

Open Source LIMS in Namibian and Zimbabwean Health Care Laboratories

Illustrated by many donor and government initiatives under way in our region, public health care is receiving well deserved attention. Electronic Medical Records (EMR) and Laboratory Information Management Systems (LIMS) are important tools for timely and preventative care to protect and improve public health.

There are many opportunities for Web based [LIMS](#) and instrument integration bring about vast gains in turnaround times and accuracy, for all labs big and small, anywhere. [Bika Health](#) achieve this as robust and affordable Open Source product. It is based on ISO 17025 compliant [Bika LIMS*](#) for chemistry and micro biology, and adds CLIA conformant health care features: Patients, Doctors, Clinical Cases, Epidemiology, Pathology Request Forms, Interfaces with clinical instruments and EMR, hospital and accounts systems.

It is also used in veterinary settings with animal subjects and veterinarians in these roles, and forms the basis for Bika applications in bio-informatics and biobanks.

Coded in Python and JS in the [Plone CMS framework](#) by members of the [Bika Open Source LIMS Collective](#) at [BikaLIMS.org](#), and implemented by users and clients world wide.

Topics for Discussion

- [Open Source LIMS Collective](#)
- [LIMS Features and Benefits](#)
- [Python](#). [Plone](#). JS. JSON
- Roadmap
 - [Froid](#). Free Open Instrument Middleware
 - Android [Samp](#). Free and Open Sampling App
- Opportunities
 - Internships
 - Local Partnerships
 - Google Summer of Code 2016
- Entry Points
 - github.com/bikalabs
 - List: bika-health@googlegroups.com
 - Slack: bikaslackin.herokuapp.com

*[Bika LIMS](#), without the additional health features, is used in anything from agriculture, food and beverages, water quality management, mining etc. Apart from with lab instruments, it is often interfaced with ERP and accounts packages.