Occhiolino - TUL 2014

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THE GNU LIMS

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Converging Ideas for Emerging Realities™

Tryton Unconference Leipzig
14th-16th November 2014

WHO?

GNUSolidario

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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

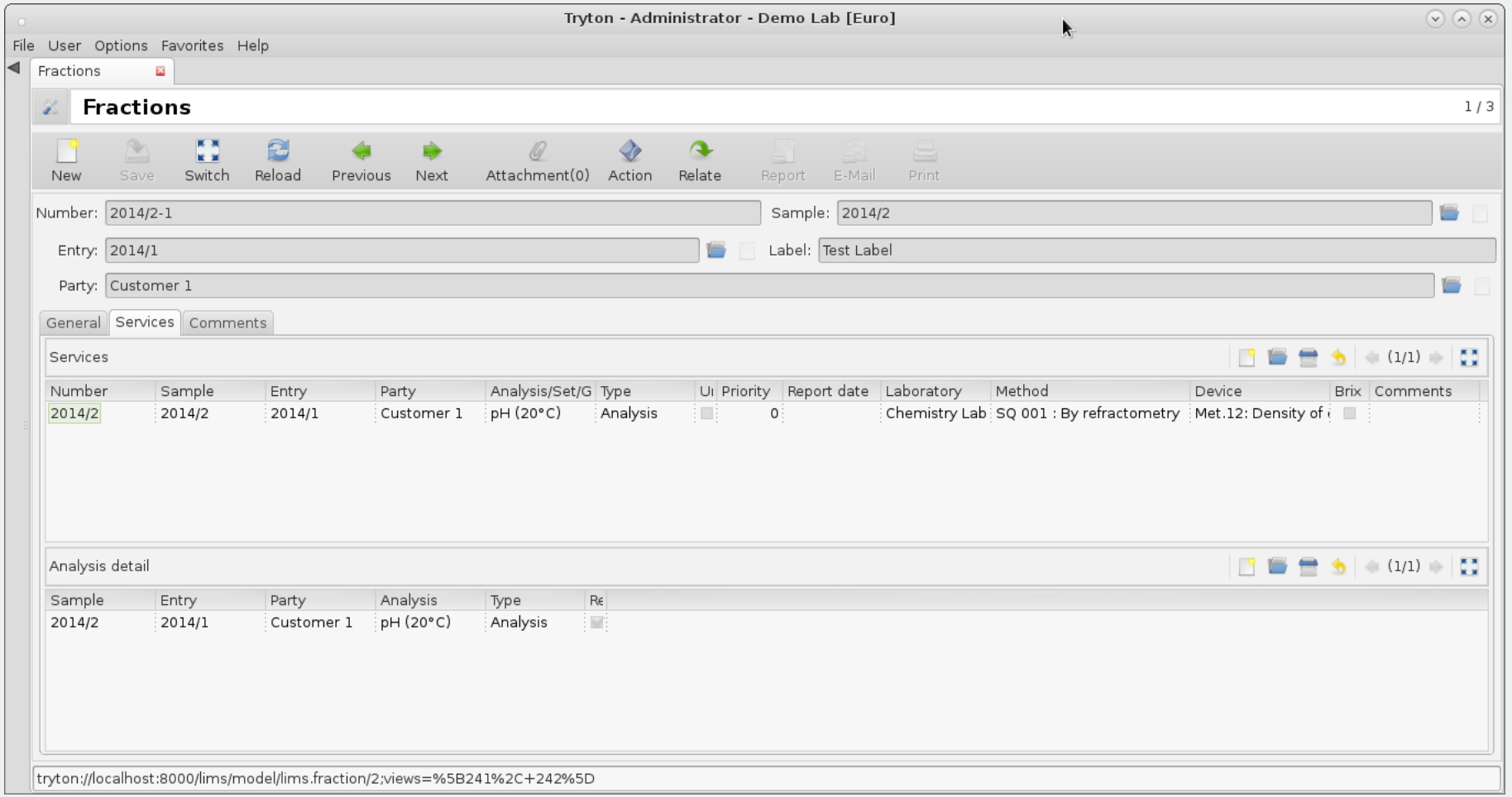
Laboratory Management

- 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



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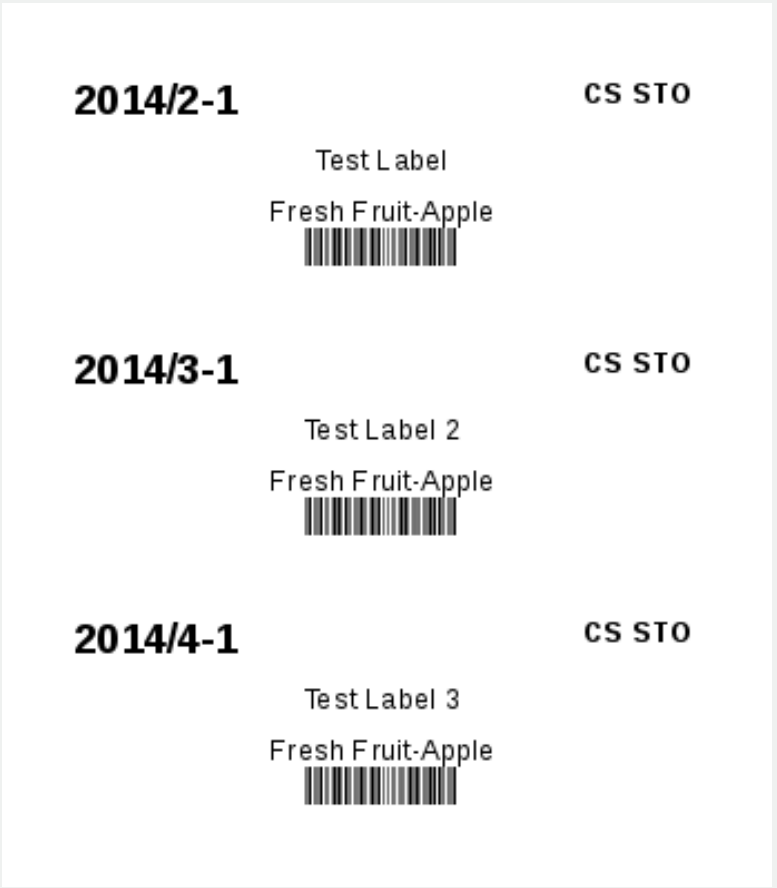
Sample Management



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 : Standards

ISO/IEC 17025

OECD Good Laboratory Practice (GLP)

Modular design

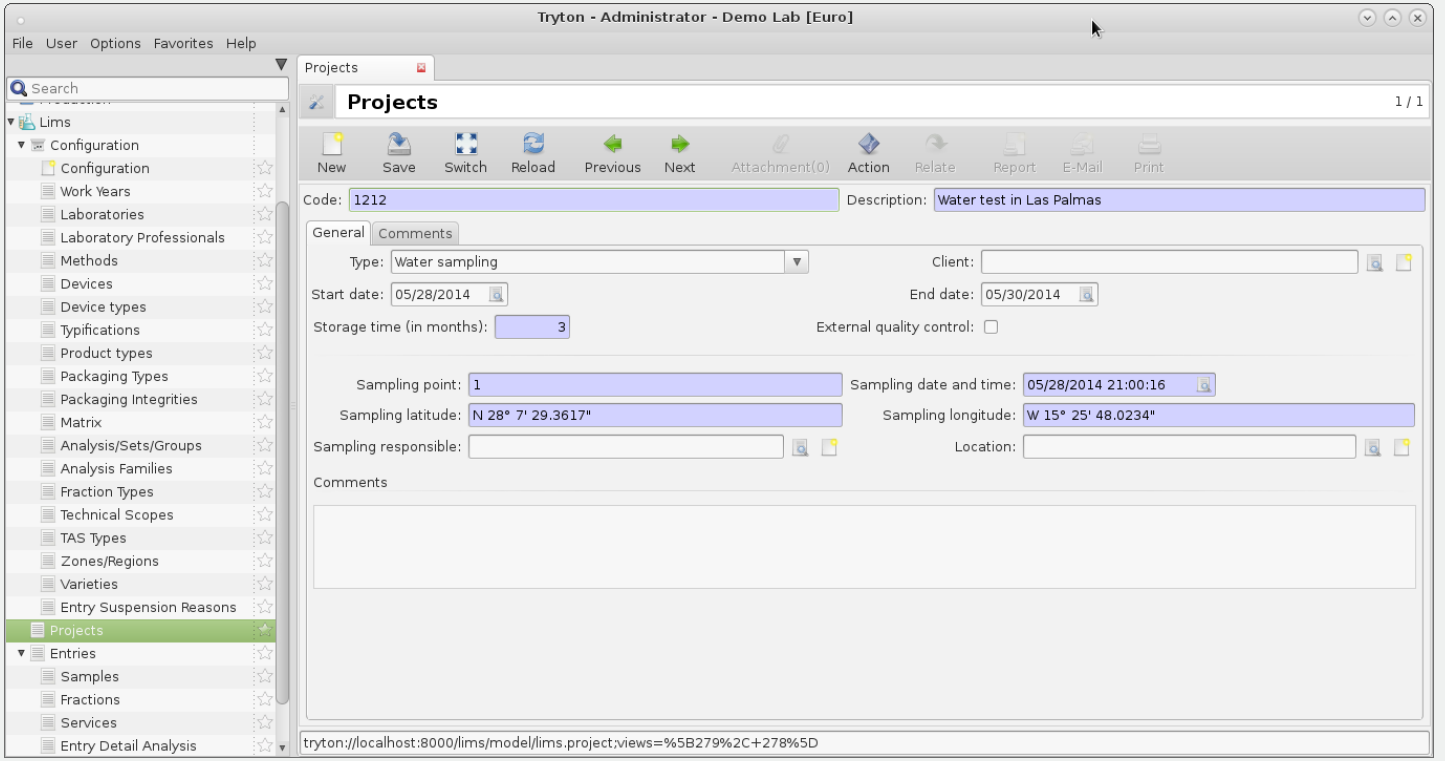
Health

Water

Interlaboratory

Technical Assistance

Study Plans



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GNU Health integration

Community : CIATI, Argentina

Thank you!

lims.gnu.org

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