GNU Health Federation Roadmap











GNUHealth

BIOINFORMATICS





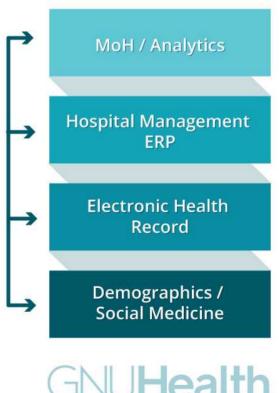


GNU Health Ecosystem



GNU Health ecosystem







GNUHealth

Hospital and Laboratory Management



HMIS and LIMS Server



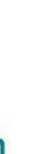
LABORATORY / LIMS

Server: Based on Tryton 5.0 (LTS)

GTK Client: Based on Tryton 5.2

Currently health 45 packages

Development focus



- → Oral health / Dentistry package
- → Canvas plugin (surgery, forensics, ...)
- → Enhance Interoperability (FHIR, IHE, analyzers...)
- → Optimize ergonomics / usability
- → Greater integration with the Federation HIS
- → Packaging (by the GNU/Linux & BSD distributions)

GNU Health Localization i18n



Localization (i18n)



Currently Pootle

Focus:

- → Localization teams
- → Merge languages
- → Optimize version management
- → Improve GH Control center
 - * Download versions



The GNU Health Federation



GH Federation components



Nodes

Message Server

Information System



Thalamus





Thalamus is the GH Federation Message and Authentication Server

Focus on

Endpoints for epidemiology / analytics

Include more resources

Strengthen security



GH Federation Portal



Developed on Vue.js (2.x)

Focus on

Account management

Patient portal

Health Professional Portal

Analytics

- * Demographics
- * Epidemiology

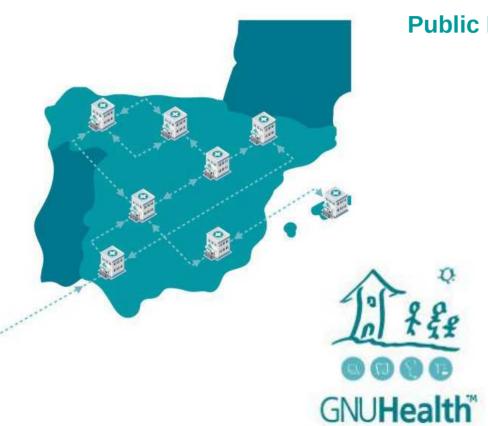


A proposal to our governments

Unique ID & history
Person demographics and
medical history up-todate no matter the health
institution she goes across
the country

Improve quality of care
Health professionals have
better and timely patient
information. Saving time
and providing better
healthcare

Empower the community
The person is now an active
player in the system of
health



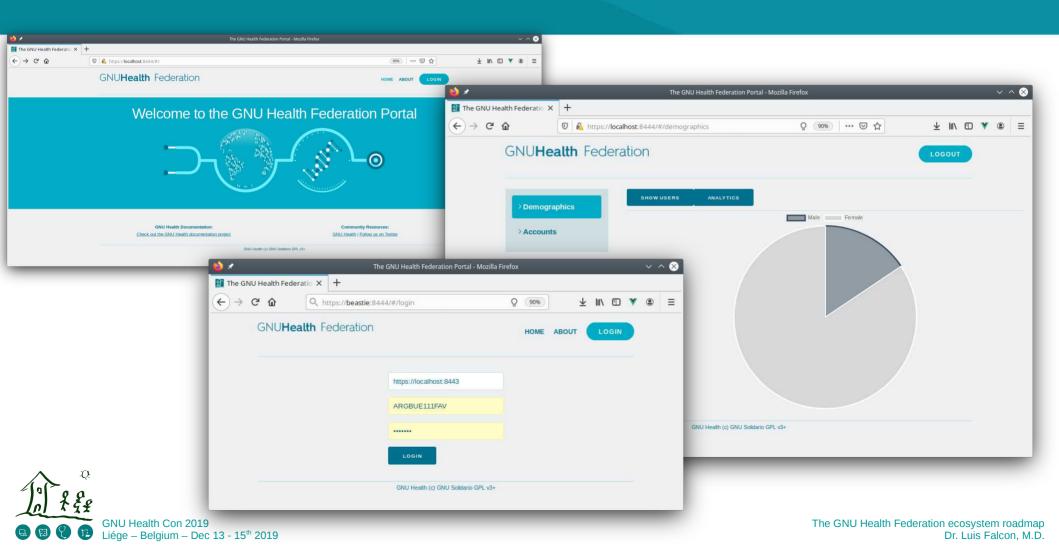
Public Money, Public Code!

Libre Software: No hidden code, no blackboxes in healthcare.

The health software will be a **public good.**

Save millions of euros in licenses that can go to improve the public health system.

GH Federation Portal



Community Server



GNU Health Federation Community Hub



Community public server in Munich Demo and test environment Main Federation components:

- * HMIS node and PgSQL
- * Thalamus message server
- * Person / Patient Master Index HIS
- * openSUSE Leap OS

Focus on

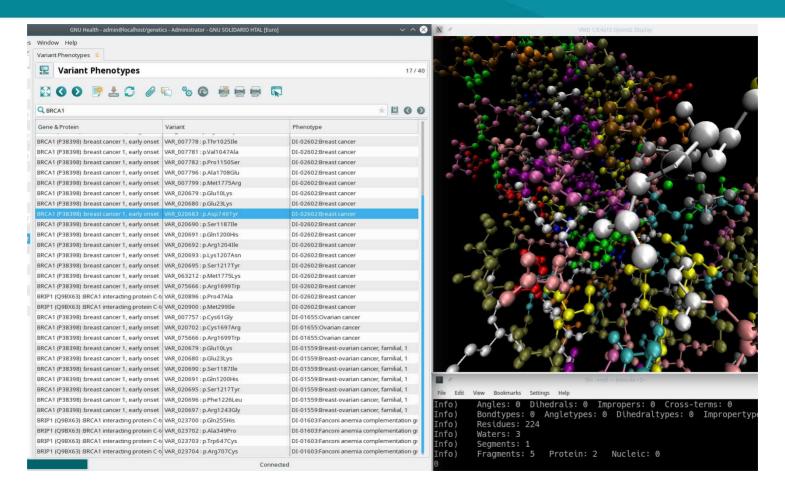
- → Federation Portal component
- → Enhance demo data, both at HMIS node and HIS database



Bioinformatics & Medical Genetics



Precision Medicine & Medical Genetics





Dr. Luis Falcon, M.D.

GNU Health Embedded



Become a member and win a Raspberry Pi!



www.gnuhealth.org/join



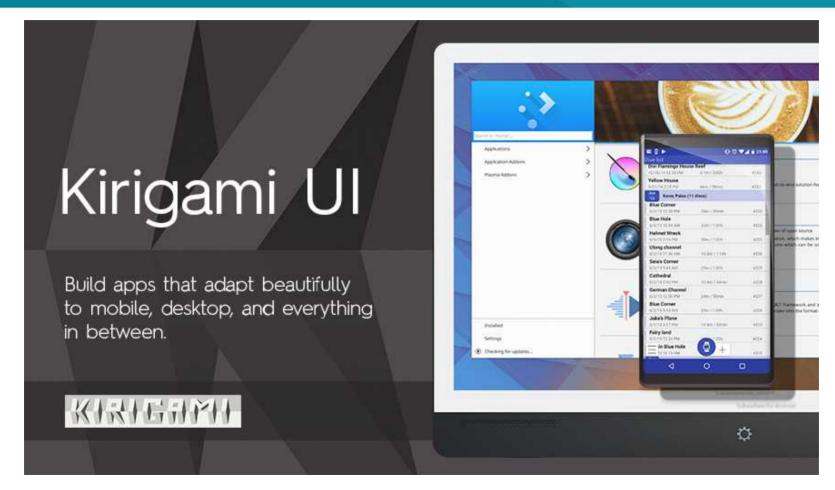


MyGNUHealth



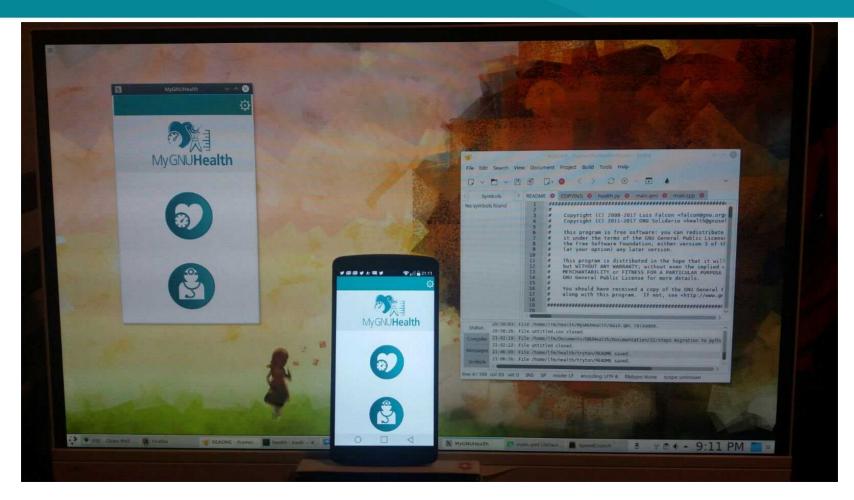


QT Client



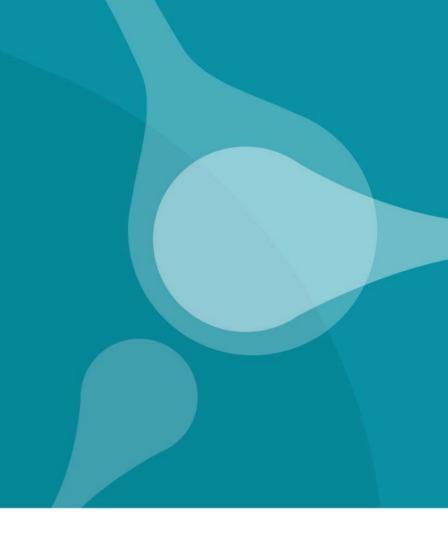


Desktop and mobile client





Interoperability





FHIR, IHE and openEHR









Focus on

FHIR Read and Write ops

Add new FHIR resources

Update FHIR API to Python3

IHE standard

European Comission Reccom.

Discuss openEHR integration (meeting in Tokyo this February)



Join us!



www.gnuhealth.org



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Health must remain a non-negotiable human right





GNU Solidario first project :Santiago del Estero, Argentina, 2006