

# European Specifications – Nationally Implemented

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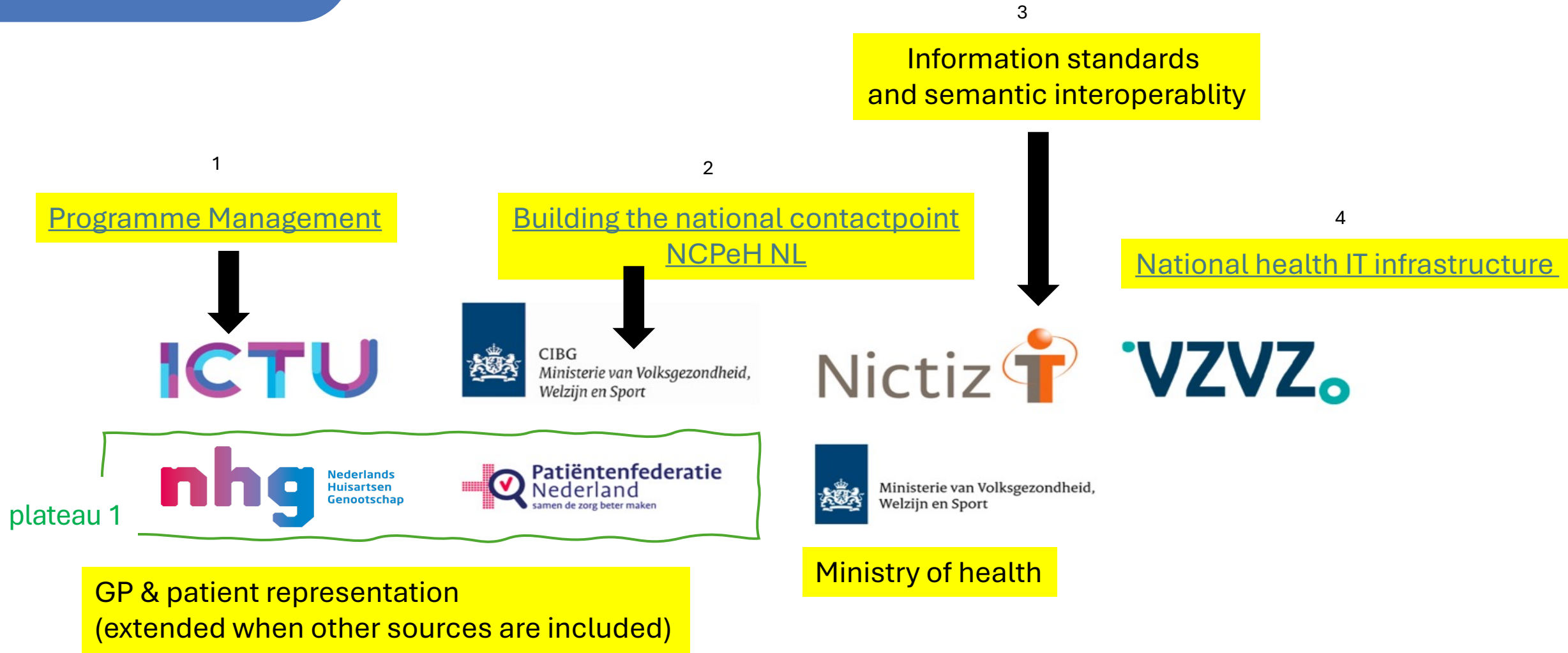
HL7 Europe Working Group Meeting and EU-a-thon  
13 february 2025

## The PIEZO Programme (Dutch: Programma Implementatie Europese Zorgdiensten)

- Aim: enabling exchange of patient summaries for Dutch citizens requiring healthcare in Europa (PS-A)
- NCPeH NL realized in 2033 (PS-B)
- Starting with existing national standards, components, programs, and healthcare data from General Practitioners
- Legal base: consent (opt-in)
- Timing: 2023 – 2026
- **Challenges:**
  - Highly distributed healthcare system
  - Public task mainly privately organized
  - Limited control by Ministry of Health
  - Distributed and incoherent software market
  - Multiple code systems and terminology
  - Many parties involved

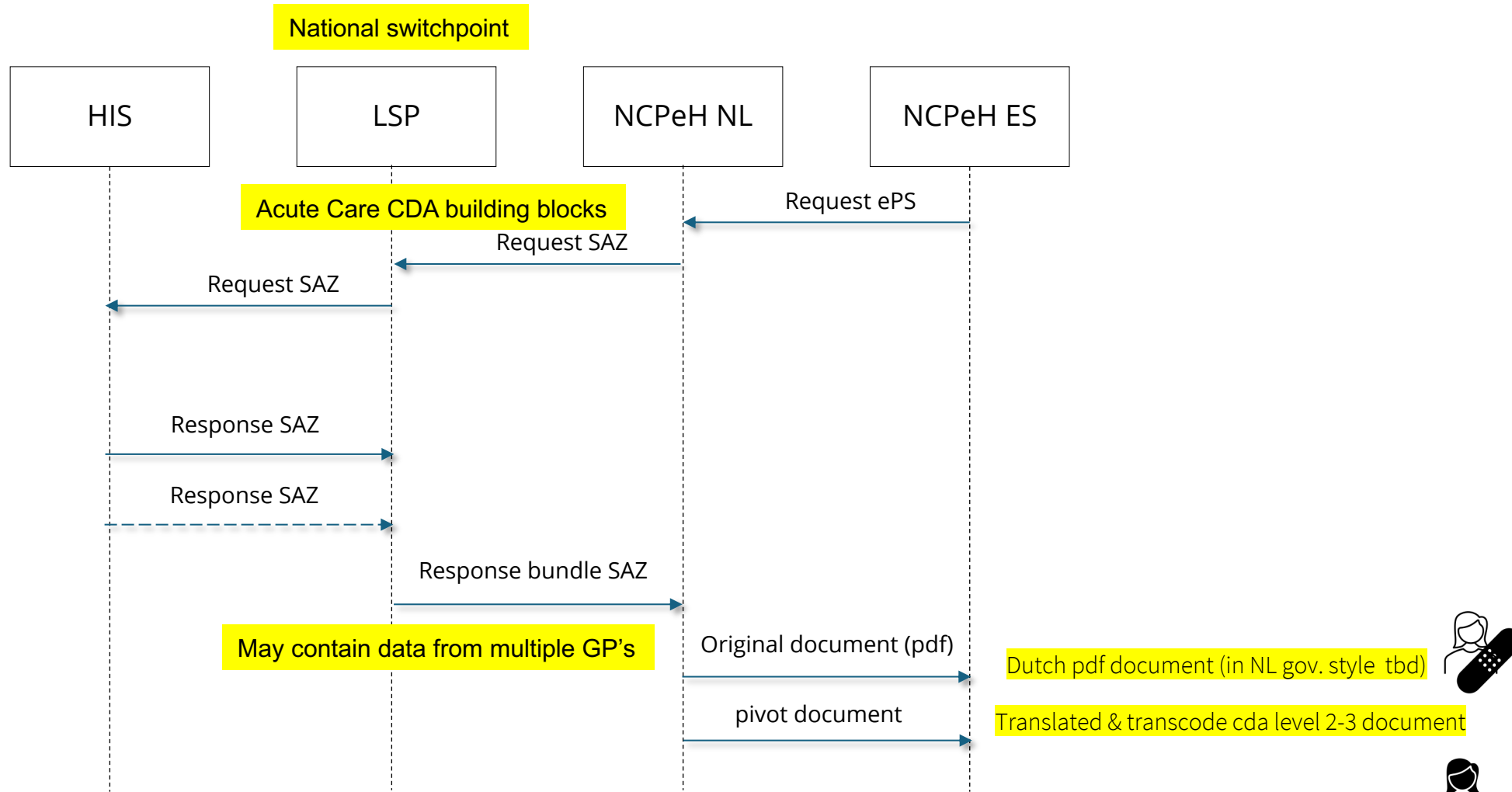


# Parties involved



# Plateau 1

# ePS (CDA)



Dutch pdf document (in NL gov. style tbd)

Translated & transcode cda level 2-3 document



## eHDSI A.2.1 Alerts

- A.2.1.1 Allergy
- A.2.1.2 Medical alert information

## eHDSI A.2.2 Medical history

- A.2.2.1 Vaccinations
- A.2.2.2 Resolved, closed or inactive problems

## eHDSI A.2.3 Medical problems

- A.2.3.1 Current problems
- A.2.3.2 Medical devices and implants
- A.2.3.3 Procedures
- A.2.3.4 Functional status

- eHDSI A.2.4 Medication summary
  - A.2.4.1 Current and relevant past medicines
- eHDSI A.2.5 Social history
- eHDSI A.2.6 Pregnancy history
  - A.2.6.1 Current pregnancy status
  - A.2.6.2 History of previous pregnancies
- eHDSI A.2.7 Patient provided data
  - A.2.7.1 Travel history (blijft leeg)
  - A.2.7.2 Advance Directives
  - eHDSI A.2.8 Results
    - A.2.8.1 Result observations
    - A.2.8.2 Vital Signs
- eHDSI A.2.9 Plan of Care

# Near future: highlights of PIEZO

## **PIEZO PS-A**

- Completion of software for plateau 1 (data from GP's)
- Performance of informal and formal European preproduction end-to-end tests
- Compliance Check by EU
- PEN-test and Production test
- Finalization legislation
- Communication campaign towards citizens, healthcare professionals and EHR suppliers

## **Future plans (plateau 2 and more)**

- Expansion with other data sources (e.g. hospital, pharmacy, etc.)
- Connecting with other infrastructures/trust frameworks (Twiin)
- Further implementation of Patient Summary B
- Other EHDS usecases e.g. ePrescription/eDispensation (before spring 2029), Lab, Images, Discharge letters, FHIR

# Thoughts

These are mine:

1. Work with other countries and create 'birds of a feather' groups to share solutions (and workarounds) to problems  
"Can you check my pivot document?"
2. Include EU cross border use-cases in national interoperability/information standards  
"mandatory vs nullable", "mult-tier versioning"
3. We need people (and other resources) to move from 'legacy' to 'shiny brandnew' FHIR EU standards

## FOKKE & SUKKE STIJGEN TOT EENZAME HOOGTE

MIJN STELLING LUIDT:  
HET DEBAT IS DOOD!



**My thesis is: the debate is dead!**

INTERESSANT,  
MAAR DAAR BEN IK HET  
NIET GEHEEL MEE EENS!  
...EN WEL OM DRIE REDENEN..



**Interesting, but I don't agree with that! ...and for three reasons**