INSPEC Overview

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INSPEC is done within the building block metada in ENA

The Swedish agency for digital government (Digg) leads the work of establishing an inter-agency digital infrastructure (Ena) to allow information to be exchanged in a safe and efficient manner. The focus is on:

- Collaboration
- National masterdata (framework)
- Competency areas
- Enabling building blocks (like building block for metadata)

https://www.digg.se/ledning-och-samordning/ena---sveriges-digitala-infrastruktur

Work process for INSPEC

Material:

- Everything on Github https://github.com/diggsweden/interoperable-specifications
- In english to allow collaboration in the nordics and Europe

Process:

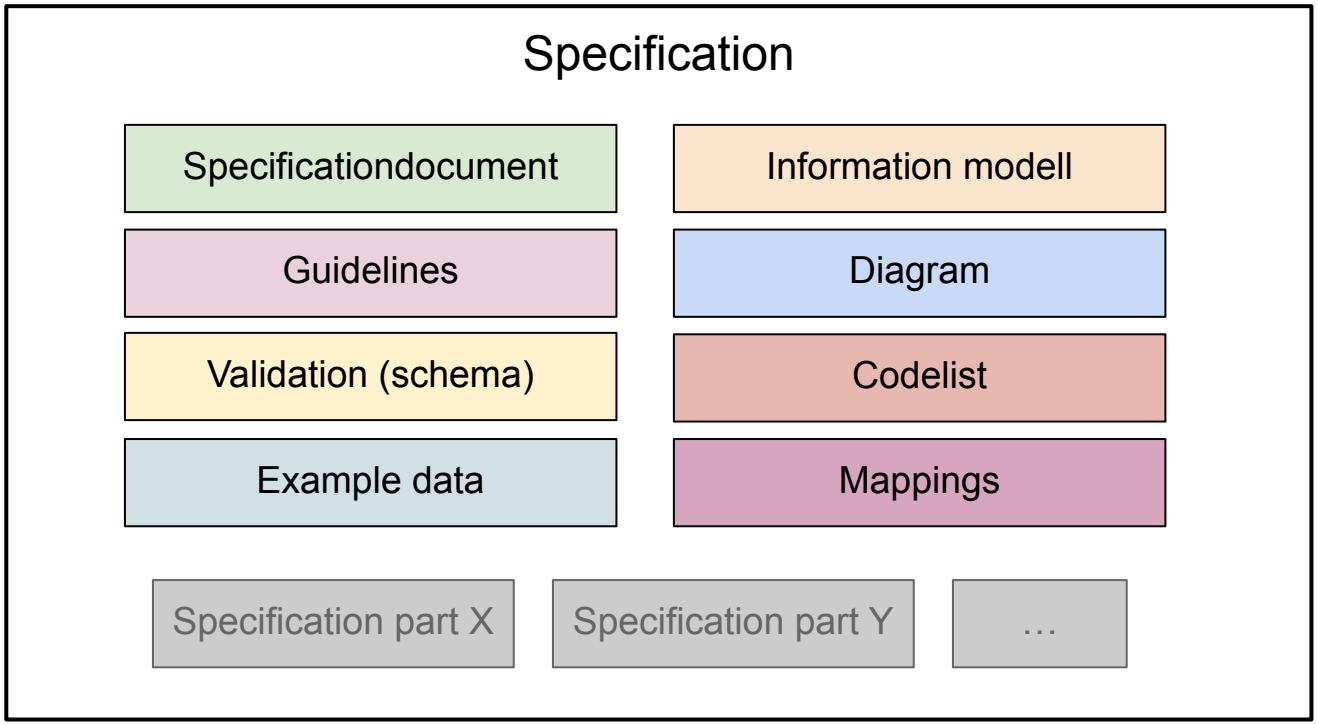
- Issues and PRs on Github
- Reference group meetings (6 to date)
- First pilot implementation done, more polished during spring

Interoperability requires reusing parts of information models

Information models parts: classes, properties and concepts

Application Profiles coordinates classes, properties and concept

A specification is a package



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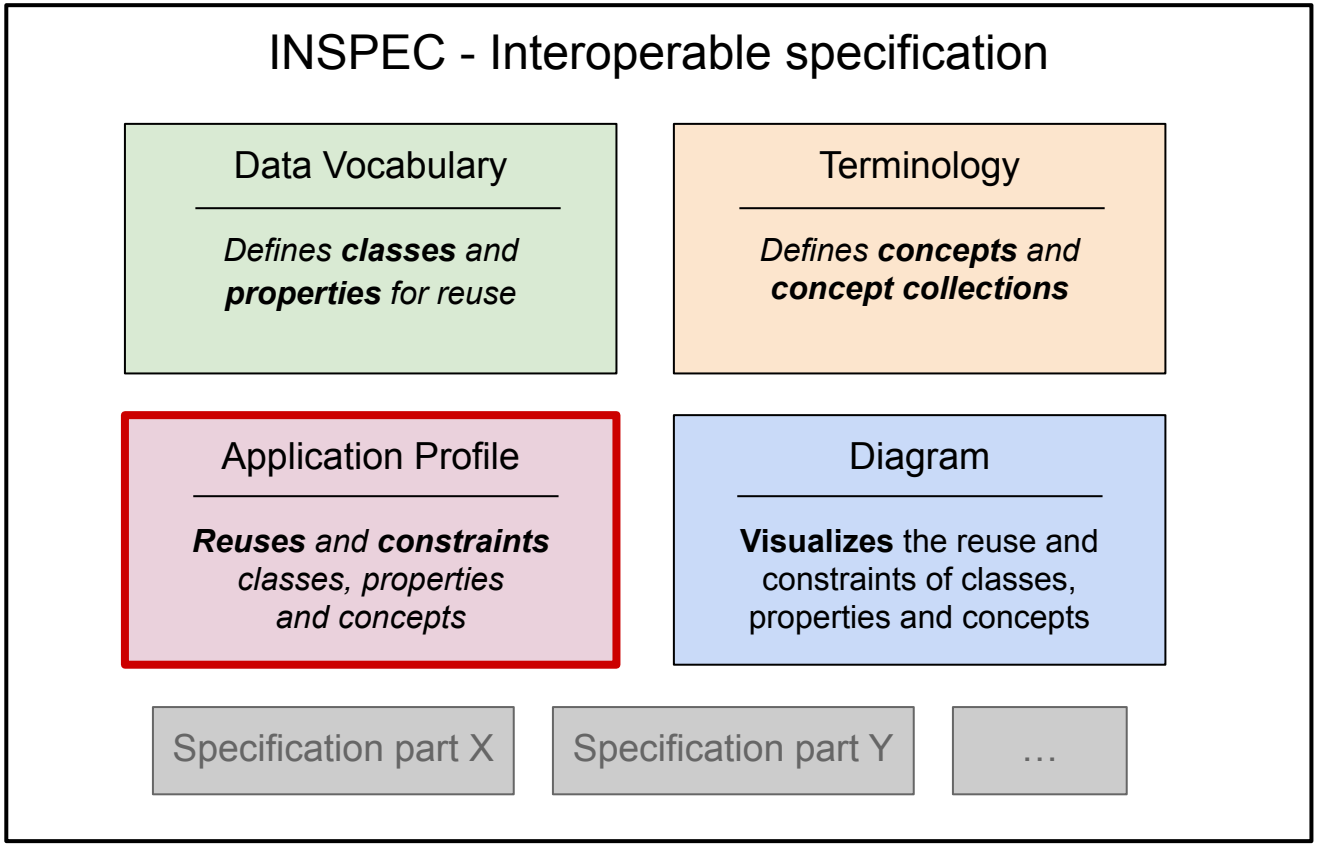
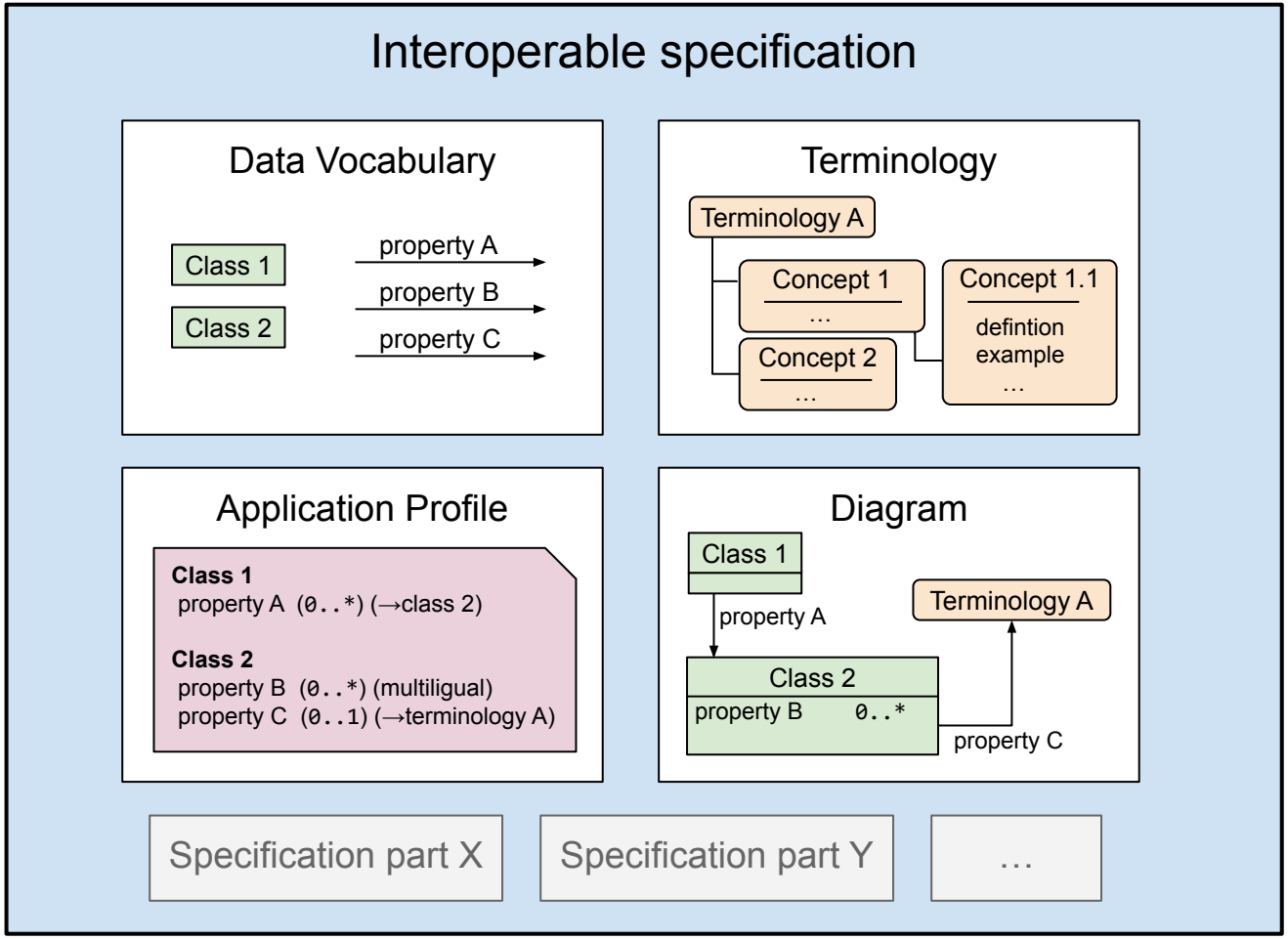
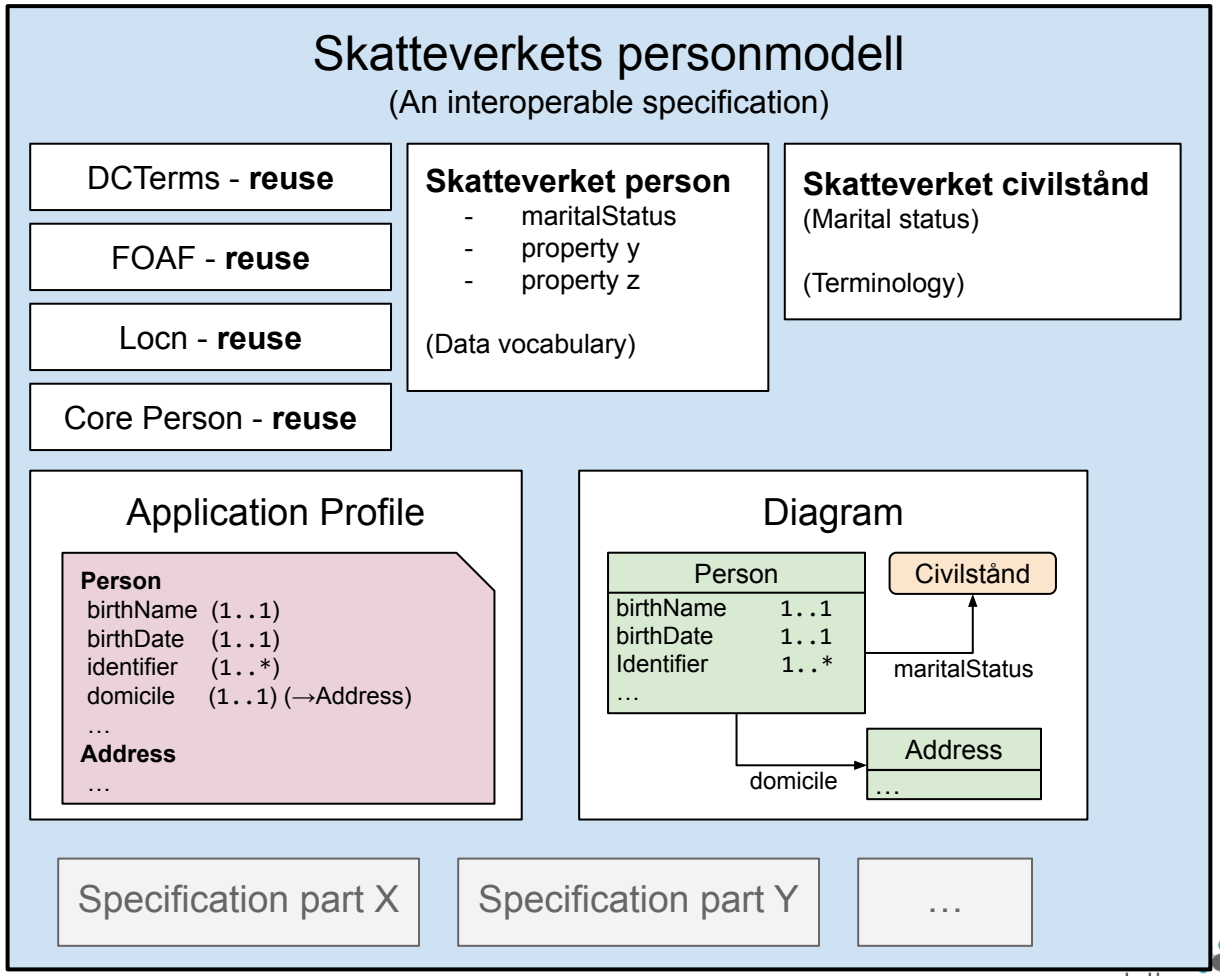

INSPEC - Interoperable specification
Data Vocabulary
Defines classes and properties for reuse
Terminology
Defines concepts and concept collections
Application Profile
Reuses and constraints classes, properties and concepts
Diagram
Visualizes the reuse and constraints of classes, properties and concepts
Specification part X
Specification part Y
…


Interoperable specification
Data Vocabulary
Class 1
Class 2
property A
property B
property C
Terminology
Terminology A
Concept 1
…
Concept 2
…
Concept 1.1
defintion
example
…
Application Profile
Class 1
property A (0..*) (→class 2)
Class 2
property B (0..*) (multiligual)
property C (0..1) (→terminology A)
Diagram
Class 1
property A
Terminology A
Class 2
property B 0..*
property C
Specification part X
Specification part Y
…

Skatteverkets personmodell

Example, neither correct or complete!!!!!



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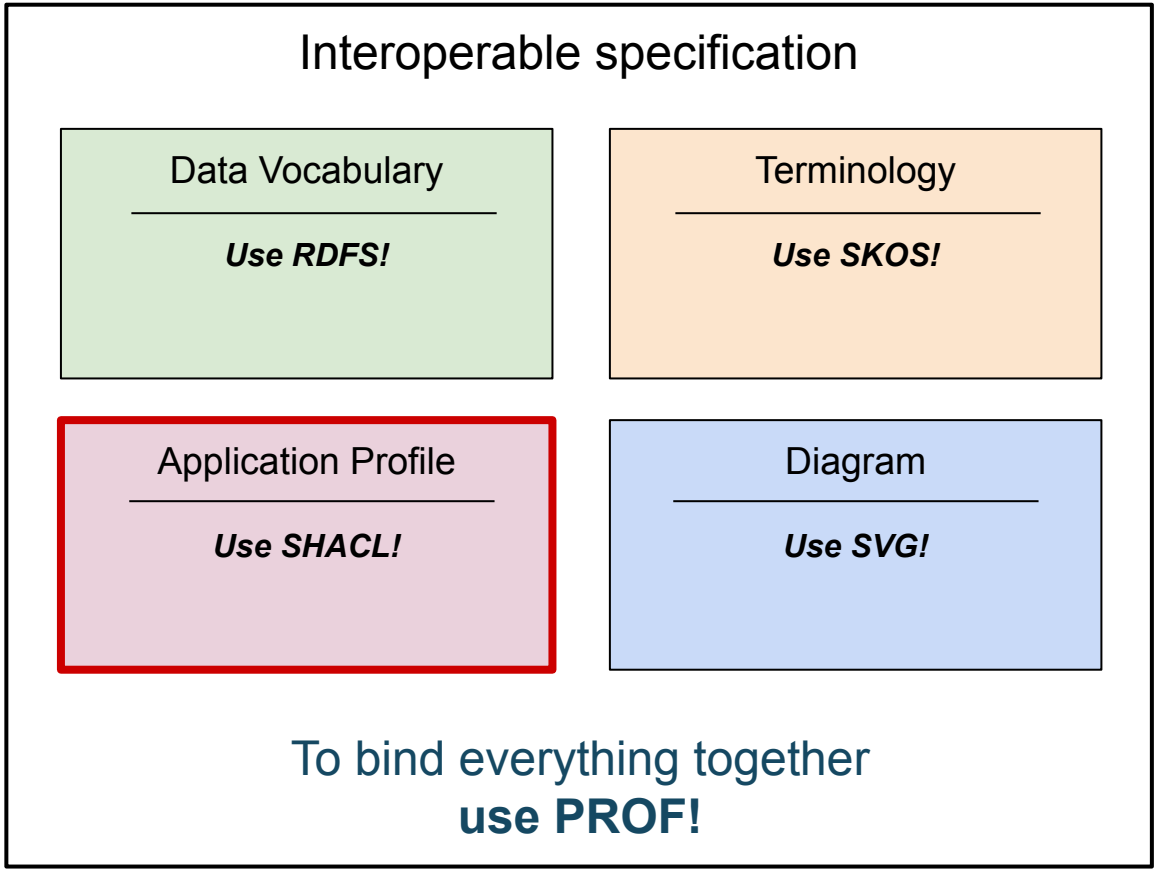
Don't reinvent the wheel

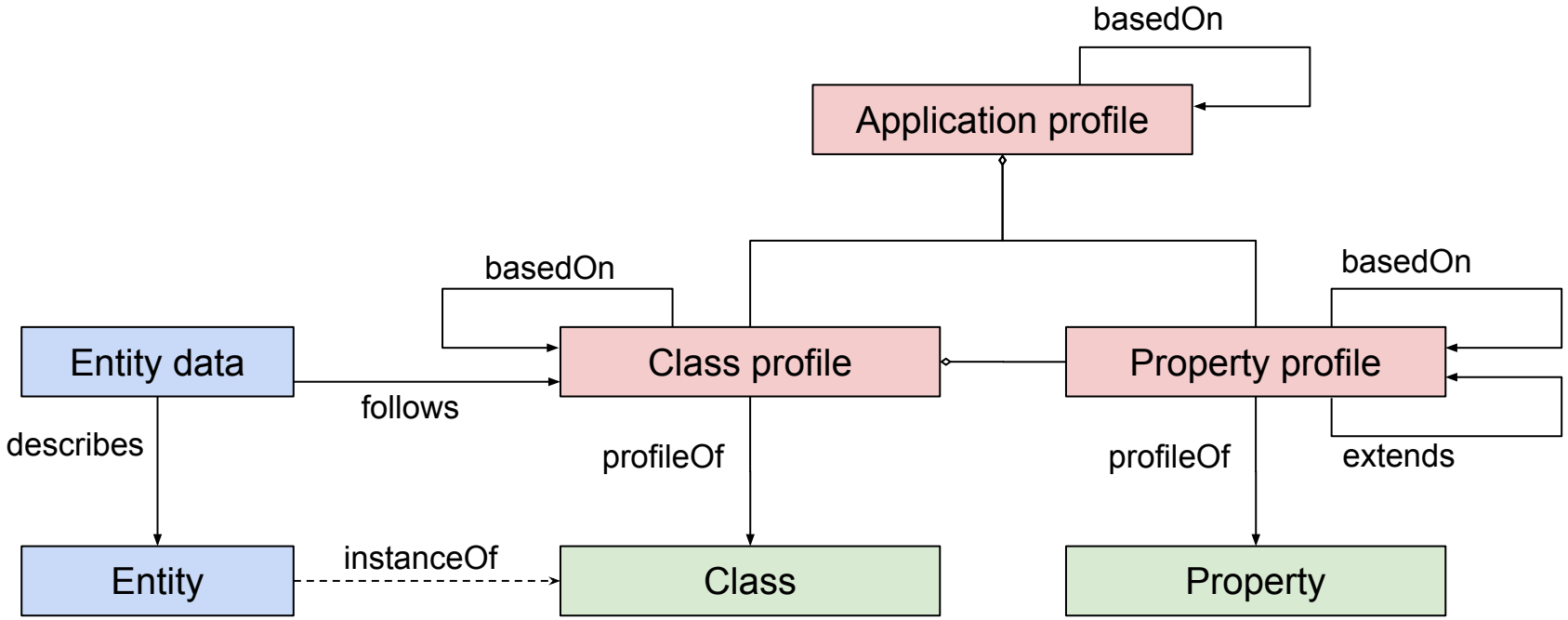


INSPEC - five sets of rules

PROF-INSPEC - Rules for the package
RDFS-INSPEC - Rules for data vocabularies
SKOS-INSPEC - Rules for terminologies
SHACL-INSPEC - Rules for application profiles
SVG-INSPEC - Rules for diagrams

+ Guidance on harvesting
+ Bootstraping specifications

SHACL-INSPEC



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Compatibility with other expressions?

- UML (via OSLO framework)
- CSV on the web (tabular annotations)
- DSV (Data Specification Vocabulary)
- DCTAP (DCMI Tabular application profiles)
- FHIR (Fast Healthcare Interoperability Resources)
- and more...

Can we perhaps define transforms from some of these given that they fullfill some requirements?

Thanks!

Looking forward to feedback and hopefully collaboration around INSPEC!