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From GDPR to Data Spaces



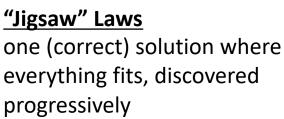
EU is building a repertoire of 'Data' Laws

Current: GDPR, DSA, DMA, DGA

Proposed: Al Act, ePrivacy, Data Act, (Health) Data Space, Interoperability Act



<u>vs</u>





"Lego" Laws
Many (correct) solutions can
work, needs agreement on
which one to choose



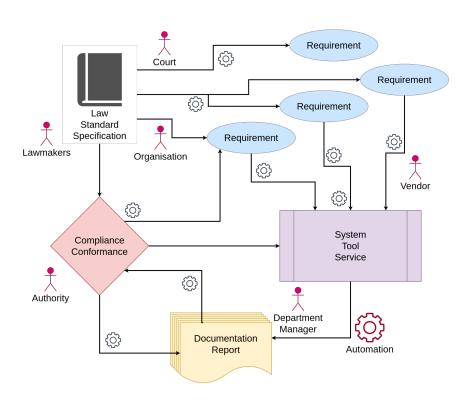
Known Challenges for GDPR Enforcement^[1]

[1] Four Years under the EU GDPR: How to fix its Enforcement https://www.accessnow.org/cms/assets/uploads/2022/07/GDPR-4-year-report-2022.pdf

<u>Time</u> investigations, decisions, appeals, final decisions	Gaps new technologies, loopholes, interpretations
Space jurisdiction, establishment, transfers, adequacy	Consistency need for EDPB, under-investigated areas
Money under-funded authorities, effective fines	Scope web-scale enforcement, pan-EU actions
Knowledge new technologies, new use-cases	(Side-)Effects malicious compliance: e.g. pesky dialogues



From Compliance to Compliance Automation



1) Automation

→ IF information is machine-readable

2) Interoperable

→ IF information has defined schema/ontology + is FAIR

3) Consistent

→ IF compliance is uniform and has 'shared interpretation'

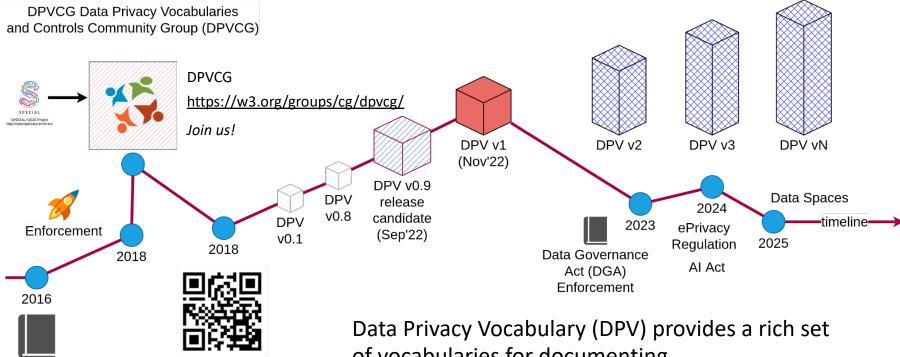


"how to create <u>effective</u> <u>compliance mechanisms</u> based on proven information management practices and standards?"

How to do this:

- (1) Interoperable specifications for <u>legal metadata</u>
- (2) Automated solutions to validate information
- (3) Focus on conformity rather than compliance





Data Privacy Vocabulary (DPV) provides a rich set of vocabularies for documenting what/who/where/why/when/etc. regarding data.

DPV Specification

https://w3id.org/dpv

GDPR

Published

DPV enables a single knowledge base to target all compliance related information and tasks

Privacy Policies

Risk Management

Consent Records

Data Breach Records

Compliance Checking

Subject Access Request

Data Portability

Impact Assessments (PIA / DPIA)

Data Input/Output Assistance

Data Transfers

Annotating code / documents

Register of Processing Activities (ROPA)

Expressing and Evaluating Rules

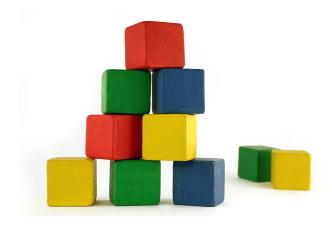
Standards & Guidelines



Future Solution

Modular + Simple Vocabularies focused on making practical tasks more effective rather than theoretical logical correctness

We **NEED** this for *fast & adaptive solutions* for the new data regulatory regime.



Law	Enforcement
<u>GDPR</u>	<u>MAY-2018</u>
<u>DSA</u>	<u>NOV-2022</u>
<u>DMA</u>	<u>MAY-2023</u>
<u>DGA</u>	<u>SEP-2023</u>
Al Act	draft
ePrivacy Reg	draft
Data Act	proposed
Health Data Space	proposed
Interop. Act	proposed







