

Data Privacy Vocabulary (DPV)

Harsh(vardhan J. Pandit)

Research Fellow @ ADAPT Centre, Trinity College Dublin Email: pandith@tcd.ie | Twitter: @coolharsh55

https://harshp.com/research

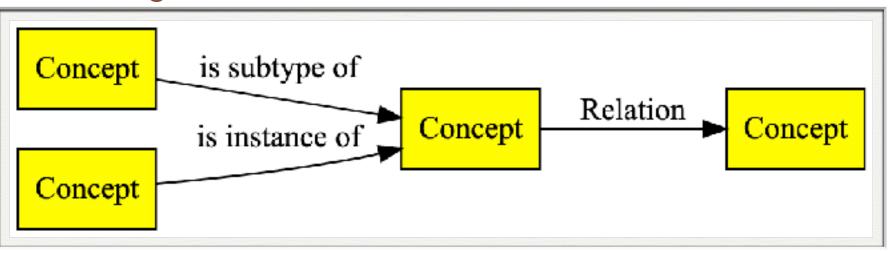


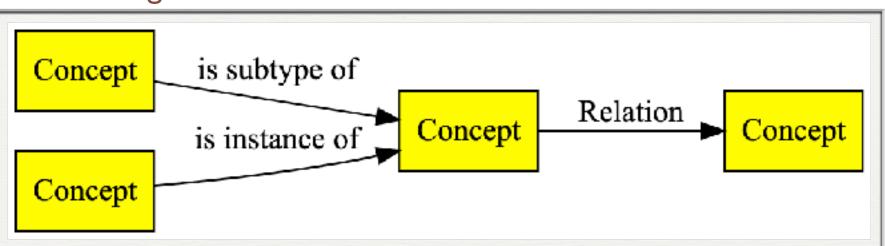


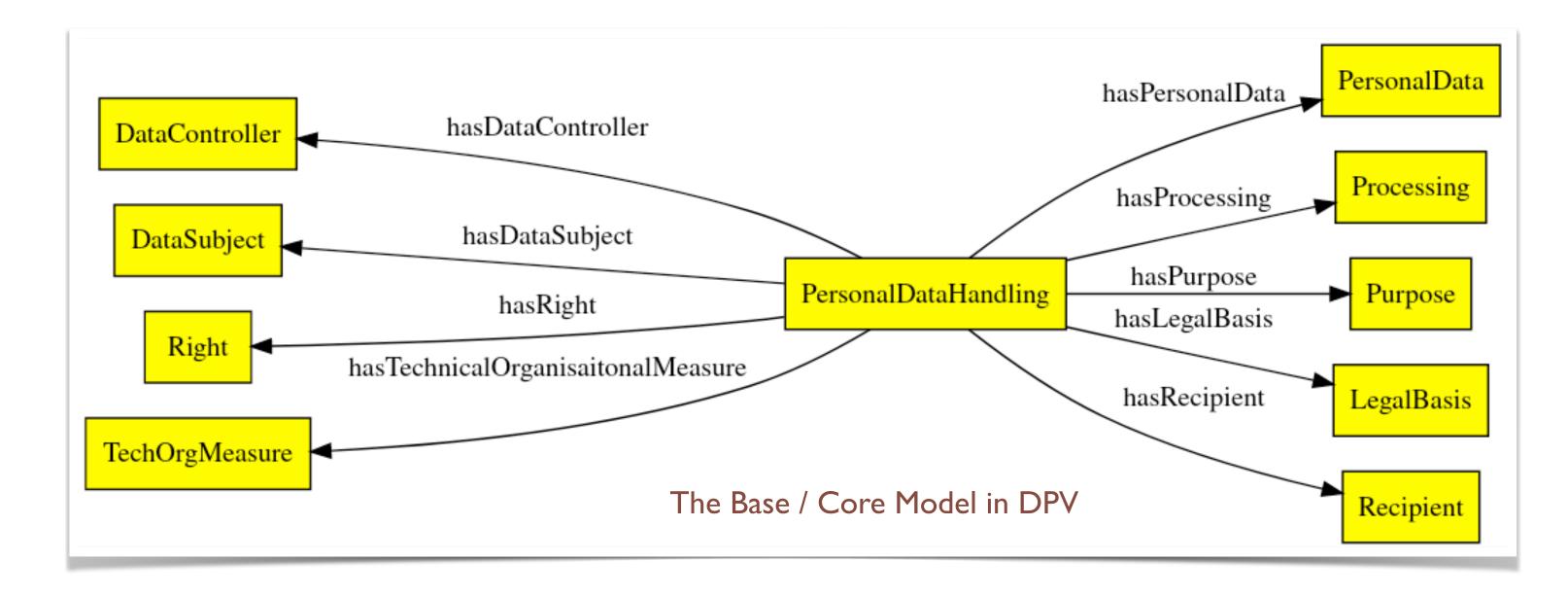


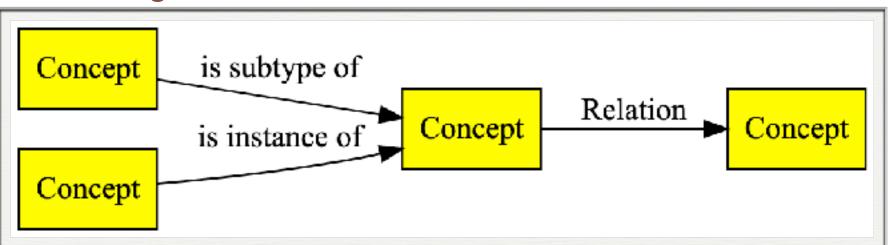


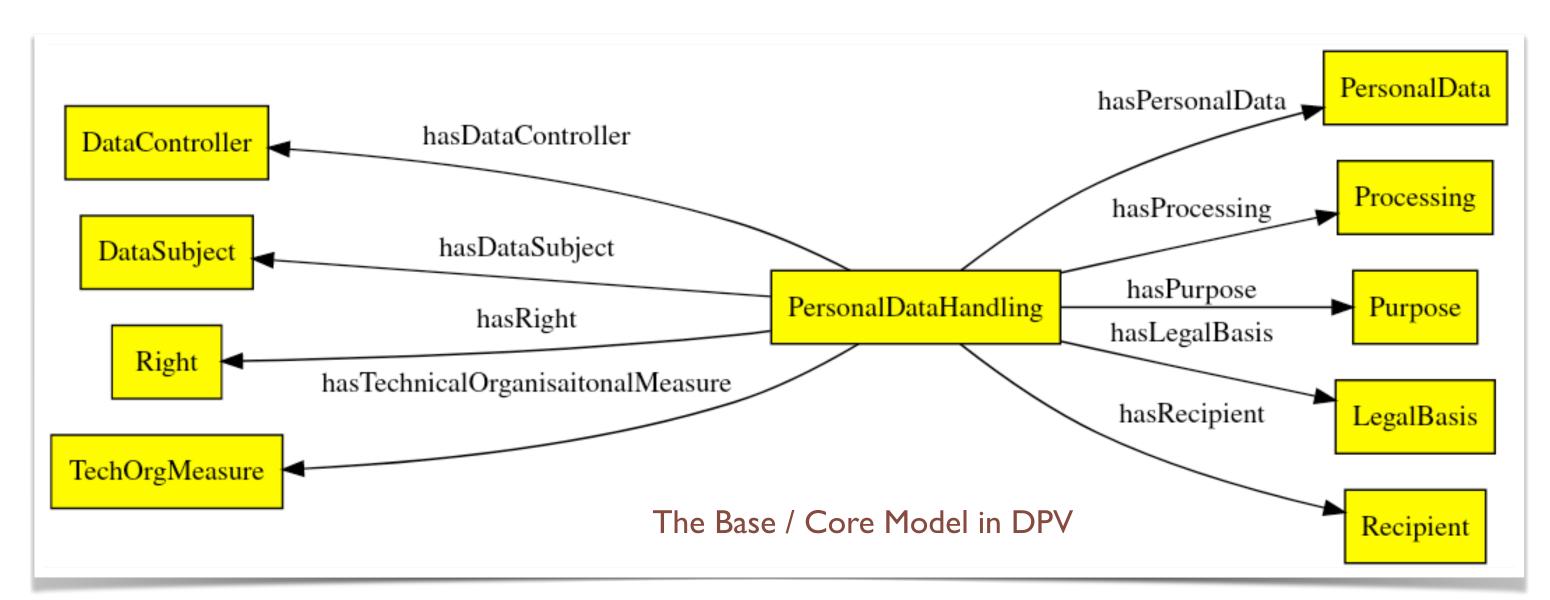




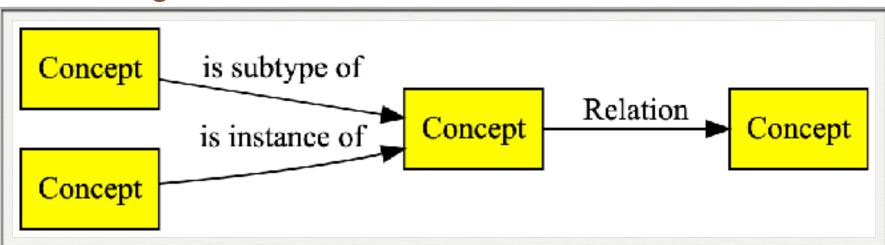


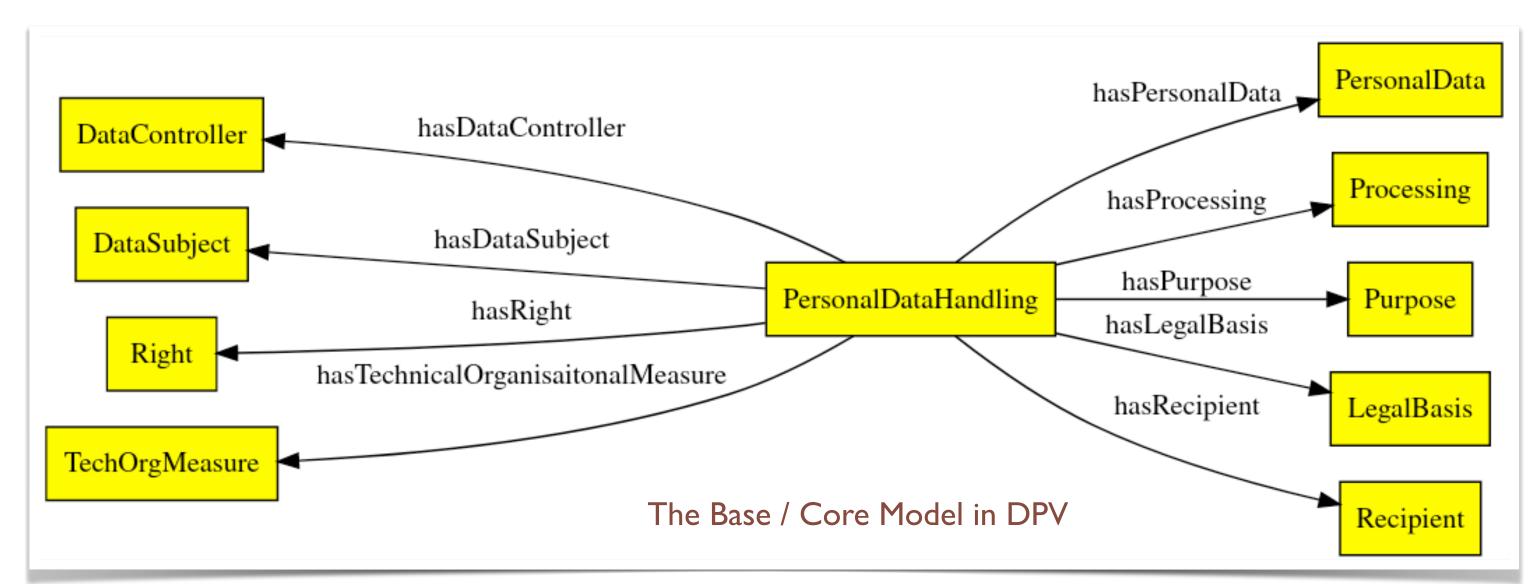




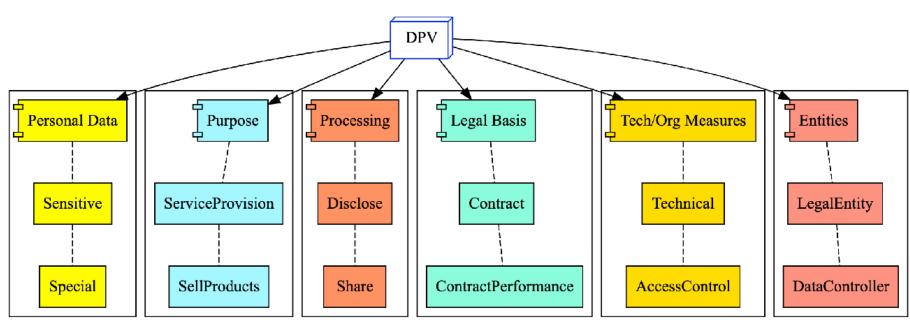


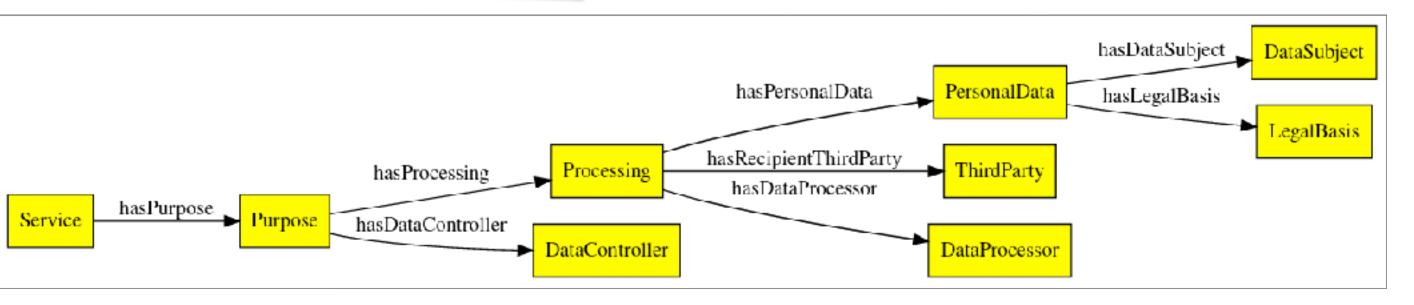
Taxonomies for Core Concepts Entities Tech/Org Measures Purpose Legal Basis Personal Data Processing Technical Sensitive Disclose ServiceProvision Contract LegalEntity SellProducts Special ContractPerformance AccessControl DataController



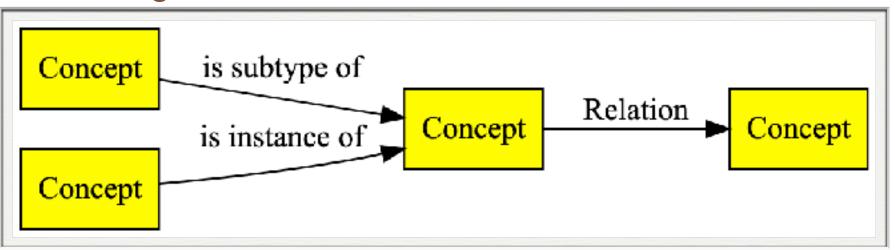


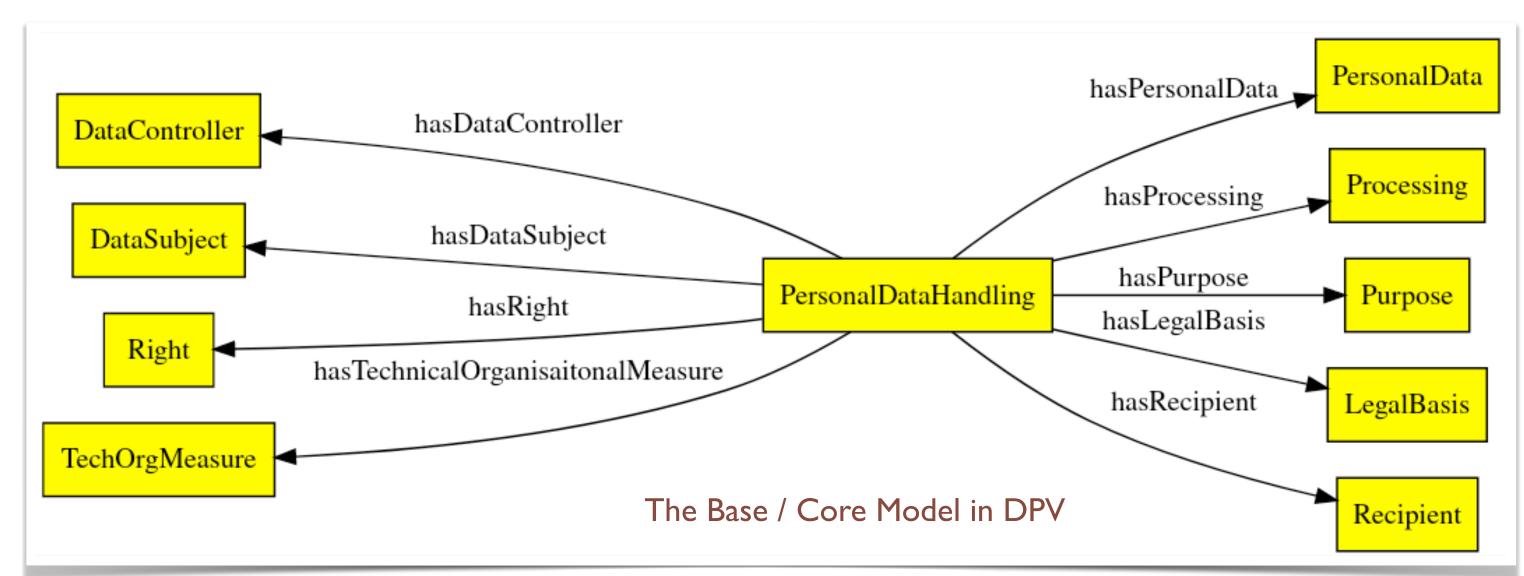
Taxonomies for Core Concepts



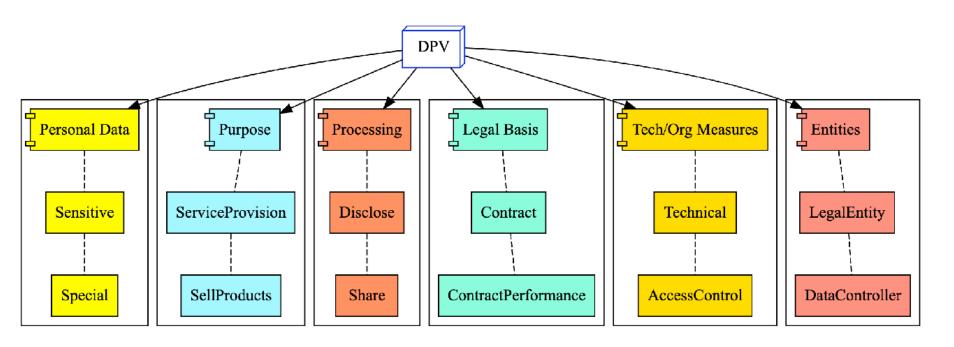


Alternate Models that suit YOUR use-cases





Taxonomies for Core Concepts



DPV-GDPR: GDPR Extension for DPV

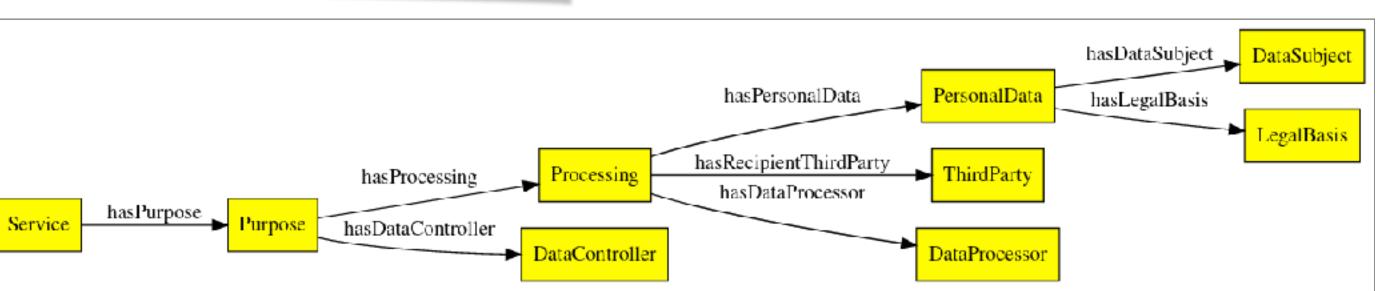
version 0.7

<u>Draft Community Group Report</u> 25 May 2022

Latest published version:

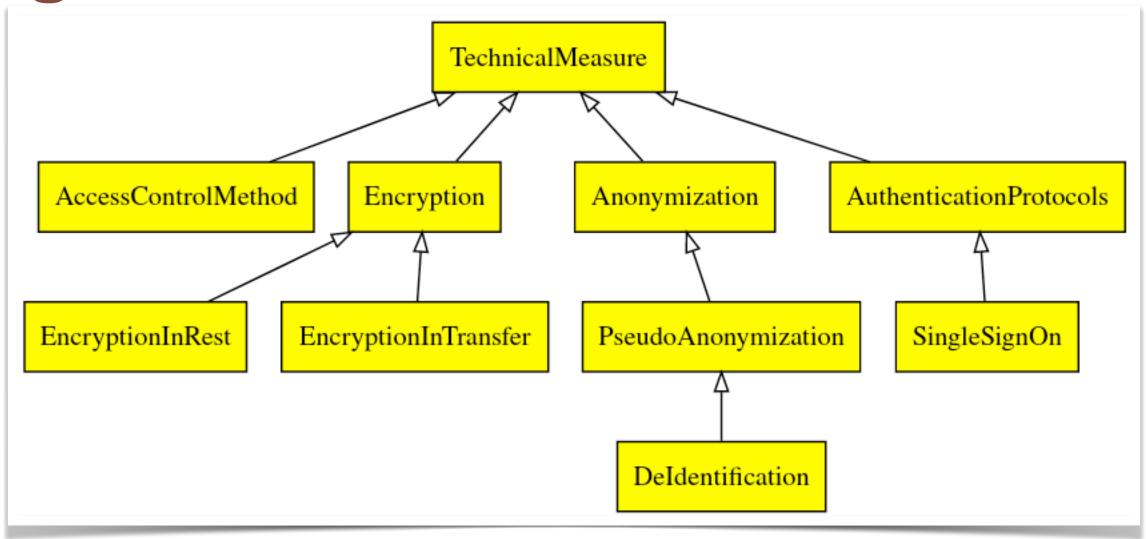
https://w3id.org/dpv/dpv-gdpr

Extend for Domains / Jurisdictions

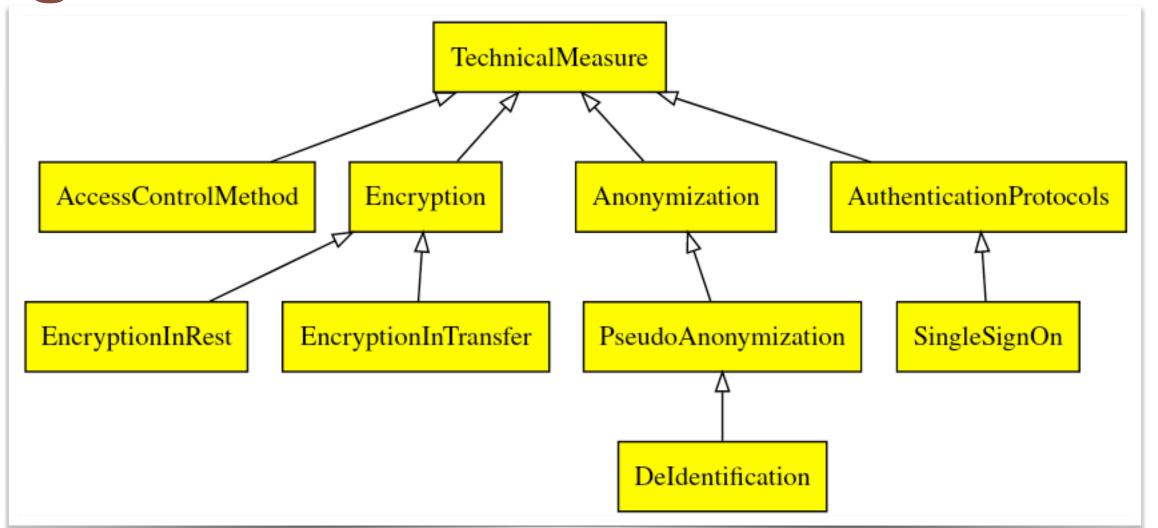


Alternate Models that suit YOUR use-cases

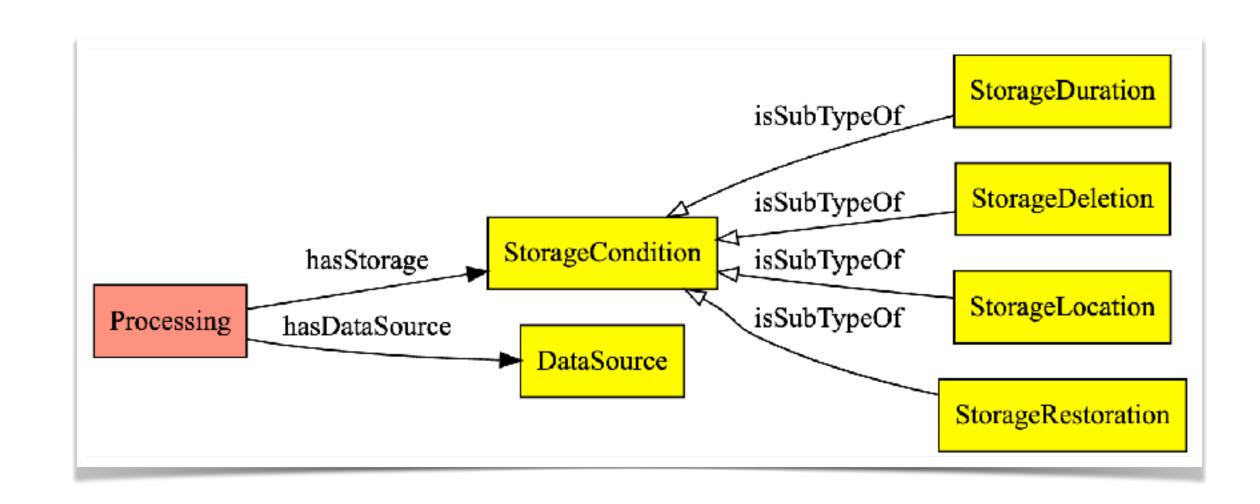
Technical & Organisational Measures - How? Where?



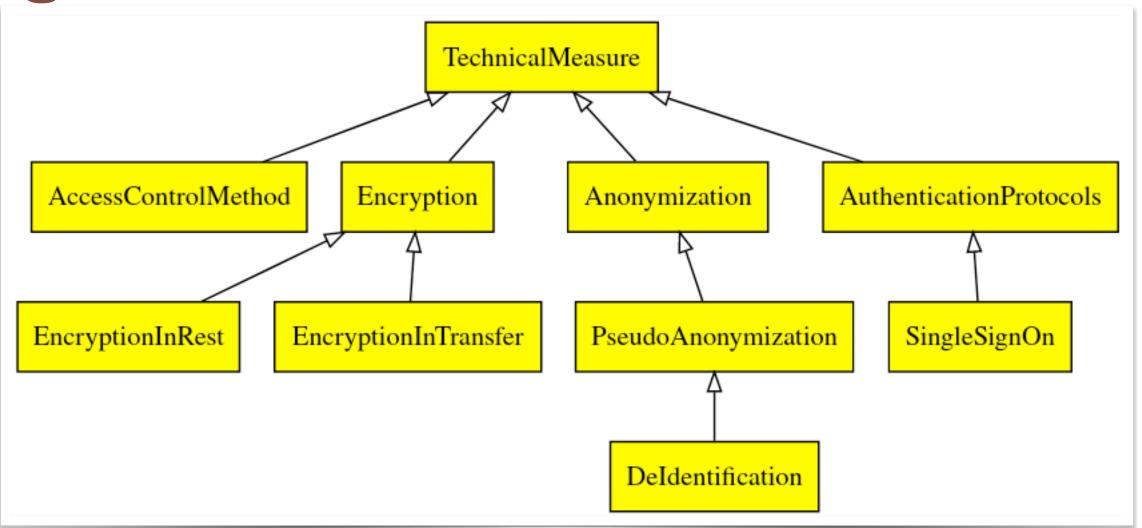
Technical & Organisational Measures - How? Where?



Processing - How? Where?



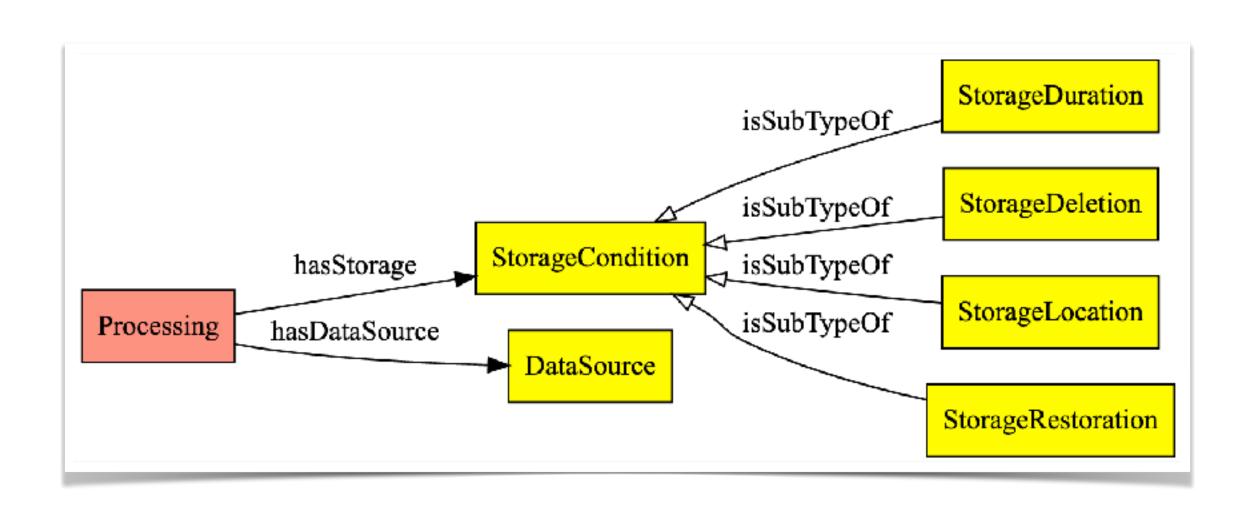
Technical & Organisational Measures - How? Where?

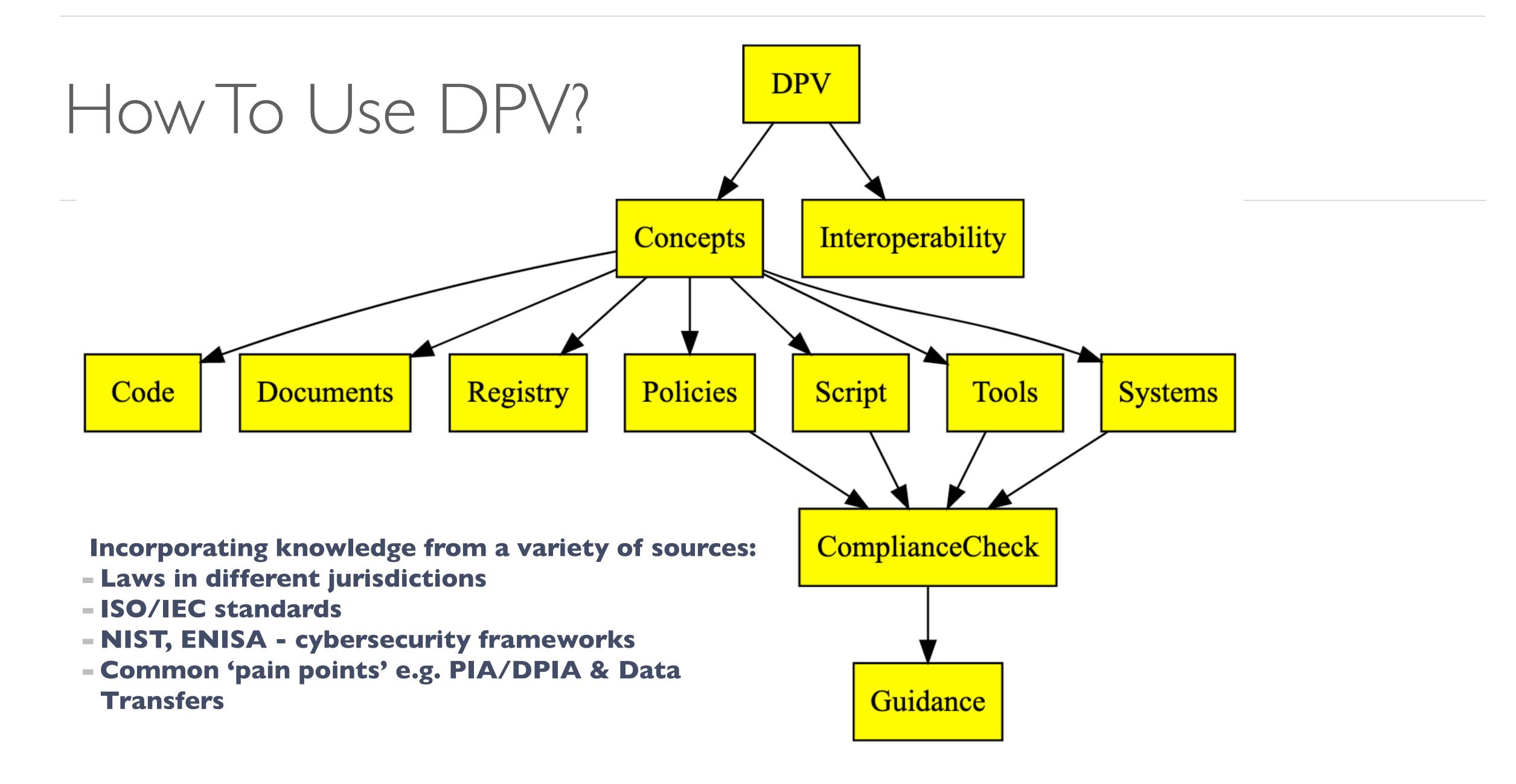


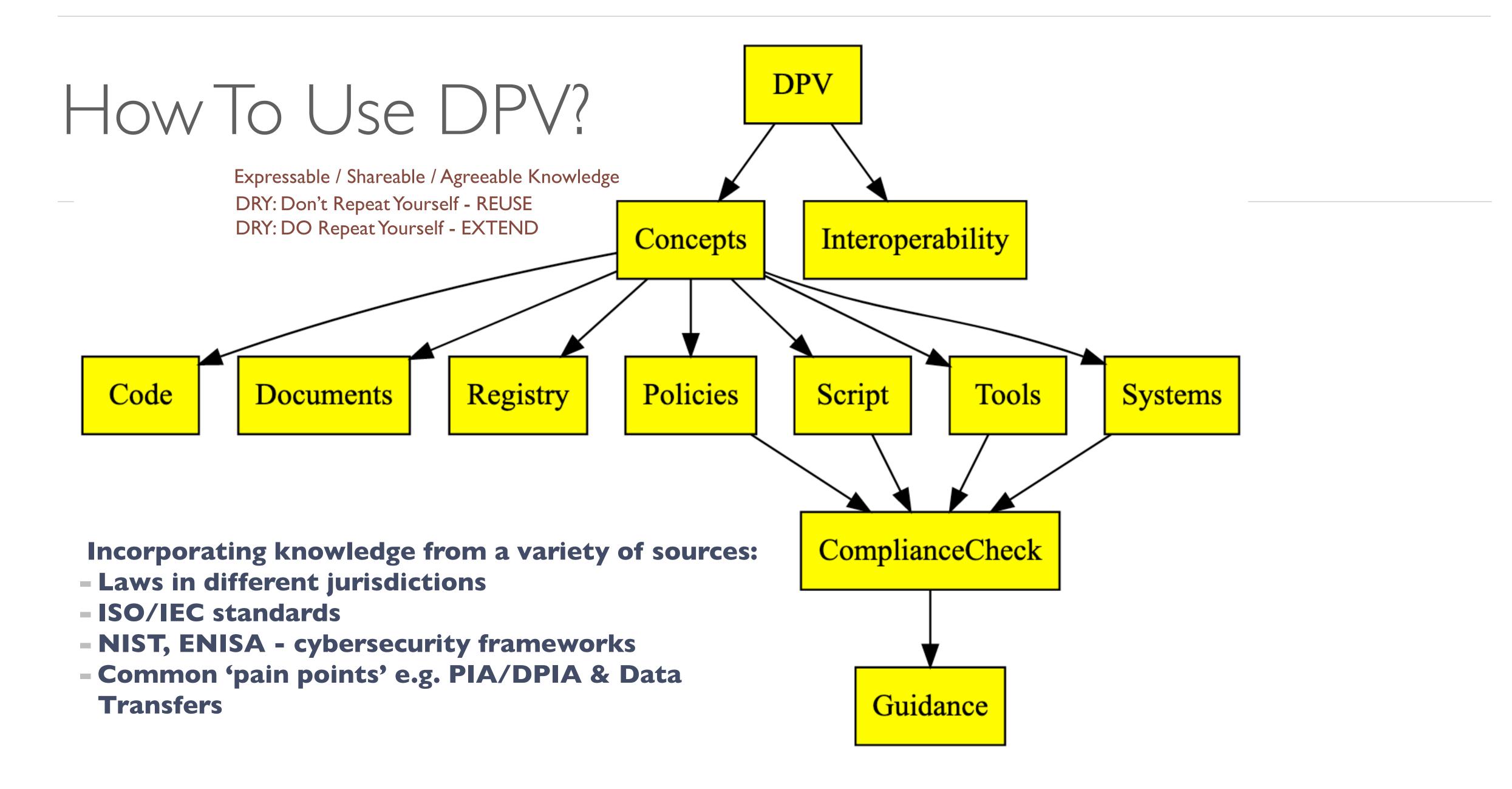
(Legal) Entities - Who?

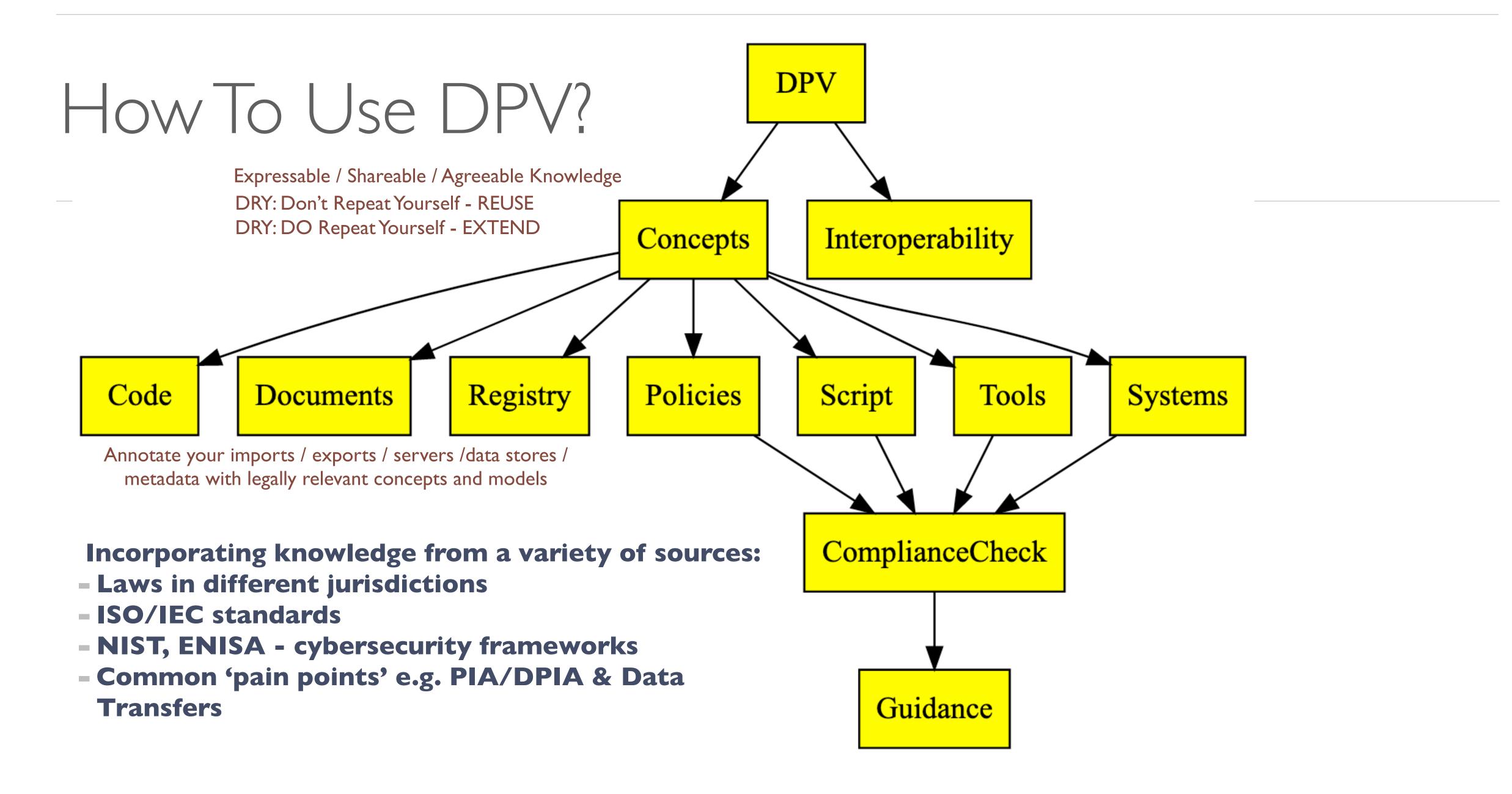
Vulnerab eDataSubject Child rofs:subClassOf rofs:subClassOf Resource hasContact DataSubject hasVame DataContro er rdfs sucClassOf ThirdParty rdis:subClassOt hasloentifier LegalEntity rofs:subClassCt nasRepresentative rofs;subClassOf rdfs subClassOf rdfs:subClassOf)ataProcessor rdfs:subC assOf Representative rdfs suoClassCf Authority -rdfs:subClassOf___ rdfs subClassCf DataProtectionAuthority DataSupProcessor lataProtectionOfficer

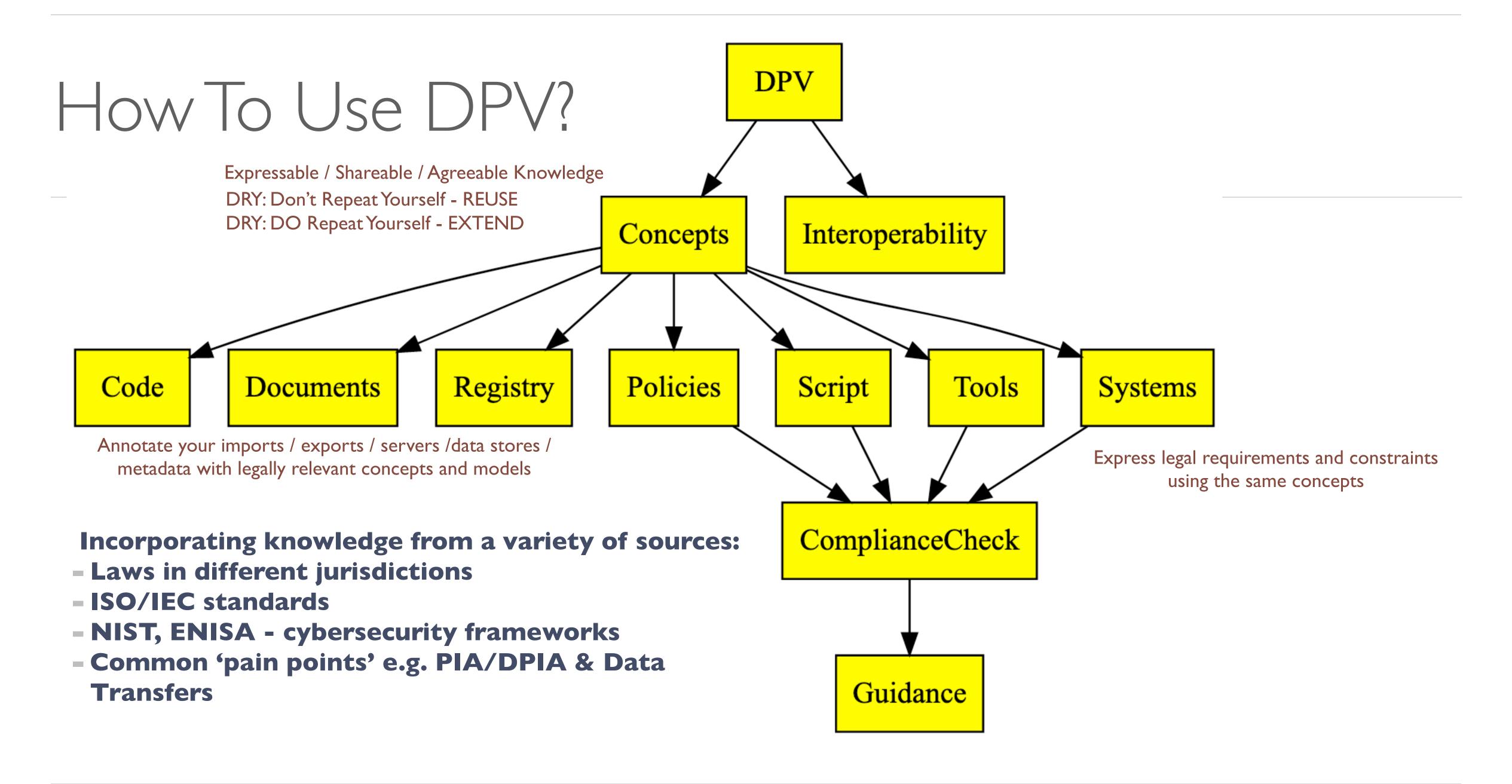
Processing - How? Where?

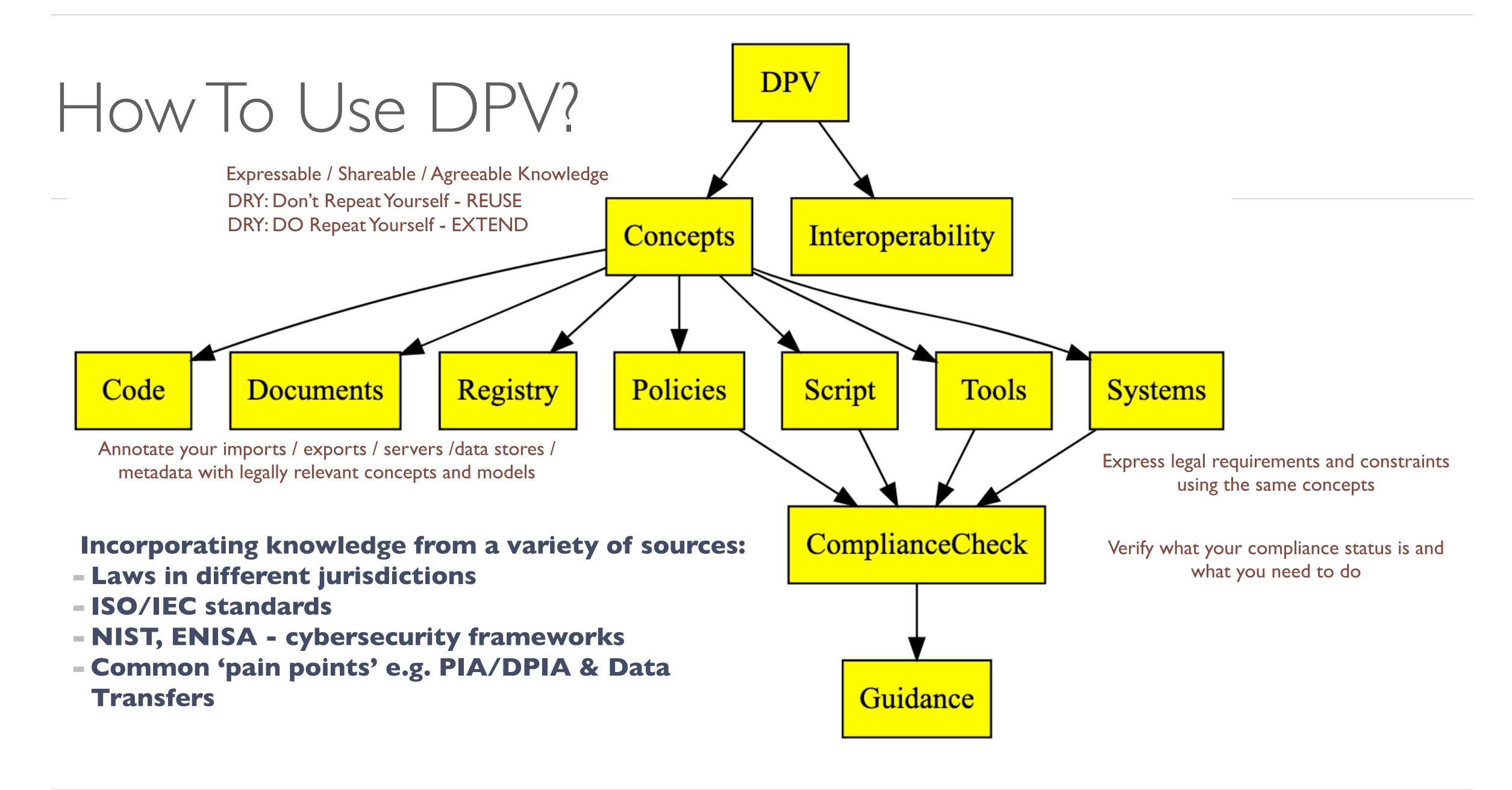


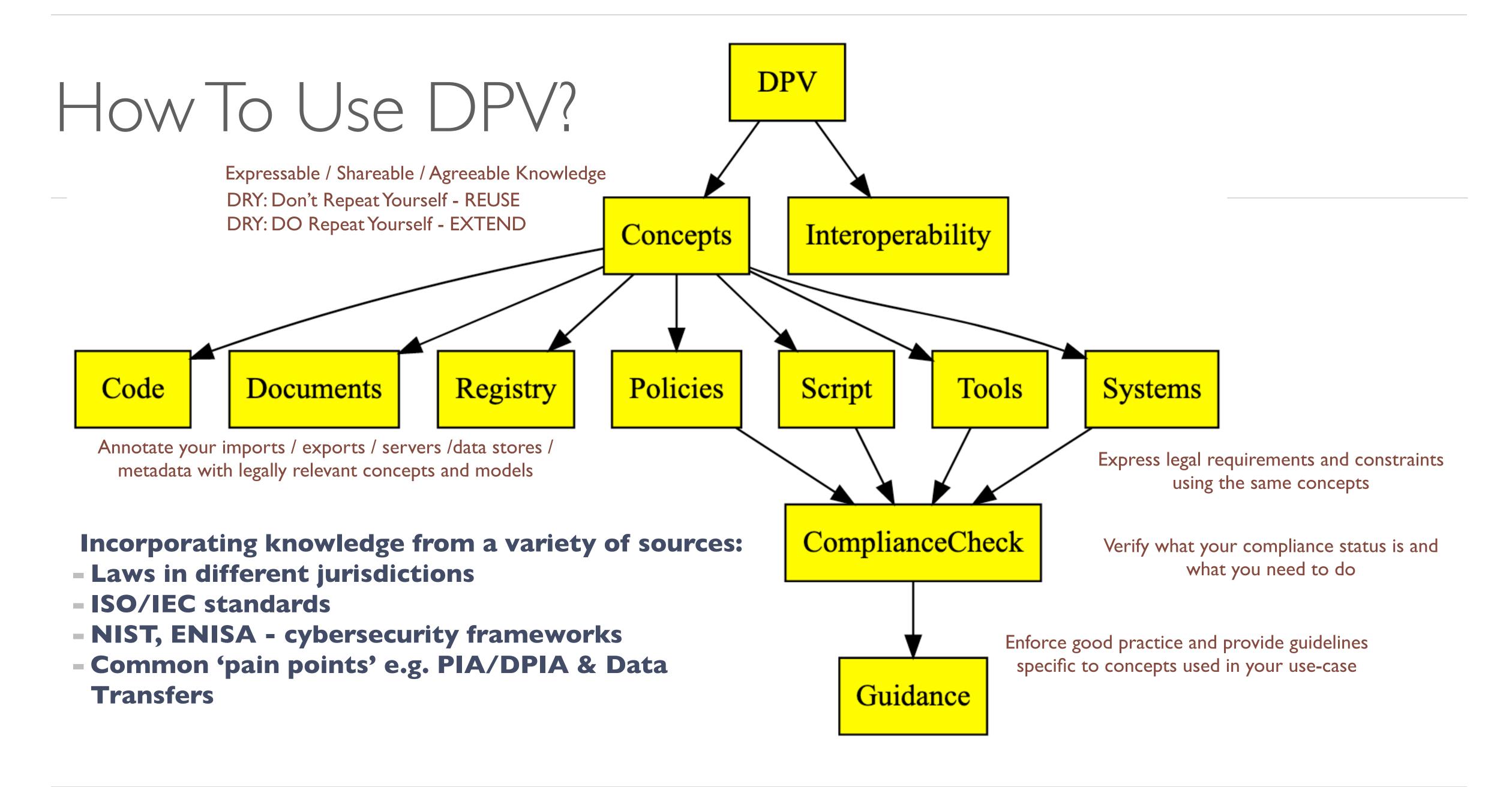


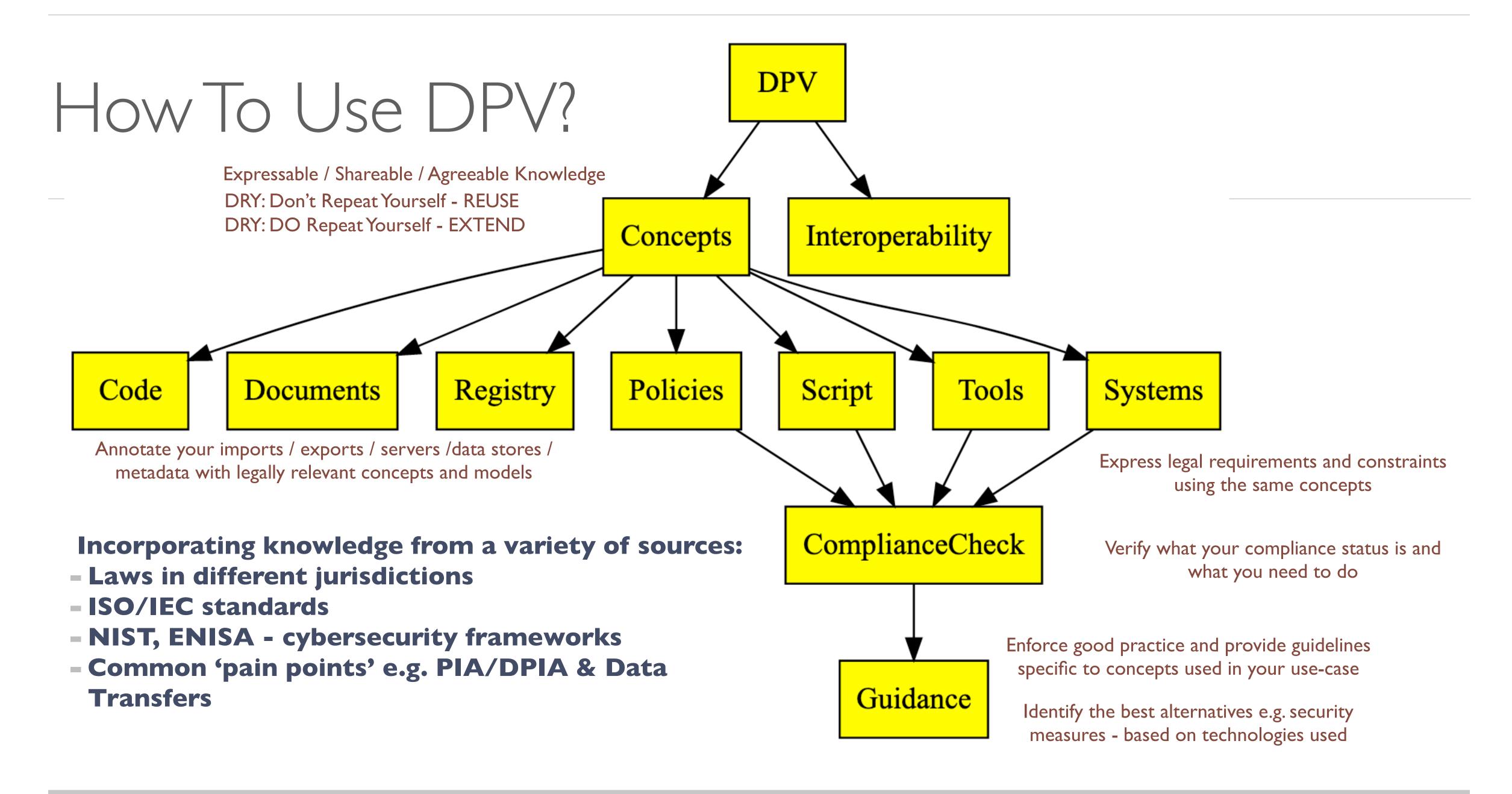












```
Information...
Information...
Information...
```

- Policies
- Privacy Policies End-User
- Internal Organisational Policies
- Service/Agent Negotiation

- Permission Management
- Consent
- Access Control

Government

Universities

Browsers

Personal Devices

- Banking
- eHealth

Medicine

- Legal Compliance
- Documentation of Use-Case
- Input to Assessment Tools

Dialogue Dashboard

- Transparency in Use & Sharing
- Apple Store Labels
- Internet Communications
- Dataset Publishing

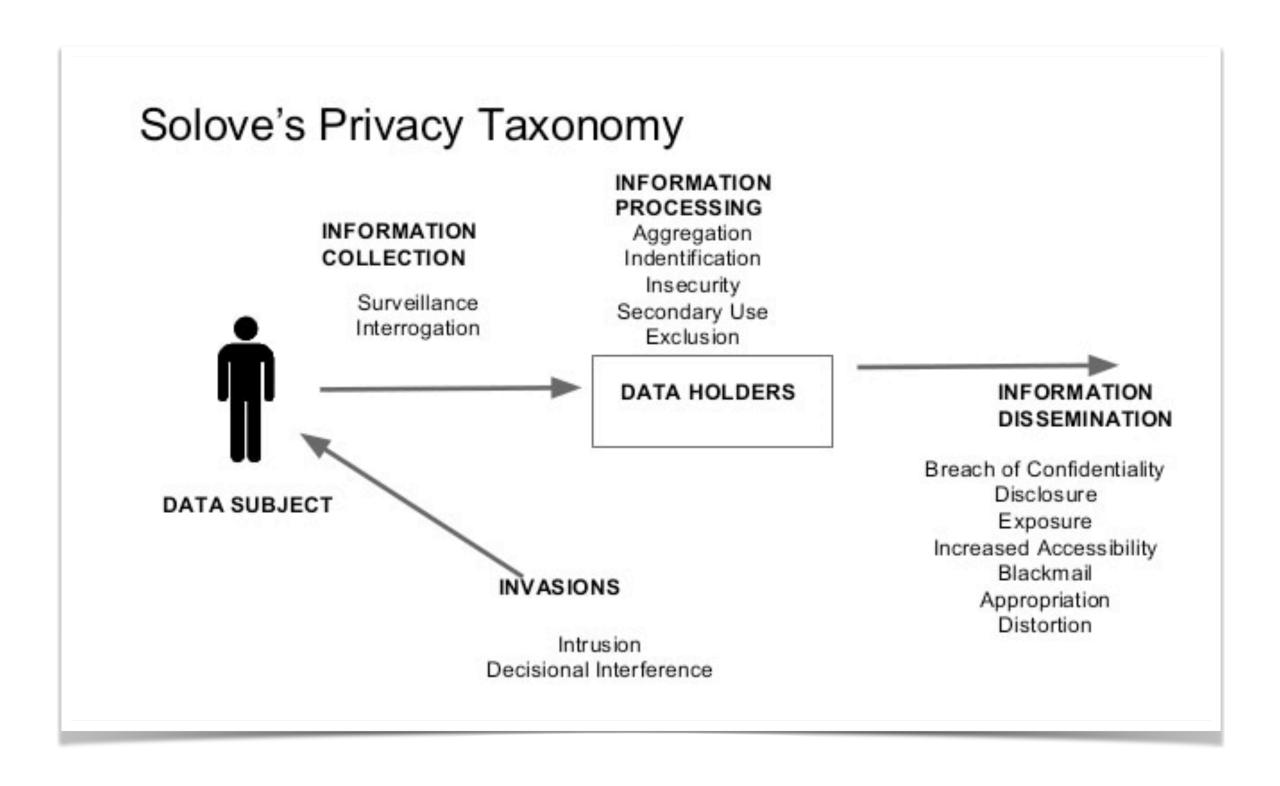
Smartphones

loT

Open Data

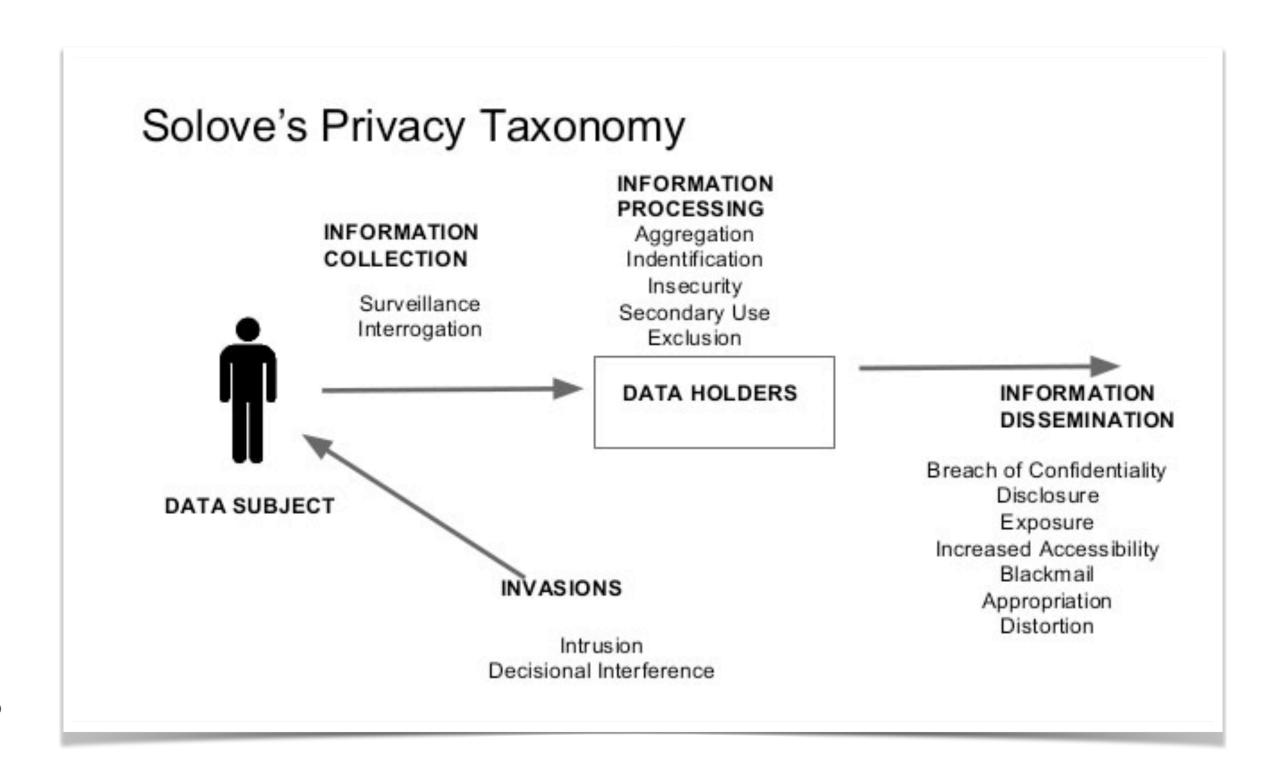
Challenges to DPV

- Permissions, Prohibitions aren't expressed
- Too much variation in Global concepts for uniformity e.g. 'Sell' in CA/USA vs EU
- Legality ≠ Privacy
- Learning curve and barriers to adoption
- Integration of standards e.g. ISO
- Technologies e.g. cookies, databases, algorithms
- Prove completeness and correctness in realworld use-cases



Challenges to DPV

- Permissions, Prohibitions aren't expressed
- Too much variation in Global concepts for uniformity e.g. 'Sell' in CA/USA vs EU
- Legality ≠ Privacy
- Learning curve and barriers to adoption
- Integration of standards e.g. ISO
- Technologies e.g. cookies, databases, algorithms
- Prove completeness and correctness in realworld use-cases



The scope of DPV is in a progressive flux It needs a diverse multi-disciplinary cohort of experts to finalise concepts

Data Privacy Vocabulary (DPV)

Presented by Harshvardhan J. Pandit for PEPR 2022 pandith@tcd.ie | @coolharsh55

Links

This presentation: https://harshp.com/presentations

DPV: https://w3id.org/dpv

DPVCG: https://www.w3.org/community/dpvcg/

Github: https://github.com/w3c/dpv/