

NICTIZ

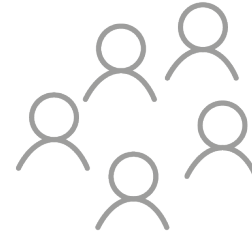
Better healthcare
through better IT



Standards



Co-creation



Expertise



Monitoring



Vincent van Pelt, senior advisor

Better healthcare
through better IT

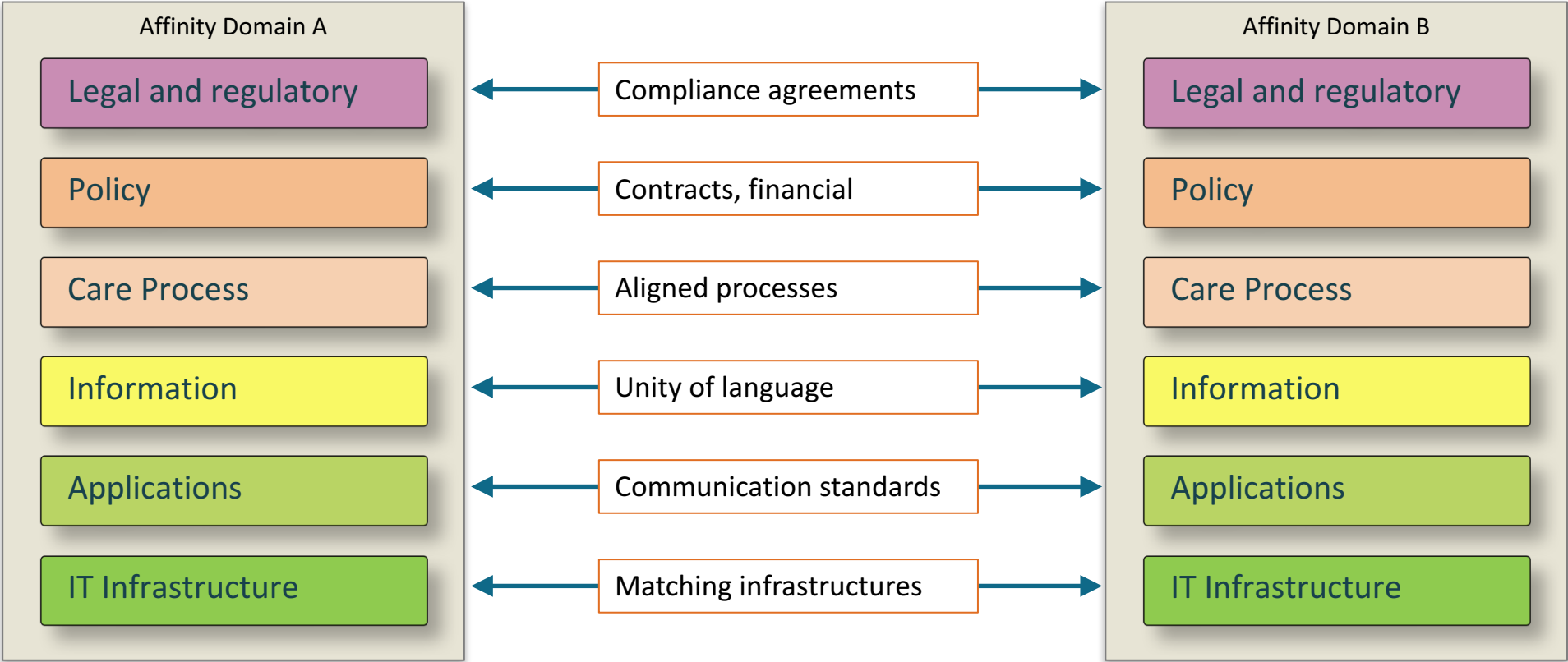


UPZuid



Guide to Interoperability between XDS Affinity Domains 2015

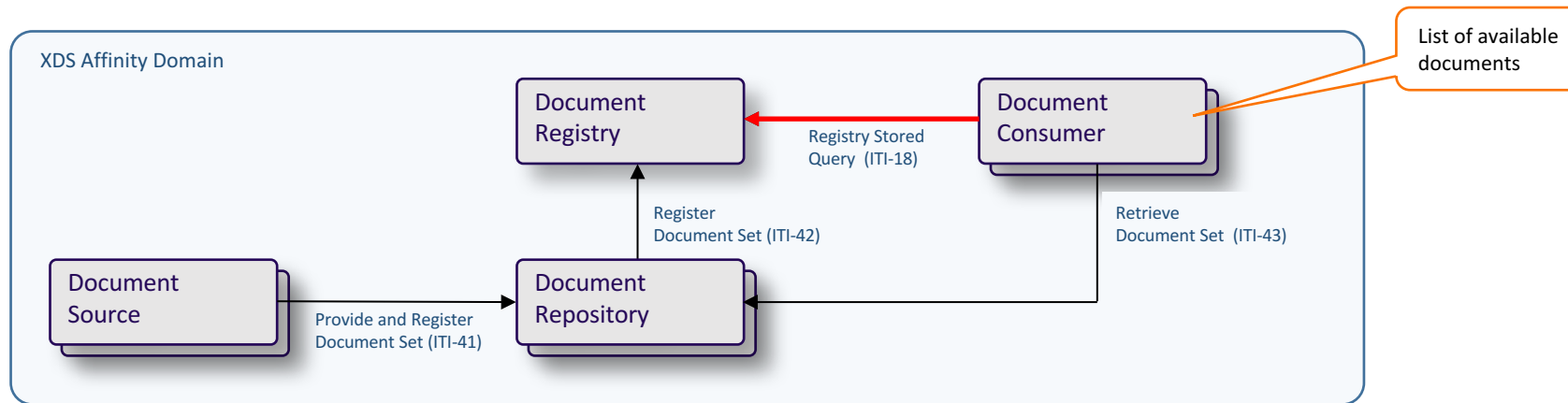
INTEROPERABILITY



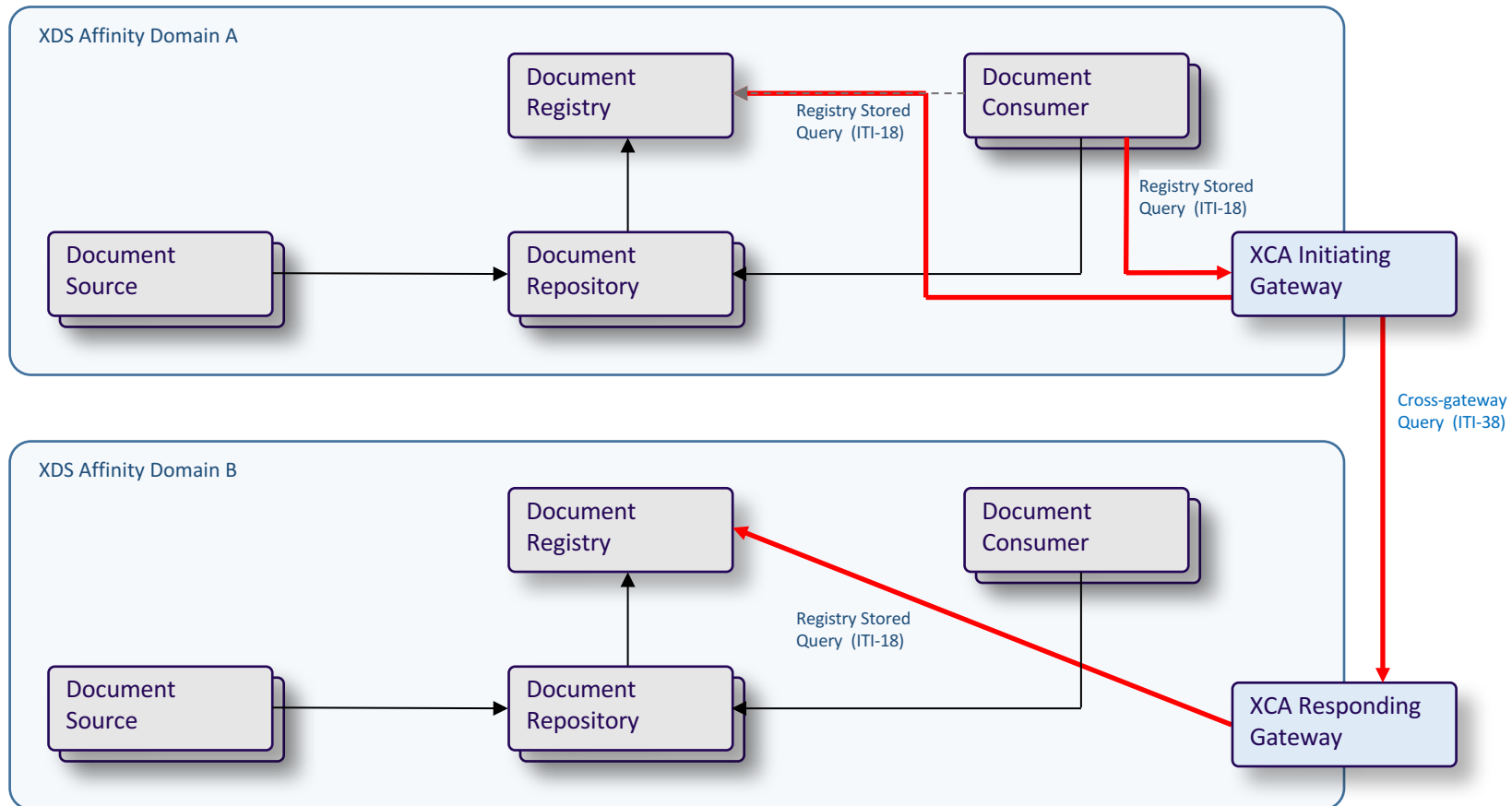
XDS Metadata

XDS metadata element	Remarks
<u>Author</u>	Characterizes the humans and/or machines that authored the document. This attribute contains the sub-attributes: <u>authorInstitution</u> , <u>authorPerson</u> , <u>authorRole</u> , <u>authorSpecialty</u> and <u>authorTelecommunication</u> .
<u>availabilityStatus</u>	Characterizes the lifecycle status of the <u>DocumentEntry</u>
classCode	A high-level classification of documents that indicates the kind of document, e.g., report, summary, note, consent.
Comments	Comments associated with the document
<u>confidentialityCode</u>	The code specifying the level of confidentiality of the document
<u>creationTime</u>	Characterizes the time the author created the document
<u>entryUUID</u>	A globally unique identifier used to manage the entry
<u>eventCodeList</u>	This list of codes represents the main clinical acts, such as a colonoscopy or an appendectomy, being documented
<u>formatCode</u>	Code globally uniquely specifying the format of the document
Hash	Hash of the document itself
<u>healthcareFacilityTypeCode</u>	This code represents the type of organizational setting of the clinical encounter during which the documented act occurred
<u>homeCommunityId</u>	A globally unique identifier for a community
<u>languageCode</u>	Specifies the human language of character data in the document
<u>legalAuthenticator</u>	Characterizes a participant who has legally authenticated or attested the document within the <u>authorInstitution</u>
<u>limitedMetadata</u>	Indicates whether the Document Entry was created using the less rigorous requirements of metadata as defined for the Metadata-Limited Document Source
<u>contentType</u>	MIME type of the document (https://www.iana.org/assignments/media-types)
<u>objectType</u>	The type of <u>DocumentEntry</u>
<u>patientId</u>	The <u>patientId</u> represents the subject of care of the document

IHE XDS – Request available documents within Affinity Domain



IHE XCA – Request available documents across Affinity Domains



Metadata for exchange of medical documents and images

Guidelines for Interoperable XDS Affinity Domains

Status Draft

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Approach

- Analyze available documentation from countries
 - Austria
 - Denmark
 - Finland
 - Germany
 - The Netherlands
 - Switzerland
- Create generic metadata model
- Combine theory with practice
- Ground rules for categorization
- Proposal for basic reference implementation metadataset

Main issues

- Many types of documents **and** images
- Choices on terminologies
- Choices on level of granularity
- Not enough metadata attributes?
- Harmonization of national initiatives
- A lot of work

Recommendations

- Find common ground on categorization attributes such as
 - classCode
 - typeCode
 - eventCodeList
 - HealthcareFacilityTypeCode

 - Define reference implementation set(s)
 - Global
 - Europe
 - National

 - Change Proposals for XDS 2.0?
 - Reference to metadata set
 - SubTypeCode?
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