

# Open Source Lab Information Systems and Tools

Listed in alphabetical order.

| Tool                                                                              | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Website and Marketing                                                                                                                    | Code Repository                                                                                                                                                                                               | Product Roadmap                                                            | Point of Contact                                                                                                                                                                                                                                            |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>BLIS</b>                                                                       | Basic Laboratory Information System, supported by Georgia Tech C4G and the US CDC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                          |                                                                                                                                                                                                               |                                                                            |                                                                                                                                                                                                                                                             |
|  | For medical biology laboratories, LabBook helps improve management and control of the data that is critical to ensuring quality in the lab.<br><br><b>Implemented In:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <a href="https://www.lab-book.org/">https://www.lab-book.org/</a><br><br>• <a href="#">Recorded Tutorial</a>                             | Available as ISO download from website and <a href="https://github.com/fondationmerieux">https://github.com/fondationmerieux</a>                                                                              |                                                                            | <b>Steward</b><br><br>Fondation Mérieux<br><br><a href="https://www.lab-book.org/contact-help/">https://www.lab-book.org/contact-help/</a>                                                                                                                  |
|  | The OpenELIS Global software is an open enterprise-level laboratory information system built on open source web-based technologies with standards-based interoperability with lab analyzers and other eHealth architecture components. OpenELIS Global has been tailored for low-and-middle income country public health laboratories.<br><br>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.<br><br><b>Implemented In:</b> Nationally in Cote d'Ivoire, Haiti, Kenya, and available as part of Bahmni HMIS ( <a href="#">50+ countries of Bahmni implementations</a> ) | <a href="http://openelis-global.org/">http://openelis-global.org/</a><br><br>• <a href="#">OpenELIS-OpenMRS FHIR Exchange Demo Video</a> | <a href="https://github.com/I-TECH-UW/OpenELIS-Global-2/">https://github.com/I-TECH-UW/OpenELIS-Global-2/</a>                                                                                                 | OpenELIS Product Roadmap                                                   | <b>Steward</b><br><br>Digital Initiatives Group at I-TECH, University of Washington<br><br><a href="mailto:digit@uw.edu">digit@uw.edu</a><br><br><b>Community Communication</b><br><br>• <a href="#">Community Forum</a><br>• <a href="#">Slack Channel</a> |
| <a href="#">blocked URL</a><br><br><b>SENAITE LIMS</b>                            | An Open Source and web-based Laboratory Information Management System (LIMS) for enterprise environments, especially focused to behave with excellent performance and stability. The complexity and power of the LIMS works under a modern, intuitive and friendly UI that displays only the data you want to need to see.<br><br>SENAITE is the brand for a group of Open Source solutions and the community supporting it. SENAITE includes the development of open source web-based LIMS applications and extensions, each geared towards different types of laboratories.<br><br><b>Implemented In:</b>                                                                                                                                       | <a href="https://www.senaite.com/">https://www.senaite.com/</a>                                                                          | SENAITE is developed as a system of independent add-ons maintained in a <a href="#">public GitHub account</a> .<br><br>• Meta package that builds SENAITE LIMS: <a href="#">SENAITE LIMS meta package</a>     | • <a href="#">SENAITE upgrade to Phone 5</a><br>• <a href="#">Releases</a> | The companies behind SENAITE<br><br>• <a href="#">Riding Bytes</a><br>• <a href="#">Naralabs</a><br><br>Community Communication<br><br>• <a href="#">Senaites Community forum</a><br>• <a href="#">Mailing List</a><br>• <a href="#">Gitter channel</a>     |
| <a href="#">blocked URL</a><br><br><b>SENAITE Health</b>                          | SENAITE Health is an extension of SENAITE LIMS suitable for Health Care Laboratories and walk-in clinics.<br><br>It adds additional capabilities to SENAITE LIMS for the management of patients, clinical cases, doctors, referring institutions, medical history, treatments, immunizations, allergies and travel, life threat alerts, ICD Symptom, disease classification, etc<br><br><b>Implemented In:</b>                                                                                                                                                                                                                                                                                                                                    | <a href="https://www.senaite.com/">https://www.senaite.com/</a> and the <a href="#">GitHub page</a>                                      | SENAITE is developed as a system of independent add-ons maintained in a <a href="#">public GitHub account</a> .<br><br>• Meta package that builds SENAITE Health: <a href="#">SENAITE Health meta package</a> | Additional to SENAITE LIMS:<br><br>• <a href="#">Releases</a>              | The companies behind SENAITE<br><br>• <a href="#">Riding Bytes</a><br>• <a href="#">Naralabs</a><br><br>Community Communication<br><br>• <a href="#">Senaites Community forum</a><br>• <a href="#">Mailing List</a><br>• <a href="#">Gitter channel</a>     |

|             |                                                                                                                               |                                                                                                                                                                 |                                                                                      |  |                                                                                       |
|-------------|-------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|
| <b>VLMS</b> | <p>A simple, open source Sample Management System for Viral Load, EID and Covid-19 testing.</p> <p><b>Implemented In:</b></p> | <p><a href="https://slmta.org/covid19">https://slmta.org/covid19</a></p> <ul style="list-style-type: none"> <li>• <a href="#">Overview of System</a></li> </ul> | <p><a href="https://github.com/deforay/vism">https://github.com/deforay/vism</a></p> |  | <p><b>Steward</b></p> <p><a href="mailto:hello@deforay.com">hello@deforay.com</a></p> |
|-------------|-------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|