GDPR, Consent, and Semantic Web

Harshvardhan J. Pandit

Theme-E :: Trinity College Dublin

@coolharsh55 :: harshvardhan.pandit@adaptcentre.ie

Research Goal

Use of semantic web technologies to assist with GDPR compliance

https://openscience.adaptcentre.ie/ ← OA publishing of resources

1. Linking information with clauses of GDPR

2. Representing information
   a) Activities associated with personal data and consent
   b) Consent metadata

3. Validating information

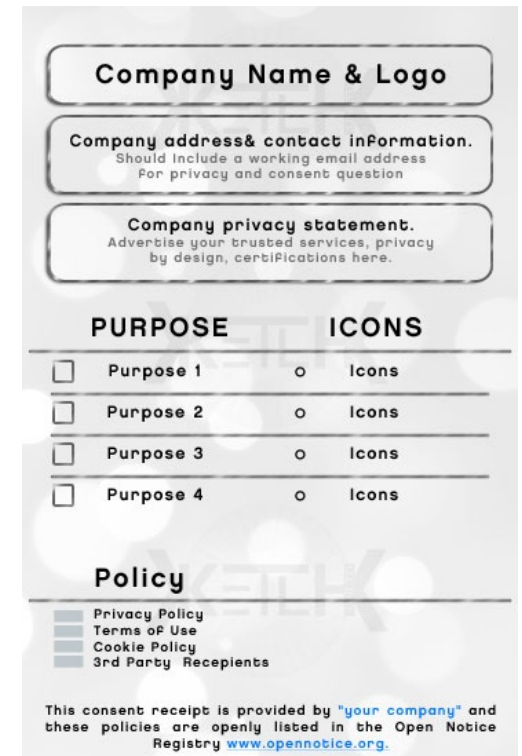4. Querying information

5. Build a compliance 'knowledge-graph'

- Data Privacy Vocabularies and Controls W3C Community Group (DPVCG) https://www.w3.org/community/dpvcg/

- A collaboration of academic researchers, legal experts, data protection officials, and industry stakeholders

- Goal: standardize vocabulary for "data processing" based on GDPR

- Published: Data Privacy Vocabulary (DPV) https://www.w3.org/ns/dpv

- Editor of DPV; Acting as co-chair since Jan 2020

Contributor to Kantara Initiative
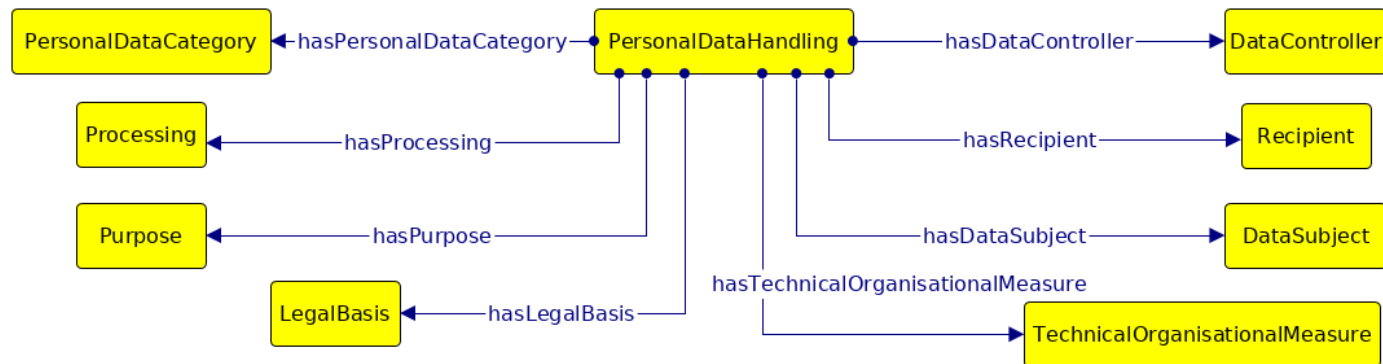
- Kantara is a non-profit initiative that has developed

- Consent Receipt utilised in ISO/IEC DIS 29184 Information technology — Online privacy notices and consent

- AdvCIS is a WG within Notice & Consent project

- Goal: 'Global' specification for consent receipt

- Contributor to AdvCIS and DPVCG liason
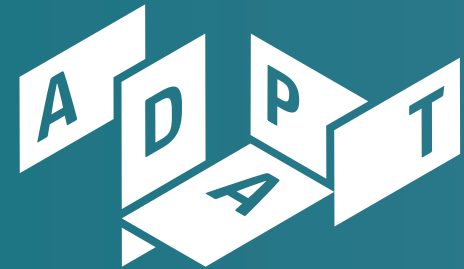
- Editor of Consent Receipt v2

That sums up 2016 - 2020
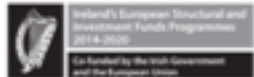
Harsh

@coolharsh55

harshvardhan.pandit@adaptcentre.ie

www.adaptcentre.ie

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