

aeXistDiabetes

The Open Source Diabetes Application

Powered by:

Health Level 7 version 3 (HL7V3)

&

SNOMED-CT



Foundation Zorg e-Novatie

Remko Hoekstra, Director

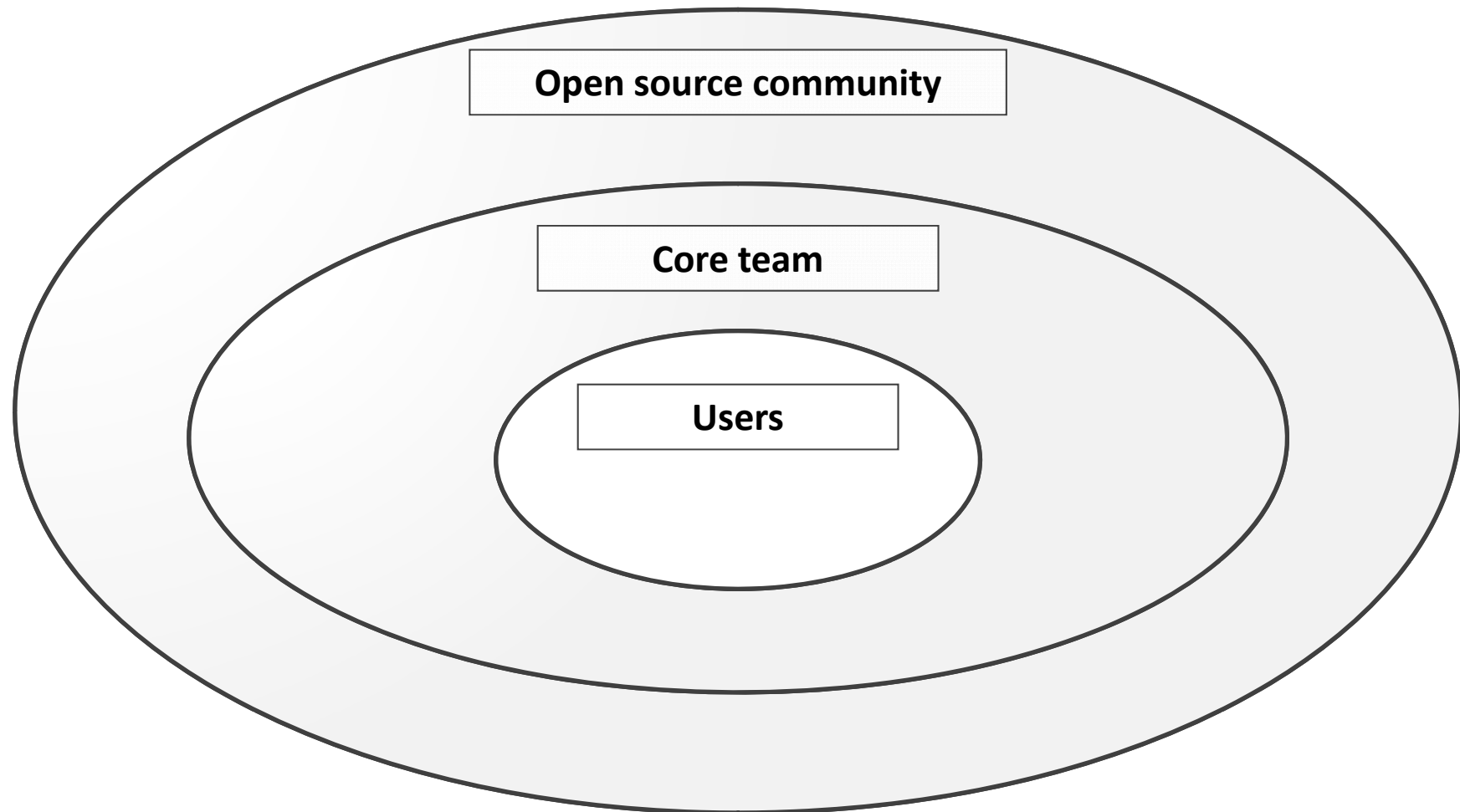
16 APRIL 2010

Med@Tel
LUXEMBOURG
BY ISFTEH

Agenda

- Who we are
- Challenges
- Proactive diabetes care
- Demo
- Design principles
- Roadmap

Who we are



Challenges

- Policymakers

- » Neelie Kroes, European Commissioner for Digital Agenda
- » In 2050, 29 % of population is 65+
- » Increasing demand for healthcare
- » “Interoperability is the key to successful e-Health initiatives”



- Patient perspective

- » In control
- » Martini principle: any time, anyway, anywhere

- Clinician perspective

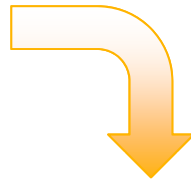
- » Delivering high quality care
- » Transition to preventive care



Patient: electronic diary & coach



Measurements



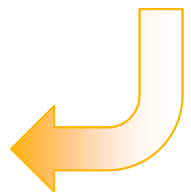
Patient



aeXistDiabetes



Clinician
Nurse



Feedback

aeXistDiabetes supports Evidence Based Medicine



Diabetes Care Standard



External reporting: Anonymous and aggregated



Demonstration

iPod 13:55

aeXistMobile
Welkom

Insuline Glucose Coach

Log uit

Stichting Zorg e-Novatie



aeXistDiabetes

Welkom, piet van dummy [Logout](#) Laatste ingelogd op: datum van vorige bezoek [TaaliLanguage](#)

- Dashboard
- Dagboek
 - dagboek
 - welbevinden
 - grafiek
- Inzage Dossier
 - behandelplan
 - anamnese
 - labwaarden
- Periodieke agenda
- E-mail

Dashboard

Glucosewaarden

Insuline

nuchter	N.O.	V.L.	N.L.	V.A.	N.A.	V.S.	nacht	O	M	A	S
14e	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Opmerkingen:

email

U heeft 3 nieuwe emails:

afzender	onderwerp	datum
Dr. M. Hansen	RE:RE: Hoge glucosewaarden	11/05/2010
Dr. M. Hansen	Hoge glucosewaarden	10/05/2010
M.A. Gerrits	Inplannen huisbezoek	10/05/2010

glucosewaarden

Dit zijn uw 5 hoogste glucosewaarden in de afgelopen week:

datum	tijd	Waarde in m/Mol
12/04/2010	middag	11.3
9/04/2010	ochtend	9.9
9/04/2010	avond	9.1
12/04/2010	ochtend	8.5
6/04/2010	avond	8.4

AeXist Diabetes is een product van Stichting Zorg e-Novatie [help](#) | [about](#) | [privacy](#) | [contact](#) | [gebruikersvoorwaarden](#)

Design principles aeXist



Open standards:

Care:	Diabetes Care Standard, SNOMED-CT
Technology:	W3C, HL7V3
Authentication:	UZI-card, DIGID



Open Source:

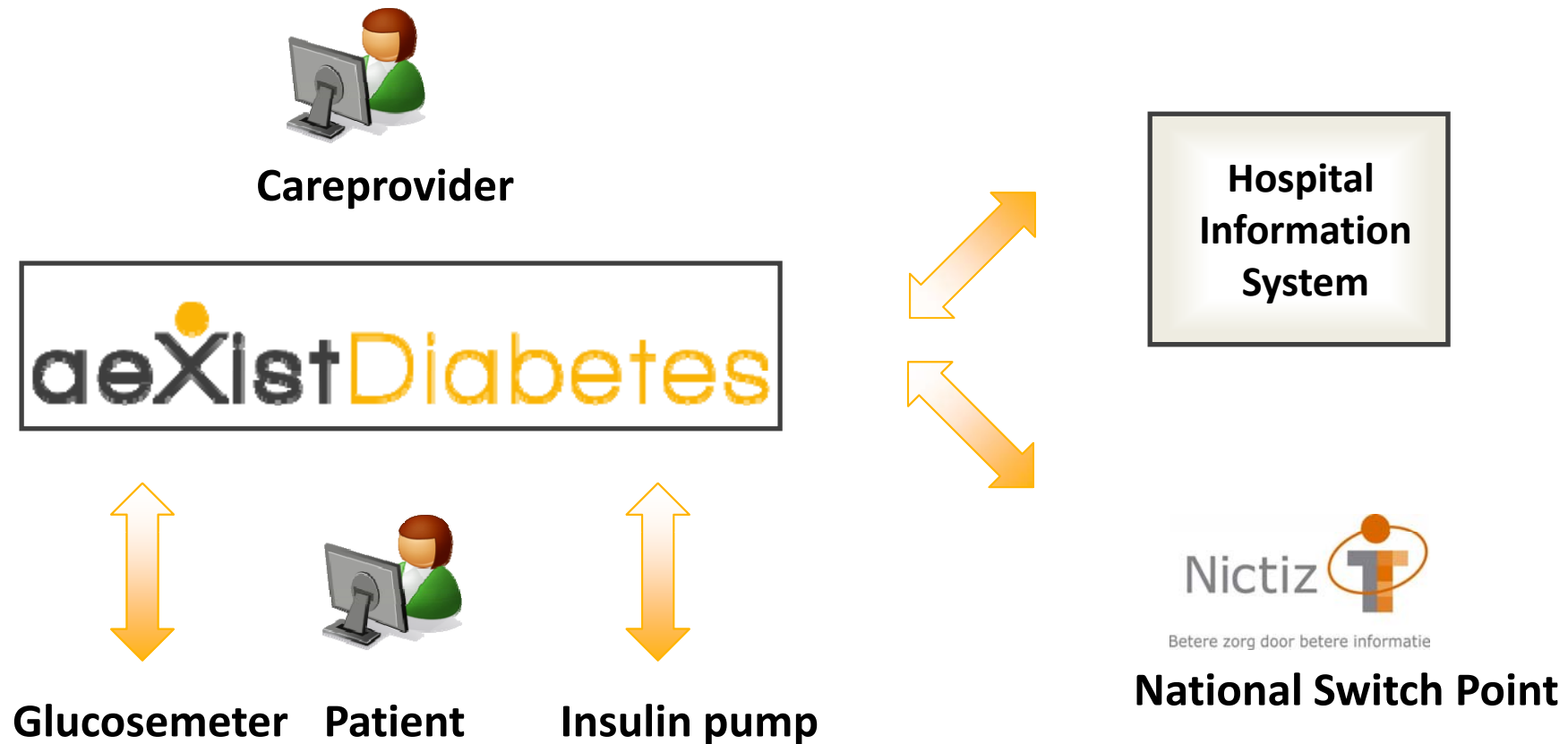
User sets the development agenda
Faster innovation



Privacy & Security:

Legal requirements & industry standards

aeXist is interoperable by design



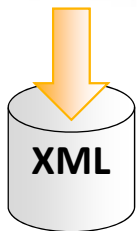
aeXist is powered by HL7V3 & SNOMED-CT



Clinical Models are based on HL7V3 and SNOMED-CT
e.g. Family history diabetes 416855002



XML Clinical Models are the building blocks for the X-Forms:
As you type validation



Clinical data are stored in the native XML-database



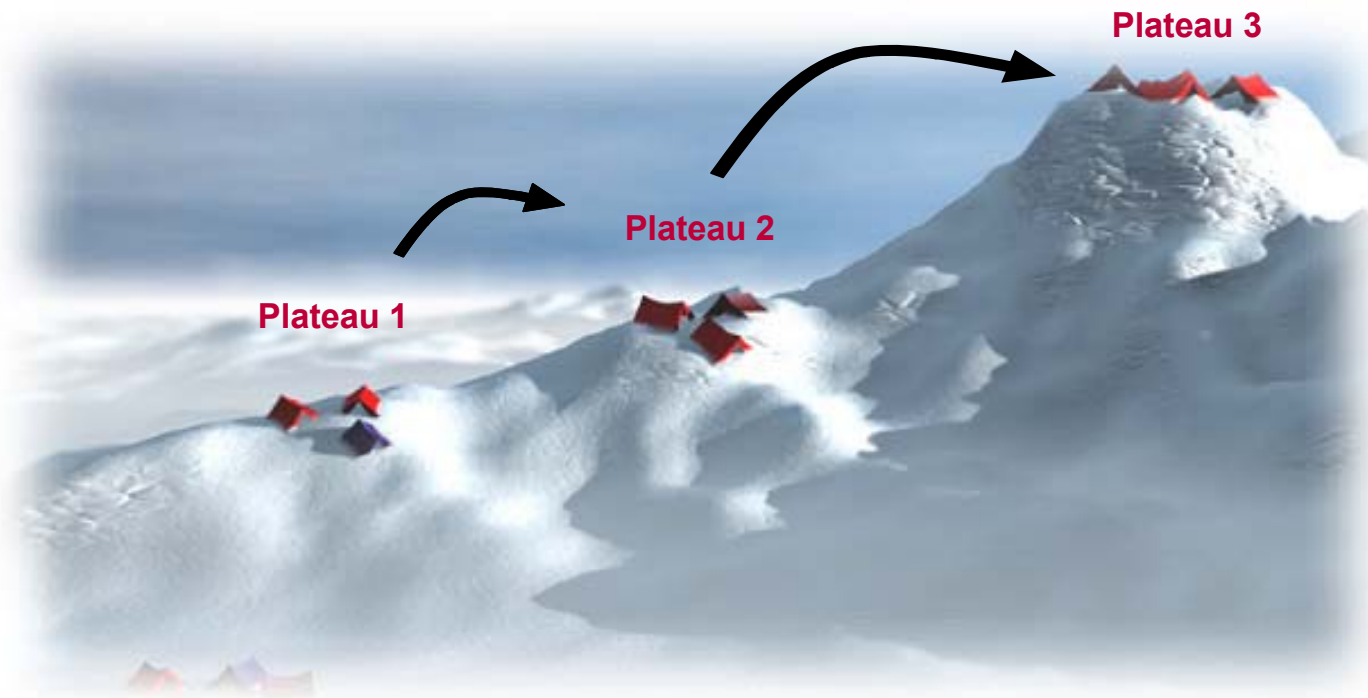
Data are published via webservice

Roadmap

June: β -release

2010: Pilot

2011: COPD,
Heart Failure, ...



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