



## An ODP for Describing Personal Data in Privacy Policies

Harshvardhan J. Pandit, Declan O'Sullivan, Dave Lewis

**ADAPT Centre, Trinity College Dublin, Dublin, Ireland** 

{ harshvardhan.pandit | declan.osullivan | dave.lewis } @ adaptcentre.ie @coolharsh55 https://openscience.adaptcentre.ie/

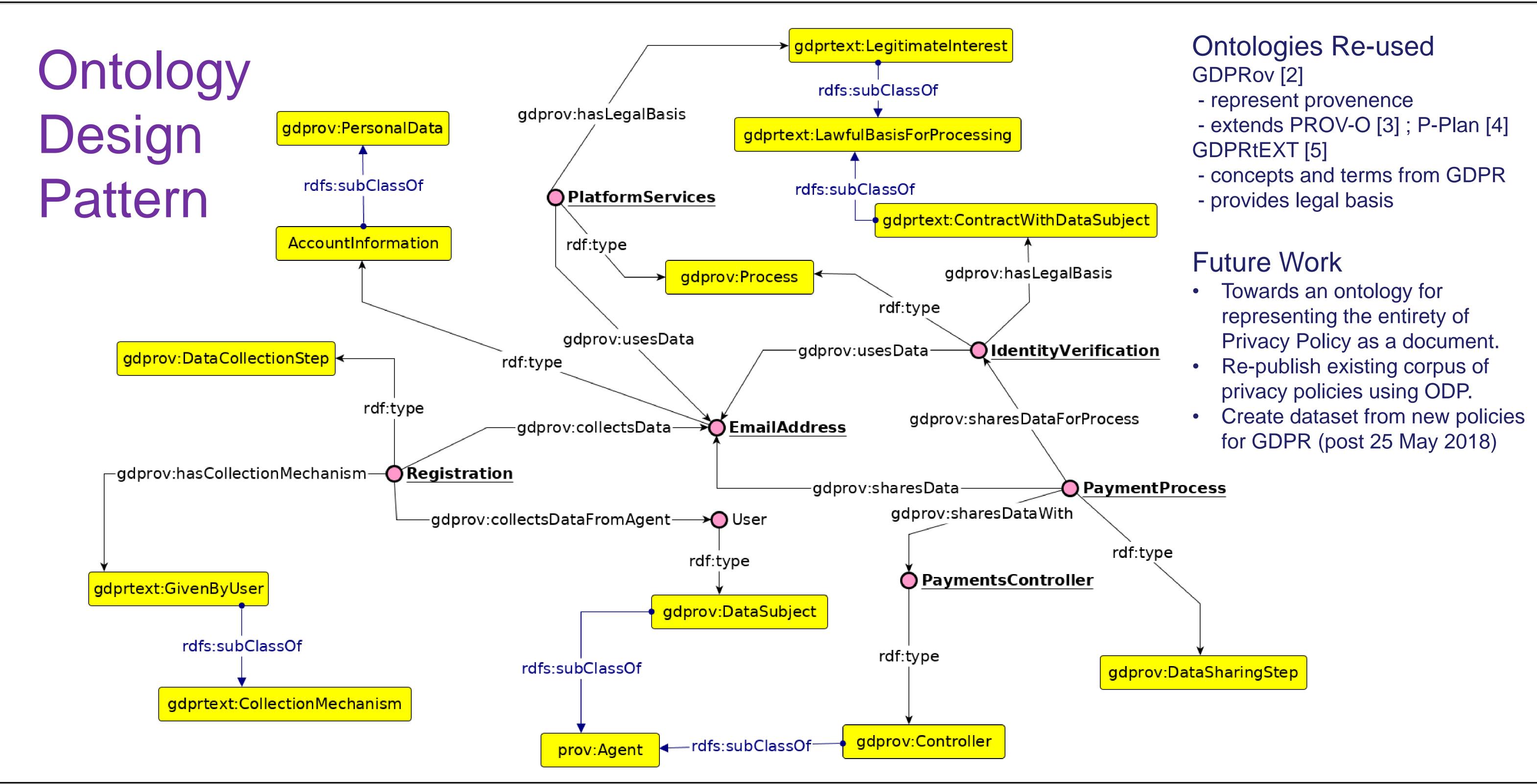
## Problem Domain

- Privacy Policy is a legal document that specifies information regarding the use of Personal Data amongst other things.
- This information needs to be represented as machine-readable metadata to enable machine-based approaches over it.
- Approaches that work with Privacy Policies have their own internal representation of this metadata specific to their aims.
- It is difficult to garner consistency and standardisation on privacy policies as a document itself.



## Solution Sphere

- 1. Identify relevant information that is common to all privacy policies.
- 2. Incorporate legal requirements from General Data Protection Regulation (GDPR).
- 3. Use existing vocabularies to represent concepts and relations.
- 4. Define an ODP that can be incorporated into ontologies or used as a mapping between approaches.
- 5. Create a corpus of privacy policy metadata using ODP  $\rightarrow$  future work!



[1] Privacy Policy <a href="http://openscience.adaptcentre.ie/privacy-policy/personalise/demo/policy.html">http://openscience.adaptcentre.ie/privacy-policy/personalise/demo/policy.html</a> Re-used under CC-by-4.0

[2] GDPRov – GDPR Provenance Vocabulary <a href="https://w3id.org/GDPRov">https://w3id.org/GDPRov</a>
[3] PROV-O: The PROV Ontology W3C Recommendation 30 April 2013

[3] PROV-O: The PROV Ontology. W3C Recommendation 30 April 2013. <a href="http://www.w3.org/TR/prov-o/">http://www.w3.org/TR/prov-o/</a>

[4] The P-PLAN Ontology. Release 12 March 2014. <a href="http://purl.org/net/p-plan">http://purl.org/net/p-plan</a>

[5] GDPRtEXT – GDPR Text Extensions. <a href="https://w3id.org/GDPRtEXT">https://w3id.org/GDPRtEXT</a>

Presented at 9<sup>th</sup> Workshop on Ontology Design Patterns (WOP2018) Co-located with 17<sup>th</sup> International Semantic Web Conference (ISWC2018)

