

Data Privacy Vocabulary (DPV)

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Presentation for DCM12021



DPVCG: W3C Data Privacy Vocabularies and Controls Community Group



The screenshot shows the W3C Data Privacy Vocabularies and Controls Community Group page. At the top, there's a banner for 'COMMUNITY & BUSINESS GROUPS'. Below it, the page title is 'DATA PRIVACY VOCABULARIES AND CONTROLS COMMUNITY GROUP'. The main content area describes the mission of the group, which is to develop a taxonomy of privacy and data protection related terms, including a taxonomy of personal data and a classification of purposes. It also mentions the group's creation as an outcome of the W3C Workshop on Data Privacy Controls and Vocabularies in Vienna in 2017, and its start on 25th May 2018. The page includes a 'Tools for this group' section with links to Mailing List, Wiki, IRC, Github organization, and Contact This Group. There is also a 'Get involved' section with a link to the W3C Community Cont Agreement. At the bottom, there is a red button that says 'JOIN OR LEAVE THIS GROUP'.

[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

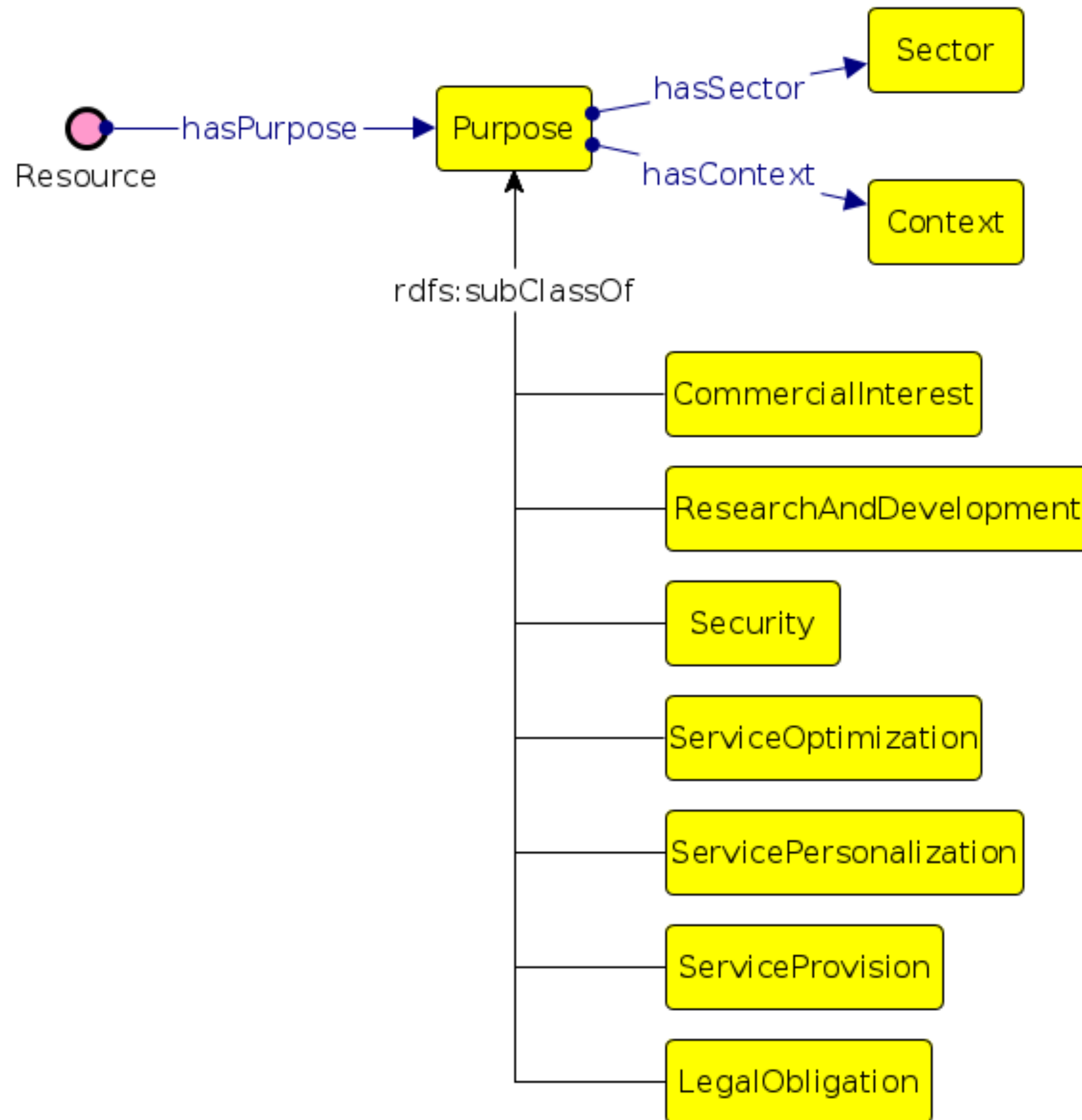
Anyone may join this Community Group. All group have signed the [W3C Community Cont Agreement](#).

JOIN OR LEAVE THIS GROUP

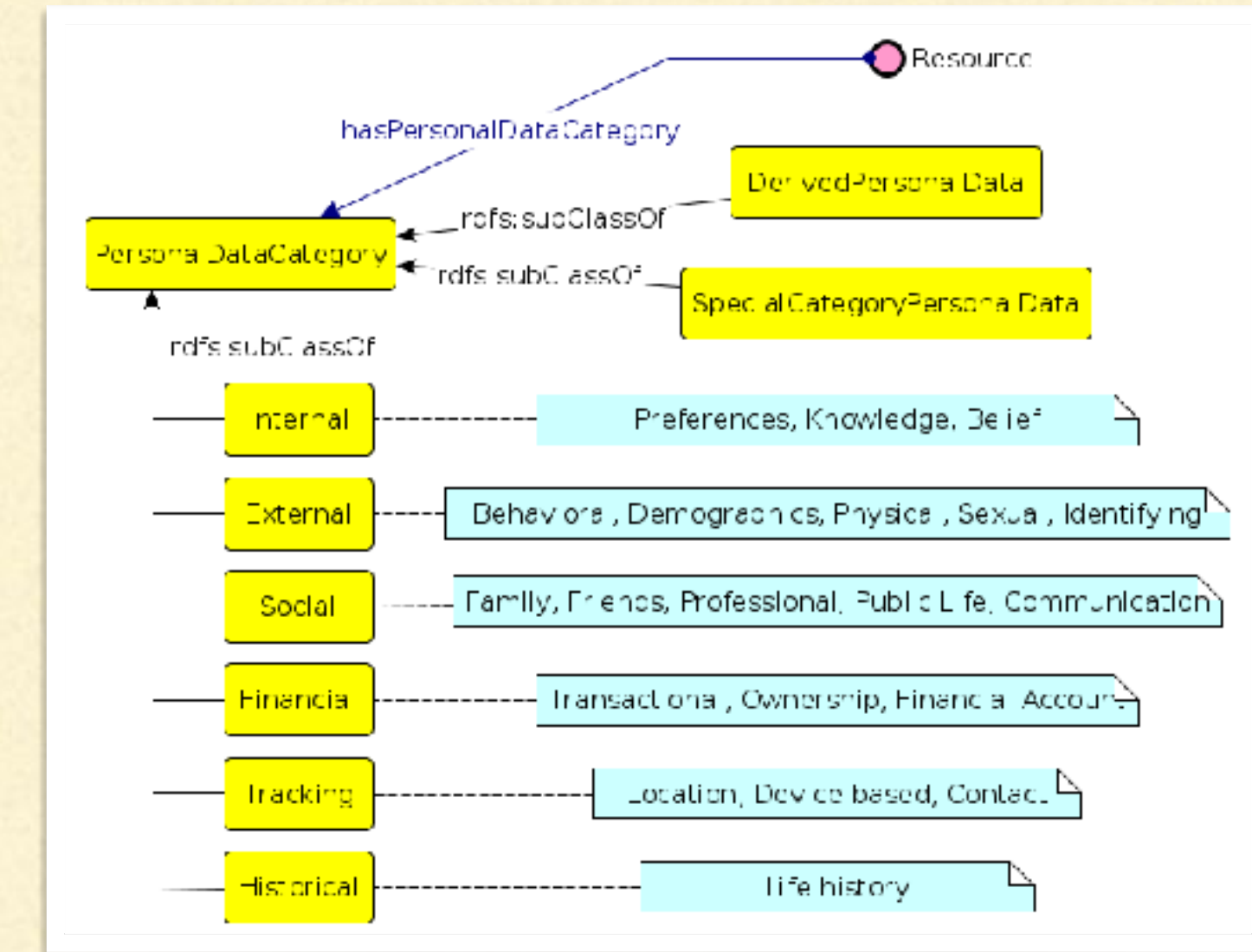
- Initiated by SPECIAL - A European H2020 project in May 2018
- Started with focus on GDPR, Expanded scope to global vocabulary
- Open Membership
- Mission: Provide a machine-readable vocabulary for describing who/what/why/where/how/when stuff related to Personal Data & Privacy

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

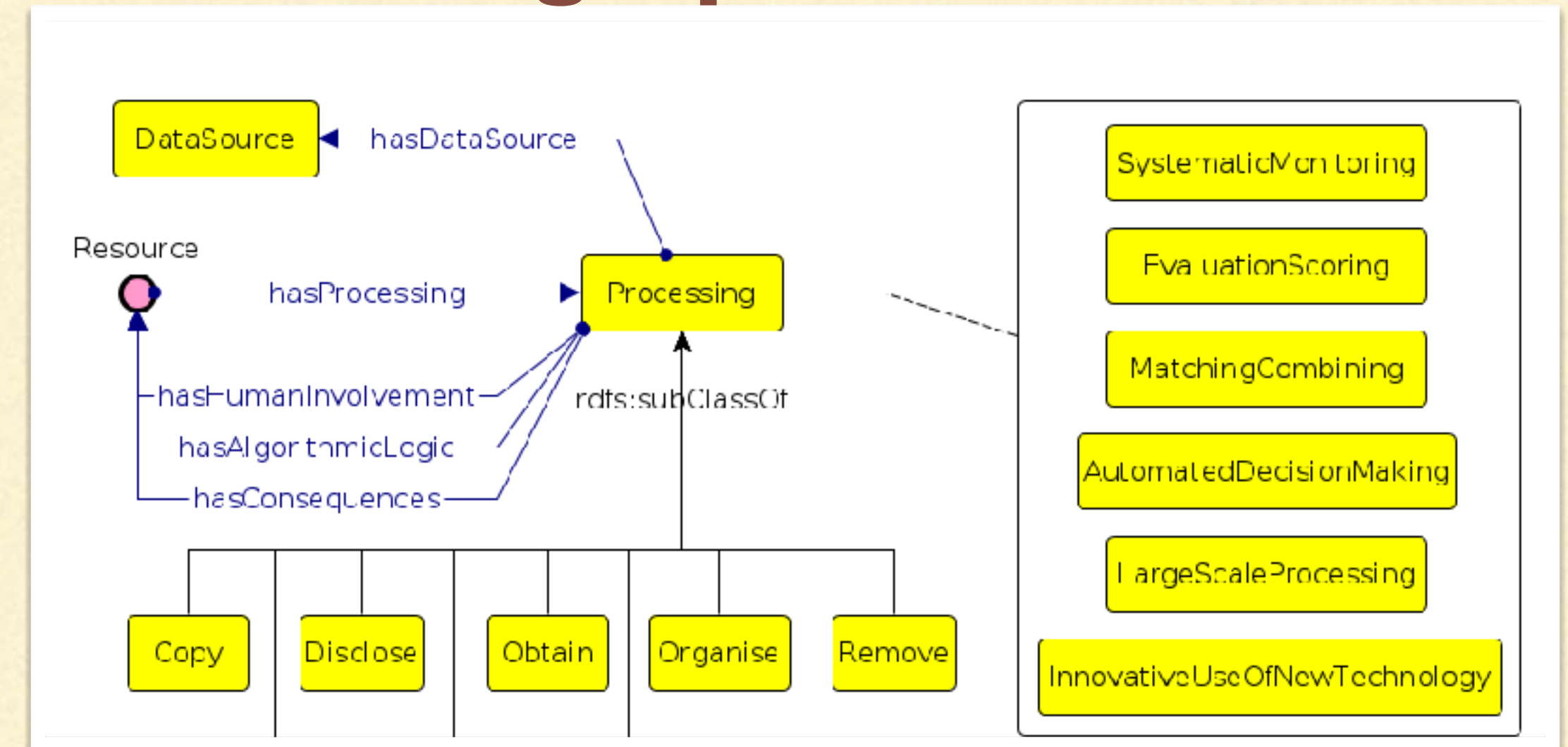
Purposes - Why?



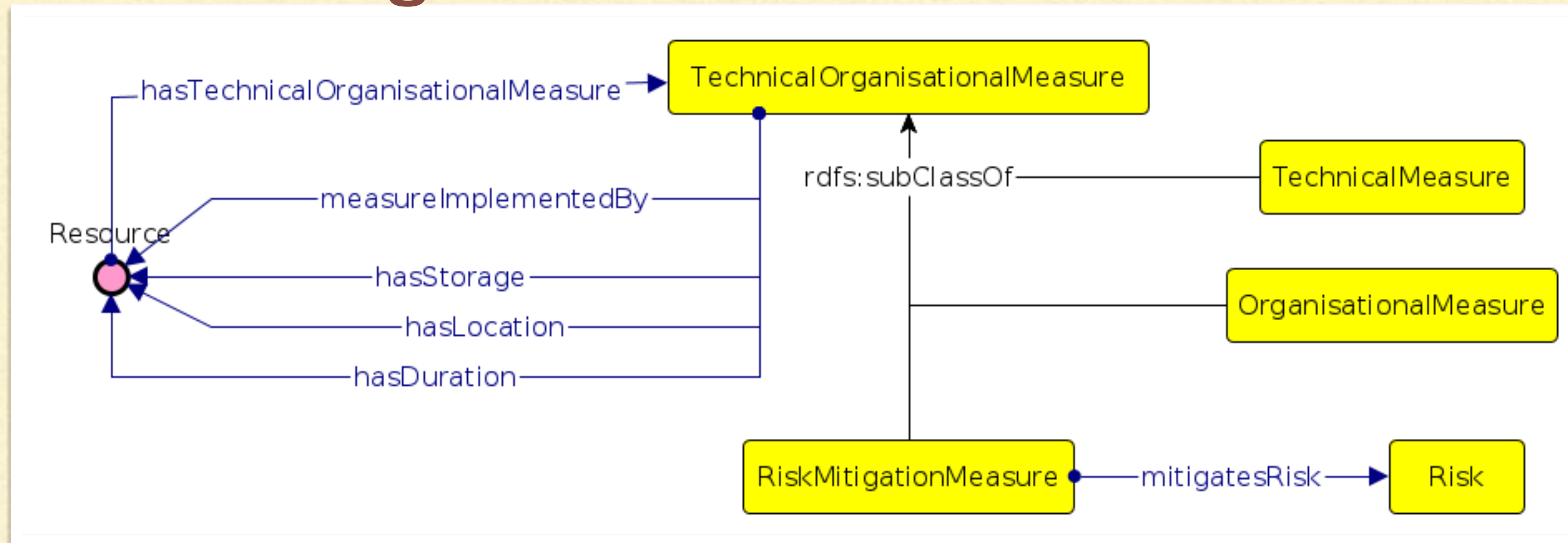
Personal Data Categories - What?



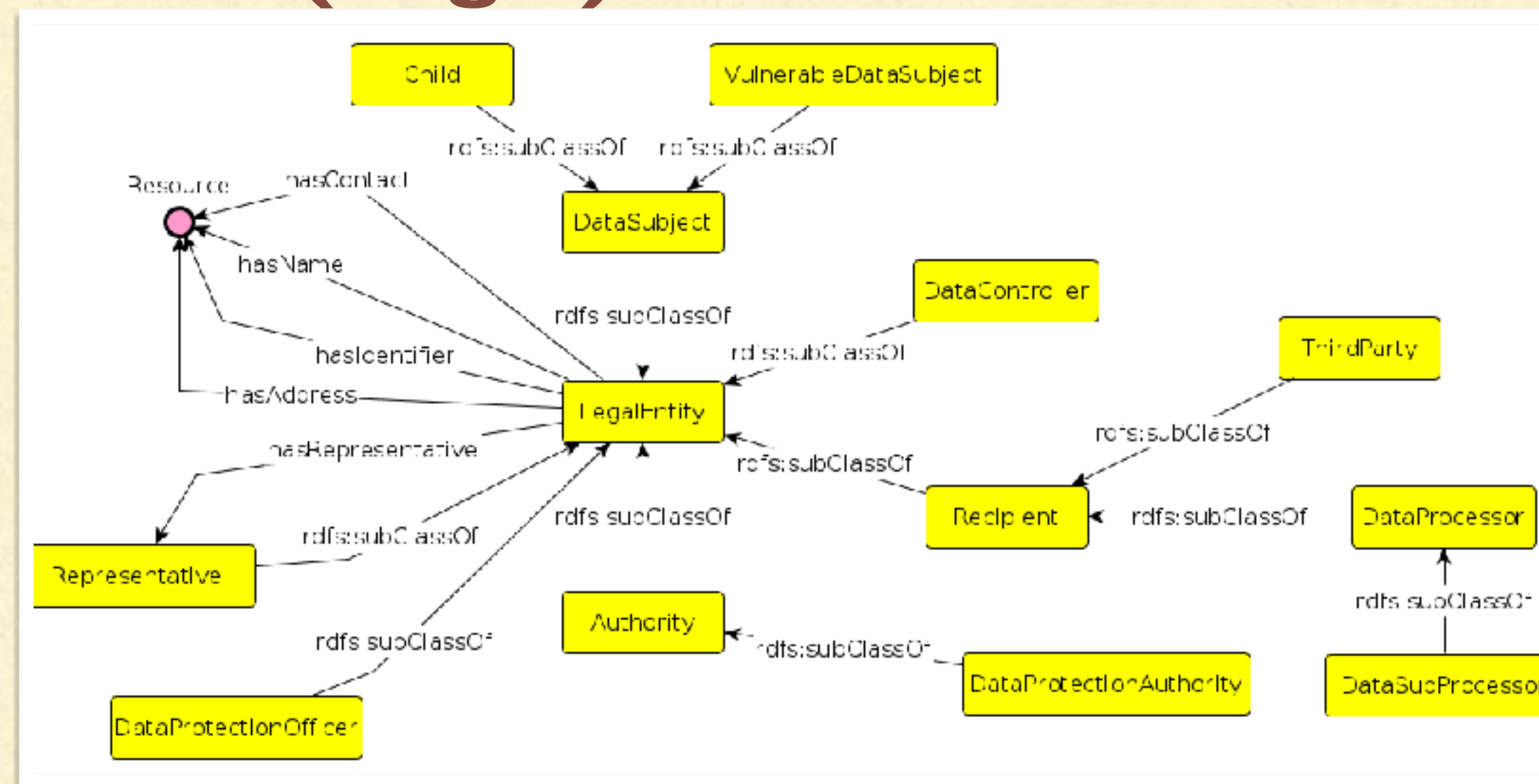
Processing Operations - How?



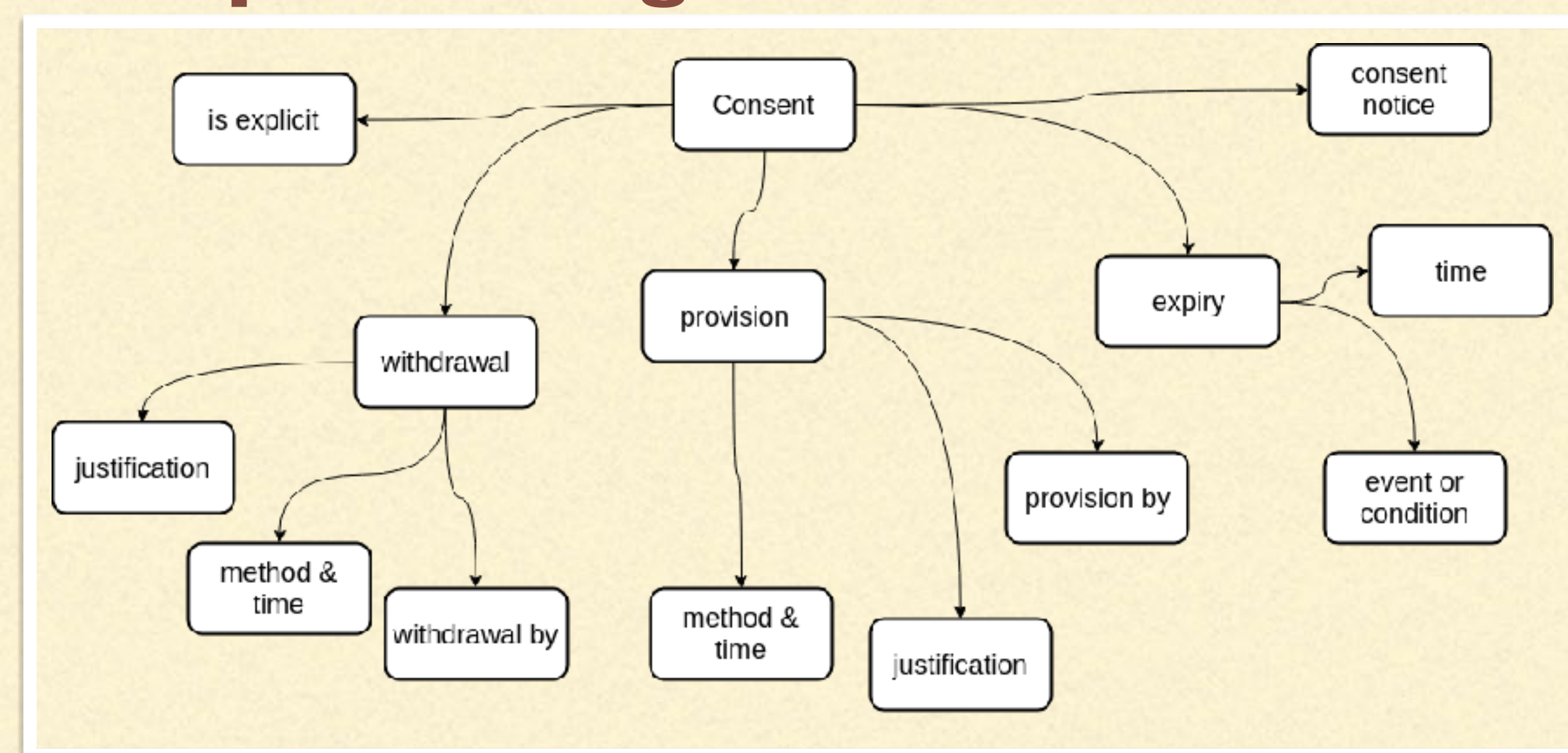
Technical & Organisational Measures - How? Where?



(Legal) Entities - Who?

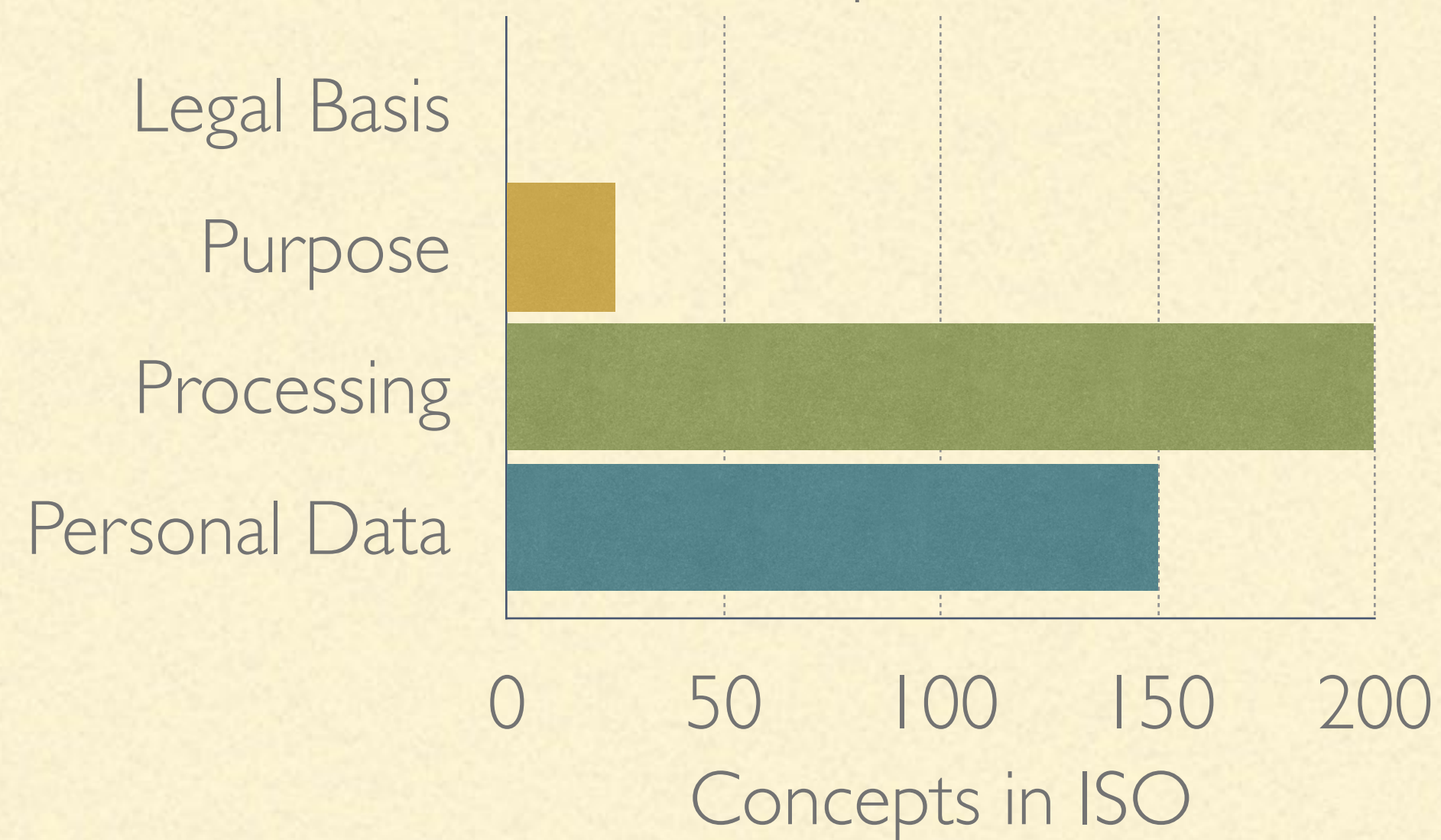
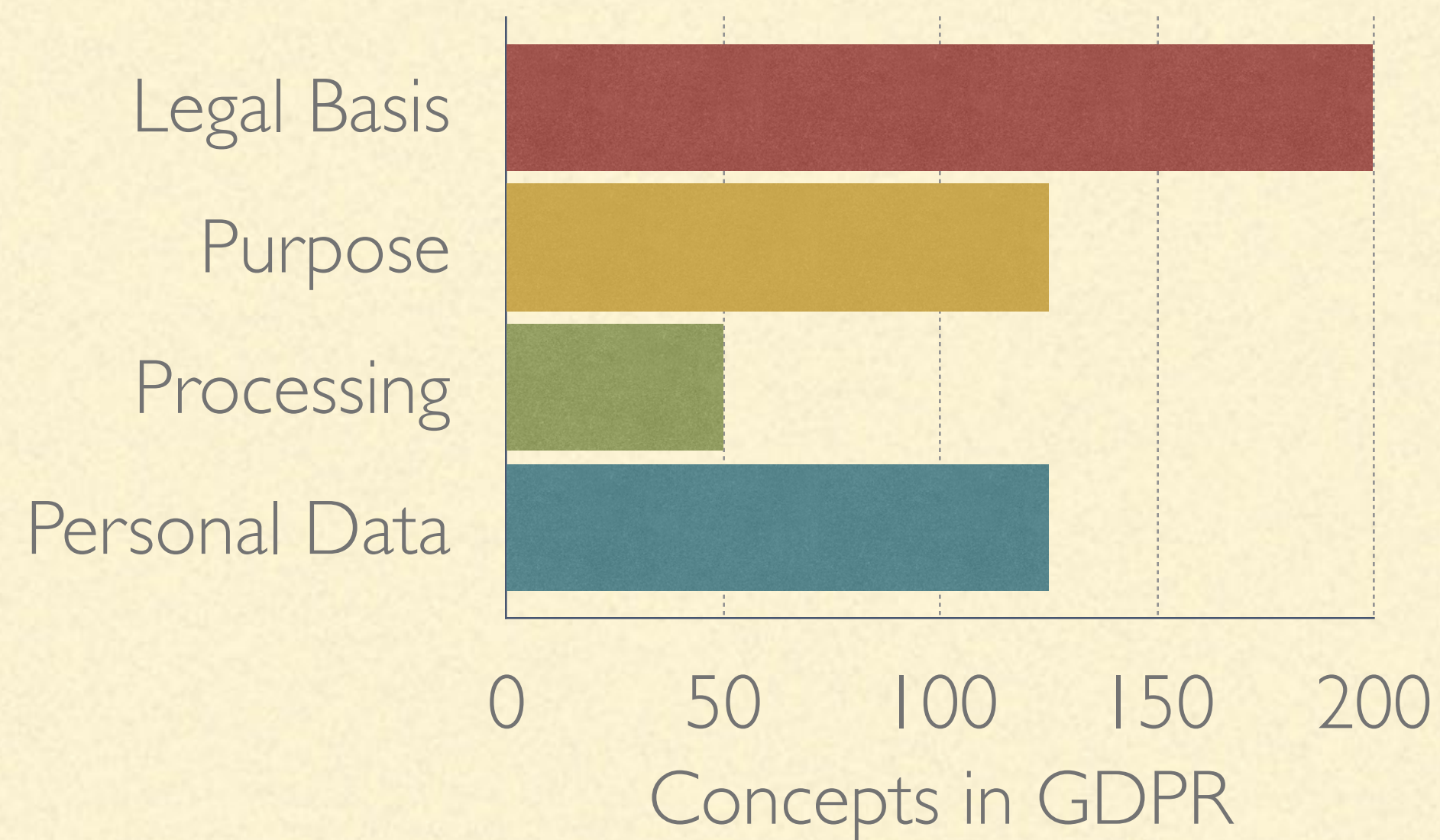
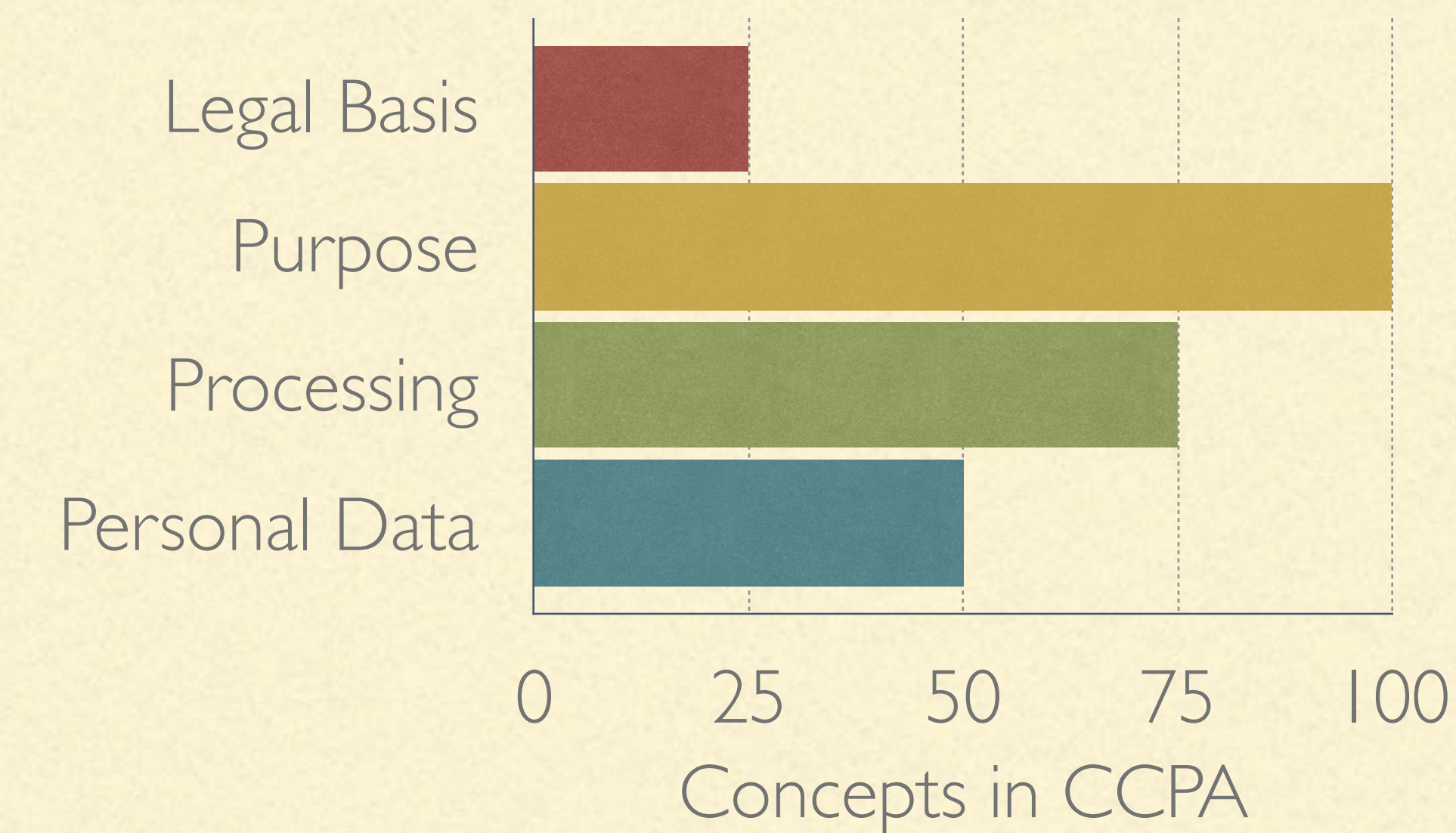
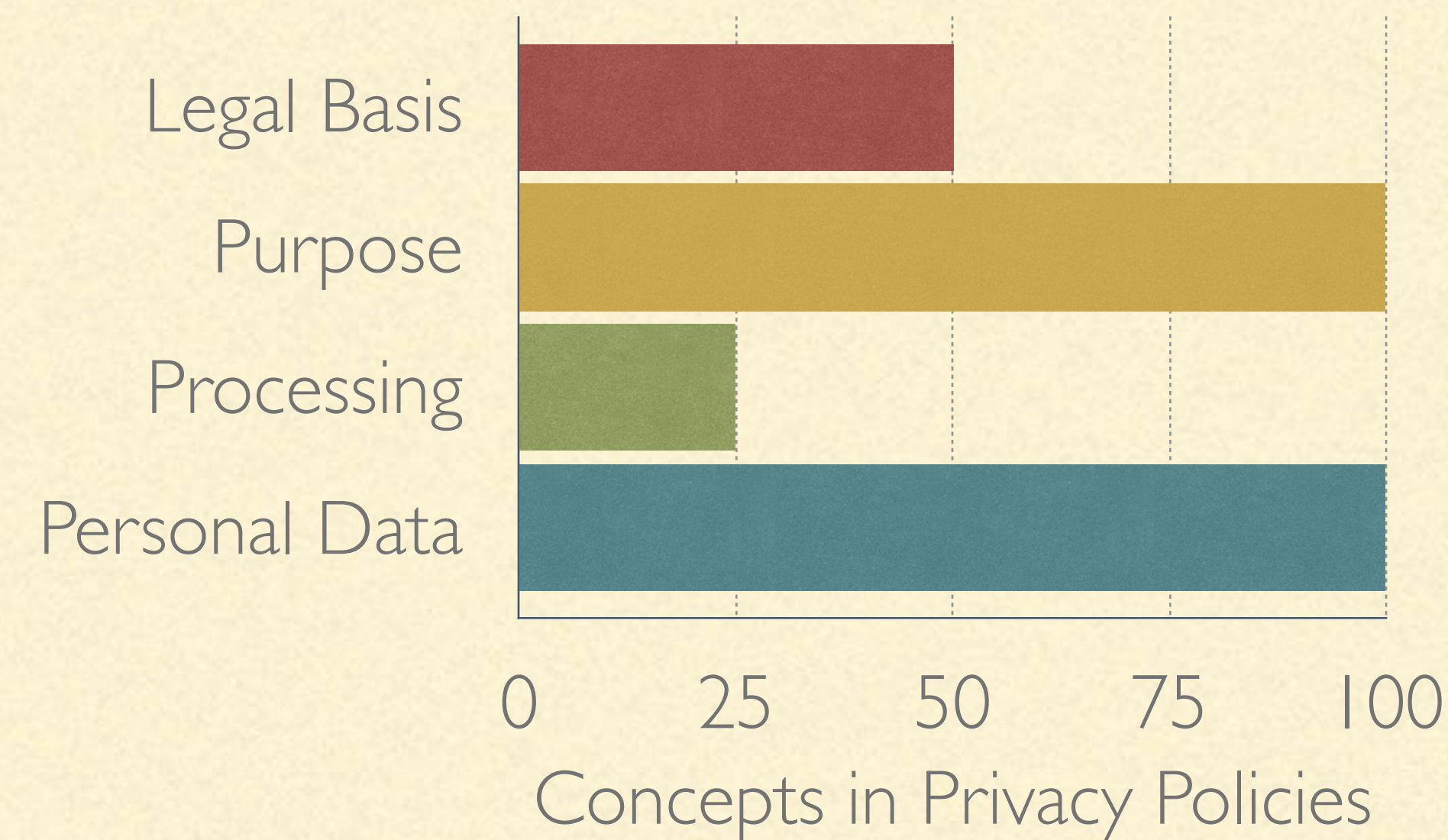


Specific Legal Basis - Consent

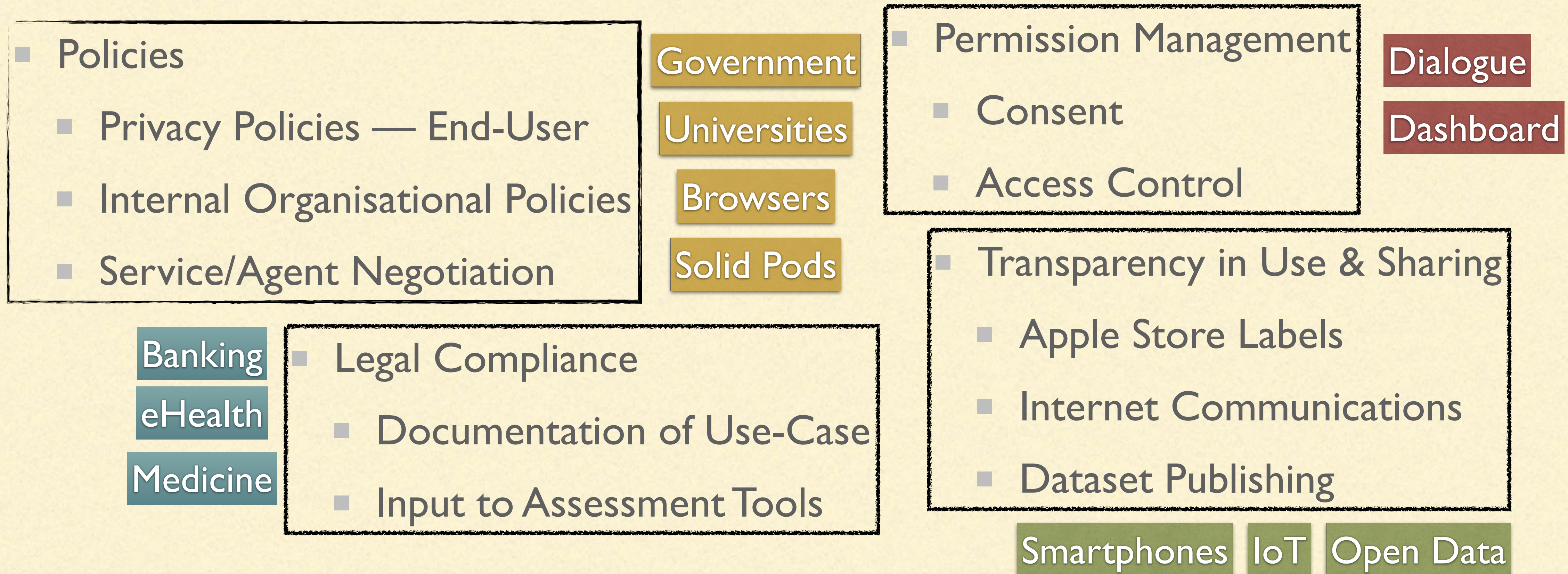


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- Taxonomy of concepts :: Purposes, Processing, Personal Data Categories, Legal Bases, Technical & Organisational Measures, Legal Entities
 - Freedom to use, mix, adopt, change :: E.g. Use only Purposes and Legal Bases
 - Formal spec using RDF :: Consistency 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 Across Use-Cases

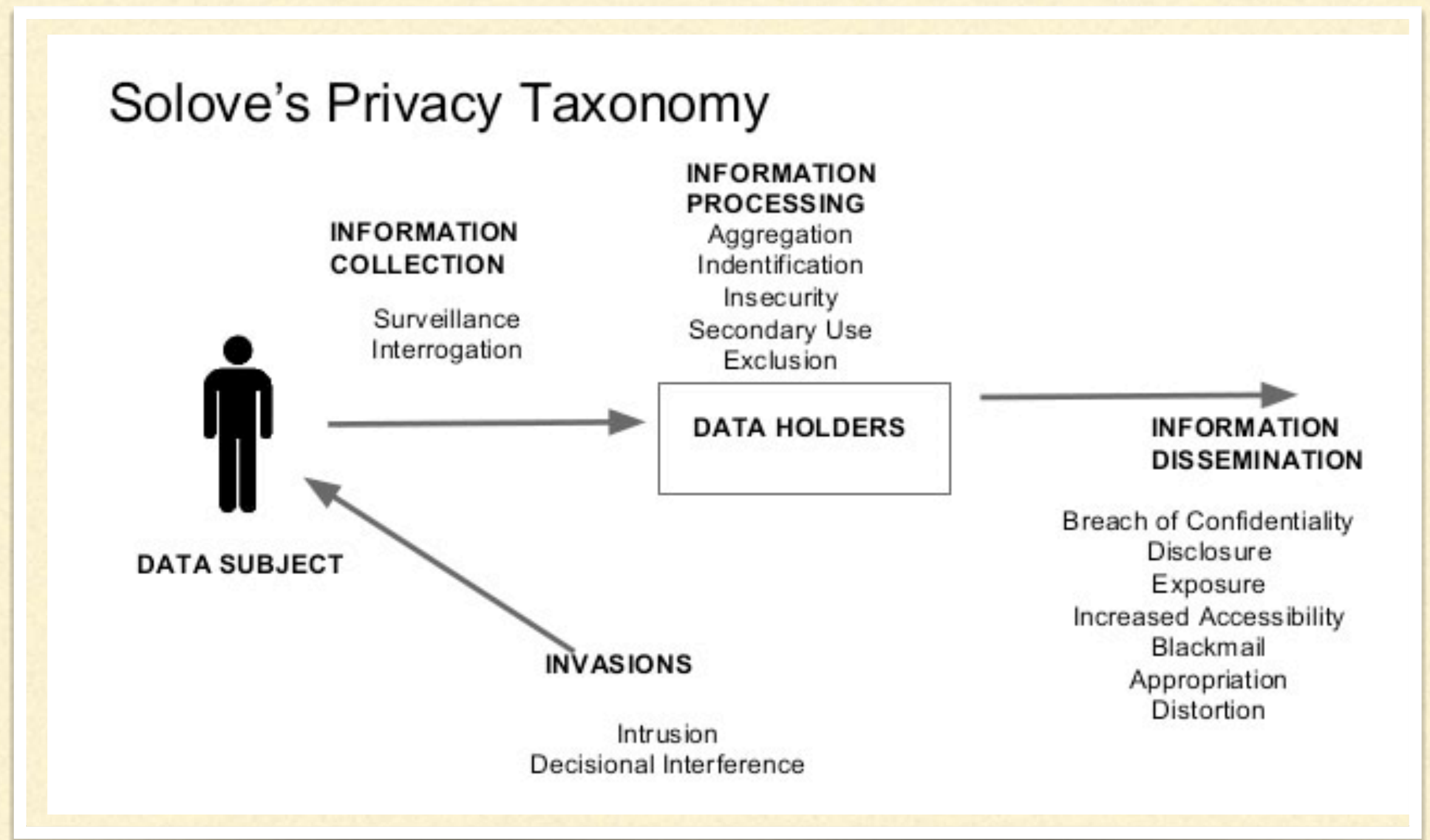


Where Can You Use DPV?



Challenges to DPV

- Permissions, Prohibitions aren't expressed
- Too much variation in Global concepts for uniformity e.g. 'Sell' in USA vs EU
- Legality \neq 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

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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/>