Terminology Server in the Netherlands

Chantal Schiltmeijer

Technical Implementationadvisor Terminology - Nictiz

Nictiz

Better health through better information

Chantal Schiltmeijer

Present

- Technical Implementationadvisor Terminology at Nictiz

Past

- RN– Dialysis and Neonatal ICU
- Hospital – Amsterdam UMC

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Healthcare in the Netherlands

Population
Approx. €17 million

Gross Domestic Product (GDP)
Approx. € 700 billion

Healthcare expenditure
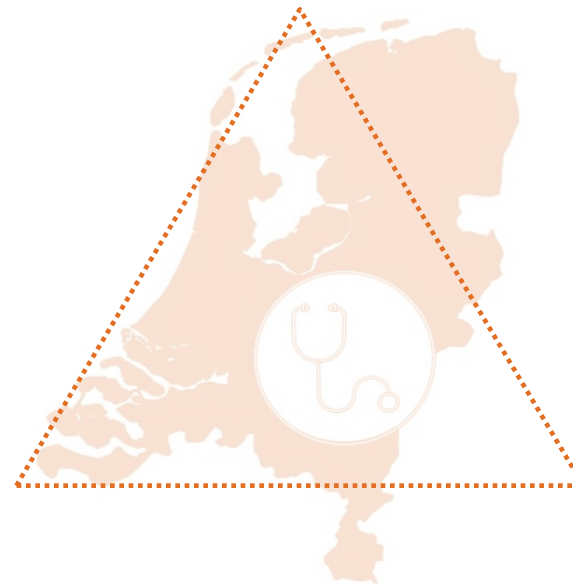Approx. € 70 billion

Healthcare employees
Roughly €1,1 million

Healthcare in the Netherlands

Private individual/
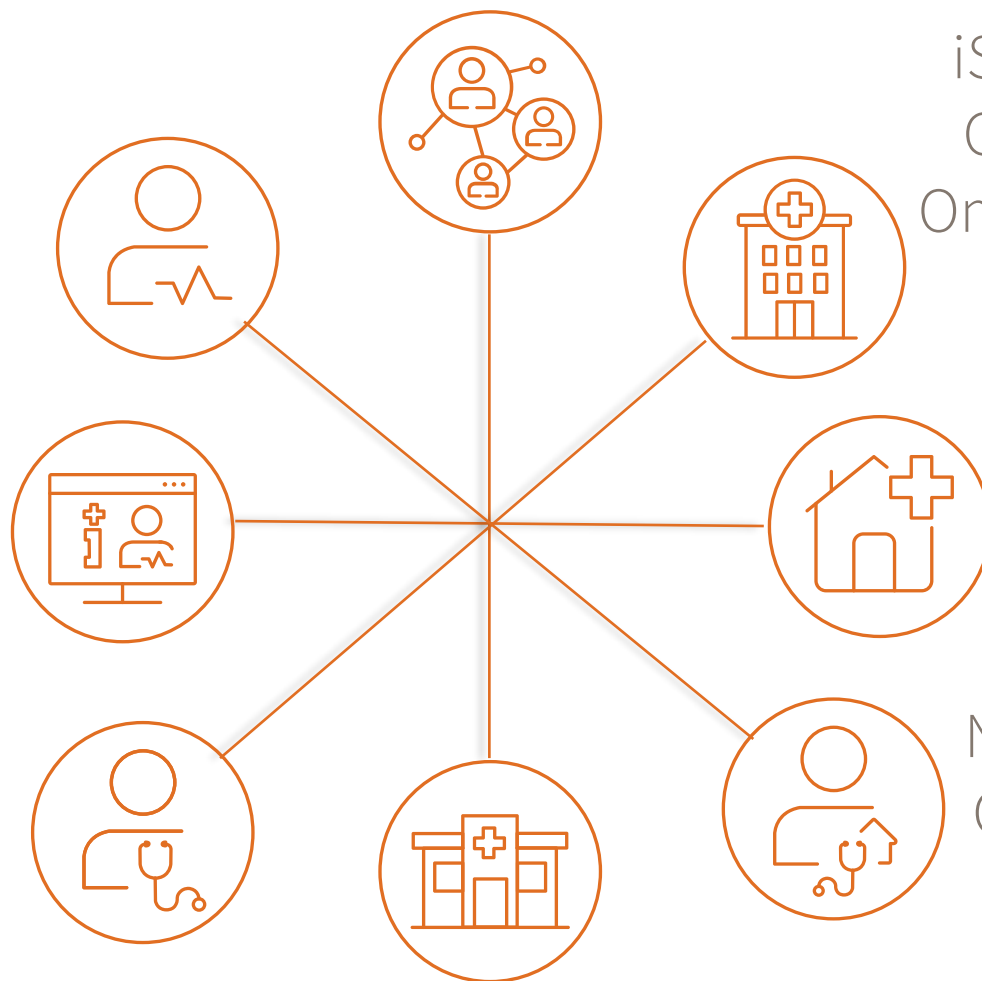Insured person

Healthcare
providers

Health Insurer

Complex environment

Nursing Home
iStandaarden
G-Standaard
Omaha Systems
RAI View

Hospital

G-Standaard
DHD DT
NANDA
LOINC
SNOMED CT

ICD-10
DBC
CBV

GP
NHG tabellen
G-Standaard

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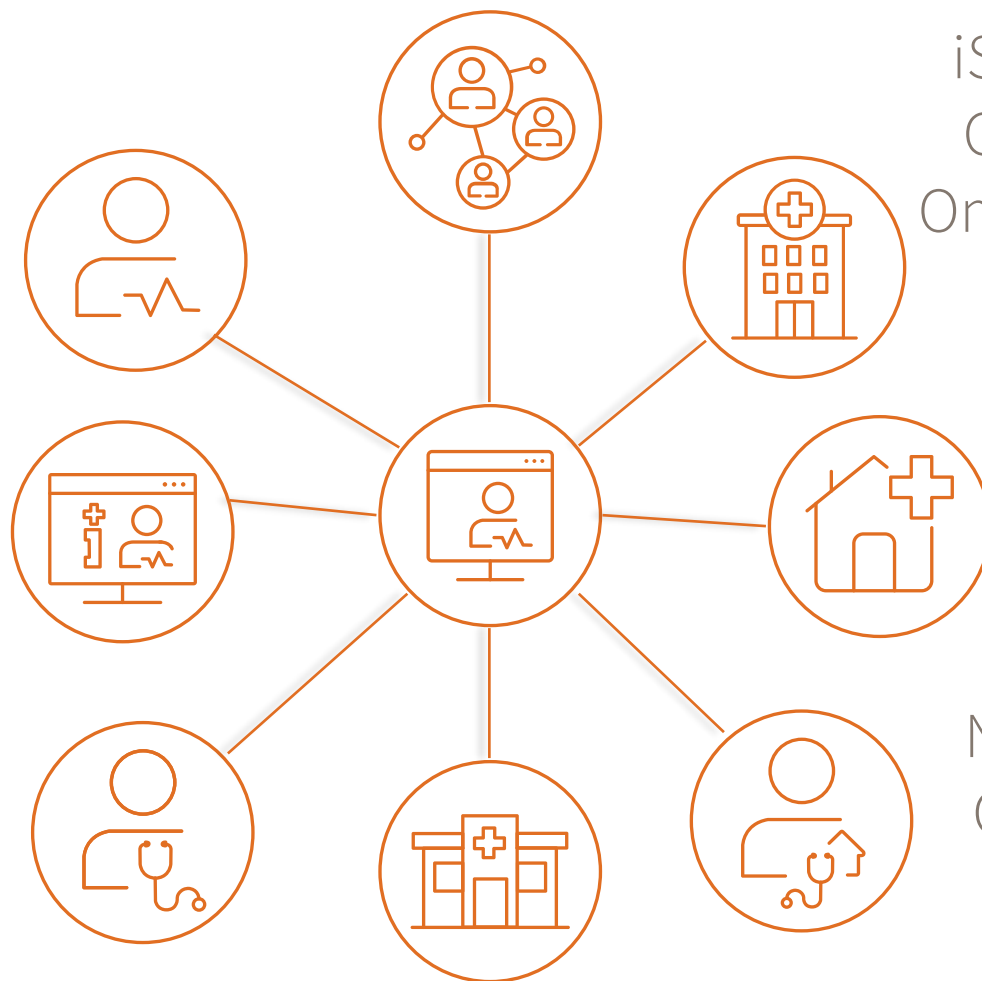
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Governance (International)

SNOMED International Pursebearer

Sets financial framework

SNOMED International Holder

appoints

appoints

SNOMED International Authorisator

Functional Manager SNOMED International

appoints

appoints

appoints

Expert

Technical Administrator SNOMED International
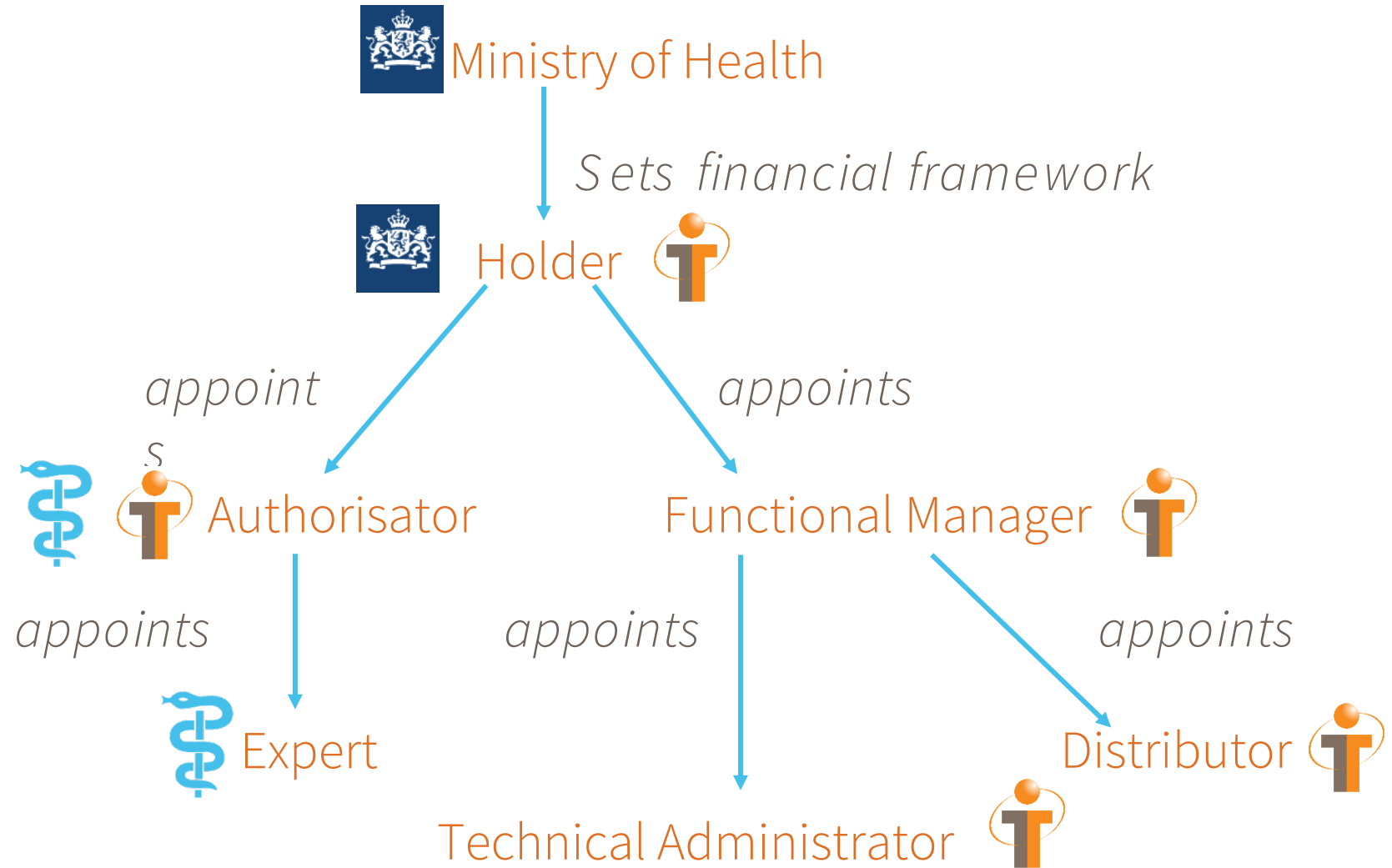
Distributor SNOMED International
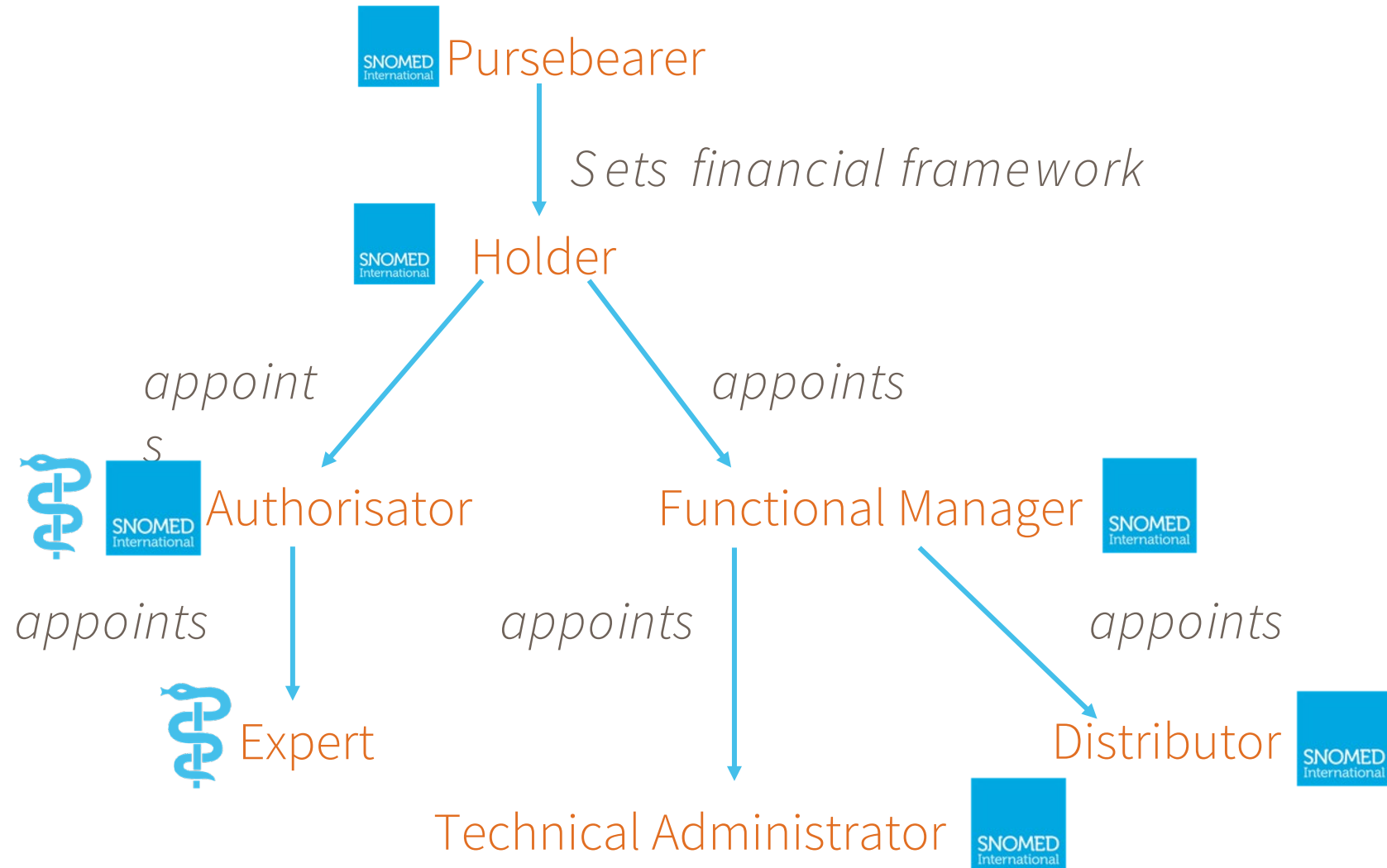
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Governance (National)

Governance

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- Holder of standards
- Maintain
- Qualification

Ministry of Health

- Financial (Pursebearer)

Field/vendors

- Implementation
- (Local) Maintenance

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Dutch Legislation

- EHDS, European Health Data Space
- WEGIZ, Electronic data exchange in healthcare
- Funding programs: VIPP

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The big issue with terminology

- Multiple standards

- Release format & planning

- Vendors

- And … Everybody needs it …

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Nictiz ᵀ

the Dutch knowledge organization for digital information exchange in healthcare

Home   Sectors   **Standardization**   Programs   Publications   agenda   English   About Nictiz

The National Terminology Server

Nictiz has started the implementation of the National Terminology Server. We use Ontoserver ⧉ from our Australian partner CSIRO ⧉ for this . This terminology server helps software vendors and data scientists keep up-to-date national terminology content such as SNOMED and the Dutch lab code set.

Nictiz's National Terminology Server is an FHIR ⧉ compliant solution that makes available international terminologies and classifications such as SNOMED and LOINC, as well as national terminologies according to FHIR specifications.

ONTOSERVER

No need to manually update anymore

The use of the terminology server eliminates the need for more and more applications to manually update the systems with downloaded content from the Member Licensing and Distribution Service (MLDS ⧉) or other sources. In doing so, the terminology server removes the barrier to implementing terminology. Updates can be made real-time or synchronized on demand. We like to think along with you to find the best solution for

Terminology Center

- COVID-19 terminology
- **The National Terminology Server**
- Dutch Lab Code Set
- Reference lists
- Browser terminology and code systems
- Training offer Terminology Center
- SNOMED National Release Center

Instruction manual

Guide for new users ⬇
Manual for new users (Dutch version) ⬇

Goals of the National Terminology Server

- Terminology

- Implementation

- Smart capabilities of terminology

  - Postcoordination

  - Mappings

  - Translation

- Free of charge

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Content on the National Terminology Server

SNOMED

NL Labcodeset

LOINC

HGNC

Human Phenotype Ontology (HPO)

ICD-10 (NL)

ICPC1-NL

NHG

ART DECOR

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Why?
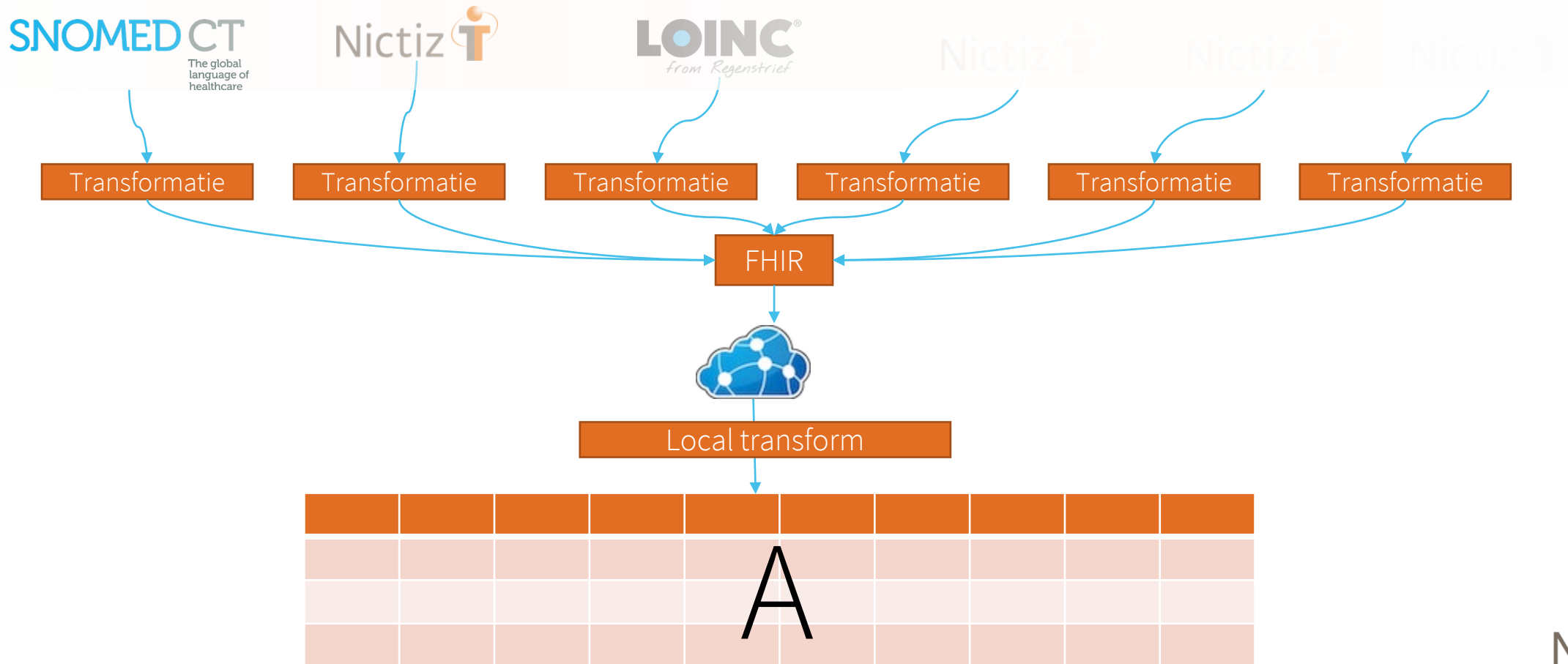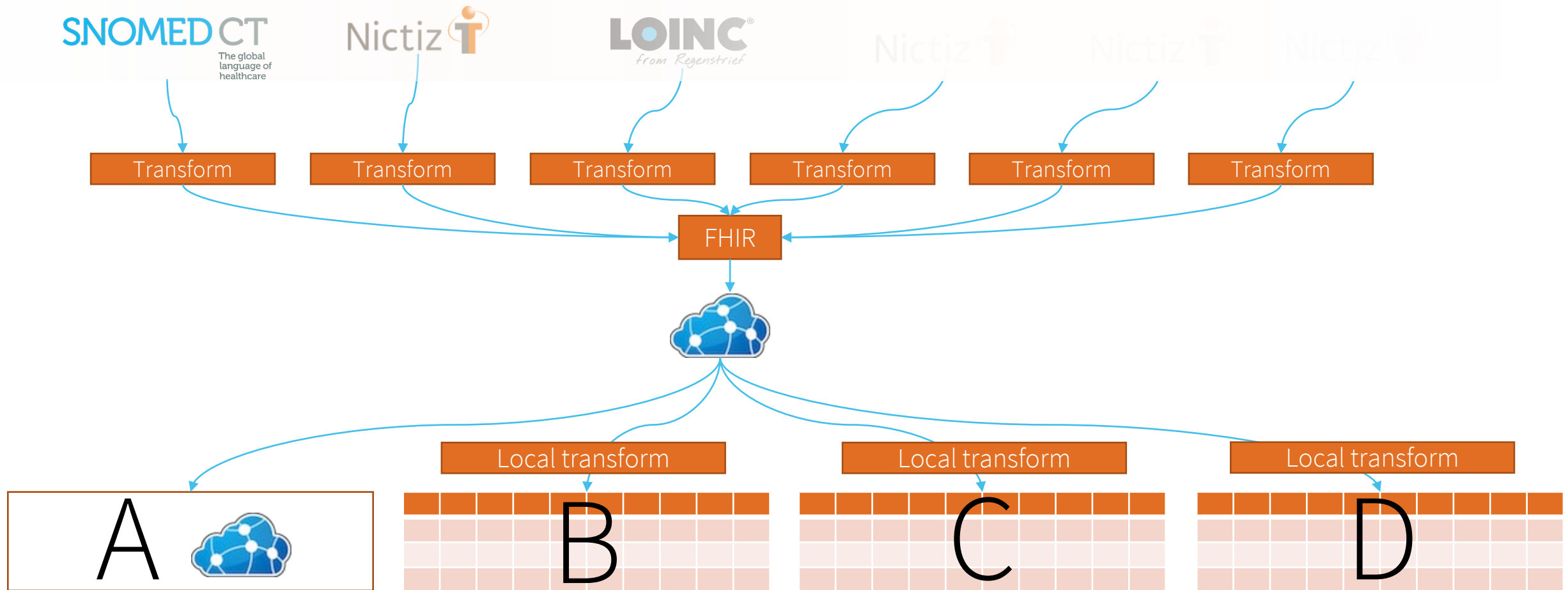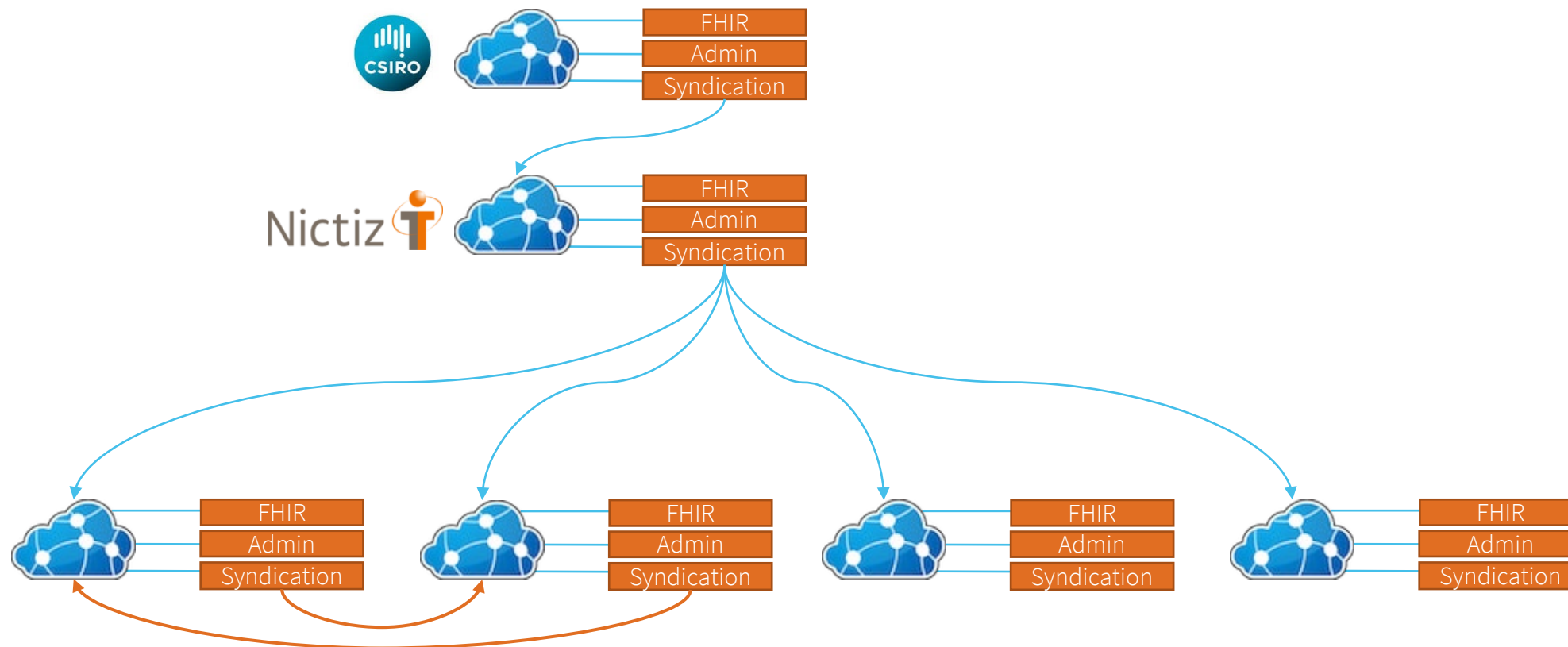## Current Landscape in the Netherlands
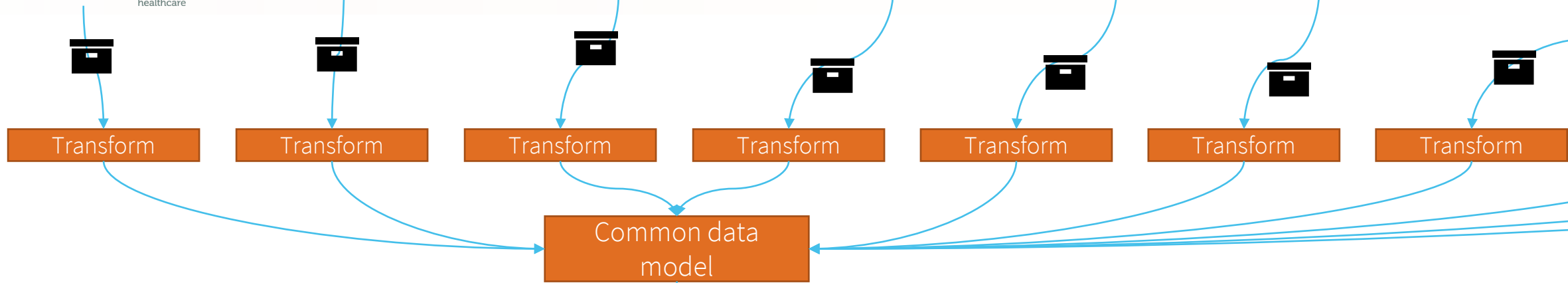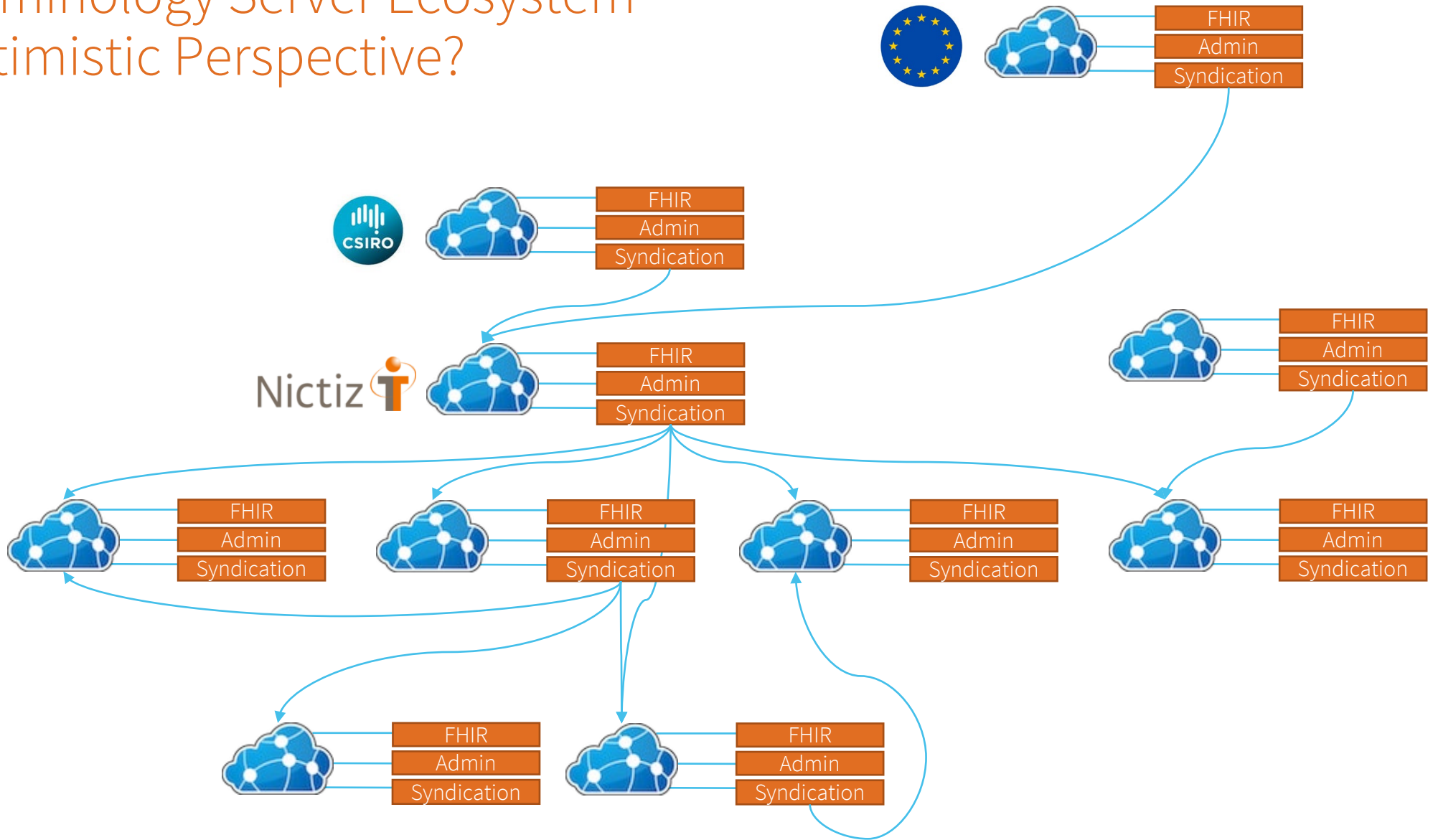
Advantage of a Central Terminology Service

Advantage of a Central Terminology Service

Terminology Server Ecosystem

Terminology Server Ecosystem
Optimistic Perspective?

Summary

- Governance and terminology
- FHIR enables
- NTS is free of charge

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Questions

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