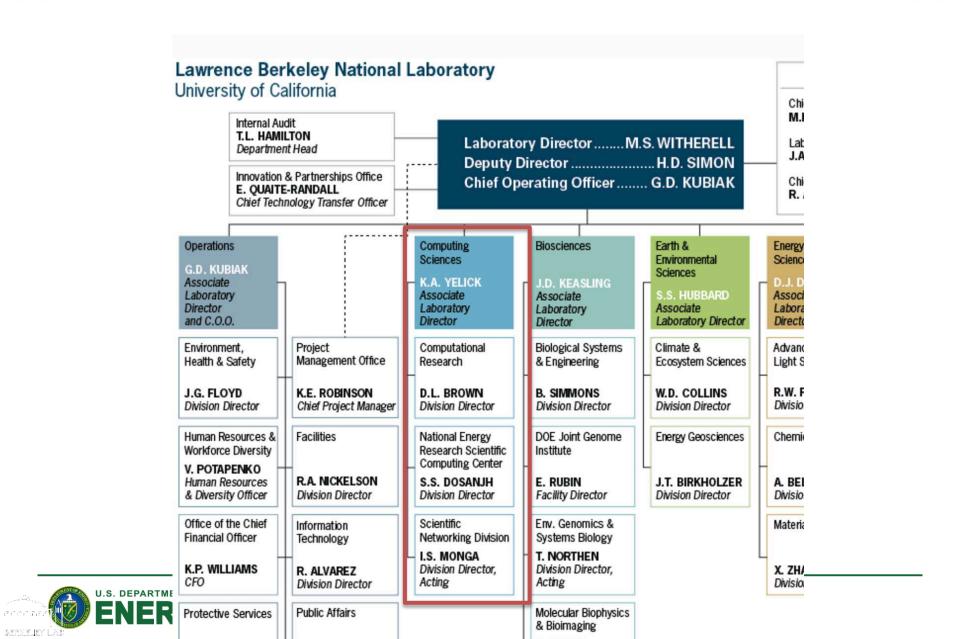


The Computational Research Leadership Council (CRLC)

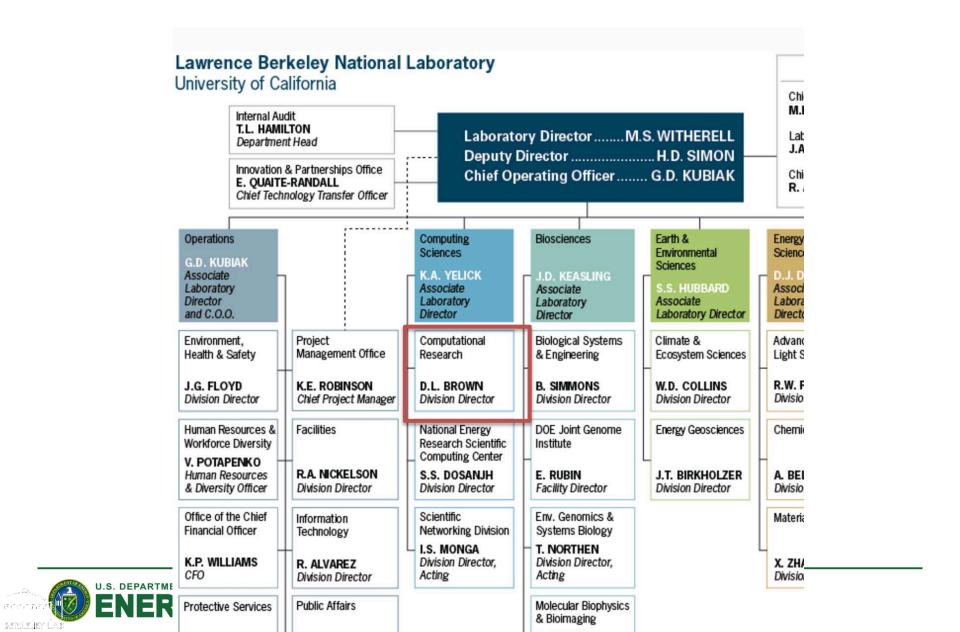
David Brown
Lawrence Berkeley National Laboratory
ASCAC, April 5, 2016



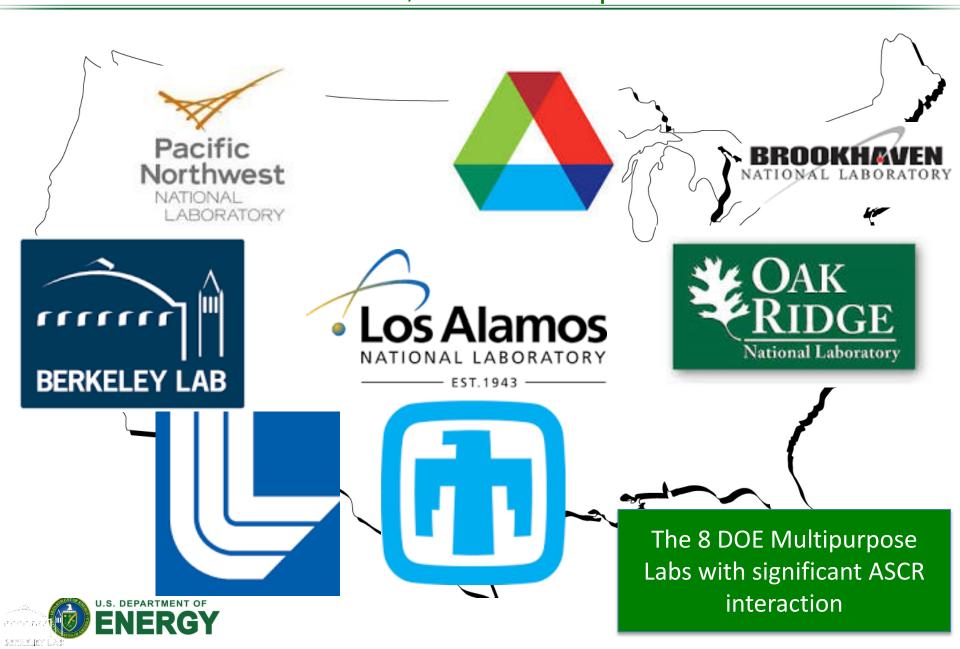
Each of the 8 DOE Multipurpose Laboratories has a Computing organization



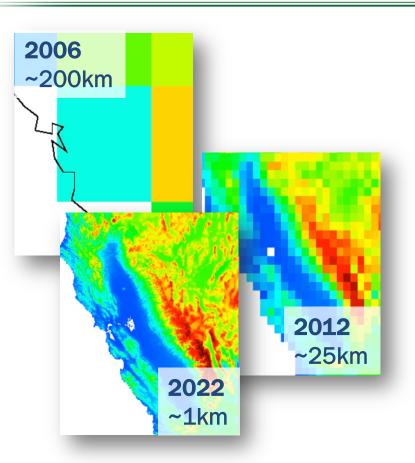
Within the Computing organization is a Research Division

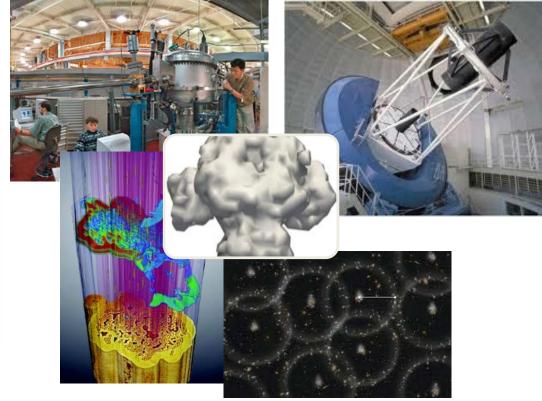


Our research divisions represent a significant national investment and resource in math, CS and computational science



Today, Math and Computing play an essential role in all areas of Science





- Scientific understanding increasingly enhanced by high-fidelity modeling and simulation
- Math and computing transforms experimental and observational data to scientific understanding



Our Research Divisions have significant areas of common interest

- We develop and maintain research programs and a skilled workforce to support DOE's computing and applied math needs
- We are significant stakeholders in
 - ASCR Research Program
 - Exascale Computing Program
- Management and Funding Model changes associated with start up of ECP represent a challenge for all of our Divisions

The Computational Research Leadership Council (CRLC) was formed in January 2016



Purpose of the CRLC

- Identify and address issues of common interest to the CRDs
 - Workforce development recruitment, retention, diversity
 - Research roadmaps
 - Major initiatives
 - Workshops
 - Collaborations
- Represent these interests to major stakeholders
- Work in partnership with stakeholders on major initiatives
 - ASCR Research Roadmap
 - Exascale Computing Program Lab Leadership



CRLC Charter

- "Address current and future issues of common interest to the [Lab] Computing Research organizations and represent ... to relevant stakeholders"
- Members appointed and reconfirmed by the Associate Lab Directors for Computing (or their equivalent) annually – 1 per lab
- Chairmanship rotates annually through the Labs alphabetically
- Meetings
 - Initial Meeting January 11, 2016, Albuquerque
 - Plan ~2 face-to-face meetings per year
 - Weekly telecons include other ASCR POCs at the Labs
- CRLC may establish subcommittees



We are meeting with ASCR Research Leadership to contribute to developing a **Long Range Plan** for the Research Program

- Bill Harrod (Research Director)
 - Steve Lee, Applied mathematics
 - Lucy Nowell, Computer Science
 - Rich Carlson, Next Generation Networking for Science
 - Ceren Susut, Partnerships
- February 2, 2016: Washington DC initial meeting
- March 28, 29: Washington and Rockville
- March 31: "Deep Dive" on Convergence of HPC and Data Intensive Science
- Regular bi-weekly telecons



We have also been meeting regularly with the **ECP** Lab Leadership

- January 12, 2016 Albuquerque, NM (by telecon)
- January 28, 2016 Rockville, MD
- February 22, 2016 Argonne National Lab
- March 29, 2016 Rockville, MD

Topics:

- Keeping communication lines open between ECP management and the Lab Research Divisions
- Identify Lab capabilities relevant to ECP Software Technology
- Review of ECP Software Technology White Papers





The Computational Research Leadership Council (CRLC)

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