The FHIR® Roadmap

ART-DECOR®
Tooling

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ART-DECOR® Tool Suite...

- ...is an open-source tool and a methodology for various stakeholders of healthcare information exchange
- ...supports comprehensive **collaboration of team members** within/between governance groups
- ...supports **creation, maintenance and federated sharing of HL7 templates** (HL7 STU), **value sets**, and more
- ...has a built-in **schematron engine** to allow easy **comprehensive validation and testing**
Supporting the “Life” Cycle
Functionality Overview

ART-DECOR® Project, Governance Group

- Concept: data sets, concepts, value domains
- Scenario: scenarios, use cases, actors, transactions
- Rules: rules, instructions, constraints, validation conditions
- Identifiers: identification, OIDs, URNs
- Codes: terminology, value sets, code systems, terminology associations
- Issues: issues, description, status, trackings, assignments

Federated sharing through Building Block Repositories (BBR)
Template Viewer / Editor

- Create / Maintain / Share 🌁 Templates + …
- Template Viewer for HL7’s STU format
- Two Template Editors
- Derive Artefacts: Documentation, Implementation Support, Validation/Testing

Demo 5: Vital Signs CDA Document Templates

ART-DECOR®
ART-DECORs FHIR® Roadmap

- FHIR® Profile/Resource Viewer 😊
- Multiple Exports from / Import to genuine ART-DECOR artefacts 😊
- Collaboration with FHIR® Repositories 😊
  - simplifier.net
- FHIR® Terminology Services 😊
  - Participation at the first Terminology Connectathon
- FHIR® Implementation Guide Resources 😞
  - Using it for FHIR® and CDA IGs 😐
- FHIR® Profile Editor 😊
ART-DECOR’s FHIR® Roadmap

Logical Models
Structure Definitions
Naming System
Concept Maps
Value Sets

FHIR® Conformance Resources

Terminology Server
Logical <> StructureDefinition

<table>
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<tr>
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- Reference(nl-core-patient)
- Reference(nl-core-patient | nl-core-relatedperson | nl-core-practitioner)

CausativeSubstance

Binding: VeroorzakendeStofCodeLijst (extensible)

AllergyStatus

Provides the specific CBB code for AllergyStatus

URL: http://nictiz.nl/fhir/StructureDefinition/code-specification

**Example XML:**

```xml
<element id="AllergyIntolerance.substance">
  <path value="AllergyIntolerance.substance"/>
  <short value="CausativeSubstance"/>
  <alias value="VeroorzakendeStof"/>
  <binding>
    <strength value="extensible"/>
    <valueSetReference>
      <reference value="http://decor.nictiz.nl/fhir/ValueSet/
      <display value="VeroorzakendeStofCodeLijst"/>
    </valueSetReference>
  </binding>
  <mapping>
    <identity value="zib-allergieintolerantie"/>
    <map value="NL-CM-8.2.2"/>
  </mapping>
</element>
```
Thus: things on the road

- More FHIR integration
- Terminology Services
- Issue and version management
- Diff functionality for ART-DECOR artifacts

- Organizational
  - ADOT: ART-DECOR Open Tools
- Question: FHIR validation and testing
Thank you

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