

MAY 14/16, 2024 IN MAASTRICHT, NETHERLANDS

ICT&health World Conference 2024

"THE FUTURE OF HEALTHCARE STARTS HERE"

Speakers



Yola Park
Team Lead at Nictiz



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Ministry of Health

Subject

'The Netherlands sets standards on terminology and technical specifications for the Health Care system'

ORGANIZATION

Nictiz

DATE

Thursday May 16th / 1:30 - 2:10 PM

LANGUAGE



Hosting City



Gemeente Maastricht

mainpartners



Ministerie van Volksgezondheid, Welzijn en Sport

provincie limburg



Maastricht UMC+



PHILIPS

Location

MECC Maastricht
Forum 100
6229 GV Maastricht

A Conference by

ICT&health

The official platform for healthcare innovations

Governance on standardized Terminology and Technical Specifications of Health Care Data

ICT & Health
Christine Beerepoot
Program Manager



Ministerie van Volksgezondheid,
Welzijn en Sport

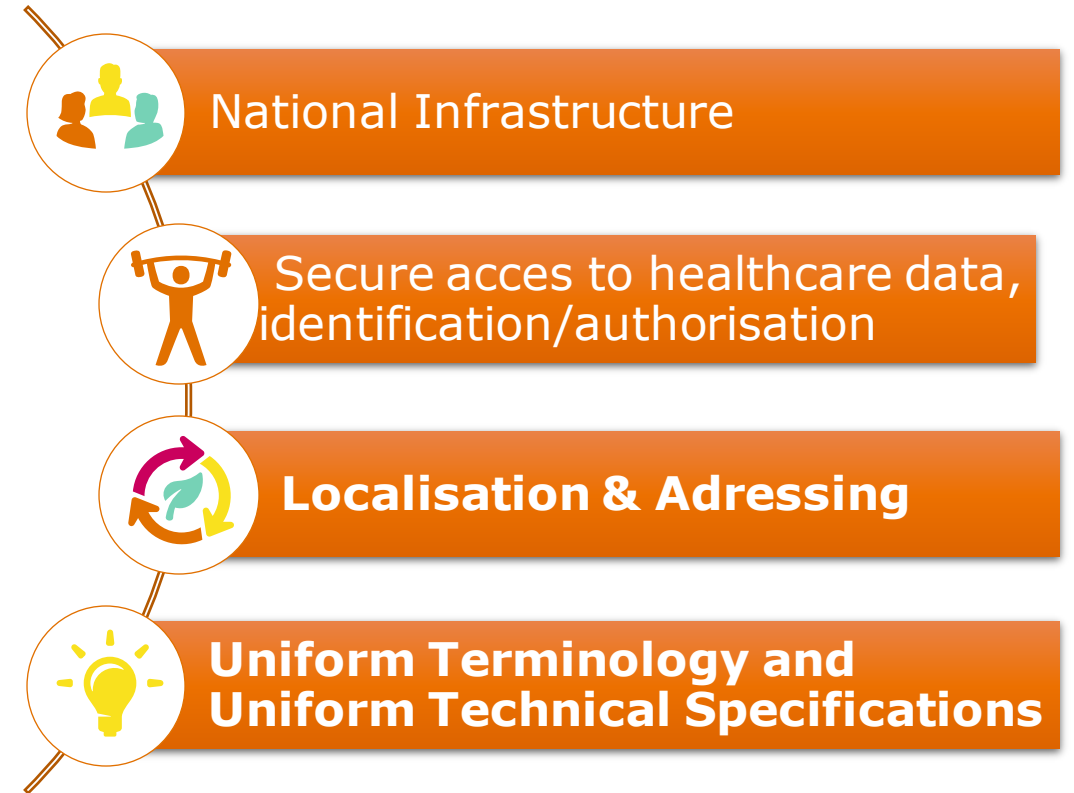


Minister of Health sets standards: Major Change in the Digital Health care Information System

- Private health Care System
- Private IT suppliers
- Administrative/Political Agreement
- EHDS - European Health Data Space Regulation sets rules



What are the conditions for the construction of a Healthcare Information Structure?



MISSION



The Ministry of Health provides guidance in the standardization of terminology and technical specifications for the exchange of health care data, in order to stimulate cohesion and comprehensive interoperability



Ministerie van Volksgezondheid,
Welzijn en Sport

Financing body

Decision making
body Minister of
health

End User/ 'Innovationlab'

**Autorisator
Informatieberaad**

Consultation

Expert

Advise

The Dutch Centre of
Expertise on
Standardization (Nictiz)

Advise,
manage

Technical
Beheerder

Process

National
Library

Publi-
cation

Governance model on National level Based on Standard 7522 of the Royal Netherlands Standardization Institute

DECISION MAKING PROCESS



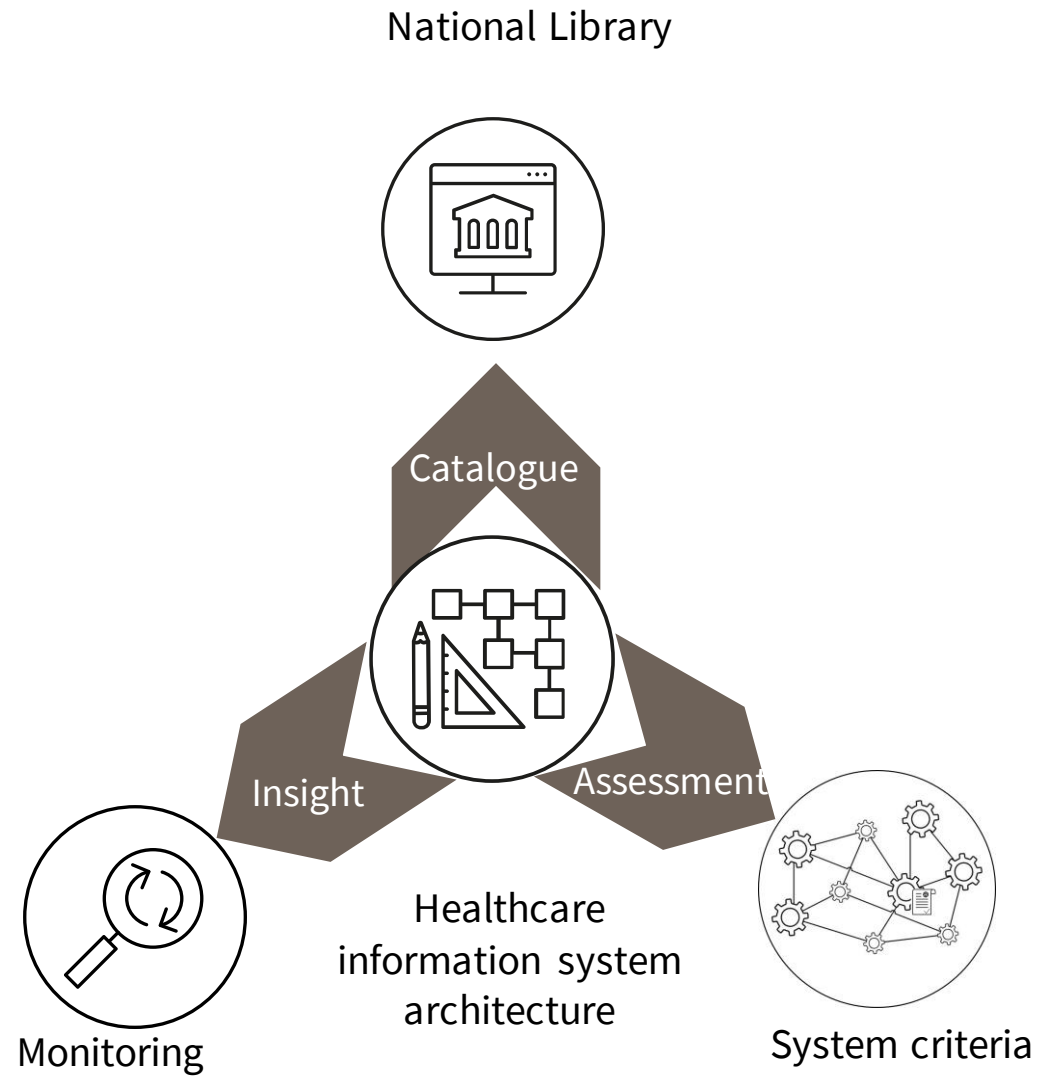
Policy development

- National Release Policy for Standards
- System Criteria for Standards
- Architectural standards on the system
- Formalising Governance model on use case standards
- System Monitor
- National Library for Healthcare ICT Standards
- Involvement of the Enduser

ICT&Health 16 mei 2024

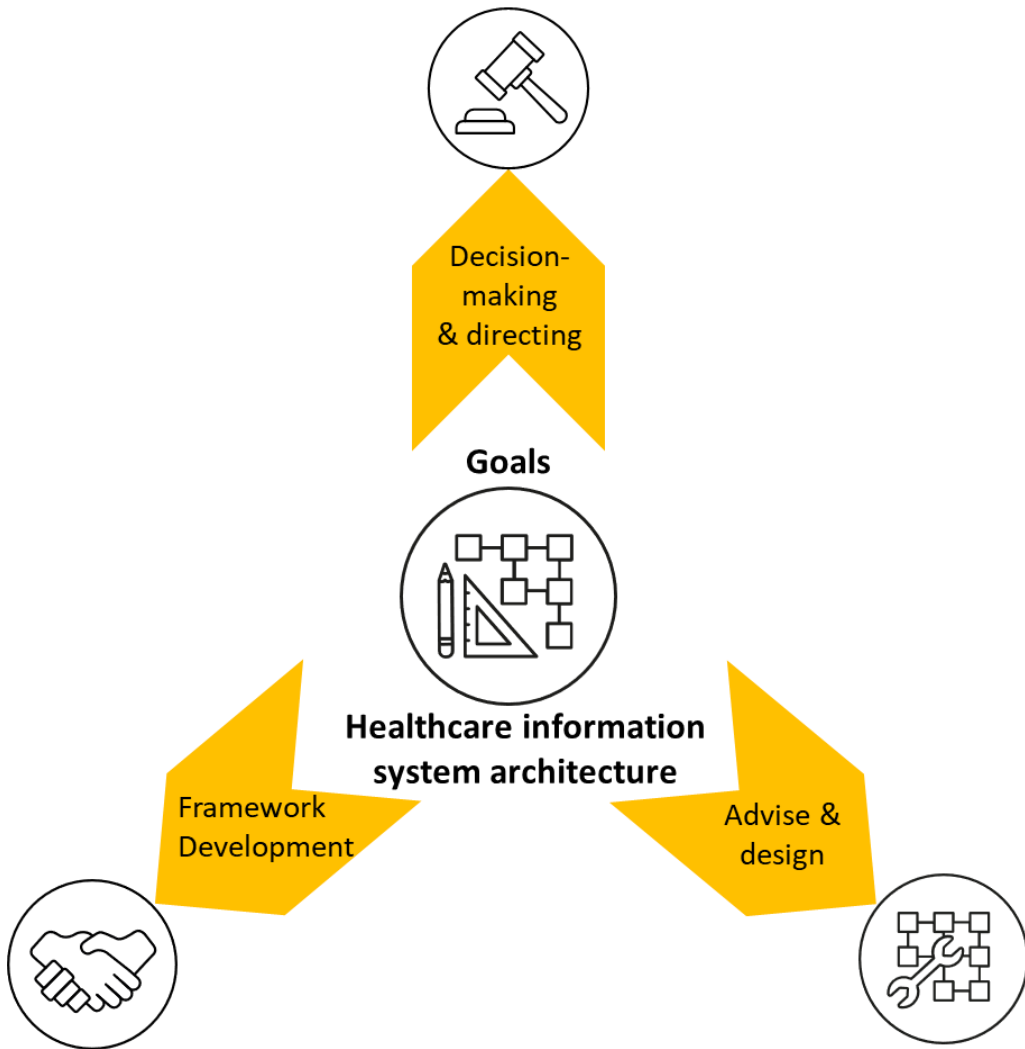


System Management Focal Points



Digital healthcare information architecture





Architectural standards on the system

- Support decisionmaking
- Insight & overview in the coherence of the digital healthcare information system
- Framework for development by users



National Library for Healthcare ICT Standards



Goal

One catalogue for ICT-vendors, healthcare providers, end-users, standardisation organizations and policy makers for information about the healthcare information standards and system-

Expectations National Library for Healthcare ICT Standards

57 responses



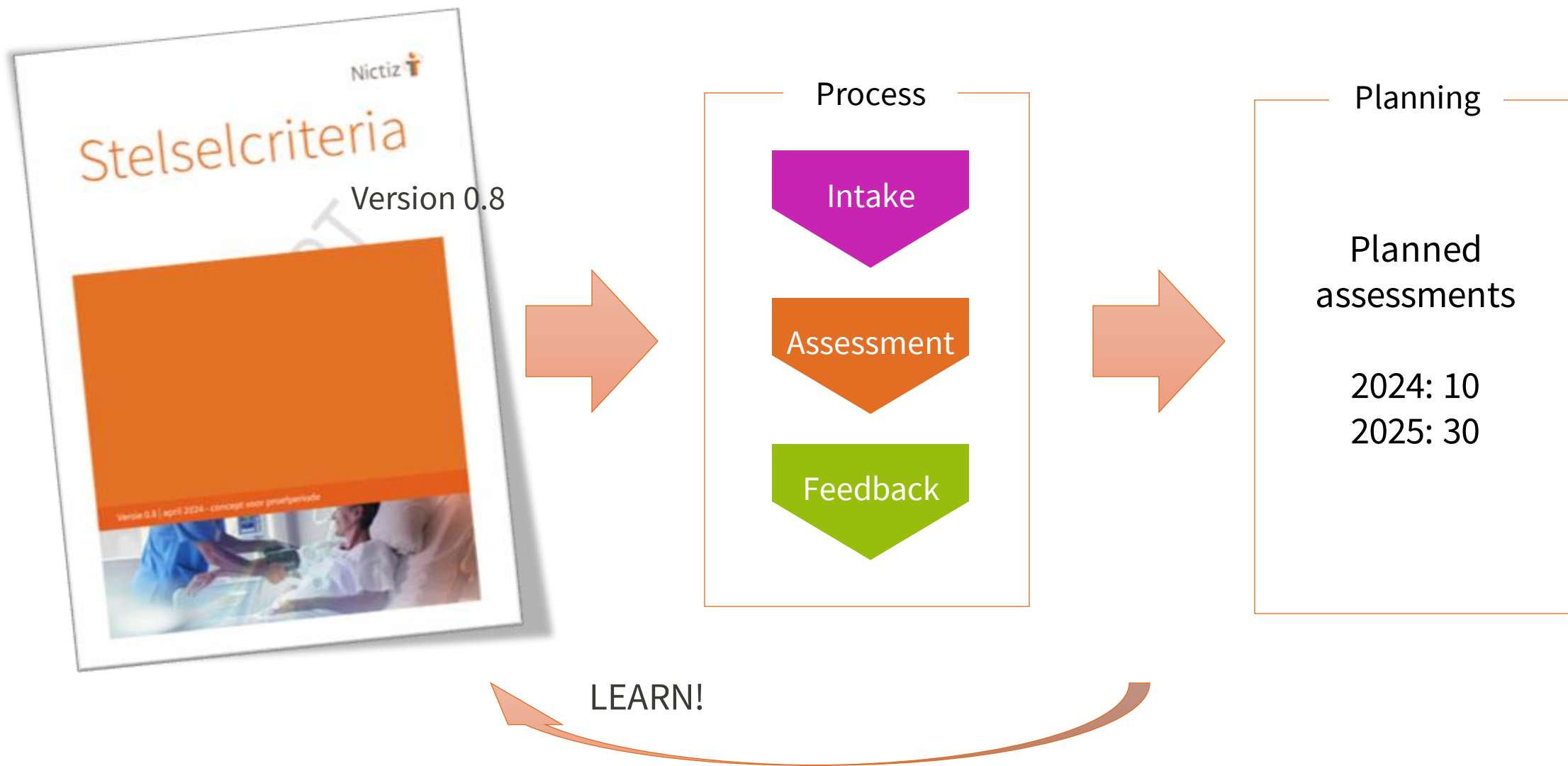
System Criteria for Standards



Quality criteria are a key part of the system criteria

	Use case-specific	Is about...		Generic	Is about...
1	Scope	Purpose? Content? Application?	1	Scope	Purpose? Content? Application?
2	Management	Conforms to NEN7522 and the underlying BOMOS model?	2	Management	In line with NEN7522 and BOMOS?
3	International Support	In line with international standards? Application of international underlying standards?	3	International Support	In line with international standards? Application of international underlying standards?
4	Compatibility	Overlap with other use case-specific standards	4	Compatibility	Overlap with other standards? Limited to one architectural aspect?
5	Release Policy	Fits within national release policy?	5	Openness	Low-threshold documentation? No copyright? Opportunities for input?
6	Conformity	Use of generic standards? (see next slide)	6	Maturity	Stable? Future-proof?

Assessments started April 2024



National Release Policy for Standards





Coherent release process

- Start: End 2024
- Quarterly meetings with standard managers
- Determine whether the proposed release impacts other standards in the system or transcends the standard framework.
- Advise on priority based on frameworks and guidelines provided at a strategic level.
- Additional assessment and advice on compliance with rules regarding versioning and roadmapping, including justification for any deviations.
- Assessment against relevant quality criteria of the system (scope, management, international support, stewardship, release policy, conformity, and compatibility) is a pre-requisite.



System Monitor

Track progress



Learn from experience

	Afspraken	Specificaties	Implementaties	Gebruik
Acute zorg	Beoordeeld	Onbekend	0/21	0/>2.257
Beeldbeschikbaarheid	Beoordeeld	In ontwikkeling	n.v.t./?	0/35.000
Geboortezorg	Beoordeeld	In ontwikkeling	?/?	?/?
Geestelijke GezondheidsZorg	Beoordeeld	In ontwikkeling	0/?	0/?
Huisartsenzorg	Beoordeeld	In ontwikkeling	0/14	0/>76.706
JeugdGezondheidsZorg	Beoordeeld	Onbekend	0/5	0/68.341
Laboratorium	Beoordeeld	In ontwikkeling	0/?	0/?
Langdurige zorg	In concept	Gepubliceerd	13/13	0/?
Medicatie	Beoordeeld	In ontwikkeling	0%	0/>4.365.671
Medisch Specialistische Zorg	In concept	In ontwikkeling	5/17	0/?
Paramedische zorg	Beoordeeld	Bèta versie	0/?	0/?
Patiënt/burger	Beoordeeld	Gepubliceerd	47/47	19.771/19.771
Publieke gezondheidszorg	Niet opgesteld	Gepubliceerd	1/11	0/?

Implementation Guidance



Implementation guidance: support, carrots and sticks for adoption and urgency

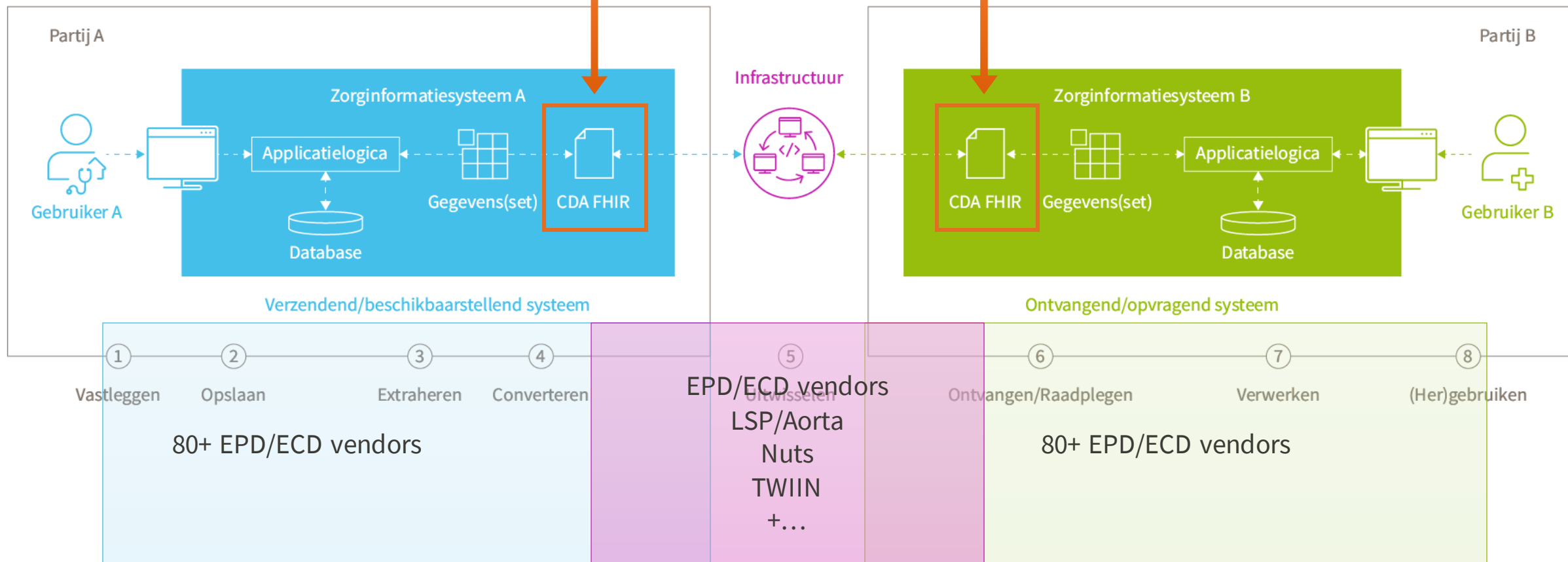


CURRENT	FUTURE
HL7 FHIR migration SNOMED transition ZIBS transition	LOINC



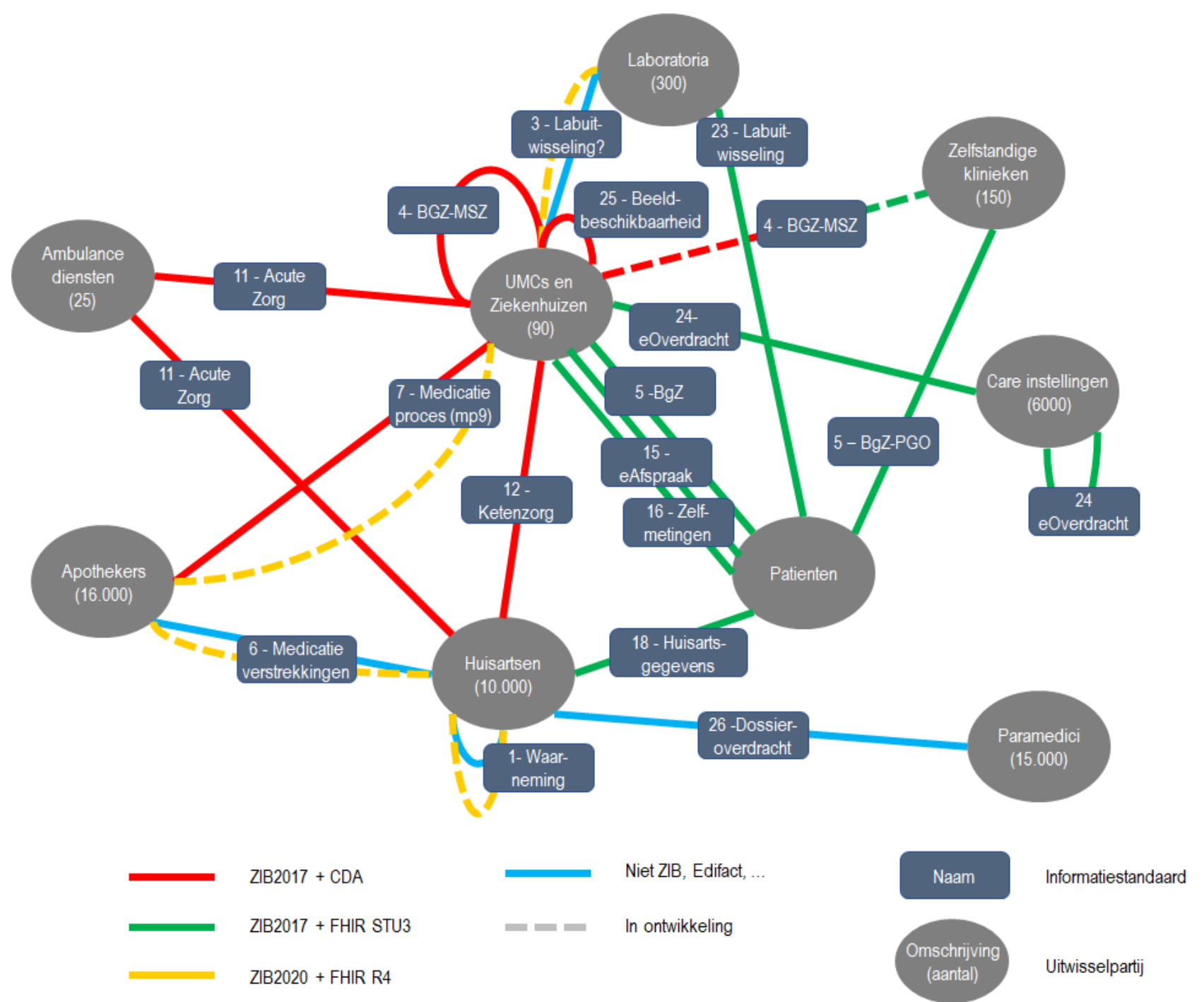
Baseline decision on the use of HL7 FHIR

Decision on the use of FHIR impacts 30+ information standards, 80+ software products and 5.000+ healthcare organisations



From current -> standardised situation

- Baseline decision: HL7 FHIR STU3/Zib2017 or HL7 FHIR R4/Zib2020
- Standard owners explicitly involved
- Included in IZA-agreement
- Migration plans provided by standard managers
- Next step: Roadmaps by **software vendors and their clients**



Terminology Implementation



SNOMED Implementation Strategy



(End) user





User by design

- (End) users play a crucial role in information exchange
- Development for, with and by users
- Strengthen the role of (end)users in the governance of the digital healthcare information system

We can only succeed together
Are you in?

Questions?

