

# caLIMS II: A caBIG Compliant Laboratory Information Management System

*Bob Clifford<sup>1</sup>, Jenny Kelley<sup>1</sup>, Cu Nguyen<sup>1</sup>, Sashi Thangaraj<sup>2</sup>*

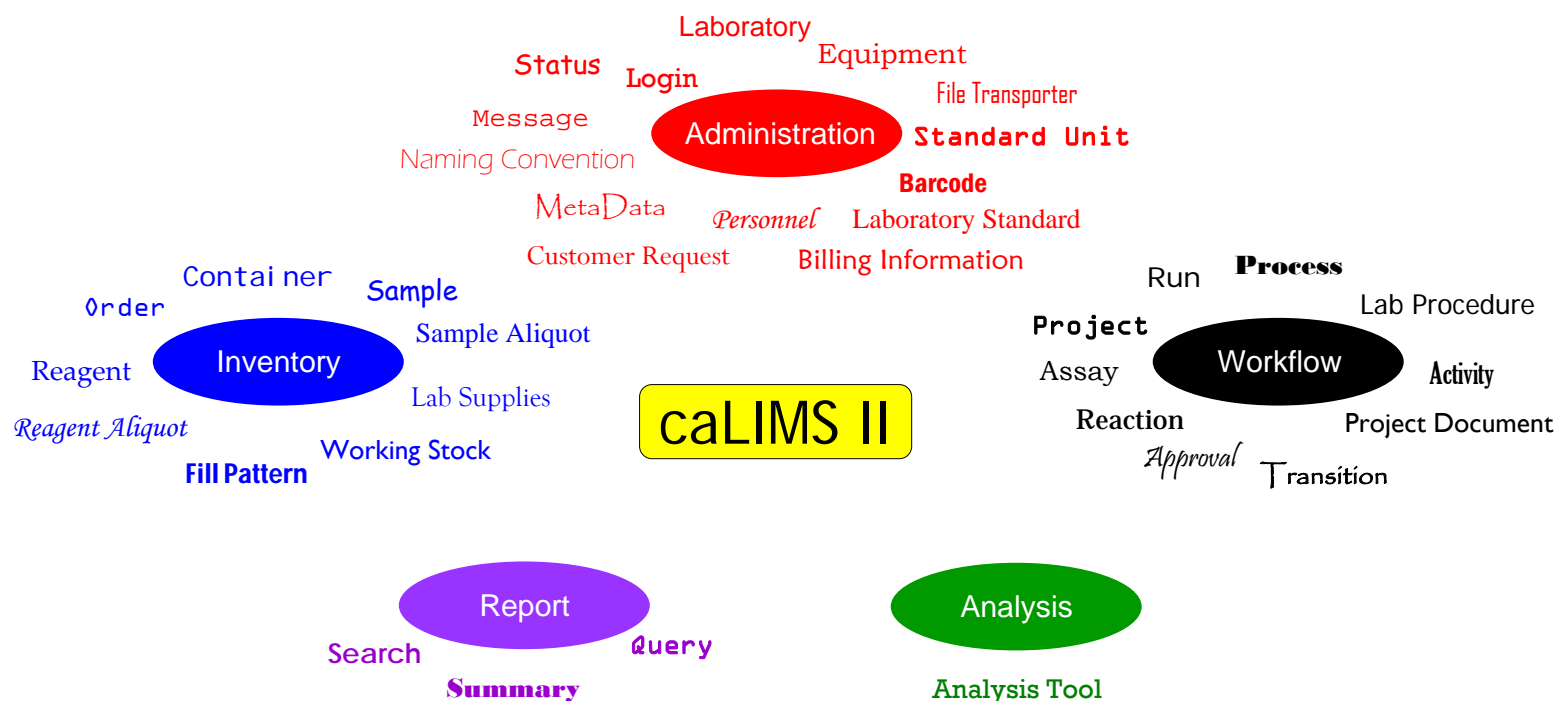
1) NCI Laboratory of Population Genetics, 2) Science Applications International Corporation

## Background

The purpose of the caLIMS II initiative is to create an open source, caBIG silver compliant Laboratory Information Management System. The application will feature model-driven service-based architecture, controlled vocabularies and well-defined APIs. The central focus of caLIMS II design is ease of customization, data acquisition and integration with laboratory equipment, analytical tools and data sources. caLIMS II will be highly flexible, making it suitable for use by research labs, high throughput core facilities and public health labs. caLIMS II builds on concepts used in lpgLIMS 1.3, LMT-LIMS and caNanoLab.

## Core Components

The caLIMS II application will be built around five basic modules: administration, inventory, workflow, report and analysis. Security for caLIMS II will be provided by the NCICB's Common Security Module.



## Learn More

All documents associated with the caLIMS II project are available for download from the NCICB gForge site (<http://gforge.nci.nih.gov/projects/calims2>). Project documents include use case diagrams in Unified Markup Language format, HTML versions of the use case diagrams, and detailed descriptions of use cases in Microsoft Word format. We welcome input from the community (NCI-LIMS-CONSORTIUM@list.nih.gov) and are very interested in additional partners!

## The caLIMS II Team

### NCI Laboratory of Population Genetics

Bob Clifford  
Jenny Kelley  
Cu Nguyen

### NCI Center for Bioinformatics

Anand Basu

### Arizona University

Nirav Merchant  
Dave Thompson

### Science Applications International Corporation

Sashi Thangaraj  
Sharon Settnek  
Sue Pan  
Jennifer Zeng

### NCI Frederick Laboratory of Molecular Technology

Bob Stevens  
Jin Chen