Towards a modular, model-driven architecture!

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‘Severe problems’ in The Netherlands

- ‘Silo’ standards
- Which have overlap
- Integrated standards (‘all OSI-layers’ included)
- Historically grown standards (XML as starting point)

The process of standardisation & innovation in exchange of data is severely hindered !!!

f.e. how could IMS-standards fit into our landscape
Example in LILI2017

No single standard does it all.
...so standards organizations work together.
Our solution:

- Modularisation
  - Data definitions / information models / Data dictionary
  - Interaction patterns
  - Technical layer (REST ⇔ SOAP)
  - Security

- Model-driven
  - Logical information models as starting point
Model-driven-generation-of-exchange-specs

Logical Information models

- student
- test
- Learning result
- Rostering

Exchange specs / Implementation models

{ REST }
Could you help us?

- Do you recognise this?
- Do you have experience?
- Advice on tooling?