

Data Privacy Vocabulary (DPV)

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DPVCG: W3C Data Privacy Vocabularies and Controls Community Group



The screenshot shows the W3C website for the Data Privacy Vocabularies and Controls Community Group. The header includes the W3C logo and the text "COMMUNITY & BUSINESS GROUPS". Navigation links for "CURRENT GROUPS" and "REPORTS" are visible. The main content area is titled "DATA PRIVACY VOCABULARIES AND CONTROLS COMMUNITY GROUP" and contains a mission statement, a paragraph about the group's creation in 2017, and membership information. A sidebar on the right lists "Tools for this group" including Mailing List, Wiki, IRC, Github organization, and Contact This Group. Below that is a "Get involved" section with a "JOIN OR LEAVE THIS GROUP" button.

[Home](#) / Data Privacy Vocabularies...

DATA PRIVACY VOCABULARIES AND CONTROLS COMMUNITY GROUP

The mission of the W3C Data Privacy Vocabularies and Controls CG (DPVCG) is to develop a taxonomy of privacy and data protection related terms, which include in particular terms from the new European [General Data Protection Regulation \(GDPR\)](#), such as a taxonomy of personal data as well as a classification of purposes (i.e., purposes for data collection), and events of disclosures, consent, and processing such personal data.

The DPVCG was created as an outcome of the W3C Workshop on Data Privacy Controls and Vocabularies in Vienna in 2017, and started on 25th May 2018 – the date of the enforcement of GDPR. Since then, the DPVCG has worked to fulfil its aims and objectives, and produced the [Data Privacy Vocabulary \(DPV\)](#) as a deliverable.

Membership to the group is open to all interested individuals and organisations. To join the group, you need a valid W3C account – which is free to get and can be [requested here](#). The group meets usually through online meeting calls, details of which, including past minutes, can be [found here](#). The group also interacts through a [mailing list](#) regarding topics, discussions, sharing of agendas, actions, and other

Tools for this group

- Mailing List
- Wiki
- IRC
- Github organization
- Contact This Group

Get involved

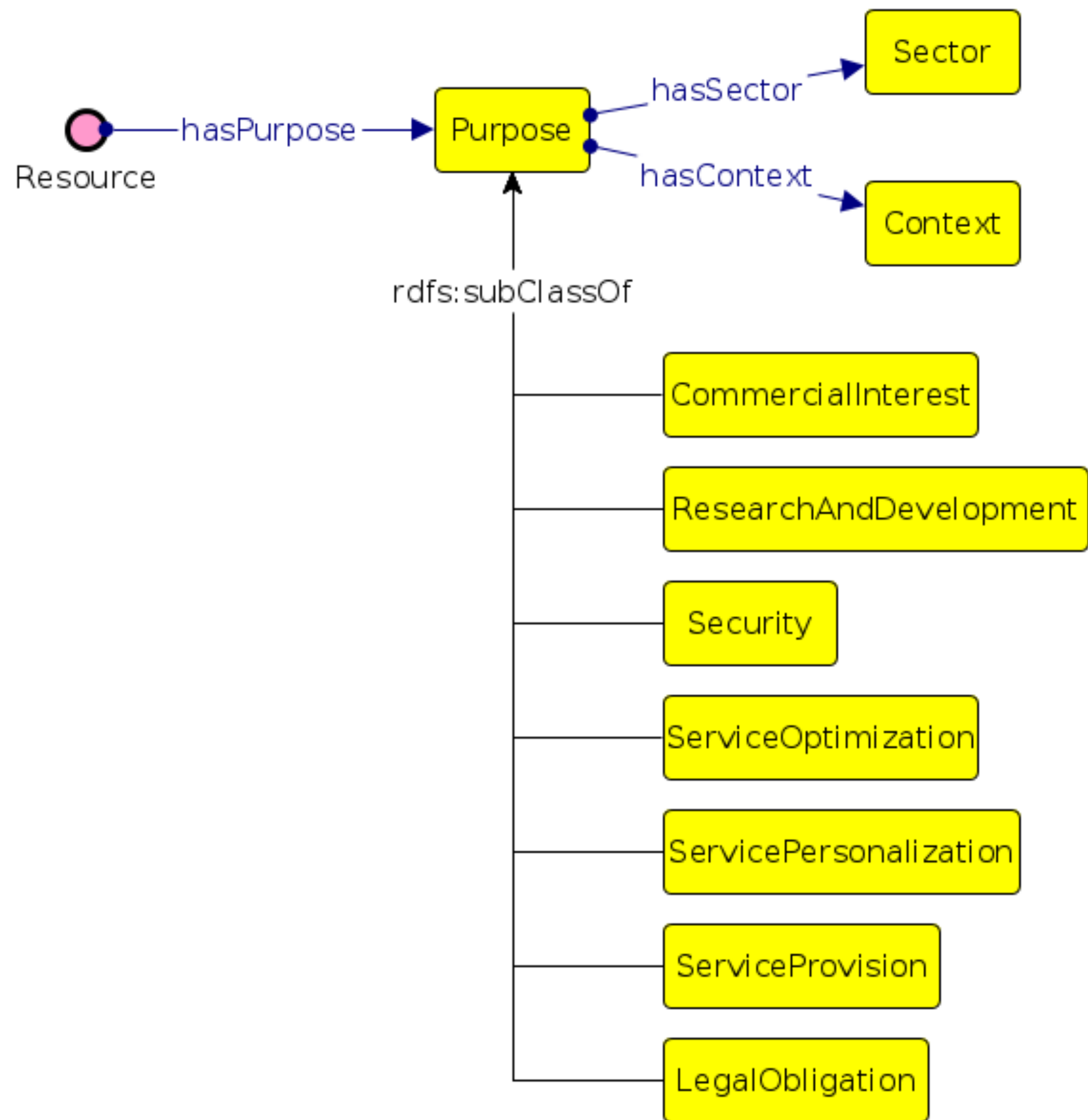
Anyone may join this Community Group. All group members must have signed the [W3C Community Contract](#).

[JOIN OR LEAVE THIS GROUP](#)

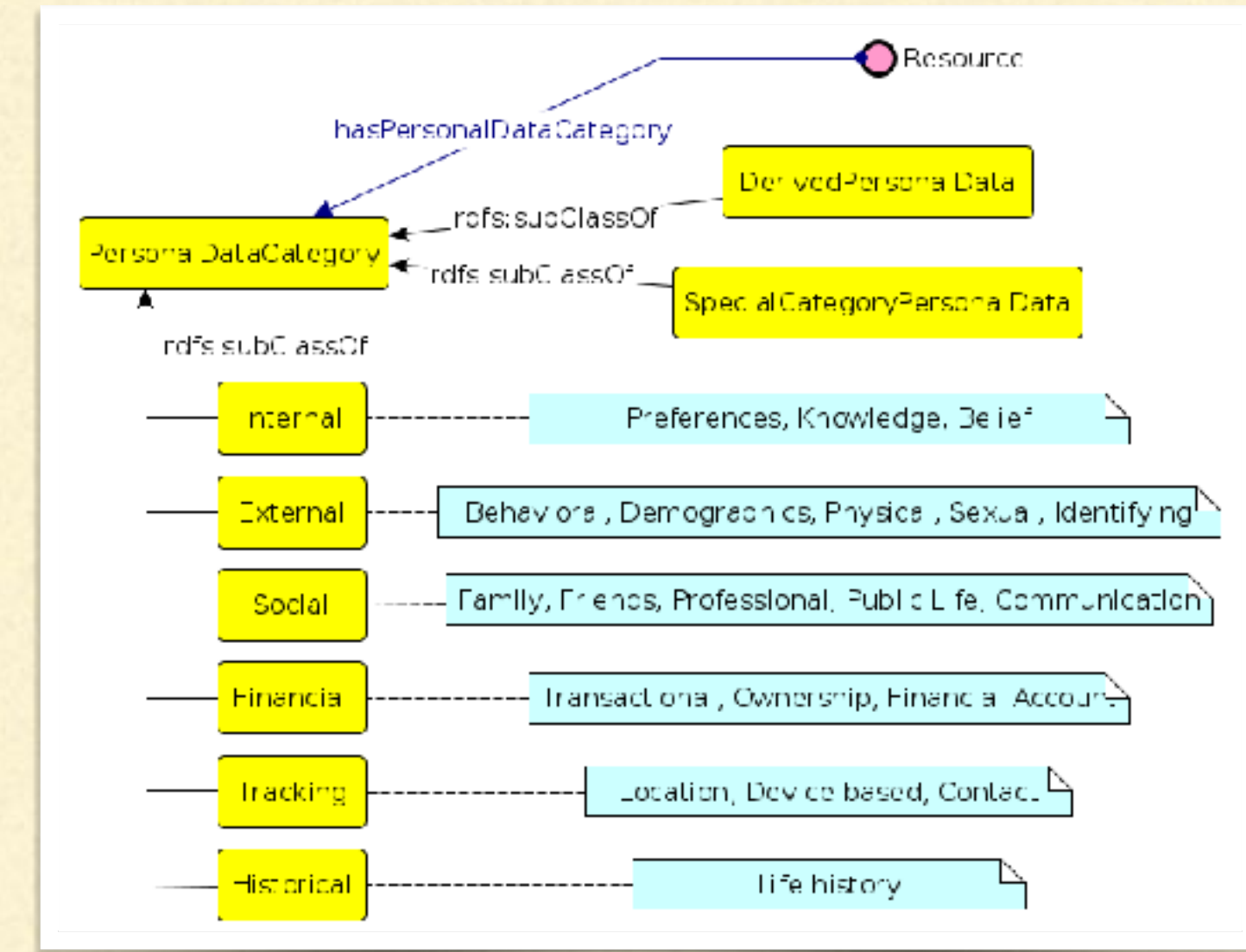
- Initiated by SPECIAL - A European H2020 project in May 2018
- Started with focus on GDPR, Expanded scope to global vocabulary
- Open Membership
- Mission: Provide a machine-readable vocabulary for describing who/what/why/where/how/when stuff related to Personal Data & Privacy

<https://www.w3.org/community/dpvcg/>

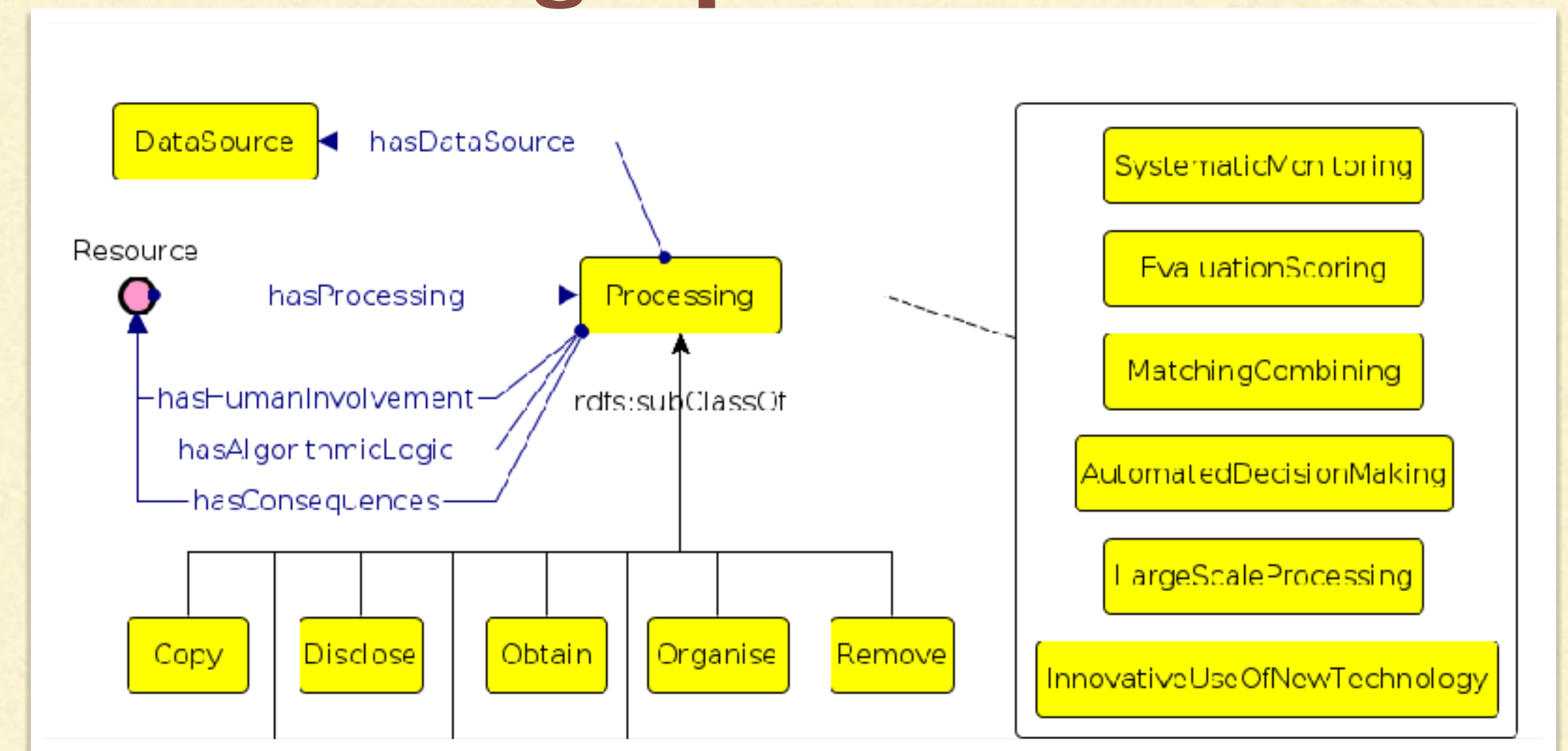
Purposes - Why?



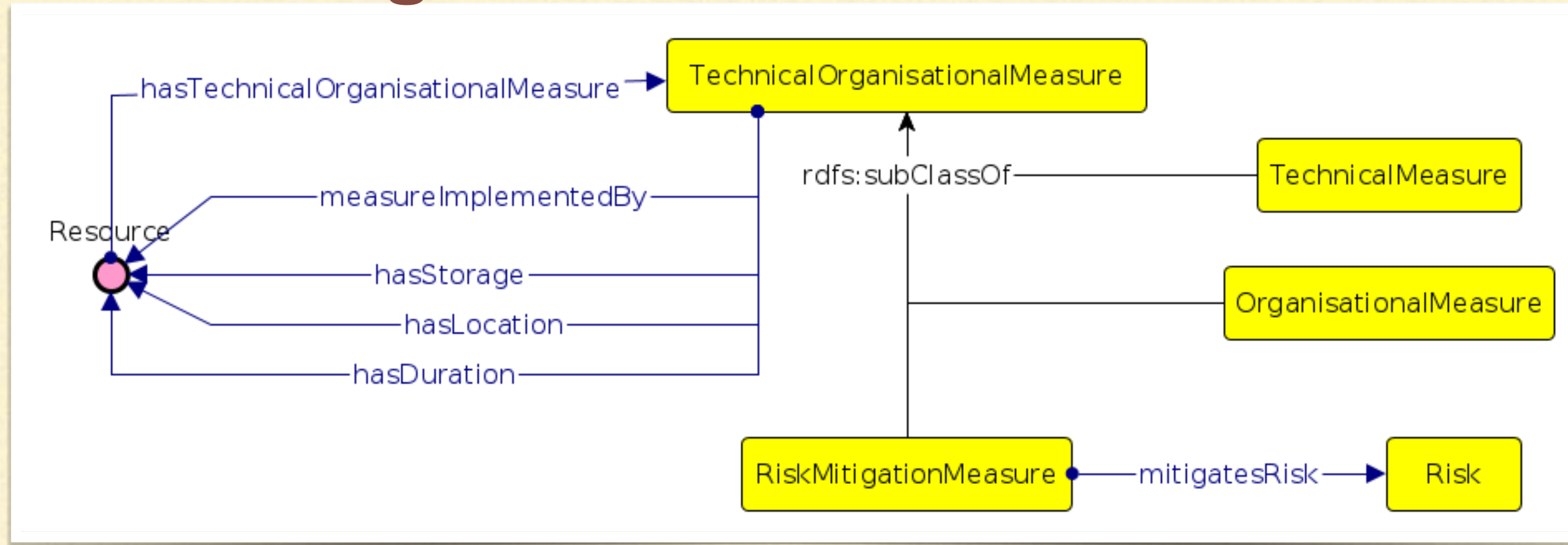
Personal Data Categories - What?



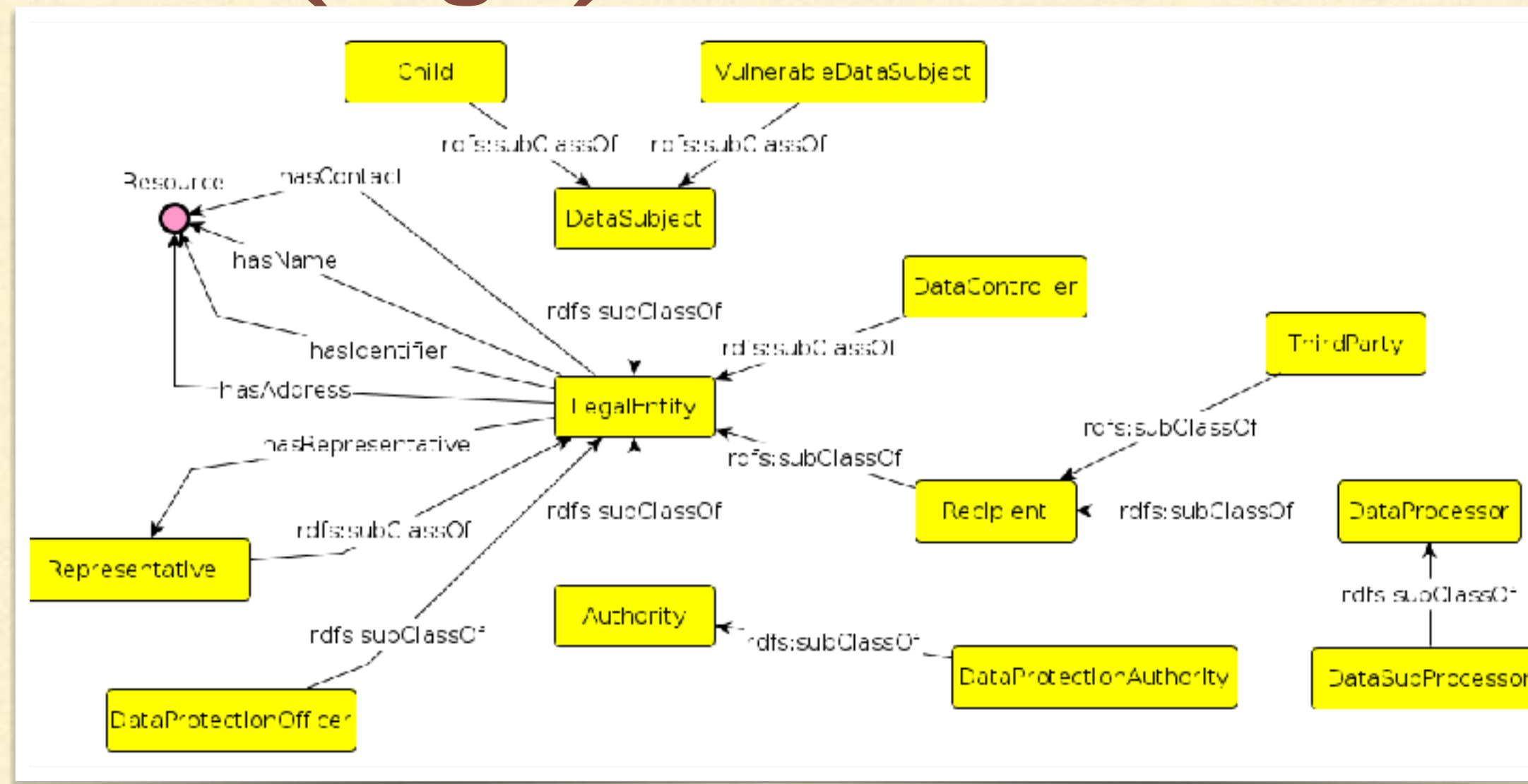
Processing Operations - How?



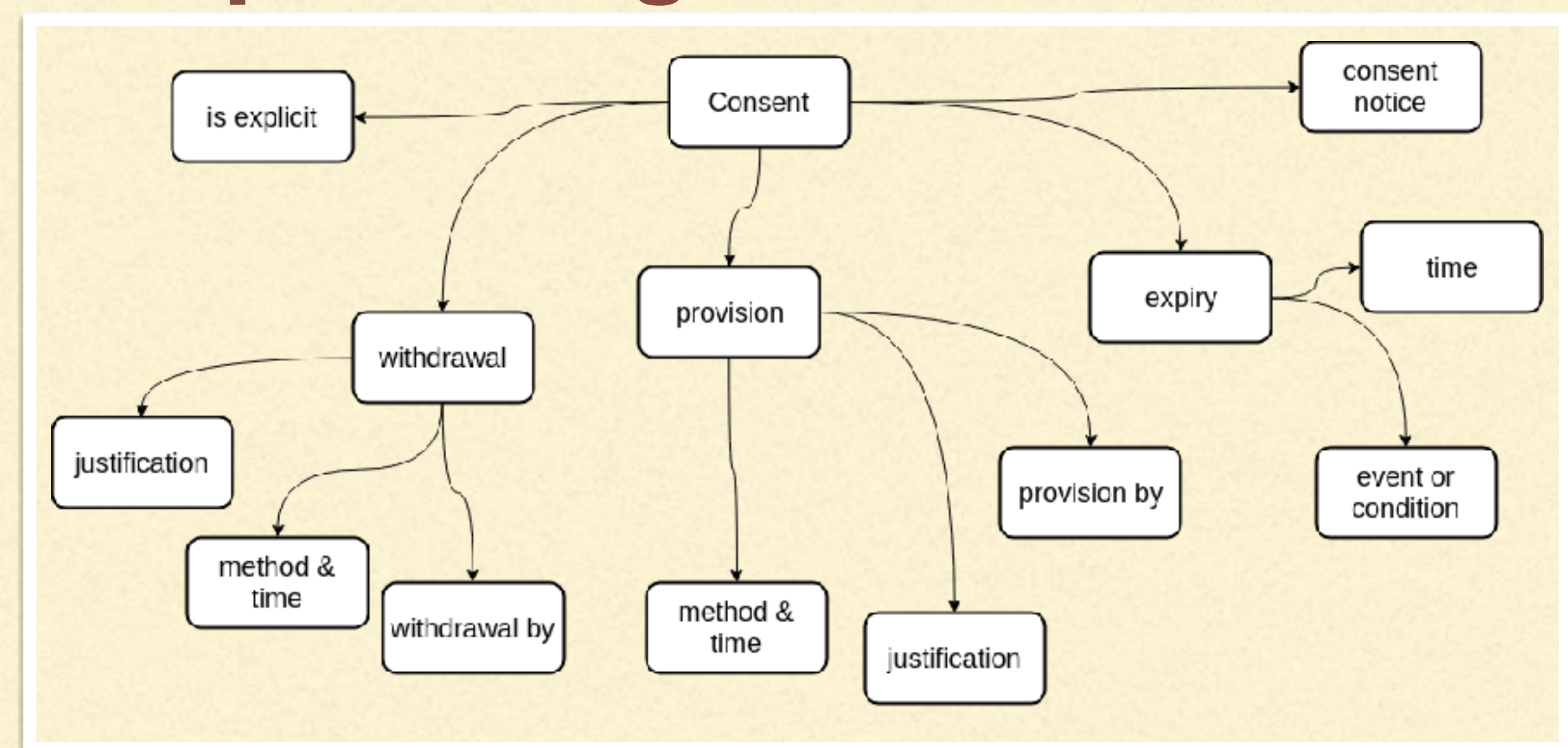
Technical & Organisational Measures - How? Where?



(Legal) Entities - Who?

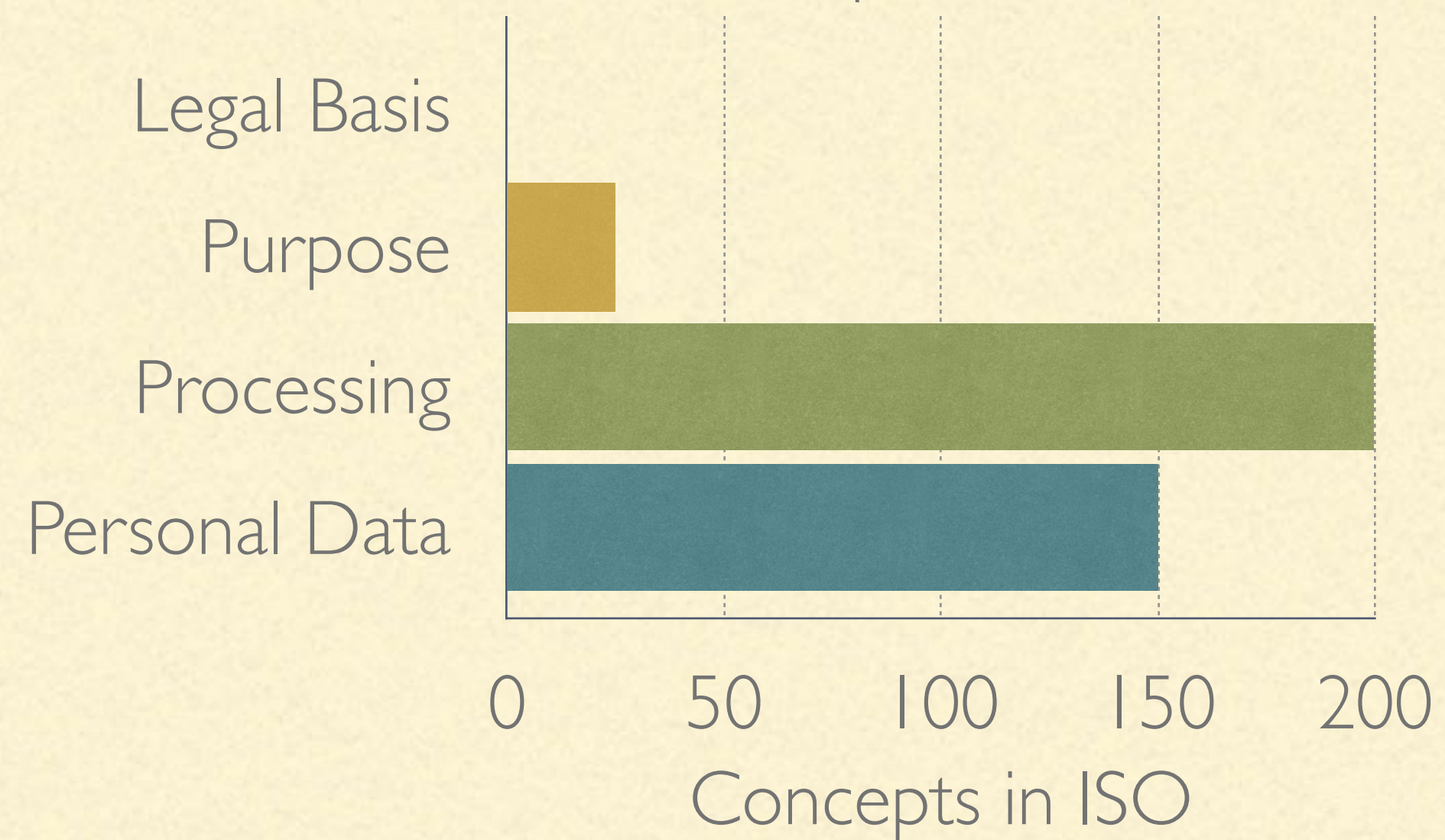
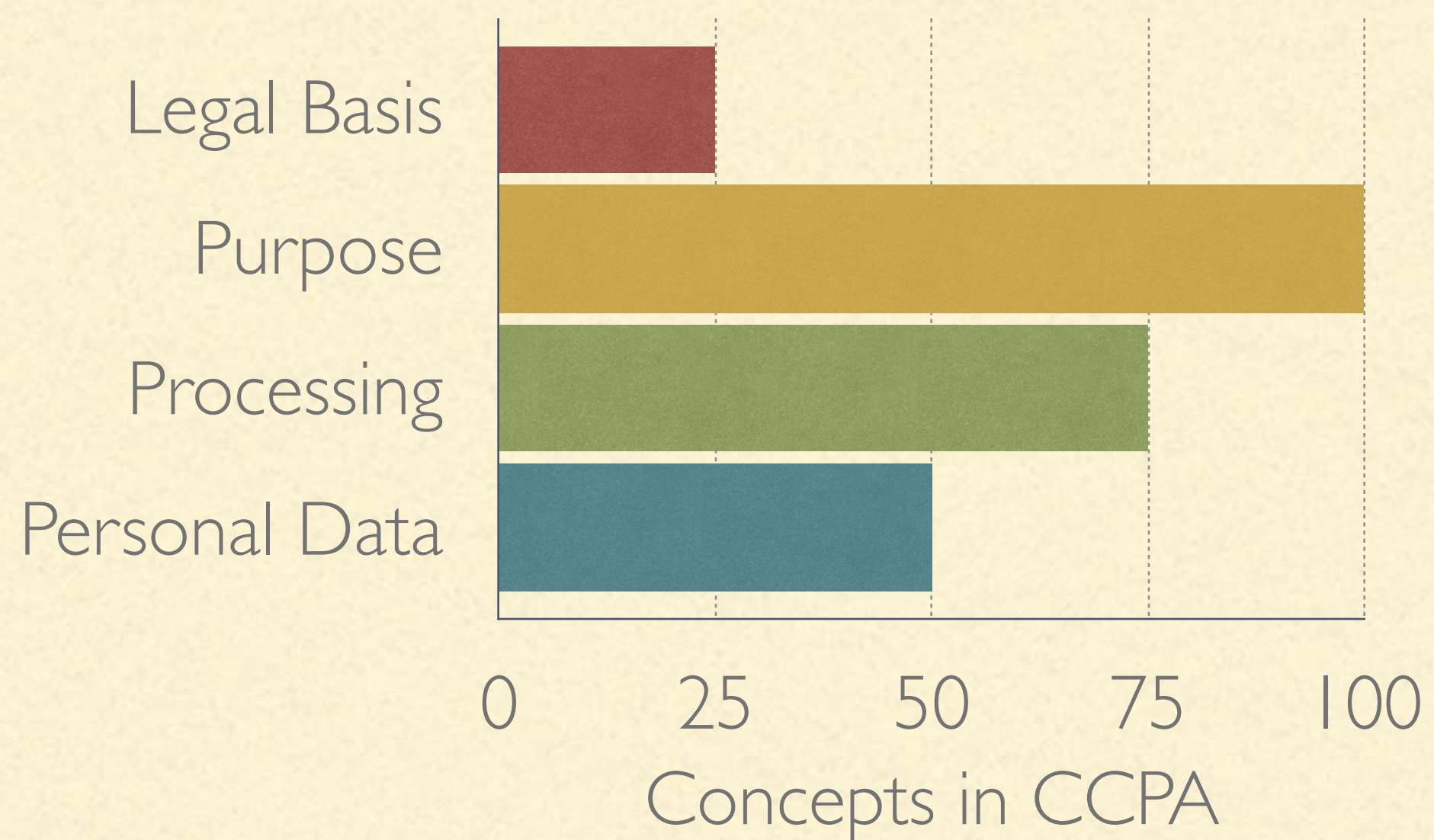
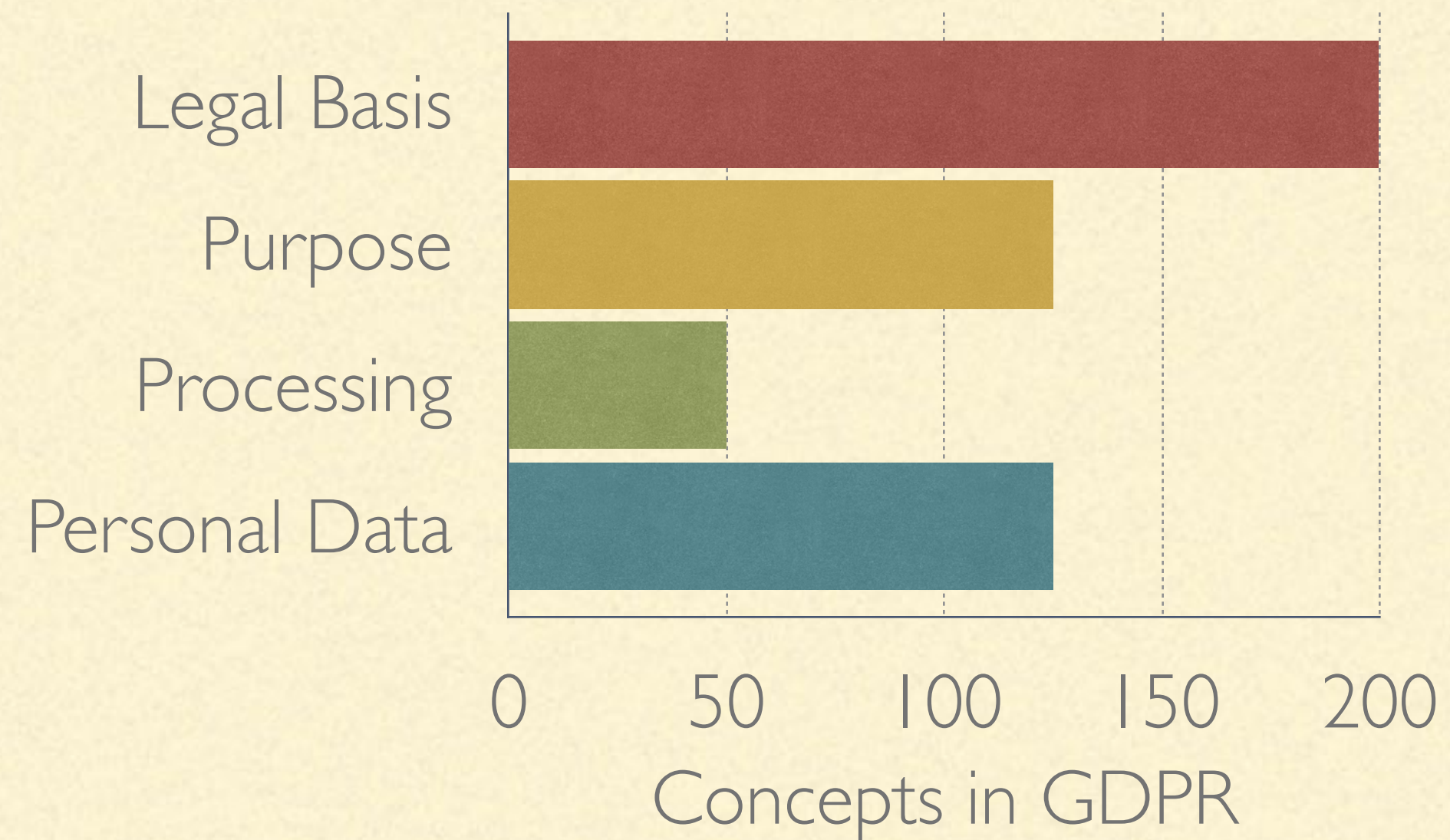
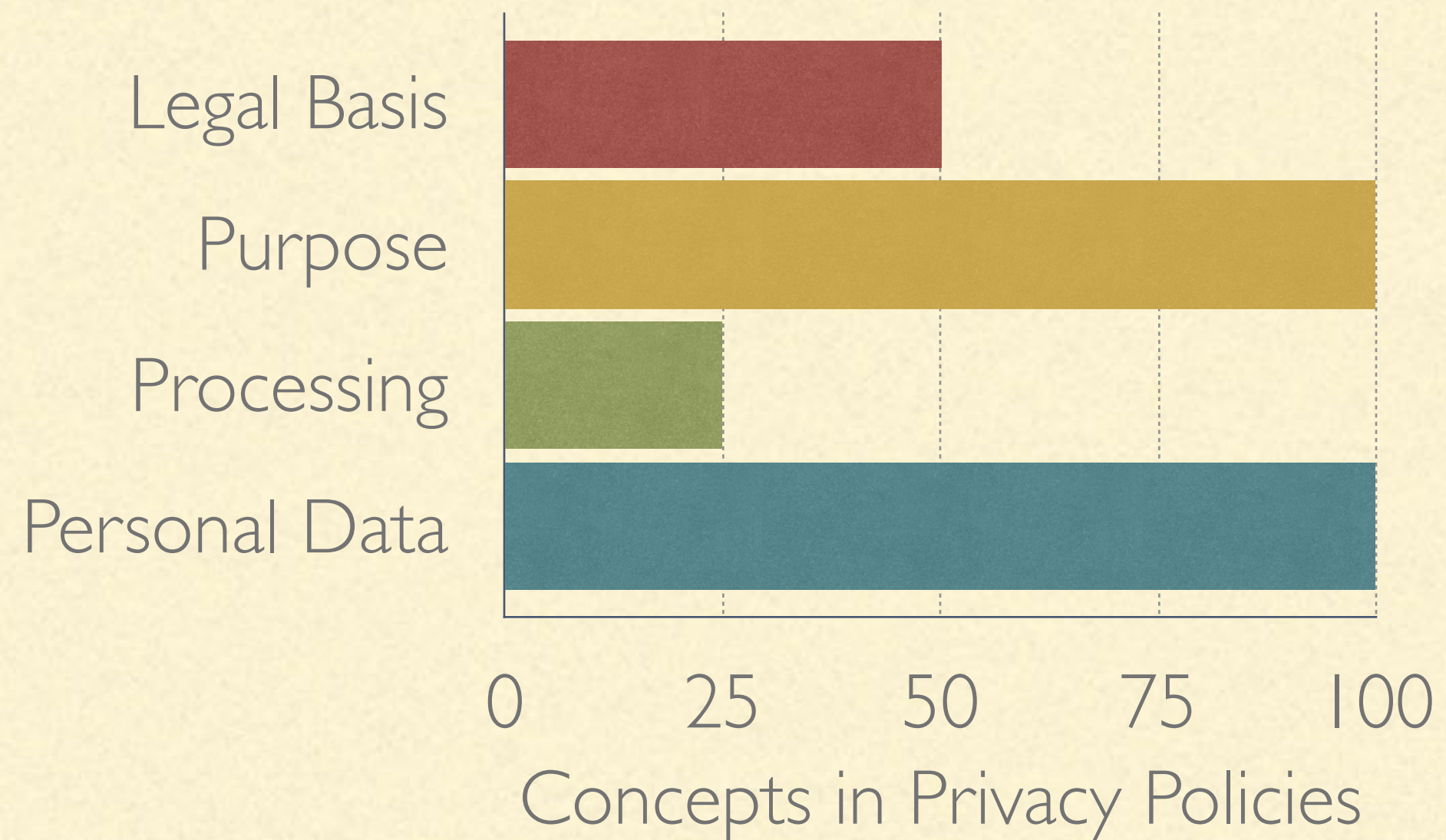


Specific Legal Basis - Consent



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- Taxonomy of concepts :: Purposes, Processing, Personal Data Categories, Legal Bases, Technical & Organisational Measures, Legal Entities
 - Freedom to use, mix, adopt, change :: E.g. Use only Purposes and Legal Bases
 - Formal spec using RDF :: Consistency in representation
 - Expanding, we're (only) v0.3 :: Here v1.0 means its 'stable' for real-world use-cases
 - State of the Art :: Most exhaustive general vocabulary for data protection and privacy. Only domain-specific vocabularies are more refined e.g. FIBO for Banking.
 - DPV provides extensions for GDPR. More are possible :: jurisdictions (e.g. CCPA), domains (Government, Health)

Relevance of Concepts in Across Use-Cases



Where Can You Use DPV?

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

Government

Universities

Browsers

Solid Pods

- Permission Management
 - Consent
 - Access Control

Dialogue

Dashboard

Banking

eHealth

Medicine

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

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

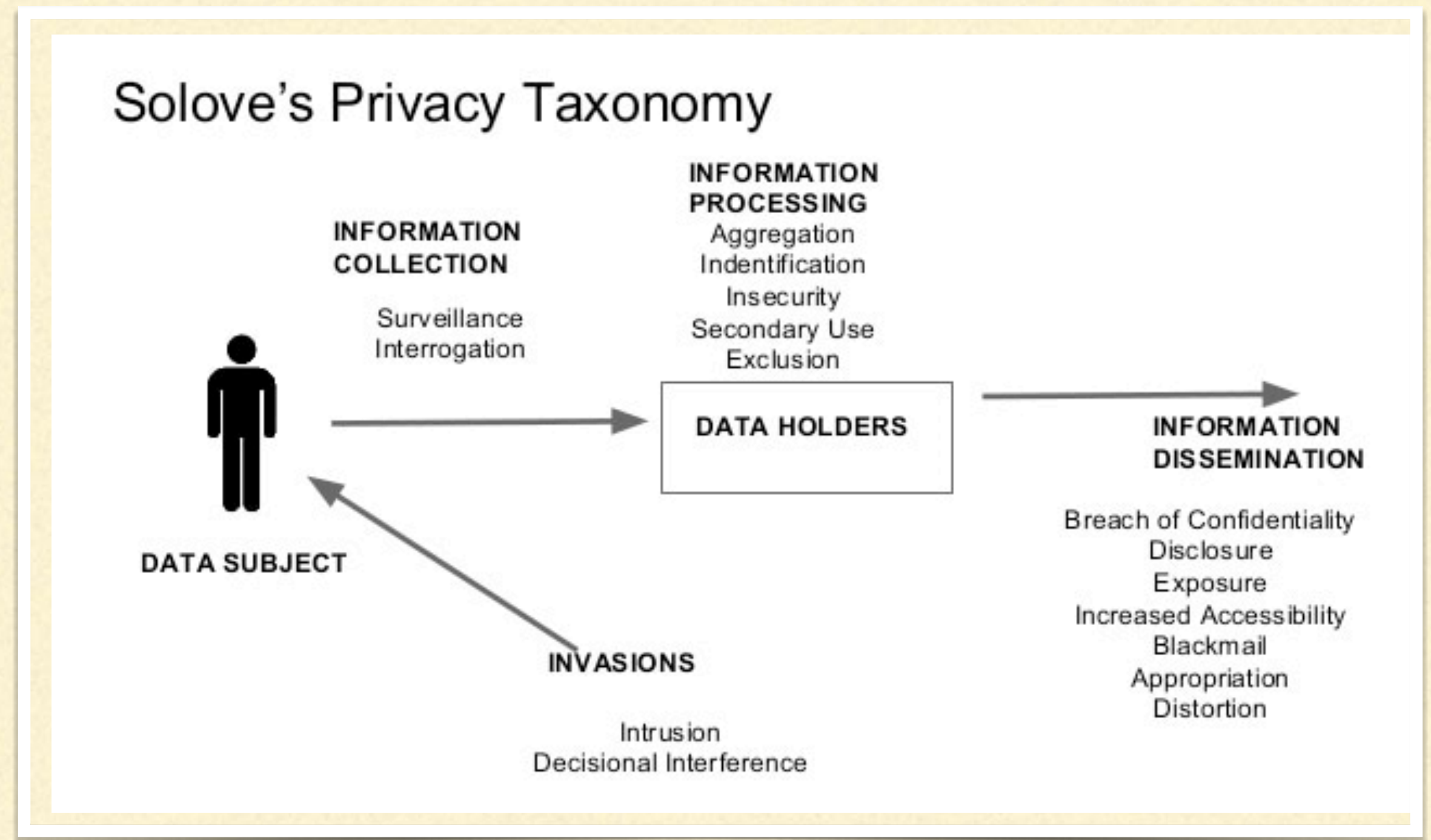
Smartphones

IoT

Open Data

Challenges to DPV

- Permissions, Prohibitions aren't expressed
- Too much variation in Global concepts for uniformity e.g. 'Sell' in USA vs EU
- Legality ≠ Privacy
- Learning curve and barriers to adoption
- Integration with vocabs e.g. DCAT
- Technologies e.g. cookies, databases, algorithms
- Prove completeness and correctness in real-world 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 @ DCMI 2021
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Links

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

DPV: <https://w3.org/ns/dpv>

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

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