

LBLN Earned Value Management System Overview

Jim Krupnick, PMP
Laboratory Project Management Officer



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Topics

- Background
- Organization
- Laboratory Project Management Officer Charter
- LBNL EVMS Stewardship
- EVMS Description
- Future Plans



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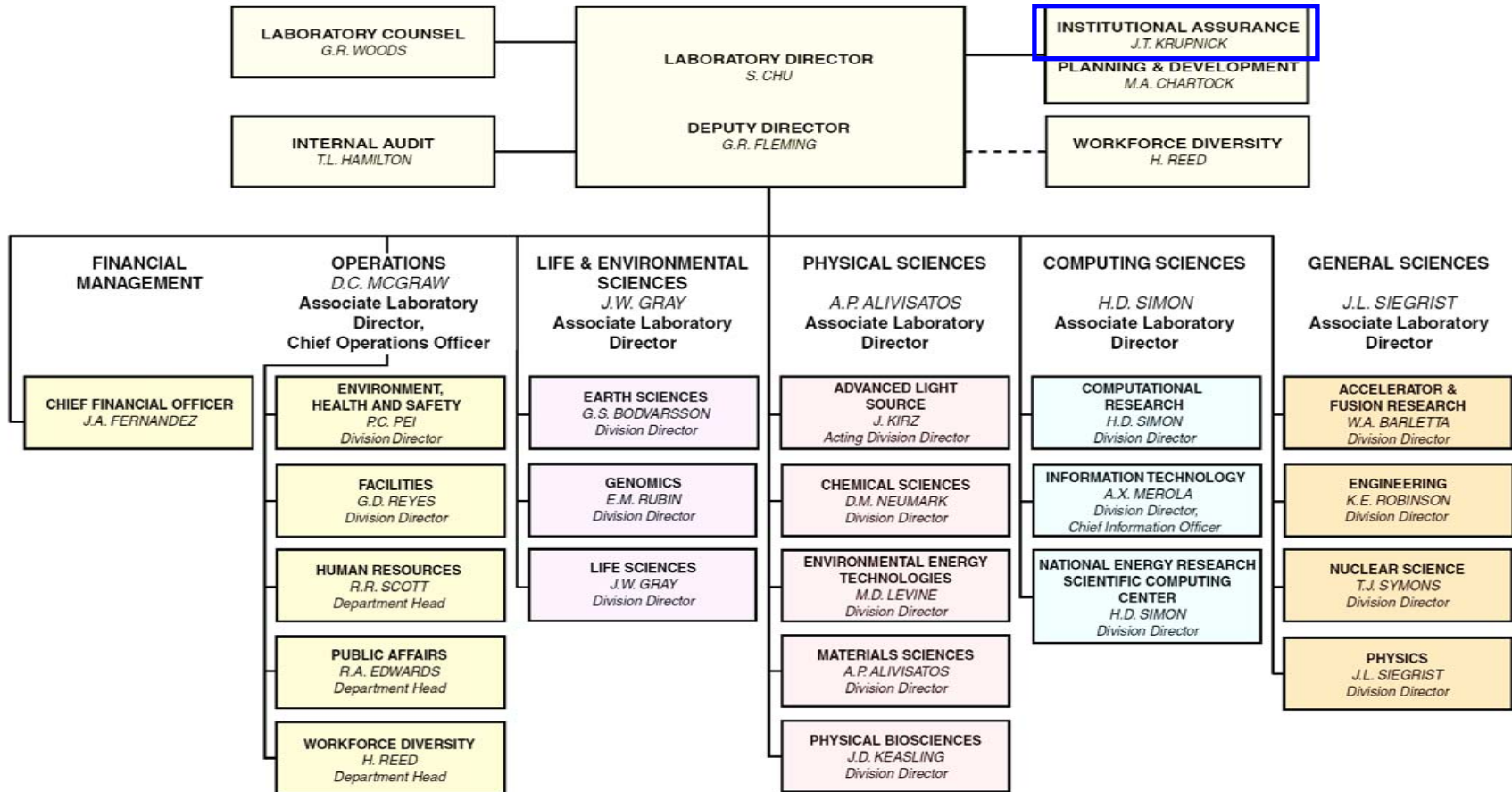
LPMO Background

- 29 years of service at LBNL
- 25 years in project management
- Project Controls Manager, Advanced Light Source Project
- Project Manager, Superbend & HHMI Beamline Projects
- Project Director, Molecular Foundry Project
- Laboratory Project Management Officer (as of June 1)



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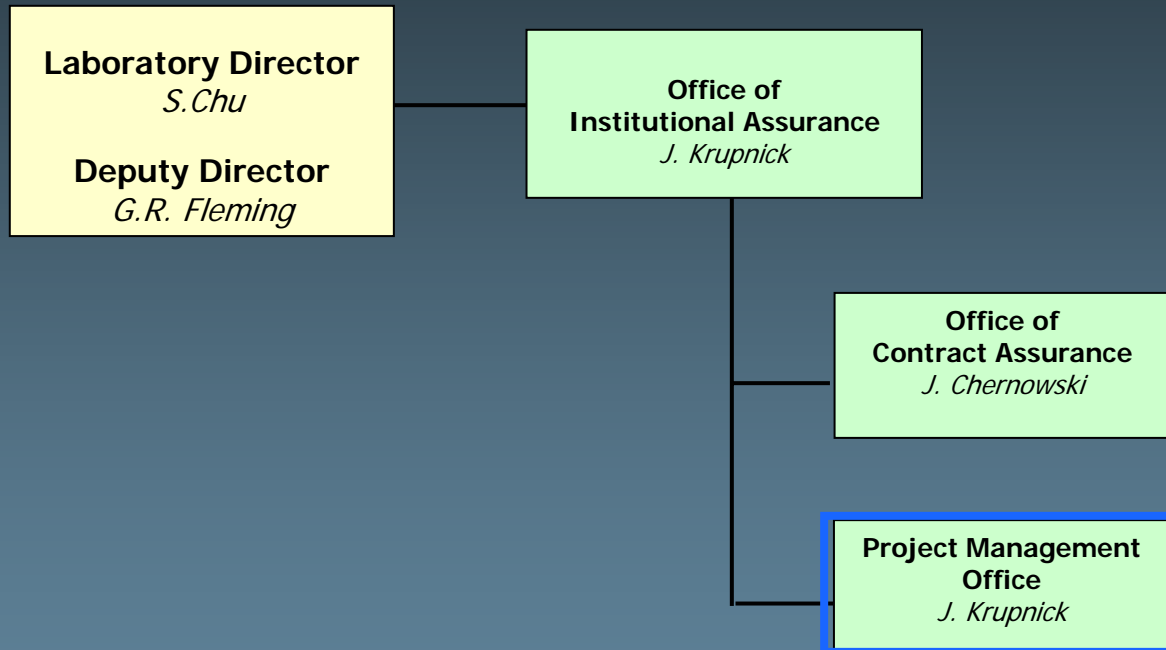


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Office of Institutional Assurance



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Project Management Office (from charter)

....is responsible for the disciplined implementation of the Laboratory's proposal, project and quality processes.

Project Management (PMO) ensures the quality and success of LBNL projects by performing initial project vetting, conducting periodic internal project status reviews, and training personnel in project management and quality assurance procedures, policies, and standards.



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My Goal

Standardized, but graded approach to EVMS and project management across the laboratory, including technical/scientific, conventional construction, IT, and financial projects.



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Charter details

- Briefs senior Laboratory management on the status of selected projects.
- Maintains roster of LBNL project management personnel (project managers, project controls specialists, project administrators, etc.) and their specialties
- Responsible for the LBNL Earned Value Management System (EVMS) implementation, maintenance, and certification status.
- Develops and maintains database of LBNL projects and historical project information.
- Advises Laboratory Management on project management policy issues.



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EVMS Stewardship

Approves LBNL-EVMS Description

Responsible for EVMS configuration management

Provides “LBNL certification” of EVMS use on projects

Performs annual surveillance of each project’s EVMS use

Prepares annual EVMS self-assessment report

Ensures continuous improvement of LBNL’s EVMS



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LBLN EVMS SYSTEM DESCRIPTION

- Complies with ANSI/EIA 748-1998 Guidelines
- Suited to the needs of LBNL
- Provides thorough planning of all work scope
- Integration of scope, schedule, and cost objectives
- Timely baseline establishment and control
- Objective measurement of accomplishment against plan
- Disciplined, summarized reporting
- Analysis of significant variances, forecasted impacts, and management actions to mitigate risk



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- Goal is deployment of a cost-effective system that provides LBNL management with an effective tool for decision-making.



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An EVMS suited to the needs of LBNL

- Sensible approach to meeting intent of guidelines
- EVMS augmented with LBNL practices
 - Informal communications
 - Daily meetings between Project Director & Project Manager
 - Twice weekly meetings with Federal Project Director
 - Weekly interactions with program representatives
 - Internal design reviews
 - Quality walks
 - Robust surveillance program



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LBNL Projects Undergo Continuous Surveillance

- Project Critical Decision-2 Review (EIR - OECM)
- Project Critical Decision-3 Review (SC 1.3)
- Weekly Updates (Federal Project Director)
- Bi-weekly Updates (DOE Site Office Manager)
- Monthly Project Updates (ALD for Operations)
- Bi-monthly Updates (LBNL Director, Deputy Director)
- Quarterly Project Reviews (DOE Acquisition Executive, OECM)
- Semi-annual Reviews (SC 1.3)



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We have taken full advantage of the certification process

Great opportunity to increase level of EVMS expertise throughout the LBNL

- Development of EVMS description
- Procedure writing and review
- Formal training sessions

A significant number of LBNL staff throughout the Laboratory are now up-to-speed and able to apply LBNL EVMS to upcoming projects.

Our goal is application of EVMS to projects site-wide.



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Future Candidate Projects

- TEAM Project
- Bevatron and B51 D&D
- Computational Research and Theory Facility
- Physics/Nanoscience Facility
- User Support Building
- SNAP Project
- Helios Project



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Project Overview

Joe Harkins - Foundry Project Manager

Conventional Facilities CAM

Jim Bustillo – Foundry Associate Director

Technical Equipment CAM

