

Simplifying Data Sovereignty with Gaia-X: A Proposal for Common Policy Vocabularies

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Data Sovereignty

SOVEREIGN: *super(lat): above, on top of – regnum(lat): royal power, kingdom*

- Control over Data **Access** and Data **Usage**:
 - Data localisation
 - Data privacy and security
 - Terms of Use
 - Consent and Authorisation
 - ...
- **Regulations** and domain specific compliance scheme:
 - Finance
 - Health
 - Energy
 - Transport
 - Manufacturing
 - ...
- **Legal Jurisdiction**:
 - GDPR/LGPD/PDPA/CCPA/VCDPA
 - Data Act
 - Data Governance Act
 - ...



Contracting

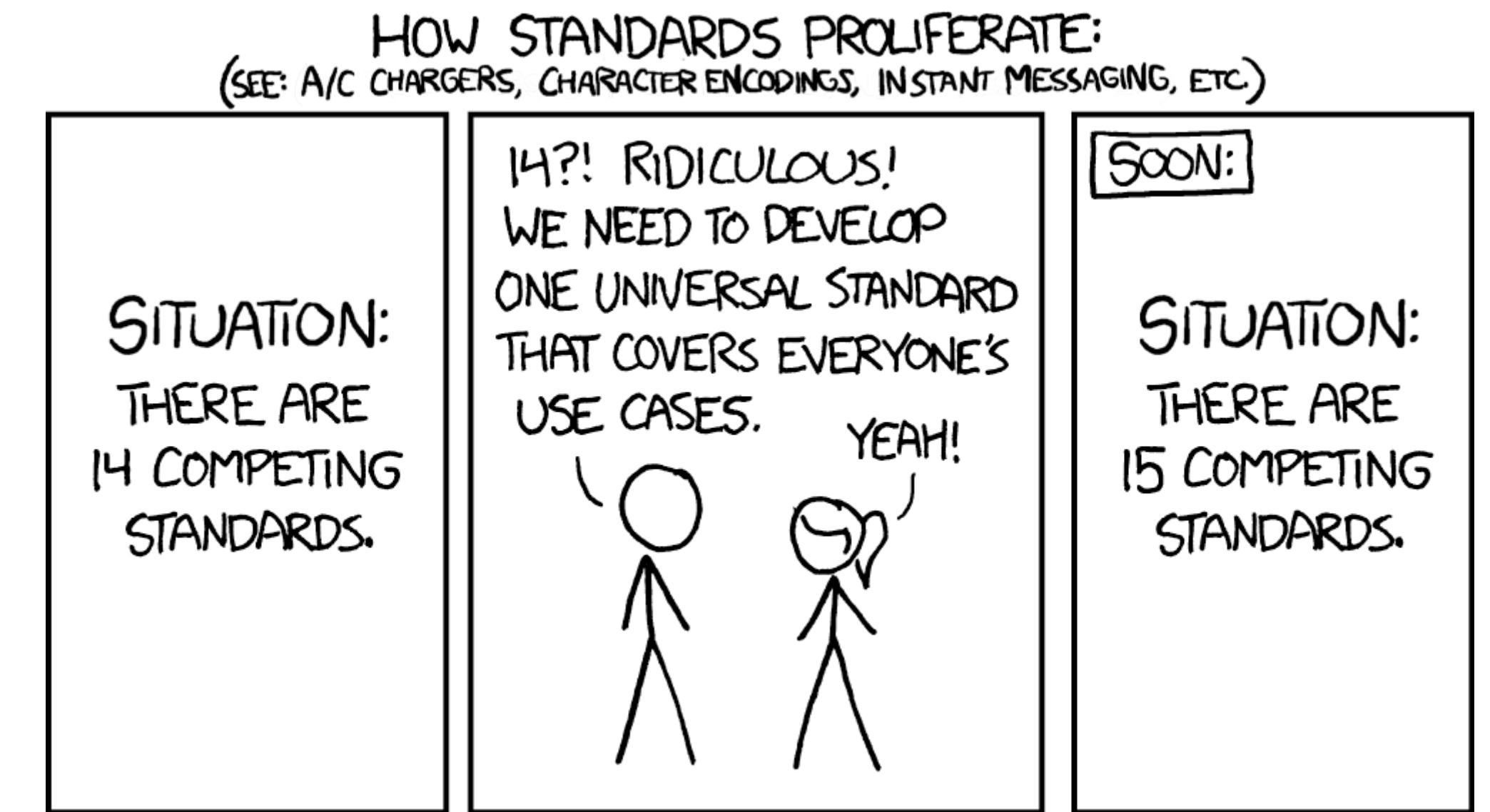
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Semantic Interoperability

- Common **policies, procedures and rules**
 - Know Your Business / Know Your Consumer
 - Contracting procedures
 - Conformity assessment methods
 - ...
- Common **information models**
 - Contracting state machine
 - Service composition model
 - Rights delegation model
 - ...
- Common **vocabularies**
 - Access & Usage rights
 - Services & Products description
 - ...

Common standards

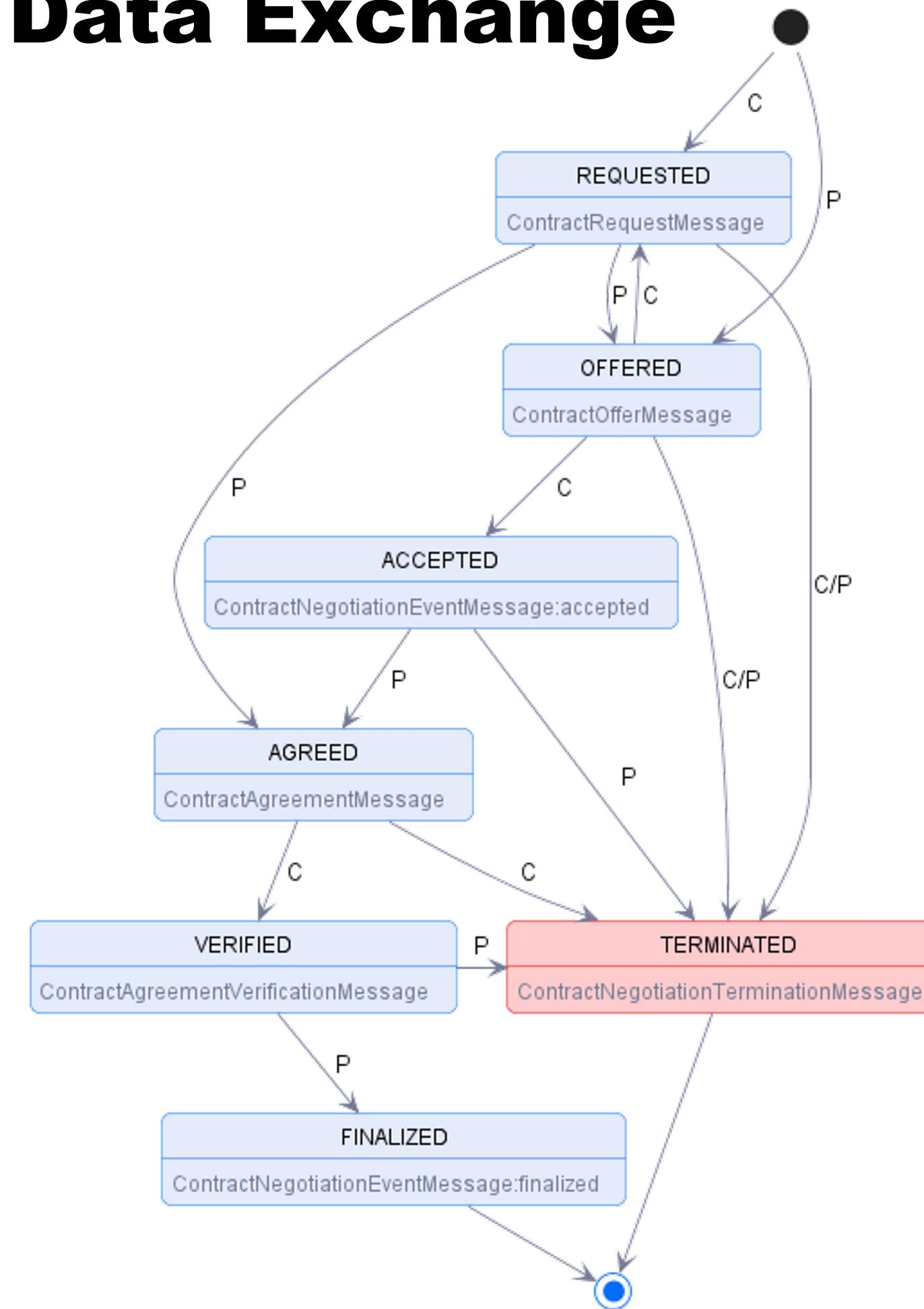
reuse and improve existing standards *de facto / de jure*



Supervised/automated Contracting for Data Exchange

From DGA Data Intermediaries to bubble gum vending machines

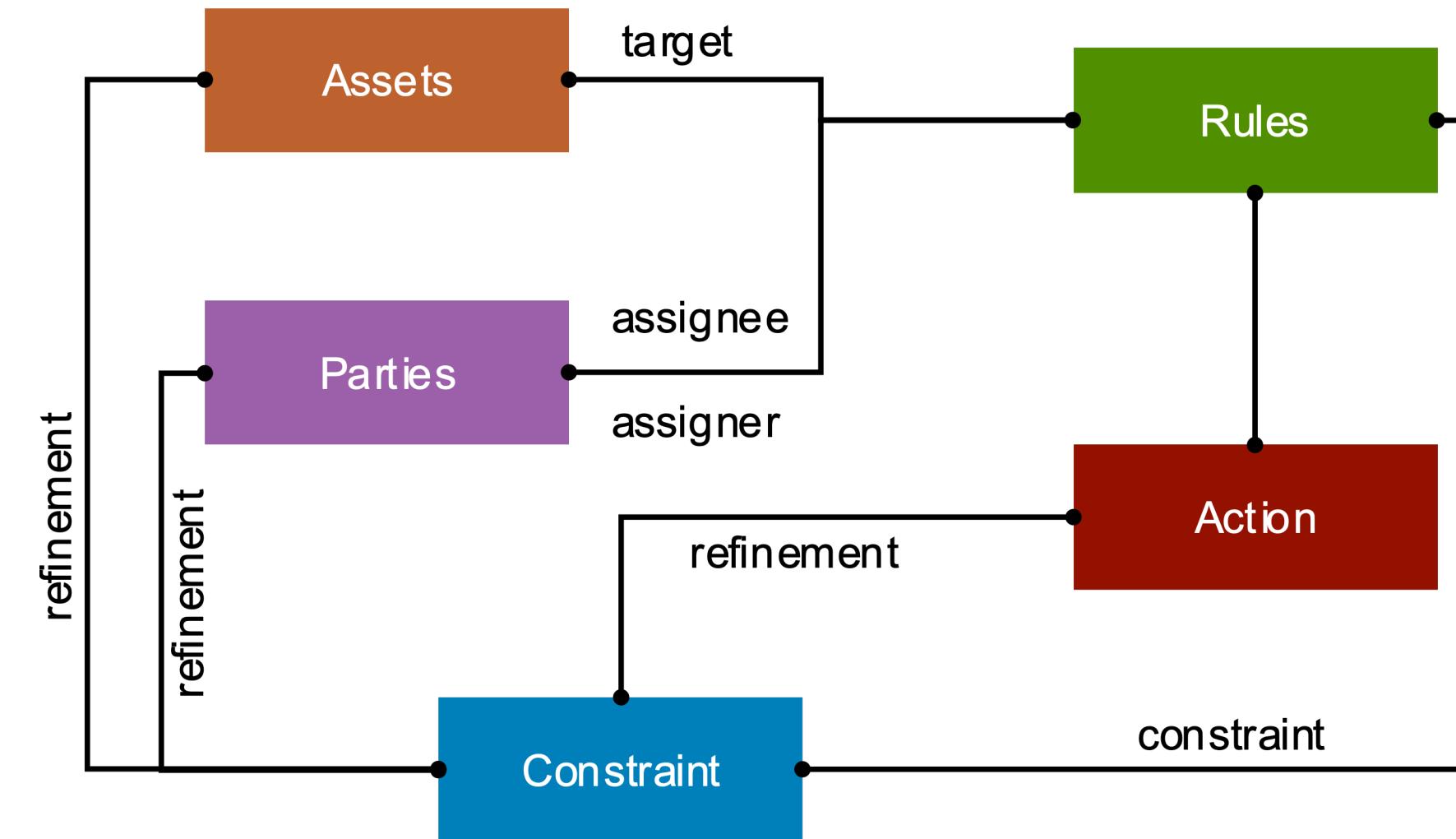
- Contract :legally binding agreement governed in the EU civil law by
 - Freedom of contract
 - Binding force
 - The absence of formalities
 - Contractual fairness
- Common procedures for contracting
 - Digital signature
 - Storage and confidentiality
 - Exchange format
 - ...
- Common clauses/templates for reasoning
 - Scope
 - Roles and Responsibilities
 - Termination
 - Governing law
 - ...



IDSA Dataspace Protocol v0.8 – Contract Negotiation state machine

Common Vocabularies and Ontologies

- Recommend to use Open Digital Rights Language (ODRL) information model and vocabularies



THANK YOU!

*“Tell me how you are contracting, I'll tell you what
type of dataspace you are”*

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