent management framework
 Our aim is to use to build a modular framework that records and queries all relevant metadata to help with modelling and demonstrating compliance in adherence to GDPR obligations. Semantic web technologies provide a set of technologies that can be easily extended, shared, and queried between various stakeholders

- Use RDF/OWL + SPARQL for storing and querying
- Model and check system for compliance
- Common data format ensures interoperability
- Assist in compliance through documentation
- Ensure maintenance of records and compliance



The framework can aid organisations in assessing and demonstrating their compliance efficiently. For more information, contact: collaboration@adaptcentre.ie

To learn more about innovative ADAPT technologies, contact: collaboration@adaptcentre.ie