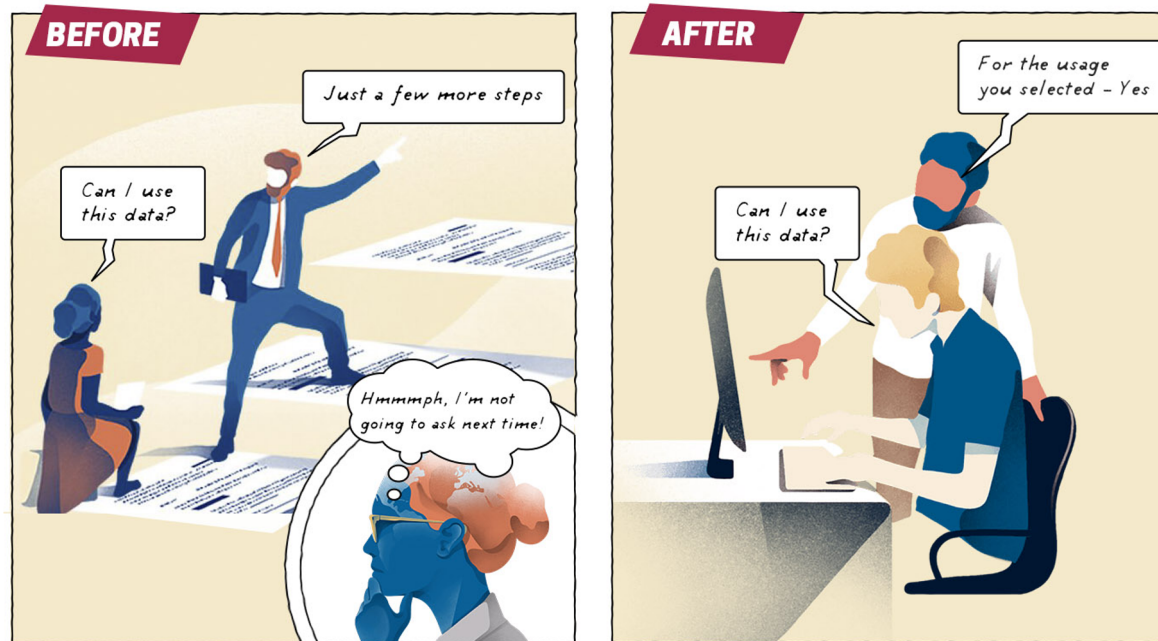


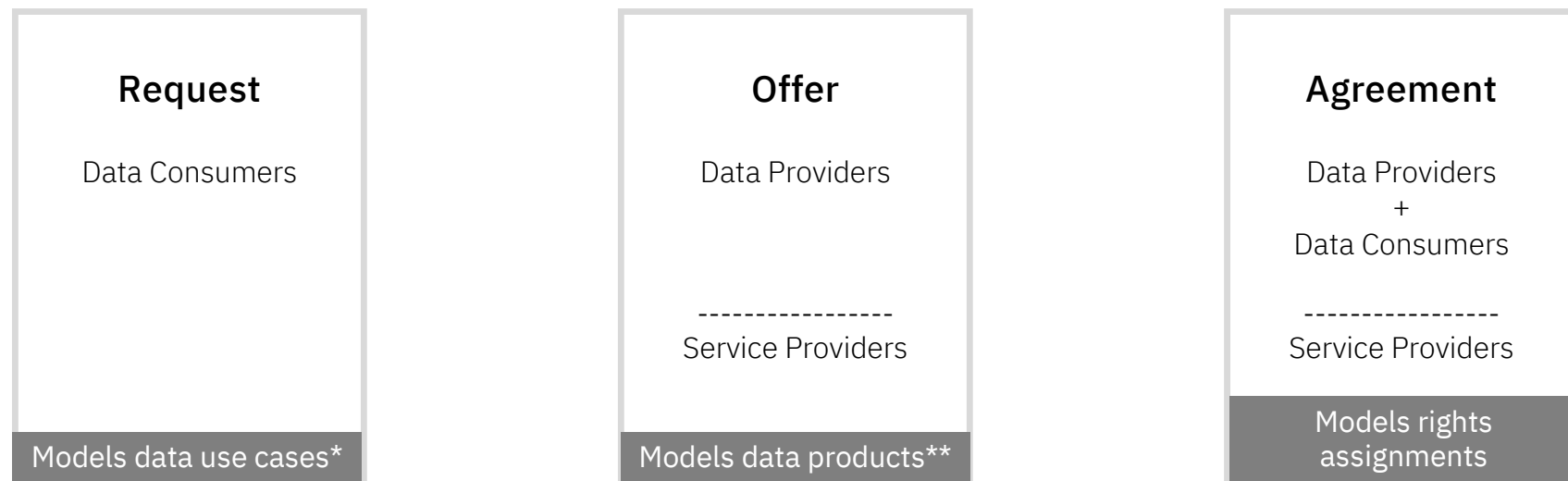
PURPOSE

AUTOMATE COMPLIANCE ALONG THE DATA SUPPLY CHAIN



SUPPLY CHAIN ARTIFACTS

Interoperable across implementations



* Specifically, the rights required to satisfy a data use case

** Specifically, the rights offered by a data product

ORGANISATION-LEVEL FUNCTIONS

Scoped to the organisation

Policy Creation & Maintenance

Offers
Agreements

Decision Support

Requests
Offers
Agreements

Enforcement

Agreements

USE CASES

1. Create policy
2. Validate policy
3. Publish policy
4. Manage policy

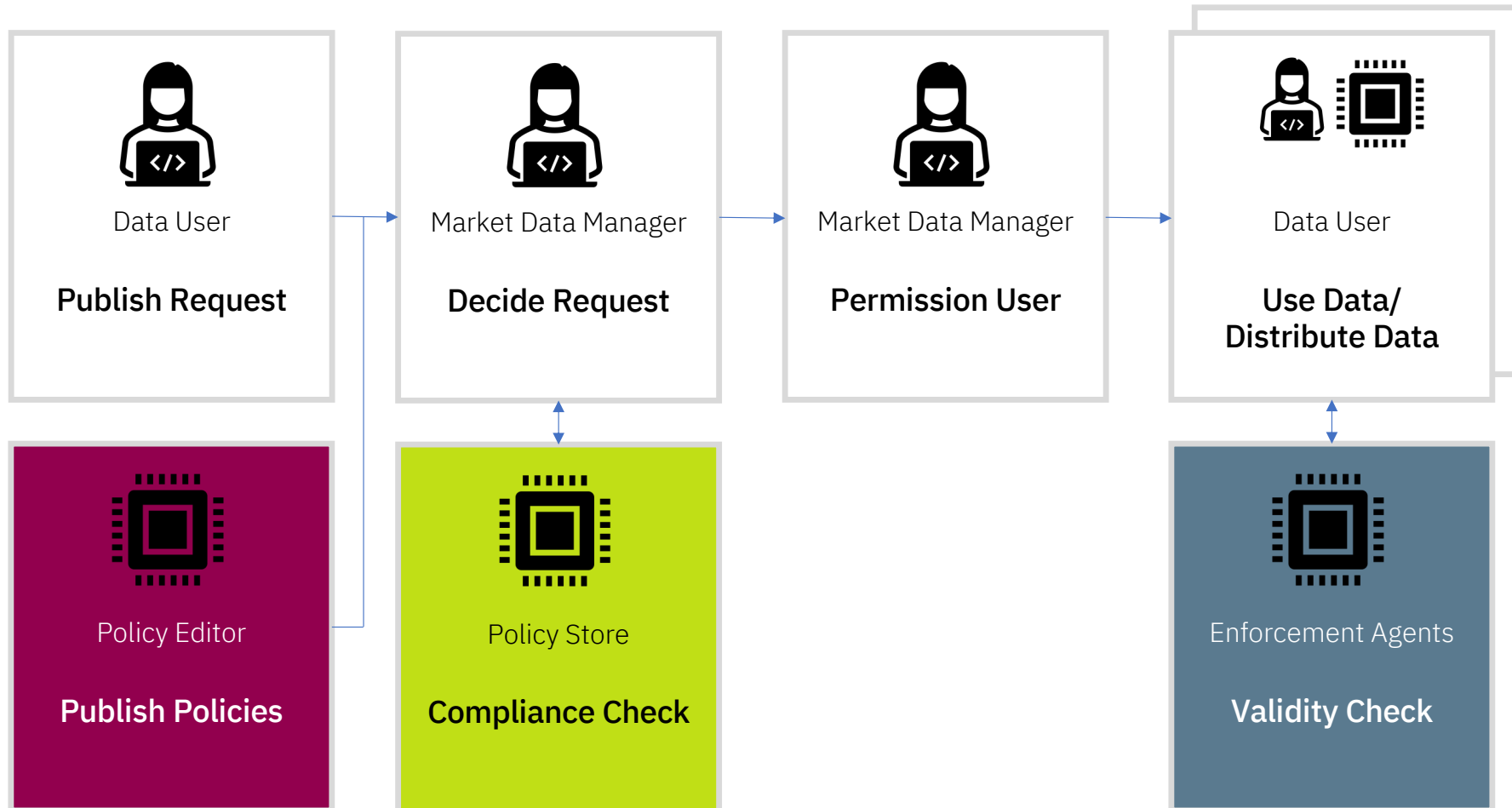
1. Import policy
2. Create request
3. Decide request
4. Permission user

1. Access control
2. Redistribution



Deontic\data

SUPPORTED FLOW



Deontic\data

COMPLIANCE CHECK

The compliance check is a *subsumption* check

It's formally defined in OWL and other description logics

$$R_i \leq A_j$$

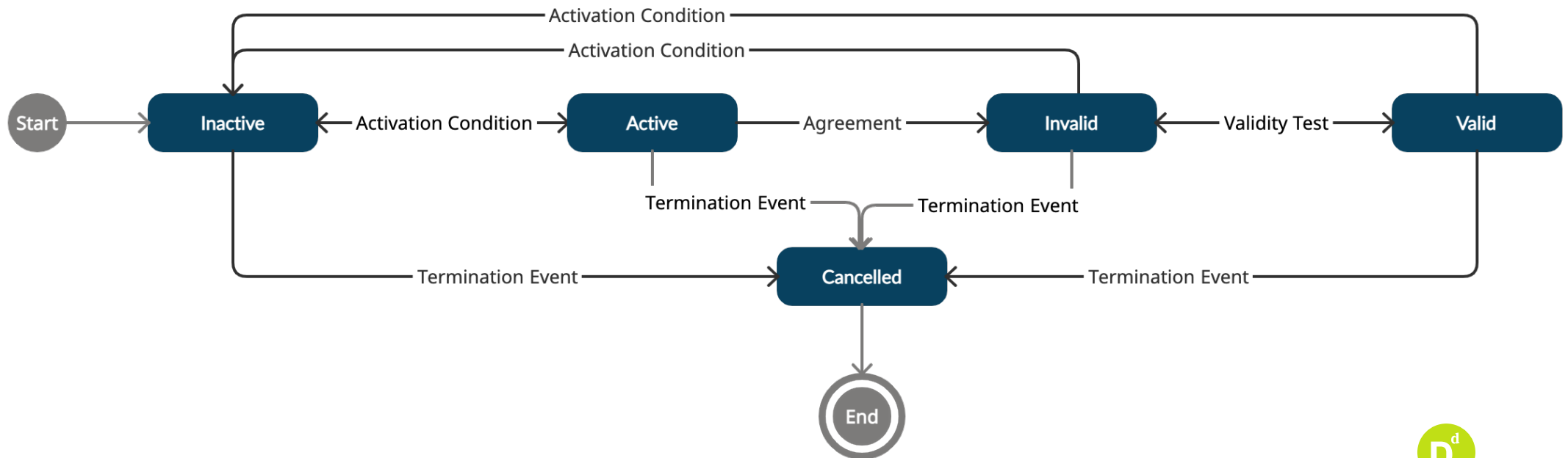


VALIDITY CHECK/1

The validity checks the *deontic state* of rules.

This is a concept from deontic logics. We need to formalize it for our domain.

Permission State



VALIDITY CHECK/2

Duty State

