



eHealth DSI

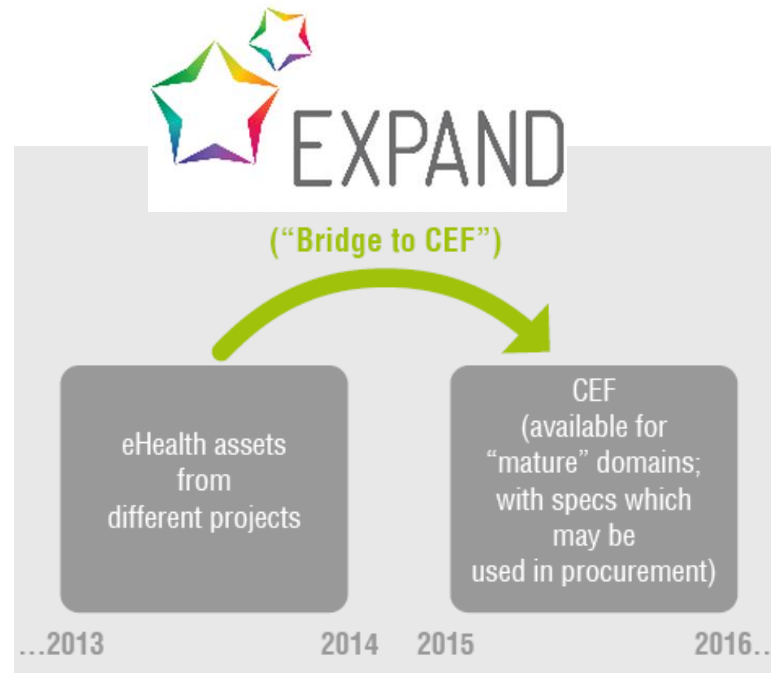
Terminology server task force

Kick off meeting - 20/01/2016

Agenda

- ❑ *Welcoming (5 min)*
- ❑ *Background: Presentation of epSOS/EXPAND (5-10 min)*
- ❑ *Presentation of eHealth DSI (10 min)*
- ❑ *Terminology server (10 min)*
- ❑ *Way of working (20 min)*
- ❑ *Task force tasks for Spring, introduction to what needs to be done (20 min)*
- ❑ *Next meeting*

Background



Directive [2011/24/EU](#) on the application of patients' rights in cross-border healthcare.

Presentation of eHealth DSI (1/3)

Project description

eHealth DSI is a CEF project to deploy services piloted in epSOS /EXPAND / eSENS

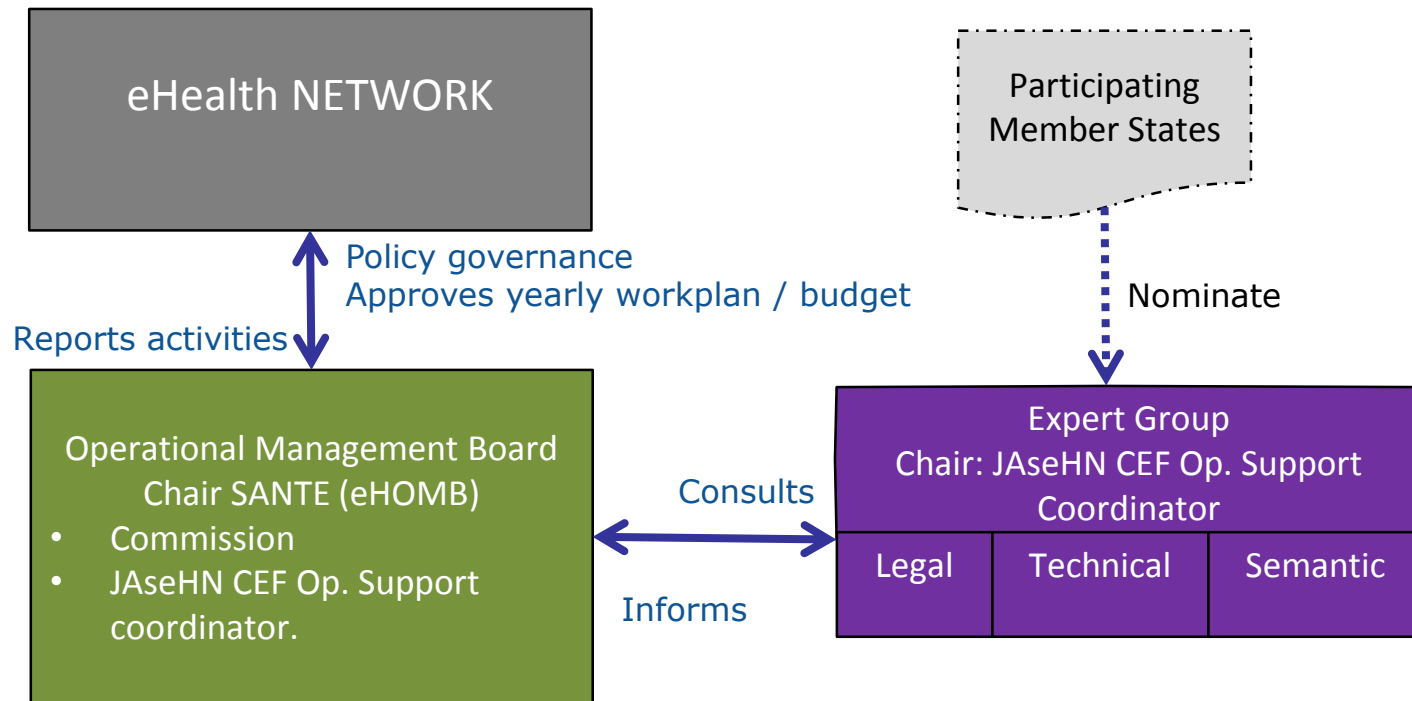
- **Patient summary**
- **ePrescription / eDispensation**

Call CEF-TC-2015-2 on eHealth Generic Services:

http://ec.europa.eu/health/ehealth/policy/network/guidance_ehealthgenericservices_en.htm

Presentation of eHealth DSI (2/3)

Governance of the eHDSI



Presentation of eHealth DSI (3/3)

Core/generic services

European Commission

- **Central services: Terminology server, Configuration server** (later SMP/SML)
- Hosting Continuous Integration, Jira, version control and other necessary development tools
- Security and stress testing for new releases
- Hosting and managing specifications and guidelines (from epSOS, EXPAND, eSense)
- Maintenance, development and release management of eHealth NCP
- Coordinating the openNCP community
- Support for MS for setting up and operating generic services → Q3 2016
- Management and integration of CEF horizontal BB
- CEF governance

Member States

- Guidelines for MS (legal, organizational)
- Audits on identified requirements in line with centrally defined policies
- Deploy, test and operate the eHealth NCP
- **Implementation and maintenance of Master Value Catalog (MVC) and Master Translation Catalog (MTC)**
- Integrate the eHealth NCP to national infrastructure
- Implement / localize portal for end users if necessary
- Quality assurance of the local eHealth NCP
- National service desk for end user support
- Participation to the OpenNCP community
- Participation to the Member State Expert Groups

Terminology server

Introduction

- *epSOS MVC and MTC*
- *eCRTS*

1	Parent Code System:	Anatomical Therapeutic Chemical
2	OID Parent Code System:	2.16.840.1.113883.6.73
3	epSOS Value Set Name:	epSOSActiveIngredient
4	epSOS OID:	1.3.6.1.4.1.12559.11.10.1.3.1.42.24
5	website:	N/A
6	version:	January 2010
7	Translation:	TO BE TRANSLATED
8	Skill needed:	N/A
9		

The Value Set is used as a mandatory code for the Active Ingredient of medications in the Medications Summary as well as the prescription Sections. Also used to code allergy agents in the Allergies and Other Adverse Reactions Section of the patient Summary.

example of the **translation of MVC** display terms in English to Finnish is shown below for the ATC classification

11			
12	Total terms:	5592	
13			
14	#	epSOS Code	English Display Name
15		1 A	ALIMENTARY TRACT AND METABOLISM
16		2 A01	STOMATOLOGICAL PREPARATIONS
17		3 A01A	STOMATOLOGICAL PREPARATIONS
18		4 A01AA	Caries prophylactic agents
19		5 A01AA01	sodium fluoride
20		6 A01AA02	sodium monofluorophosphate
21		7 A01AA03	olafur
22		8 A01AA04	stannous fluoride
23		9 A01AA30	combinations
24		10 A01AA51	sodium fluoride, combinations
25		11 A01AB	Antiinfectives and antiseptics for local oral treatment
26		12 A01AB02	hydrogen peroxide
27		13 A01AB03	chlorhexidine
28		14 A01AB04	amphotericin B
29		15 A01AB05	polynoxylin
30		16 A01AB06	domiphen
31		17 A01AB07	oxyquinoline
32		18 A01AB08	neomycin
33		19 A01AB09	miconazole
34		20 A01AB10	natamycin
35		21 A01AB11	various
36		22 A01AB12	hexetidine
37		23 A01AB13	tetracycline
38		24 A01AB14	benzoxonium chloride
39		25 A01AB15	tibezonium iodide
40		26 A01AB16	meparticin
41		27 A01AB17	metronidazole

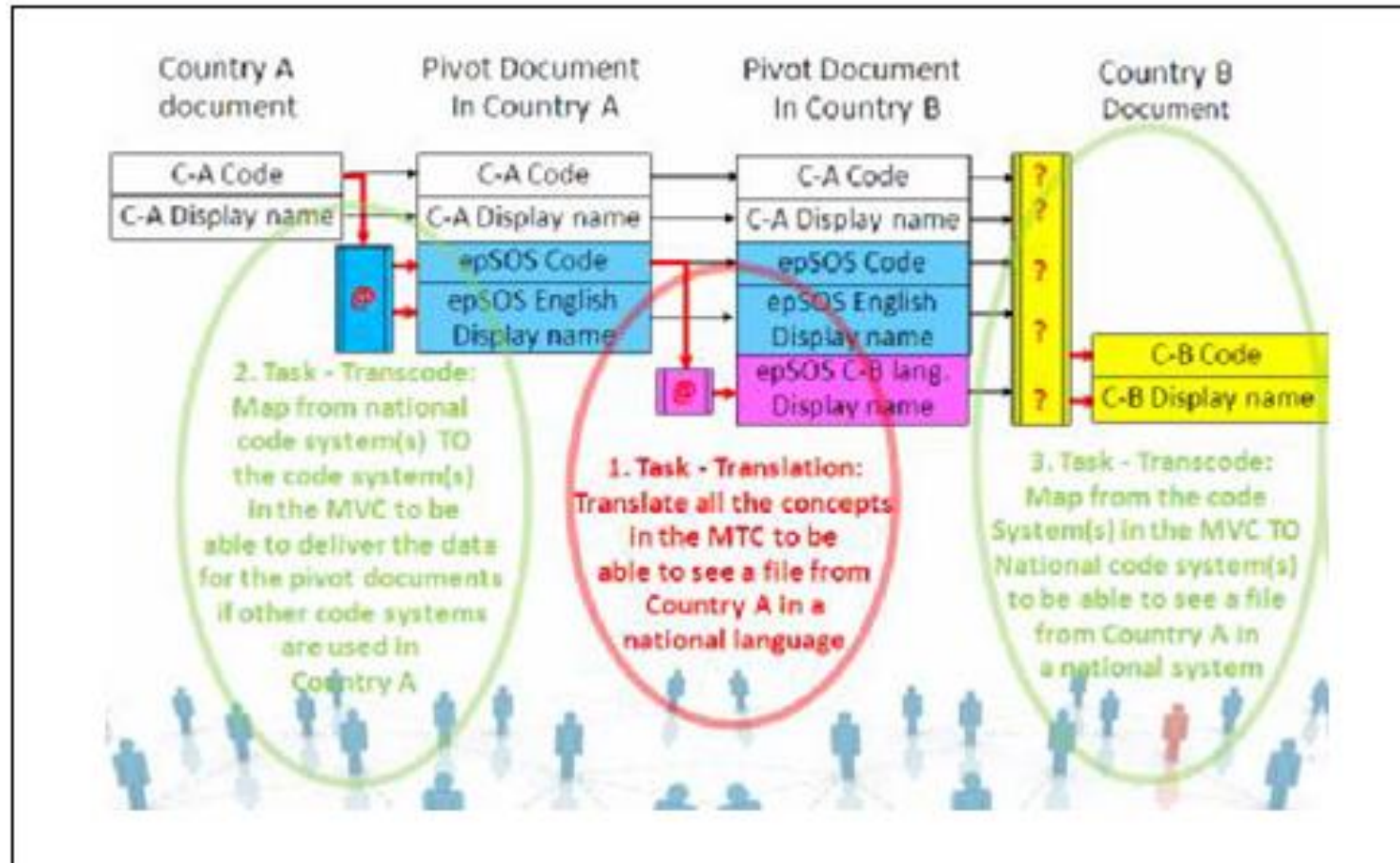
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Code Translation
A RUUANSULATUSELINTEN SAIRAUKSIEN JA
AINEENVAIHDUNTASAIRAUKSIEN LÄÄKKEET
A01 SUUN JA HAMPaidEN HOIToon TARKOITETUT VALMISTEET
A01A SUUN JA HAMPaidEN HOIToon TARKOITETUT VALMISTEET
A01AA Hammasmätät ja ehkäisevät lääkaineet
A01AA01 Natriumfluoridi
A01AA02 Natriummonofluorofosfaatti
A01AA03 Olafuuri
A01AA04 Tinafluoridi
A01AA30 Yhdistelmävalmisteet
A01AA51 Natriumfluoridi, yhdistelmävalmisteet
A01AB Suun paikallishoitoon tarkoitettut mikrobilääkkeet
A01AB02 Vetyperoksidi
A01AB03 Klooriheksidiini
A01AB04 Amfoterisiini
A01AB05 Polynoksyliini
A01AB06 Domifeeni
A01AB07 oksikiinoliini
```



Value set for the active ingredient data element (ATC classification) in the MVC and translation of the display terms into Finnish



European
Commission



Terminology server

First study (06/2014 – 10/2014)

- *Market analysis of terminology servers available on the market*
- *Context of the study*
- *Methodology*
- *Findings and conclusion*

Terminology server

First study (06/2014 – 10/2014)

List of requirements for terminology server selection provided by Expand

The basic criteria applied for solution selection were:

- a. Be compliant to D3.5.2 Appendix F requirements, in particular:
- b. Allow the management of Code system versioning, creating value sets within a code system, to create the Master Valueset Catalogue (MVC)
- c. Allow the management of multilingual designations to create the Master Translation Transcoding Catalogue (MTC)
- d. Allow the management of mapping between code systems (for MTC)
- e. Provide a robust process to define, curate, verify, approve, publish code systems, their translation and mapping, through a controlled workflow, with flexible assignment of roles to users
- f. Provide a web user interface to perform the above tasks
- g. Provide the way to upload: code systems, translations and mapping between code systems
- h. Provide the way to download the full, part of the MVC/MTC in a human readable formal (MS Excel)
- i. Provide an on line service to full and incremental download the MVC / MTC
- j. Provide a consulting and training support to Member States

In EXPAND, it will also request:

- k. The interfaces should be compliant to the sub-set of the HL7 CTS2 specifications, identified in epSOS and revised in EXPAND
- l. The system should be declared Open Source according to accepted license models (EUPL, ASL V2, GSL V3)

Terminology server

Second study

- ***EXPAND requirements revalidation***

- ***Assessment of Functionalities***

(cross-mapping code systems, etc.)

- ***Interfaces***

(Web GUI, Management, web-services)

- ***Operational for production***

(are there other instances)

- ***Development work estimation***

- ***Testing***

Way of working

- **Beside the main repository, there is apparently one fork of the project (ELGA Austria). Others?**
- **How should eHealth DSI work with the project, do we fork or try to manage with sources in a common place? What the pros/cons/risks?**
- **The EC plan is to keep the source code open and available. Modifications will be contributed back, if possible/agreed.**
- **Depending if fork or not: handling of improvements, bug fixes, ticketing, releases, code pushes etc?**

Task force tasks for Spring

- **Further study of how eHealth DSI use cases can be managed with Dortmund server, deliverable GAPS**
- **Implementation of missing features and bug fixing**
- **Analysis of the current way of synchronization between OpenNCP and terminology server**
- **Necessary implementation in OpenNCP and in Dortmund server**
- **EC has requested two resources from Joint Action for Ehealth (JAseHN) to help in populating Dortmund server with Master Value catalog and Master Translation catalog.**
- **After the MVC/MTC for two countries are in the Terminology server a test with OpenNCP to test CTS2 synch should be done**
- **Deadline for all activities is end of May 2016**

Next meeting?

