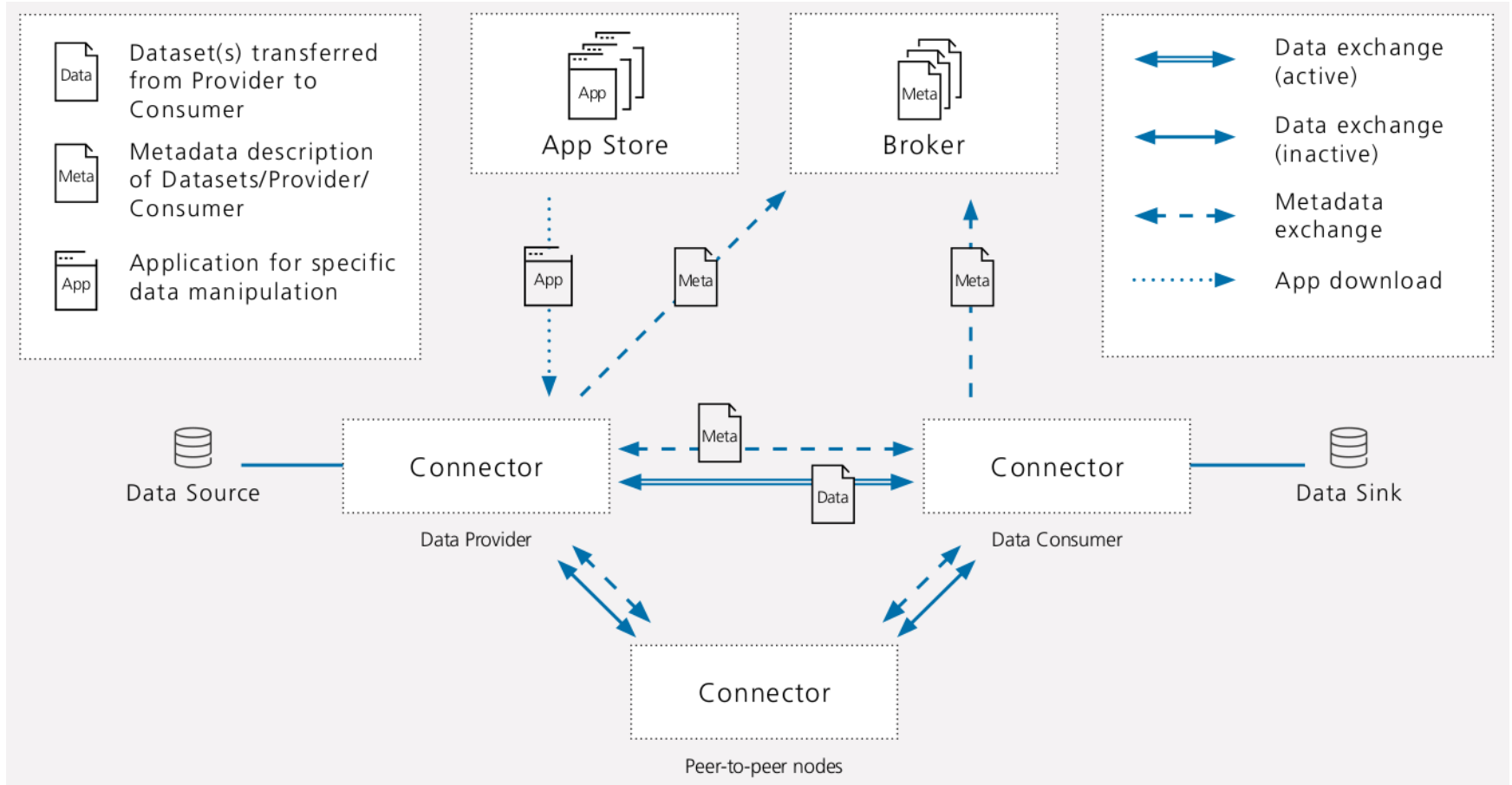

ODRL-based Usage Control

Establishing a Community of Practice

Position Statement – W3C Workshop on Privacy and Linked Data

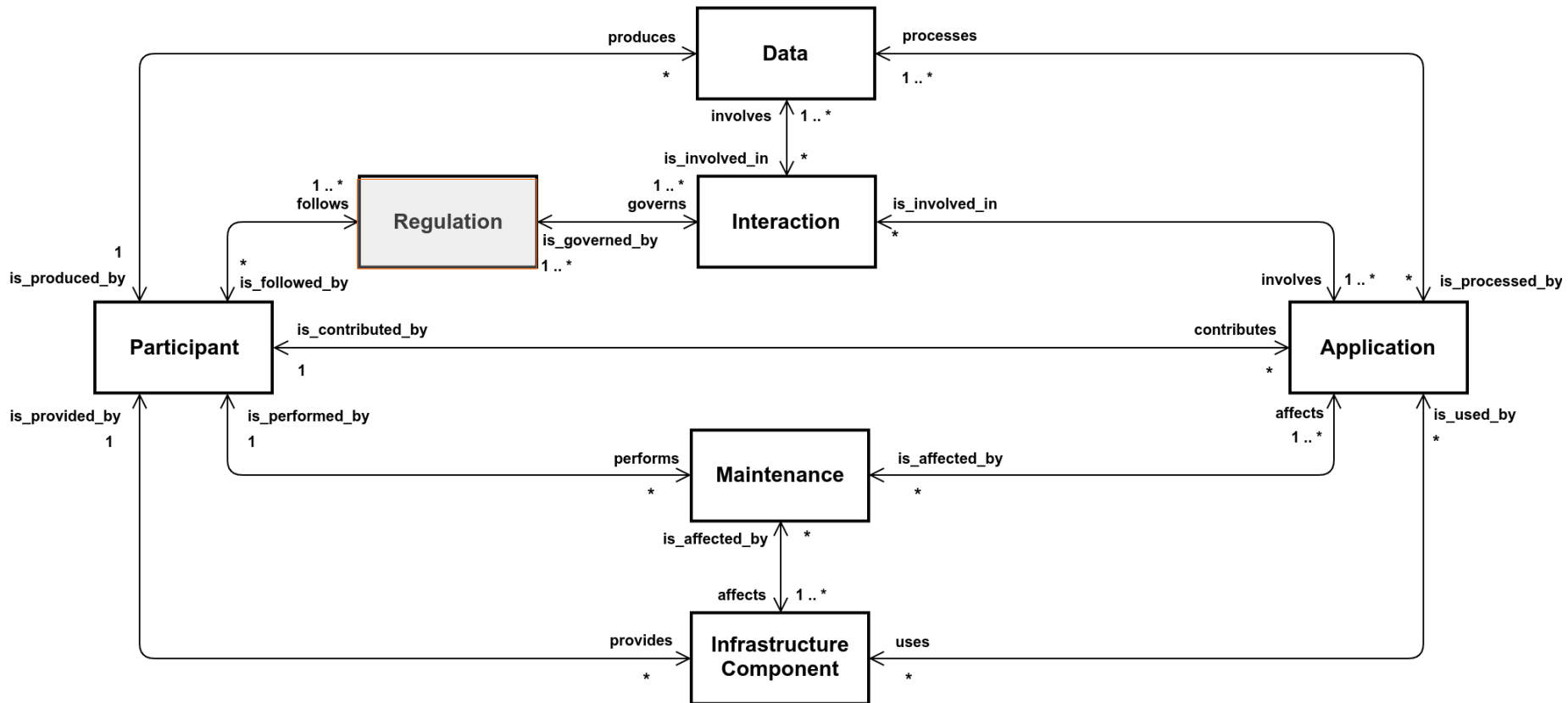
Jaroslav Pullmann, Fraunhofer FIT
Christian Mader, Fraunhofer IAIS
Andreas Eitel, Fraunhofer IESE

Context / Industrial Data Space / Architecture

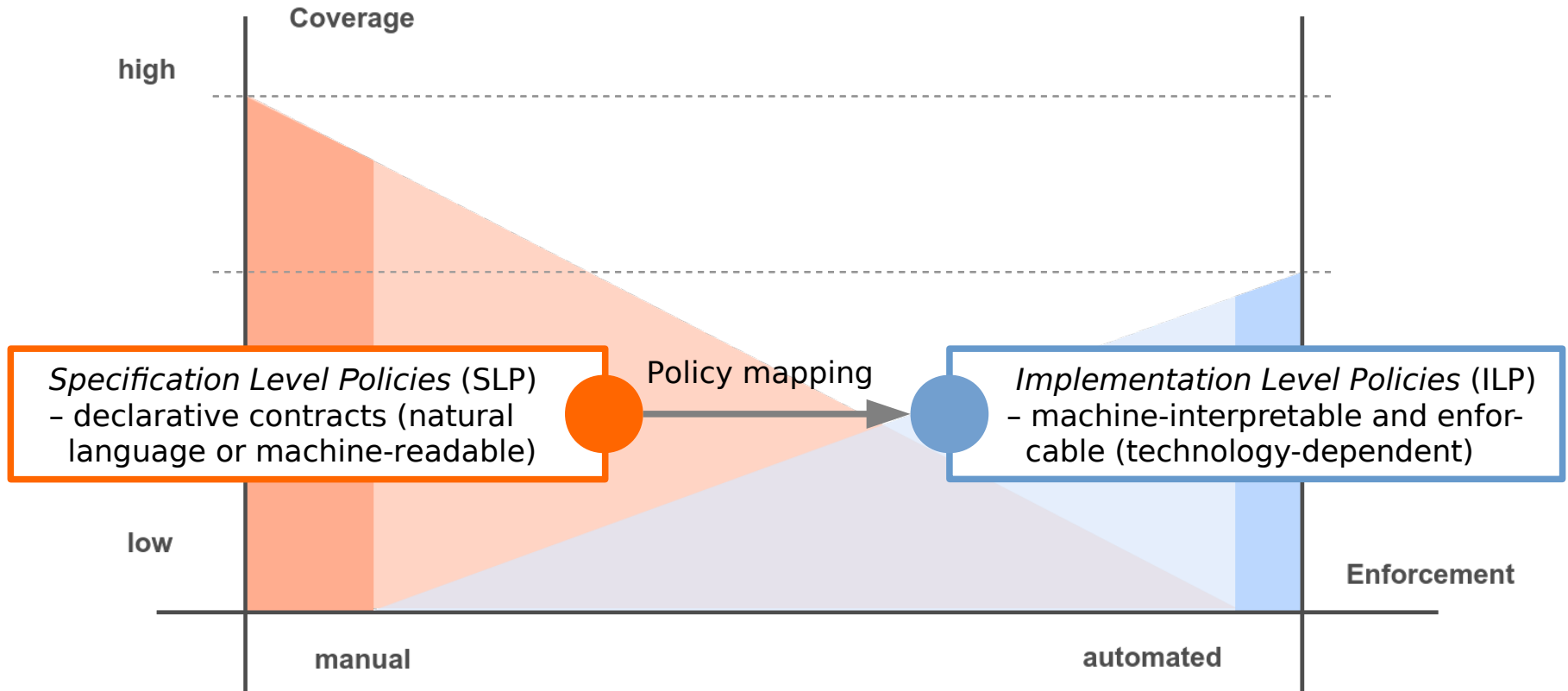


Reference: <https://www.fraunhofer.de/en/research/lighthouse-projects-fraunhofer-initiatives/industrial-data-space.html>
<http://www.industrialdataspace.org/en/>

Context / IDS Information Model



Motivation / Usage Control Enforcement



Proposal / Action Points

■ Usage Control

- Agree on language for *Specification Level Policies* for digital assets (ODRL + Profiles)
- Emphasize (technical) *enforcement*
 - Define requirements and investigate limitations (Non-enforceable ↔ enforceable policies)
 - Investigate implementation options (Legal contracts ↔ enforcement framework, e.g. IND2UCE)

■ Scope

- Integrate *domains* beyond media (B2B data marketplaces, IOT and industrial agents etc.)
- Consider legal restrictions (GDPR), licensing and “data residency” topics

■ Specification

- Explicate assumptions and implicit *conceptualization* (*action*, *leftOperand*)
- Provide guidance on *intended usage and unambiguous interpretation* of ODRL constructs

■ Community of Practice

- Establish a live, community-driven *reference* (modeling patterns, templates etc.)
- Establish a *governance infrastructure* (issue management, vocabulary extensions etc.)
- Involve *user community* (digital asset providers, solution providers etc.)
- Involve *implementors* of enforcement solutions
 - Relate to existing standardized software architectures (e.g. XACML 3.0)
- Involve *lawyers and legal experts*
 - Clarify legal liability, semantic equivalence, translation to readable contracts etc.