

Kennisnet

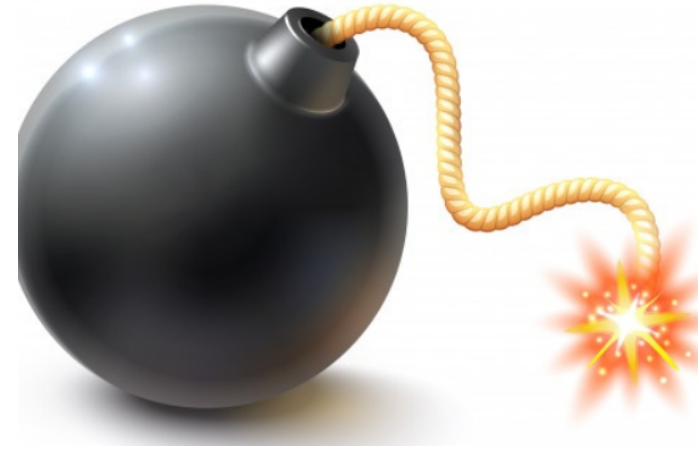
# Towards a modular, model-driven architecture!

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Laat ict werken **voor het onderwijs**

# 'Severe problems' in The Netherlands

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

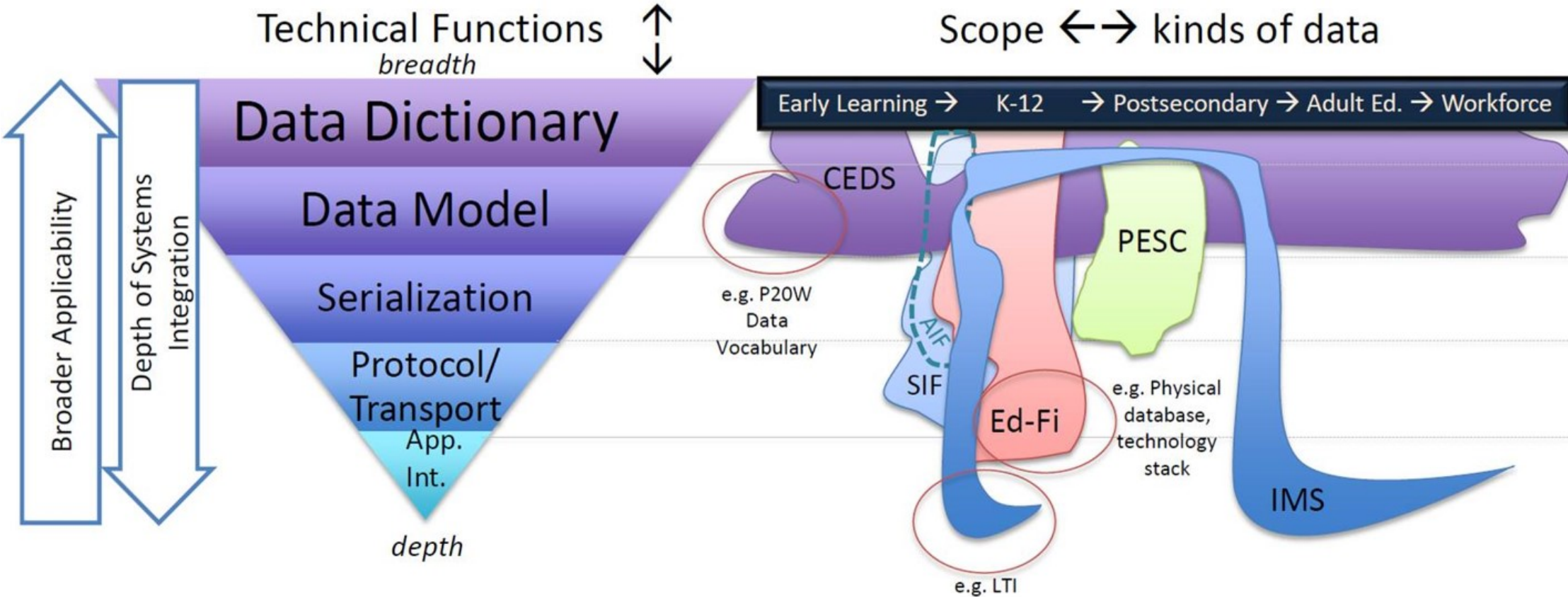


The process of standardisation & innovation  
in exchange of data is severely hindered !!!

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

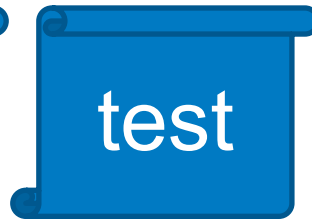
- ▶ Data definitions / information models / Data dictionary
- ▶ Interaction patterns
- ▶ Technical layer (REST ↔ SOAP)
- ▶ Security

## Model-driven

- ▶ Logical information models as starting point

# Model-driven-generation-of-exchange-specs

Logical  
Information  
models



Exchange specs /  
Implementation models



{ REST }

# Could you help us?

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