REGIONE DEL VENETO

Arsenàl.IT

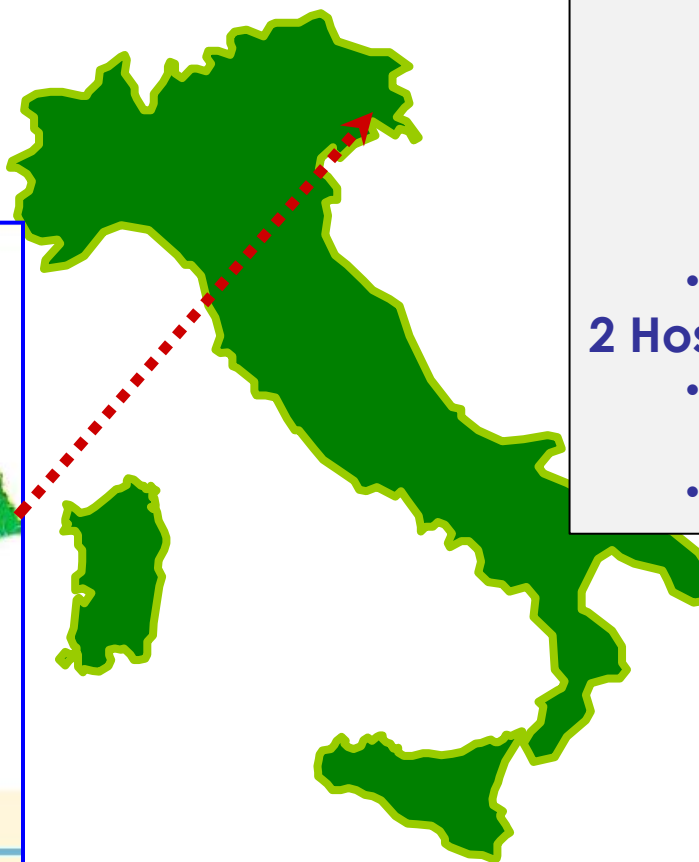*Centro Veneto Ricerca e Innovazione per la Sanità Digitale*

arsenàl.IT
centro veneto ricerca e innovazione
per la sanità digitale

L'esperienza del Veneto nell'interoperabilità in sanità

Treviso, 18 giugno 2014

21 Local Health Authorities
- Healthcare assistance (Hospitals)
- Territorial assistance and social issues (GPs, outpatients' clinics, elderly care, in-home assistance, mental health, disability, drug addiction, ecc…)
- Prevention department

2 Hospital Trusts
- University education and research
- High-specialty services

- **4,9 M inhabitants (2013 data)**
- **18.391 km^2 of land surface**

BELLUNO

TREVISO

VICENZA

VERONA

PADOVA

VENEZIA

ROVIGO

Source: Veneto Regional Government

Arsenàl.IT

2004-2009	2010-2012	2010-2012	2012-2014	2010-2013

Teleconsulto neurochirurgico/neurologico

Scarico online dei referti

Rete dei MMG/PLS

Servizi online ai cittadini

Telemonitoraggio di pazienti cronici

Arsenàl.IT, volontary consortium of 23 LHAs and Hospital Trusts.

Innovation in order to produce change and development in Healthcare Processes and Organisation through system's **interoperability** and service's **sustainability**

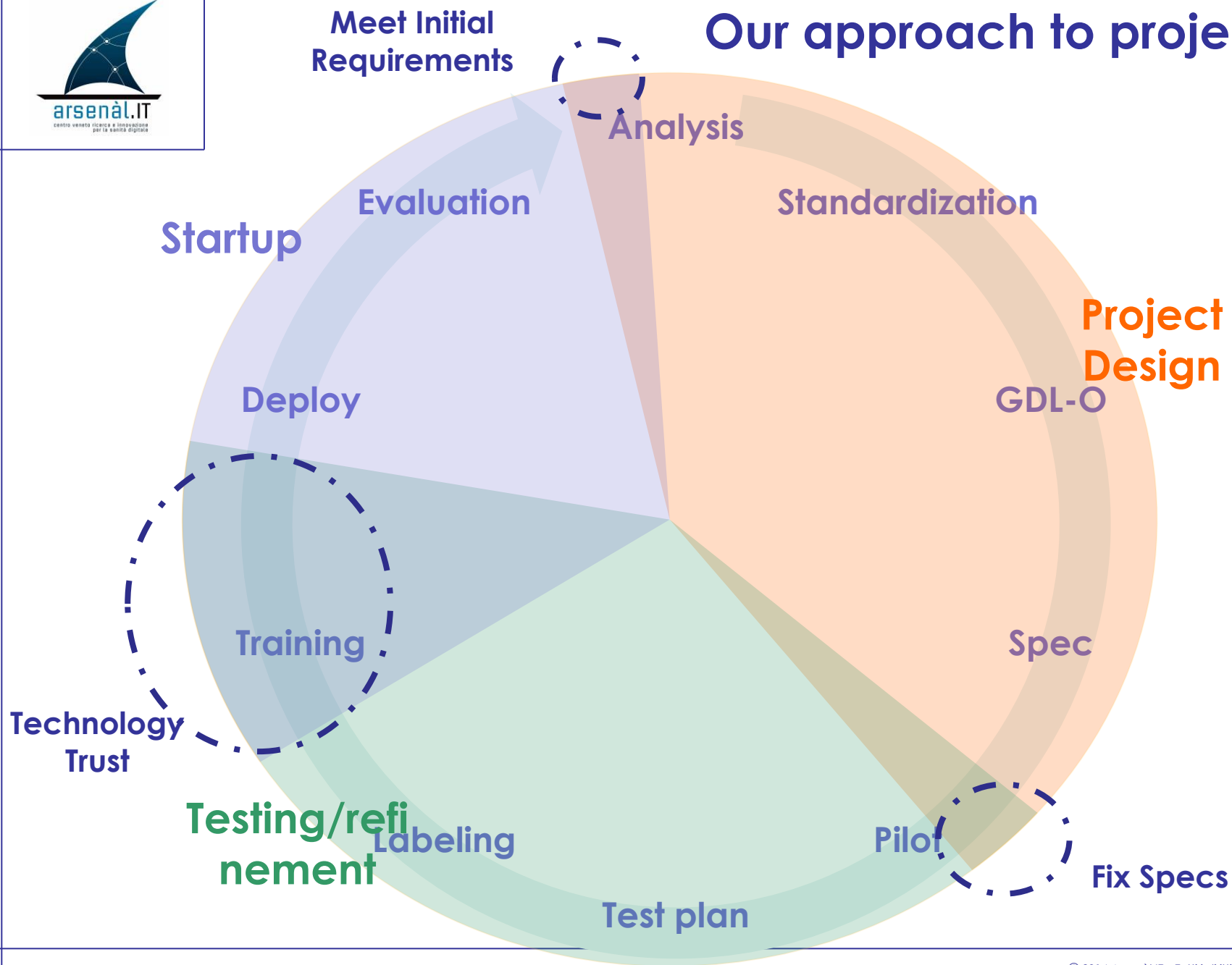**Multidisciplinary team, 44 young figures , 80% women with an average age less than 31 years**

Could it be a **strategic** decision the use

of an interoperability approach for

deploying eHealth regional projects

(e.g. RHIOs, HIE, EHR) **?**

YES !

But conditioned:

1) Reach **process interoperability** and NOT only technical interoperability…

2) Major requirement of the interoperability framework of the project: **MODULARITY and REUSABILITY** ….

Our approach to projects

Meet Initial Requirements

Analysis

Standardization

Evaluation

Startup

Project Design

Deploy

GDL-O

Spec

Training

Technology Trust

Testing/refinement

Labeling

Pilot

Fix Specs

Test plan

New National ePrescription Project

Requirements/Constraints:

- Very short time to deploying the entire project

- National specs NOT standard oriented

- Need to have ONE implementation oriented to Regional EHR

ePrescribing Project

National Healthcare System

40 M prescriptions by year

Legacy

Veneto HIE/EHR

XDS + XUA + ATNA + Legacy

XDS + XUA +ATNA+ Legacy

GP (4000)

Pharmacy (1500)

Project roadmap
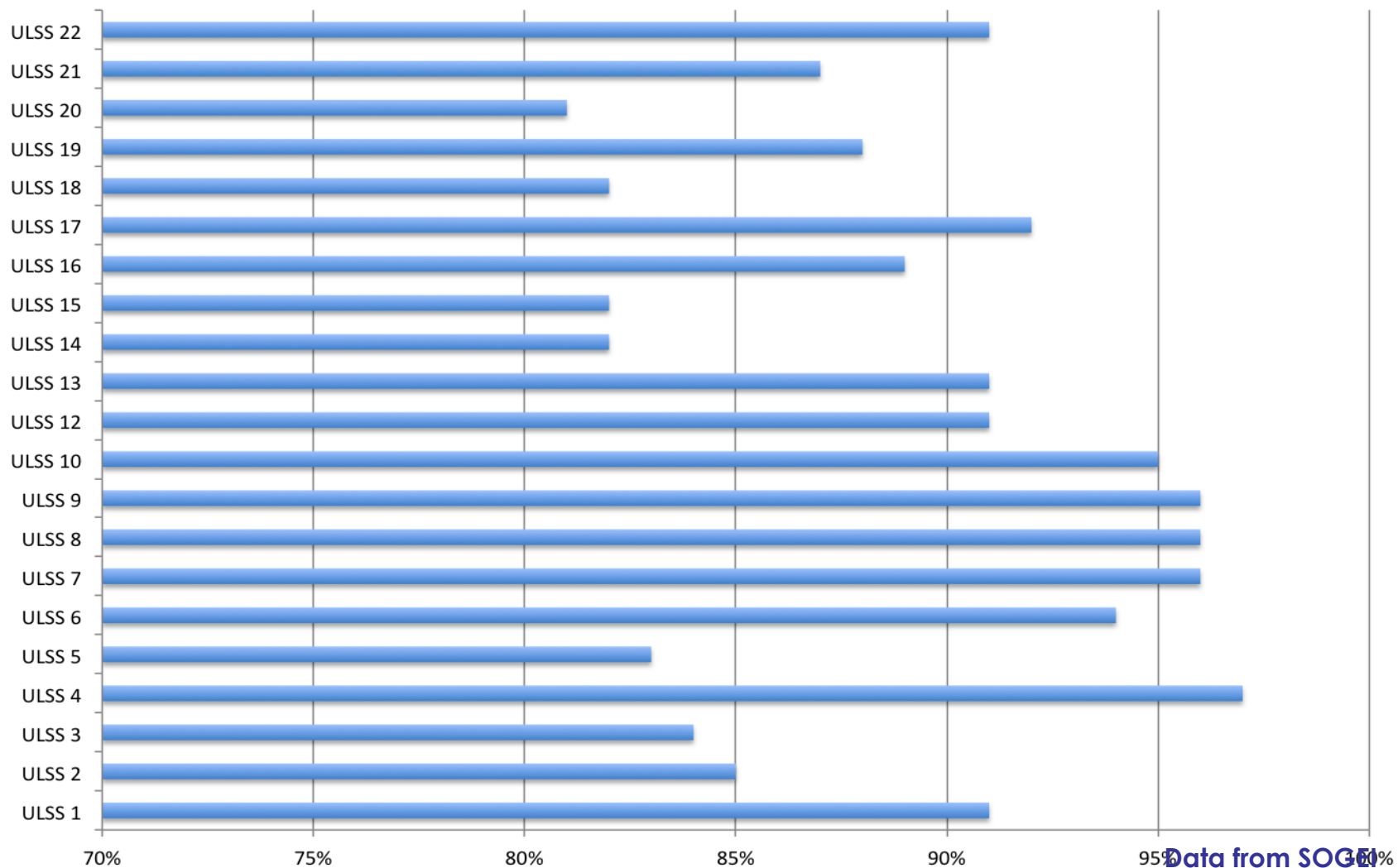
- Technical specs & Test plan (Dec 2012 - May 2013)

- Setup gazelle platform (July 2013)

- Pre-Labeling test (**August 2013** - October 2013)

- Labeling session (November 2013)

- Pre-production test (February 2014 – March 2014)

- Deploying phase (April 2014 – **May 2014**)

Rate of Activated GPs…

Labeling results

Products	Systems	Vendors
GP EHR	15	11
Pharmacy	14	12
Total	29	23

1600 mails from vendors

208 hours for F2F labelling

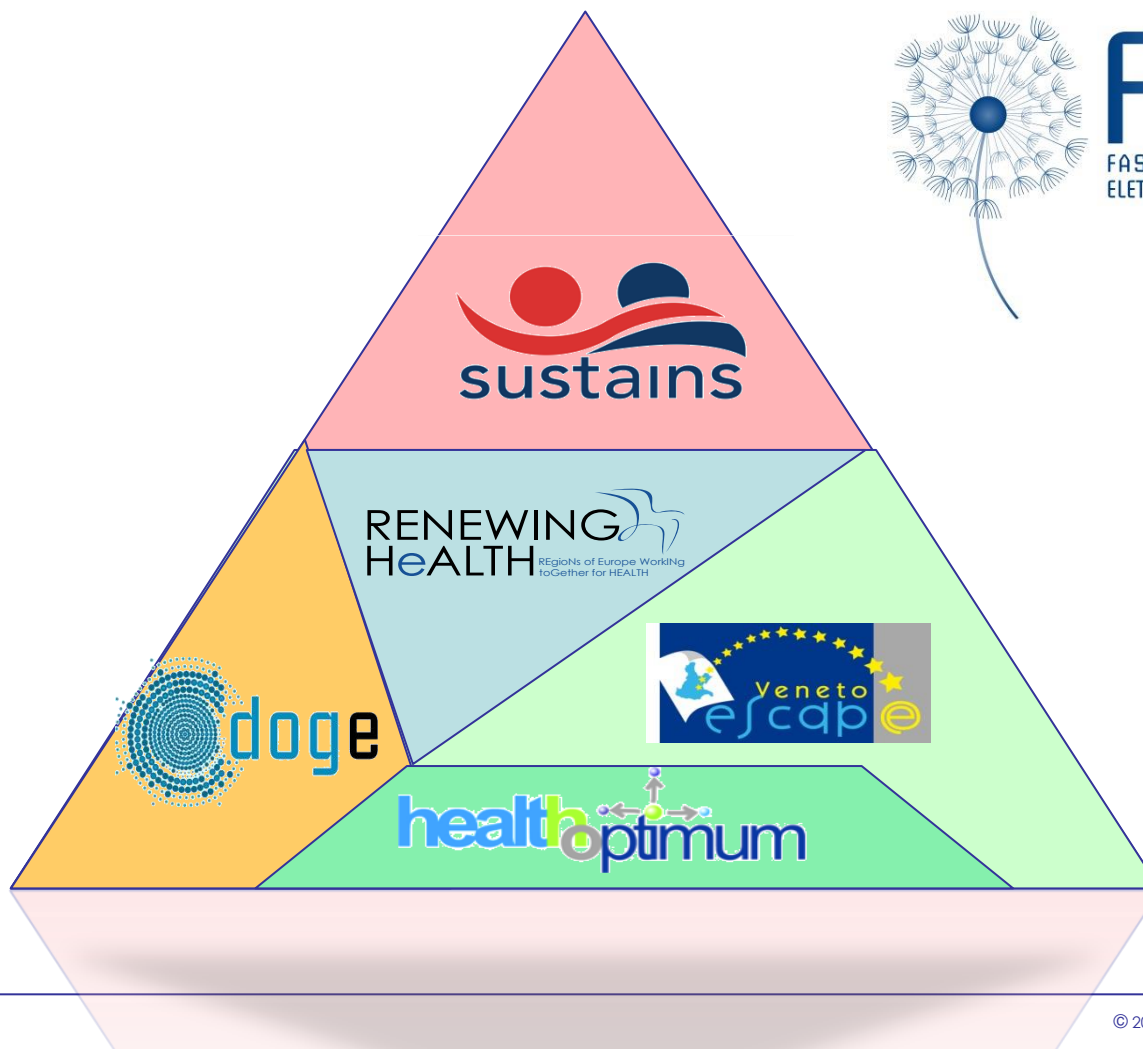*3,5 FTE for T&T*

64 users 4000 login

31 different test case

More than 1000 Verified Tests

★ **HEALTH OPTIMUM European Project –** European Telemedicine Project aimed to diffuse and pilot-test some telemedicine services (2007-2009):

1. Document Sharing at regional level;

2. First push in standard usage (XDS, XDS-I, XCA)

★ **VENETO ESCAPE -** giving to patient and to healthcare professional the possibility to obtain digitally signed electronic medical reports (2009-2012)

1. First Patient-oriented service;

2. IT and standards to reorganize a business process;

3. First Data-structure shared at regional level (XD-LAB)

★ **Doge: the GPs Network -** Regional project aimed to set up a network of services for information and document exchange between GPs, Hospitals and LHAs (2009-2010)

1. GP's informatization using standard protocols (XDS)

2. Address a process/workflow that involve the patient (XDW XBeR-WD)

3. Sharing of information between GP's, LHA and the Region (HL7 v2, PDQ)

★ **RENEWING HEALTH -** validation in real life settings and with a common assessment methodology of the use of Personal Health Systems for innovative Telemedicine services (2009-2012)

1. Standardization of a complex clinical process (XDW, XTHM-WD, HL7 PHMR)

Veneto Region RHIO (FSE^R)

Grazie per l'attenzione

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