An open source Enterprise Laboratory Information System for Global Health

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The OpenELIS Global software is an open enterprise-level laboratory information system built on open source web-based technologies that has been tailored for low-and-middle income country public health laboratories.

The software serves as both an effective laboratory software solution and business process framework. It supports the effective functioning of public health laboratories for best laboratory practice and accreditation.

**Designed to support quality laboratory services and test results from high volume clinical and reference laboratories**
As of April 2018

**Geographic Coverage**

- **OpenELIS Global**: 84 Reference + Clinical Labs in Cote d’Ivoire
- **OpenELIS Global**: 41 Reference + Clinical Labs in Haiti
- **OpenELIS Global**: 20 Clinical Labs in Vietnam
- **Bahmni OpenELIS Implementations**: ~50-70 implementations in 14 countries
Core Technologies: Open Source

- **Spring**
- **Java**
- **Hibernate**
- **PostgreSQL** v9.9
- **Apache Tomcat** v8.5
- **FHIR**
- **Docker**
- **Ubuntu** v16.04 LTS
Key Features

- Interoperability with iSantéPlus (OpenMRS)
- Analyzer Interface Plug-In Library
- Viral Load Scaleup
- Multilingual - English and French
- Customizable workflow
- Viral Load Dashboard – Cote d’Ivoire
Demos

OpenELIS Global

Viral Load Dashboard
What’s Next for OpenELIS Global

2019
- Security Upgrades & application of CIS Benchmarks
- Spring Rewrite
- Non-Conformity overhaul
- UX update
- Reports as Plug-Ins
- Dockerization (auto-updates, etc)
- New online knowledge base with community forum

2020
- Consolidated Server (FHIR, OpenHIE, etc)
- Links to C&T providers
- Enhanced Microbiology module
- Enhanced TB module
- New reports and dashboards (EID, MOH, QMS, etc)
- FHIR Based API Layer

TBD
- OE Global into Bahmni
- SLIPTA Tools
- Rapid results reporting

Complete Road Map: https://sites.google.com/site/openelisglobal/road-map