



Koordinierungsstelle
für IT-Standards



XÖV Framework

Metadata Governance in the German public sector

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Federal Republic of Germany



- ... comprises sixteen states
- each state has its own state constitution
- each state is largely autonomous with regard to its internal organisation
- ... comprises 11.000 municipalities

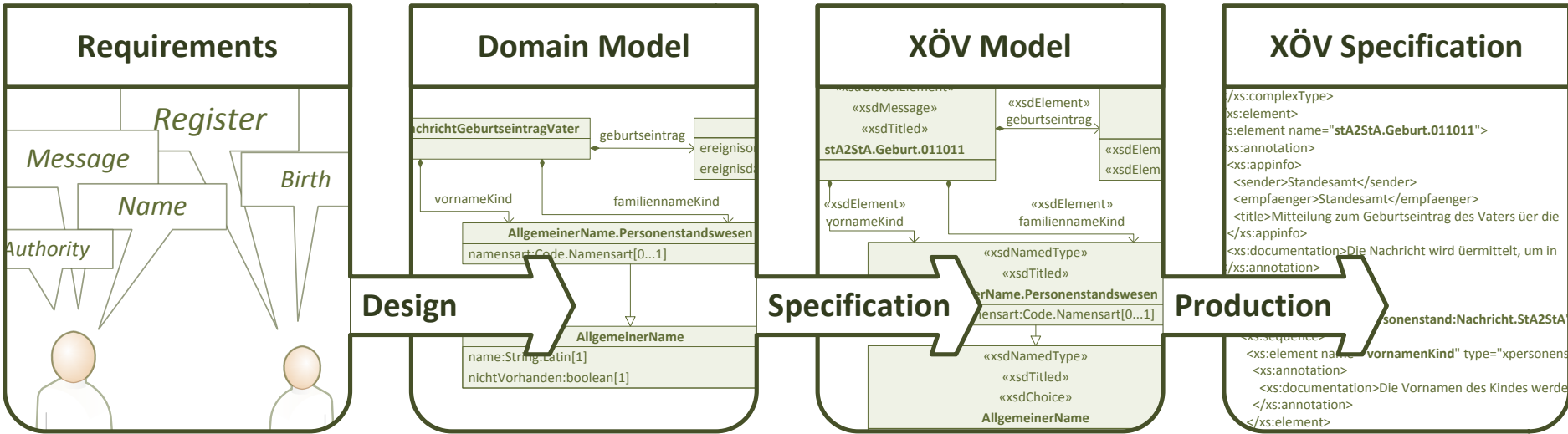


XÖV History: Municipal Citizen Registration

- 2000 - paper based data interchange between German municipal citizen registers
- 2001 – Utilization of a systematic approach to develop specifications for electronic data interchange
- 2003 – XMeld Specification (~900 pages, 420 complex types)
- 2007 – XMeld has been made legally binding
- 2008 – based on XMeld approach XÖV has been developed and applied to other projects
- nowadays ...
 - 300.000 XMeld-Messages are sent per day (municipal citizen registers)
 - appr. 25 so called XÖV-Specifications are published and in operation

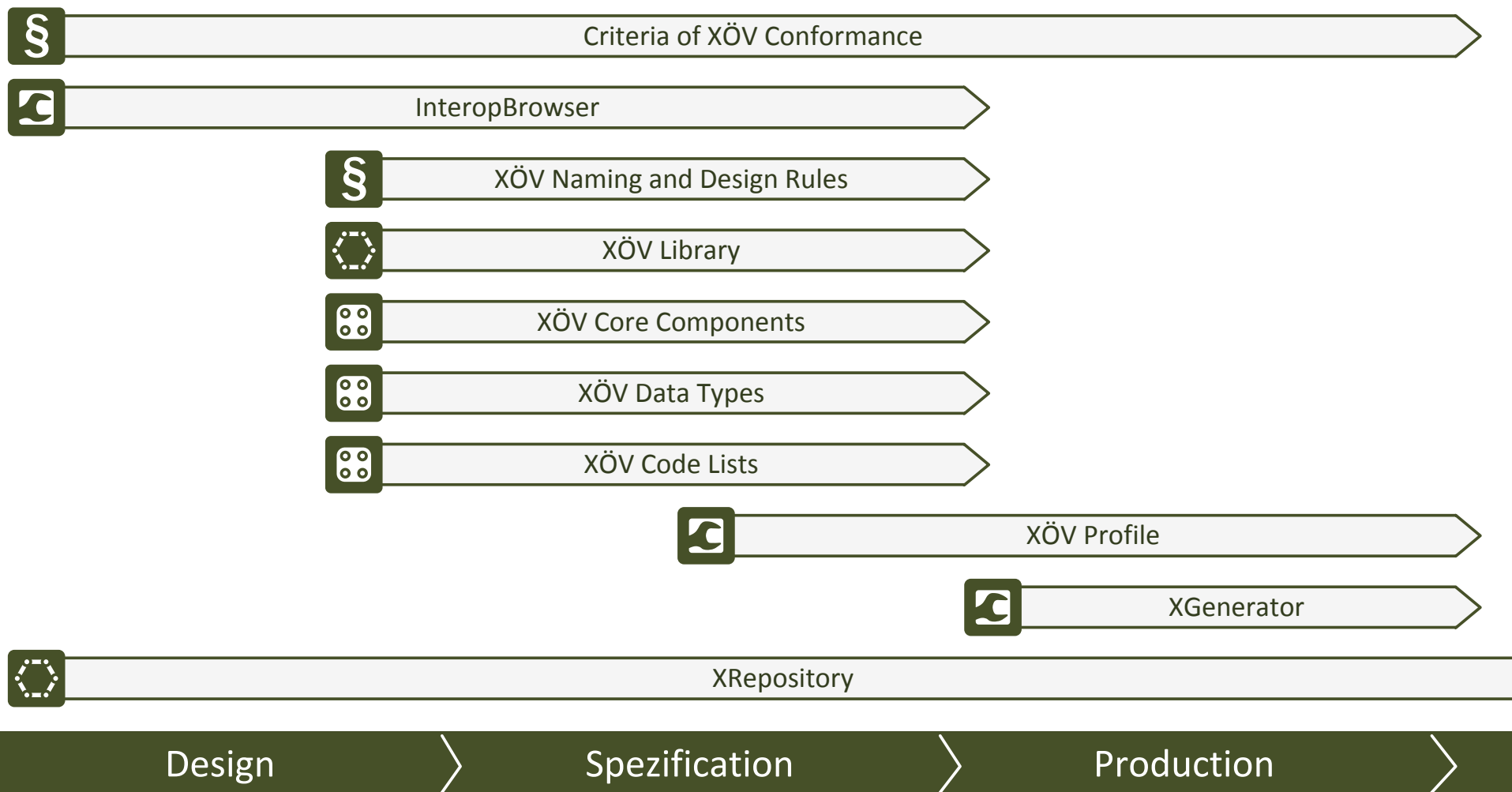


Steps in Creating XÖV Specifications





XÖV Components in the Development Process





XÖV - Foster the Reuse

- Reuse of experiences, methodologies, semantic assets, tools and infrastructure
 - improve quality while simultaneously reducing costs
 - increase interoperability
 - improve openness / access to specification



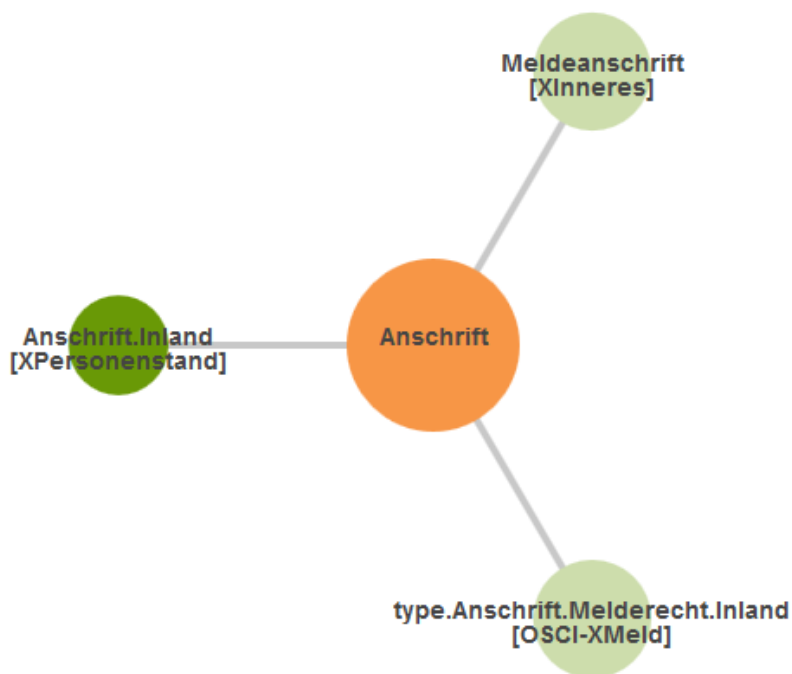


Current Status / Lessons Learned

- XÖV components and development approach are
 - practice approved and mature
 - provide real benefits to the projects
- Harmonisation of semantic concept
 - by providing usability and benefit
 - Interoperability needs to be addressed at the technical, semantical, organisational and legal level
 - provide information on differences and underlying motivations



Outlook: Core Components and InteropBrowser



ACC Anschrift

Semantische Beschreibung: +

BCCs

- 3 hausnummer : String.Latin [0..1] +
- 0 id : ID [0..1] +
- 3 ort : String.Latin [0..1] +
- 3 ortFruerererGemeindenname : String.Latin [0..1] +
- 0 ortsteil : String.Latin [0..1] +
- 0 postfach : String.Latin [0..1] +
- 3 postleitzahl : String.Latin [0..1] +
- 3 strasse : String.Latin [0..1] +
- 0 strassenschluessel : Code [0..1] +
- 0 typ : Code [0..*] +
- 2 wohnungsgeber : String.Latin [0..1] +
- 2 zusatz : String.Latin [0..1] +

ASCCs

- 0 geokodierung : [Geokodierung](#) [0..*] +
- 0 staat : [Staat](#) [0..1] +
- 0 verwaltungspolitischeKodierung : [VerwaltungspolitischeKodierung](#) [0..1] +





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