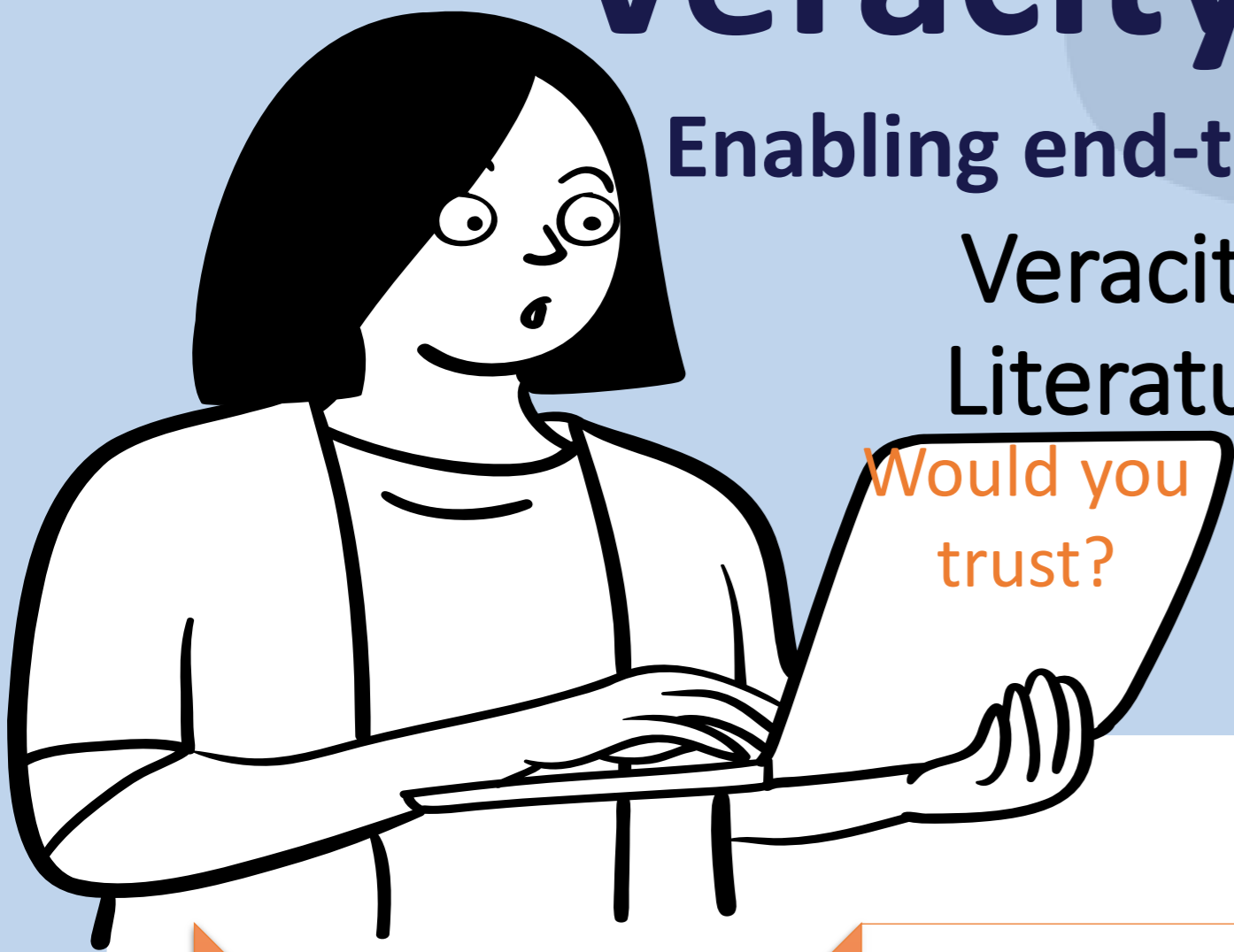


Veracity Technology Spearhead

Enabling end-to-end veracity within value exchange ecosystems

Veracity Requirements Debt in Software-based Technology: Literature Review (Initial Analysis) and a Real-world Example

Judith Perera, Faith Culas, Natalia Ortega, Matthias Galster, Kelly Blincoe, Ewan Tempero, Yu-Cheng Tu



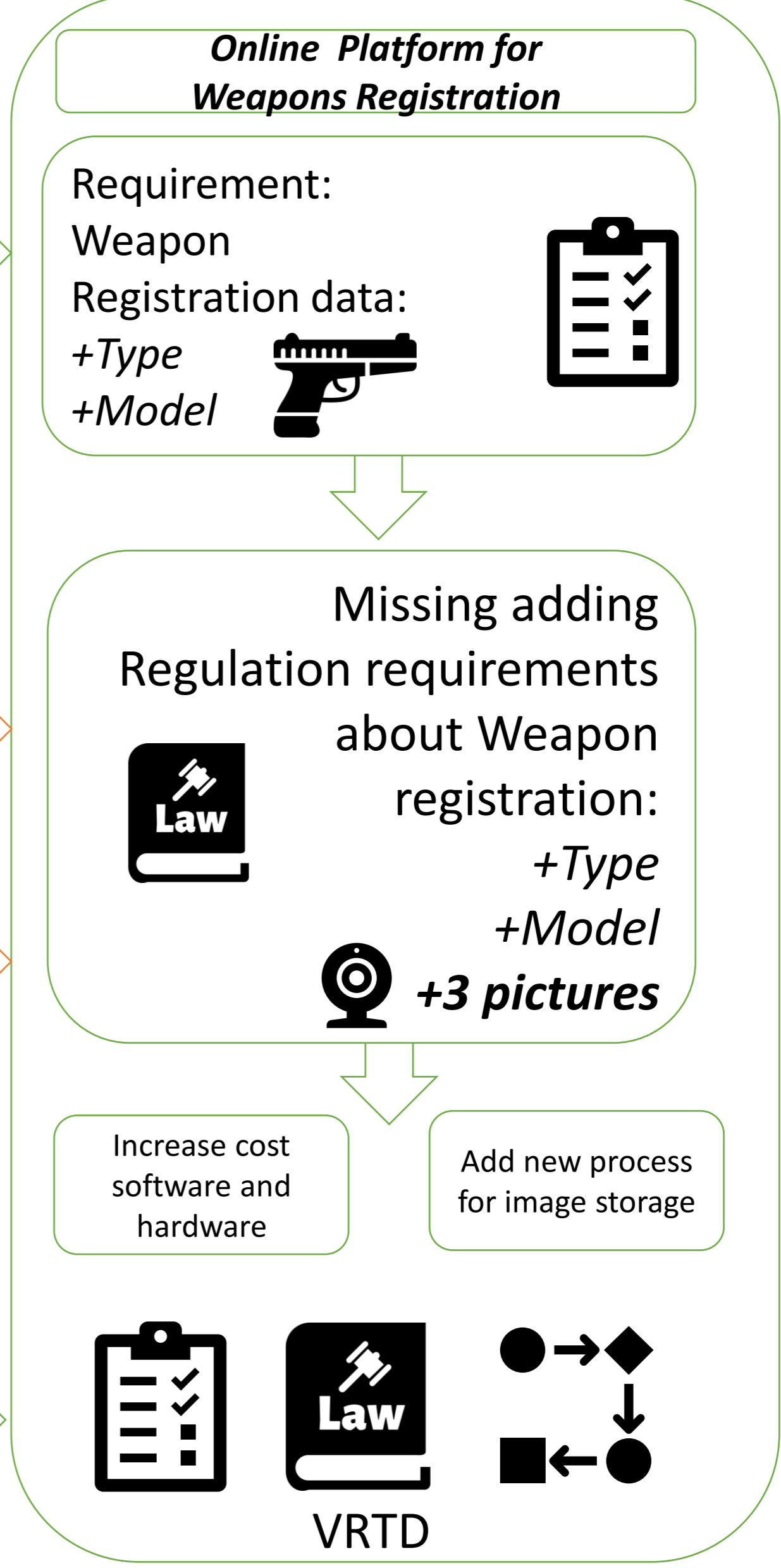
- **Requirements Technical Debt (RTD):** captures the consequences of sub-optimal decisions made concerning requirements, either deliberately (for strategic gains) or inadvertently (due to changes in context), during the identification, formalization, and implementation of requirements (Perera J. et al, 2023)



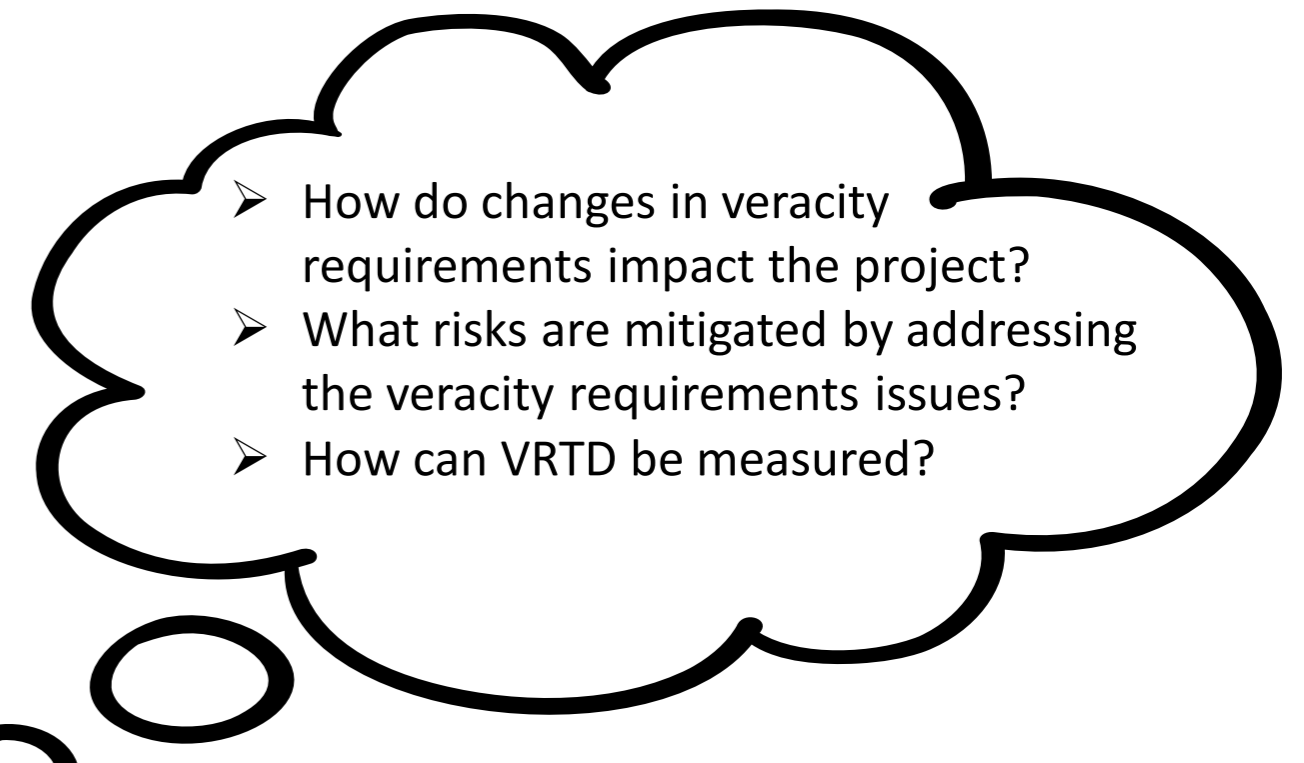
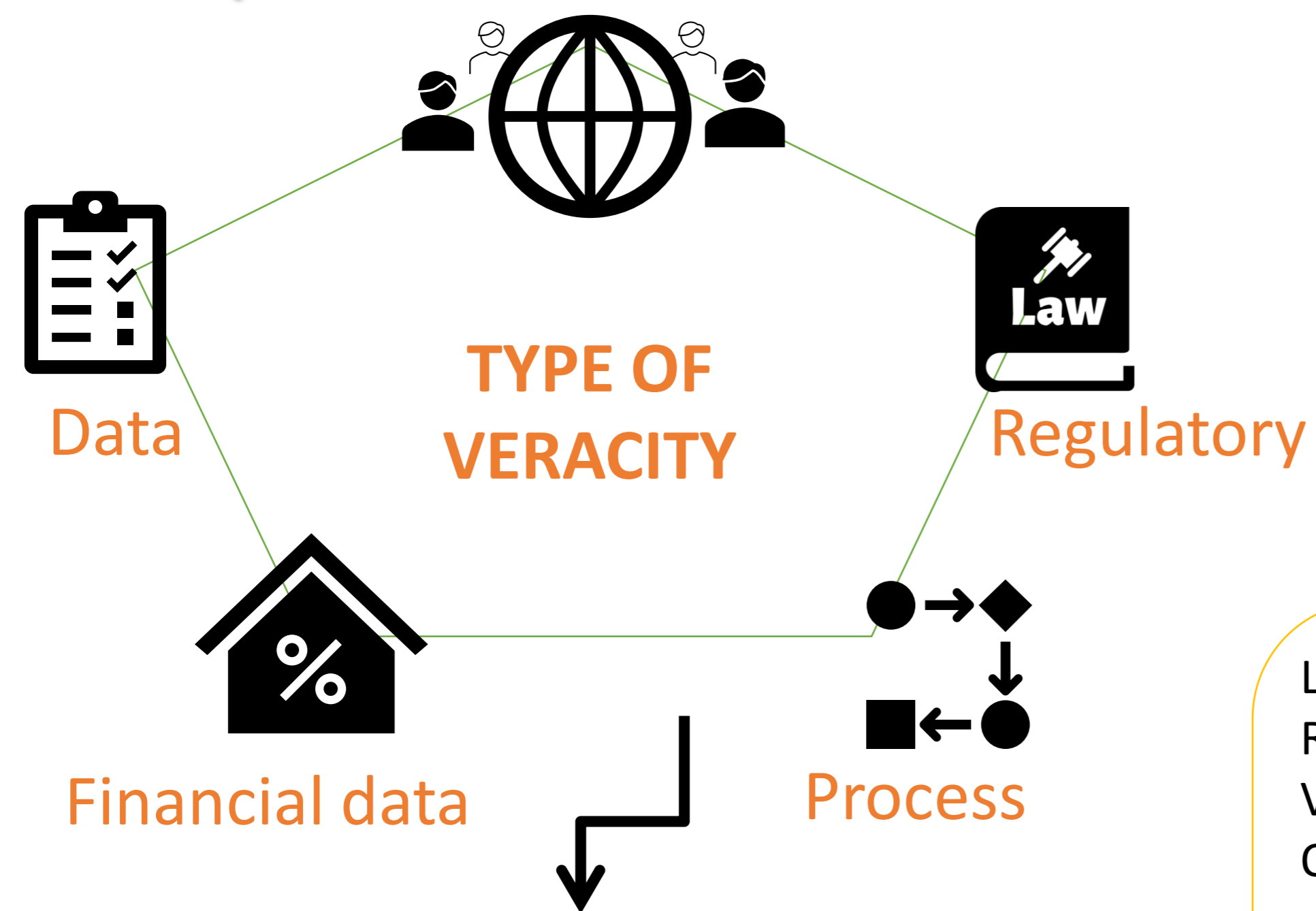
- Ignoring user needs and feedback, vague requirements, suboptimal solutions.
- **Incomplete requirements due to poor traceability, documentation, stakeholder management.**
- Partial implementation causing functionality gaps, missing non-functional requirements.
- **Poor requirements elicitation and analysis.**



- **Veracity Requirements Technical Debt (VRTD)**
- The definition of veracity: 'Trust, truth, authenticity, and demonstrability'.
- Veracity Requirements Technical Debt (VRTD) or Veracity Debt captures the consequences of sub-optimal decisions made concerning veracity requirements.
- **Example:** Errors in the public private data. Even when data rectification paths are open.



Cultural



Enable users to *understand, contest, and trust* technology-driven decisions that affect them.

Literature Review on Requirement Technical Debt, Veracity Attributes, Software Quality Models and Dimensions of Culture.
Next steps:
+Online Survey on RTD and VRTD among software experts
+Semi-structured Interviews with software experts

Be part! Register here!

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