Occhiolino - IWEEE 2014

Sebastián Marró – smarro@thymbra.com

Occhiolino THE GNU LIMS

thymbr@ Converging Ideas for Emerging Realities™

IWEEE 2014 Social Medicine LAS PALMAS DE GRAN CANARIA, SPAIN MAY 29-30 2014

WHO?

GNUSolidario

thymbr@

Occhiolino
THE GNU LIMS

thymbr@
Converging Ideas for Emerging Realities™

IWEEE 2014 Social Medicine
LAS PALMAS DE GRAN CANARIA, SPAIN
MAY 29-30 2014

GNU?

Free Software Foundation

GNU official package: lims

LIMS?

Laboratory

Information

Management

System

Why?

Tryton

Framework +

Account
Purchase
Production
Stock
Security

Modular, Community-based, Free/Libre Laboratory Information Management System

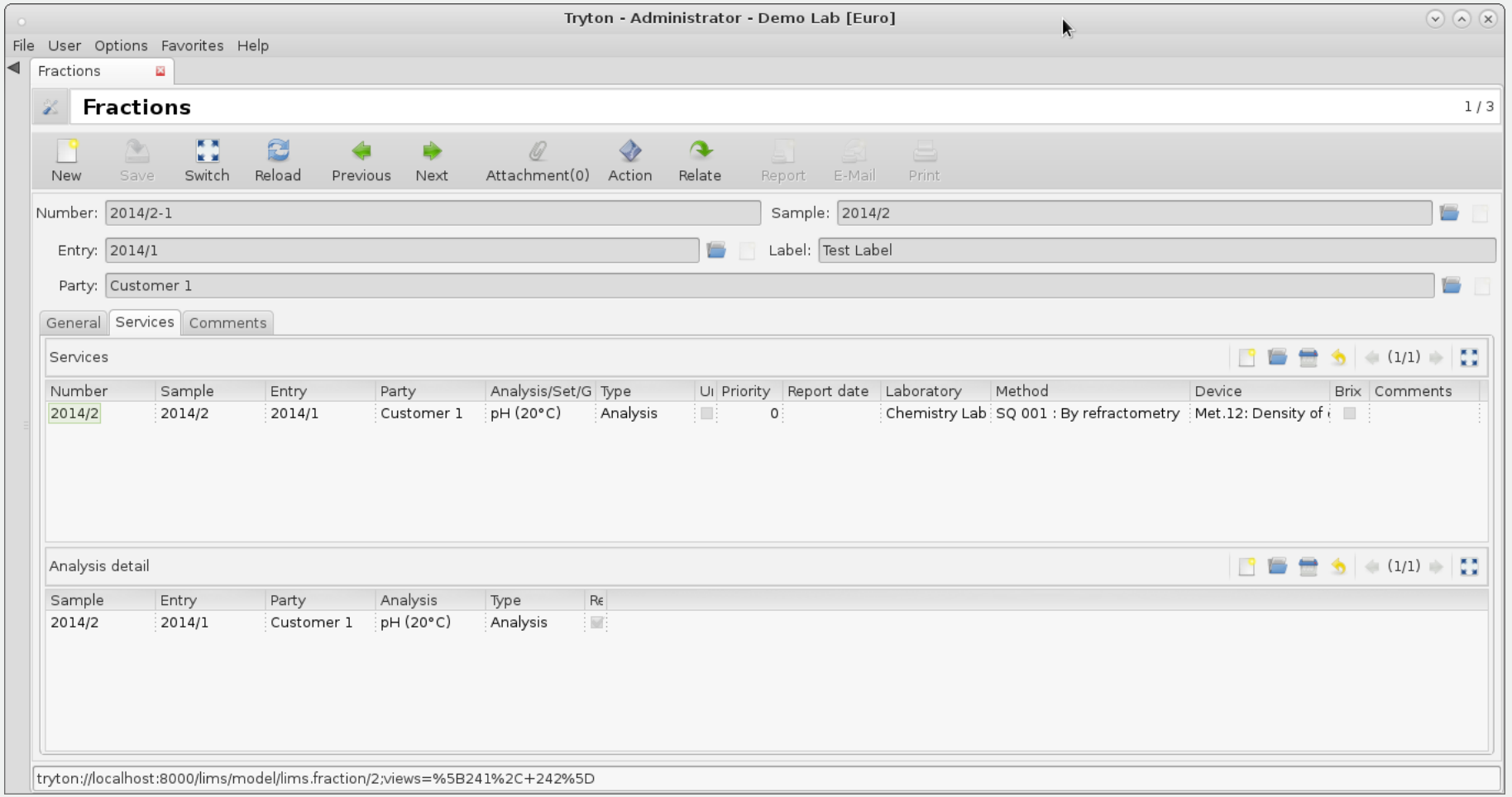
Laboratory Management

- Sample Management
- Lab equipment integration
- Workflows
- Supply Chain Management
- Standards (Production)
- Method management
- Audit Management
- Traceability
- Barcode Handling
- Access groups and security management

Sample Management

- Reception
- Fraction
- Services
- Barcodes
- Location tracking
- Planning
- Controls, Blanks and Duplicates
- Shared Samples
- Sample states

Fractions

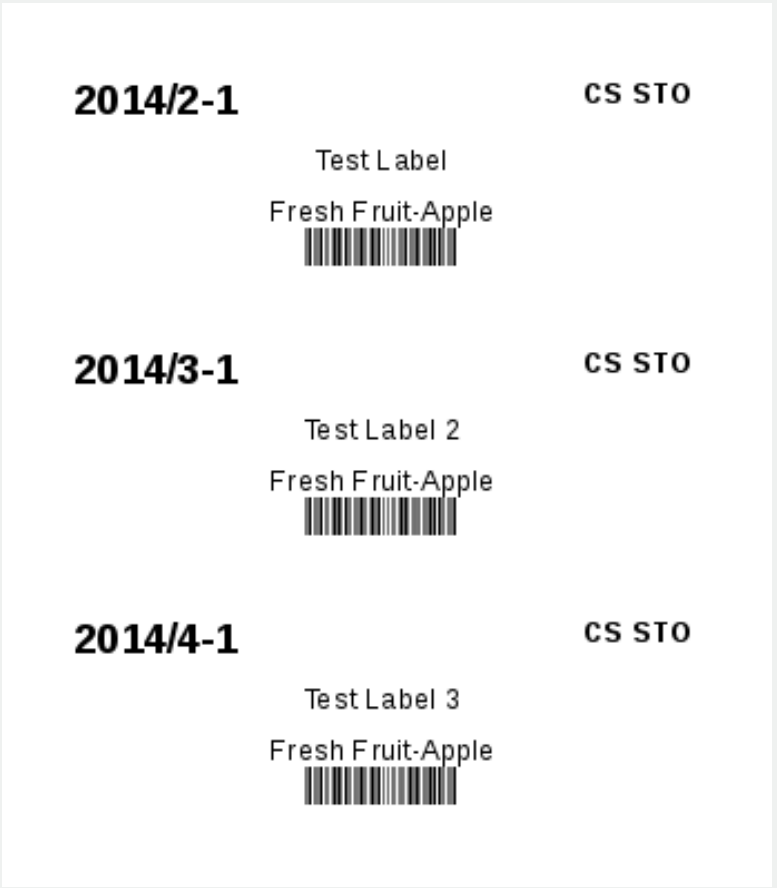


Occhiolino THE GNU LIMS

thymbr@ Converging Ideas for Emerging Realities™

IWEEE 2014 Social Medicine LAS PALMAS DE GRAN CANARIA, SPAIN MAY 29-30 2014

Sample Management



Lab equipment integration

- Integration with laboratory instruments and applications

- Export worksheets to instruments

- Import instrument results files for quality control assessment

- Import raw results

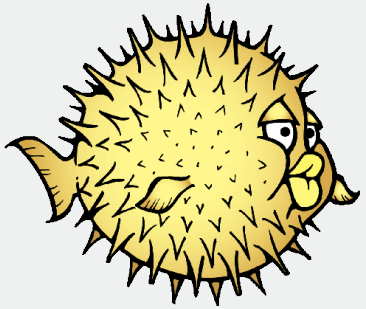
- Intermediate calculations

Lab results

- Dependent analyses
- Unit conversion
- Limits of detection and quantification
- Check results ranges
- Uncertainty tables
- Review and acceptance of results
- Lab results reports management

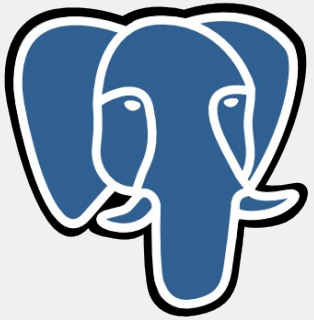
Occhiolino relies on Libre Technology

GNU/LINUX



OpenSSL

Tryton



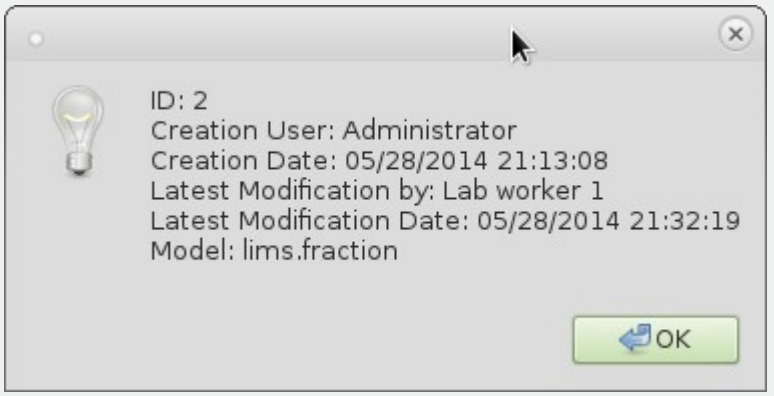
PostgreSQL

Occhiolino
THE GNU LIMS

thymbr@
Converging Ideas for Emerging Realities™

IWEEE 2014 Social Medicine
LAS PALMAS DE GRAN CANARIA, SPAIN
MAY 29-30 2014

Occhiolino : Security



Audit logging

Digital signature

Occhiolino : Standards

ISO/IEC 17025

OECD Good Laboratory Practice (GLP)

Modular design

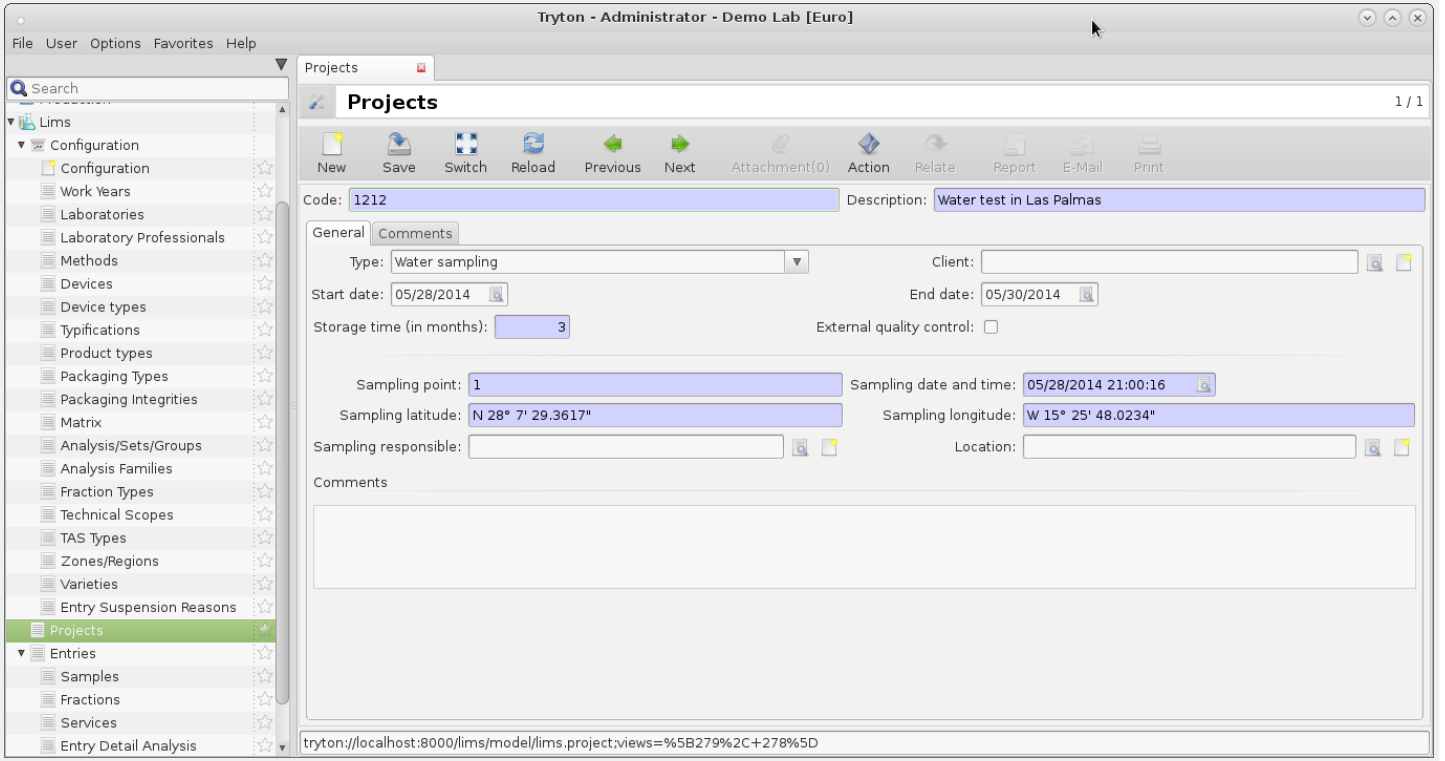
Health

Water →

Interlaboratory

Technical Assistance

Study Plans

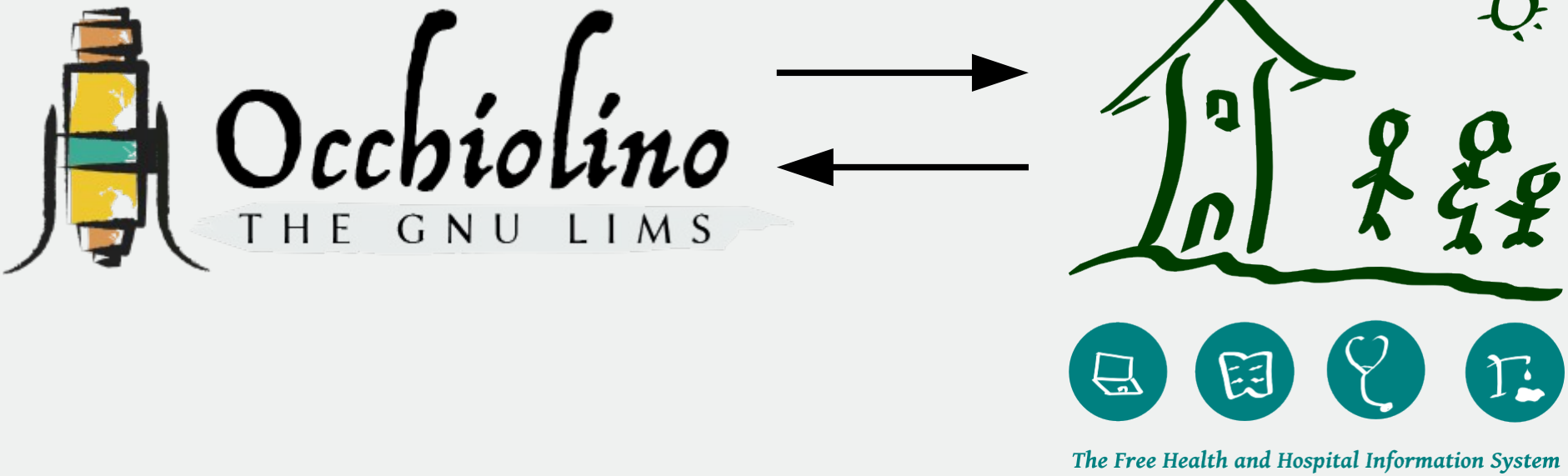


Occhiolino THE GNU LIMS

thymbr@ Converging Ideas for Emerging Realities™

IWEEE 2014 Social Medicine LAS PALMAS DE GRAN CANARIA, SPAIN MAY 29-30 2014

GNU Health integration



Community : CIATI, Argentina

Thank you!

lims.gnu.org

thymbr@

@sebastianmarro

Occhiolino THE GNU LIMS

thymbr@ Converging Ideas for Emerging Realities™

IWEEE 2014 Social Medicine LAS PALMAS DE GRAN CANARIA, SPAIN MAY 29-30 2014