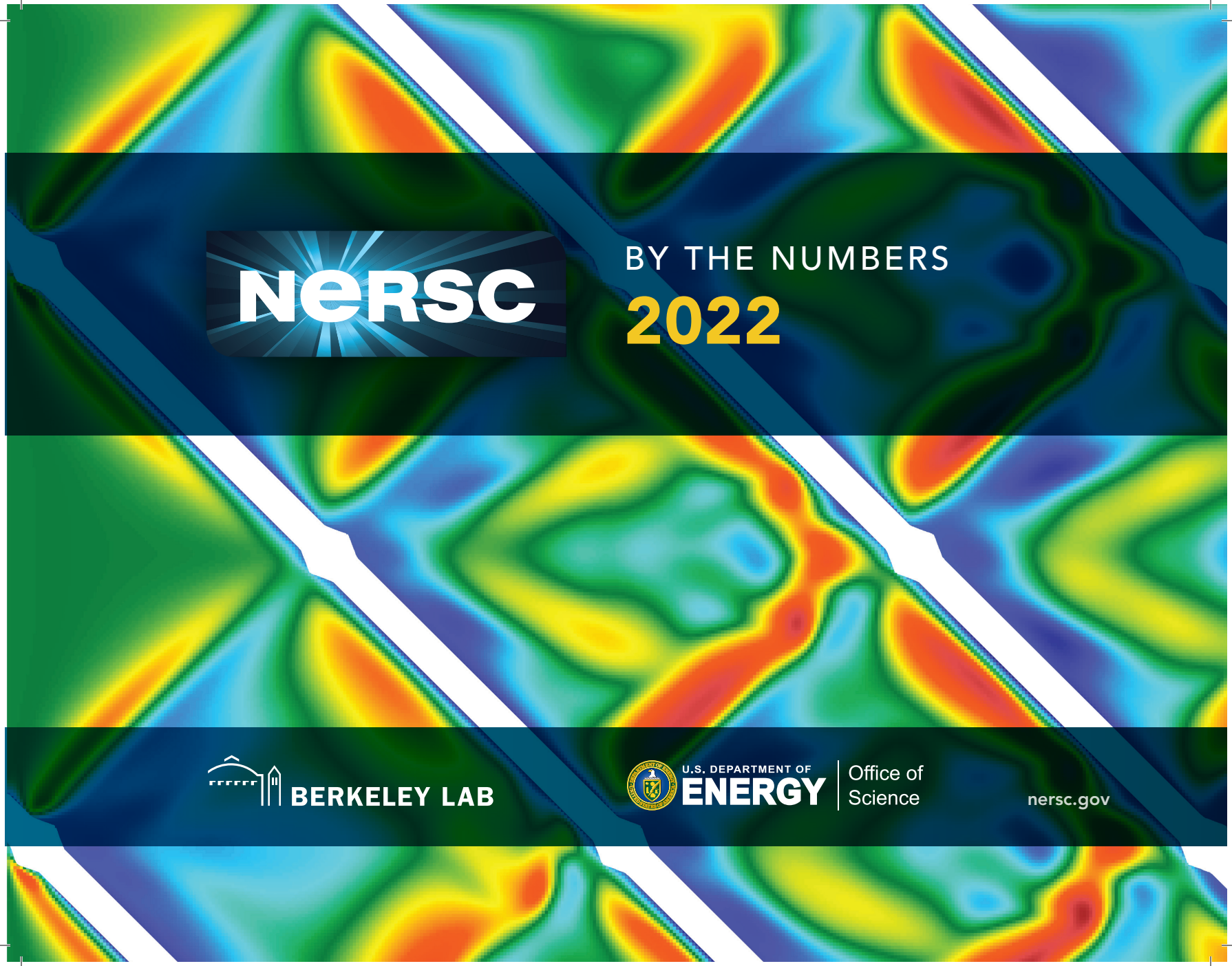

NERSC
BY THE NUMBERS
2022
BERKELEY LAB
U.S. DEPARTMENT OF
ENERGY
Office of
Science
nersc.gov

2022 NERSC USERS ACROSS US AND WORLD

50
States, Washington D.C. & Puerto Rico

53
Countries

~10,000 Annual Users from ~800 Institutions + National Labs

32% Graduate Students

19% Postdoctoral Fellows

15% Staff Scientists

13% University Faculty

8% Undergraduate Students

5% Professional Staff

60% Universities

29% DOE Labs

5% Other Government Labs

4% Industry

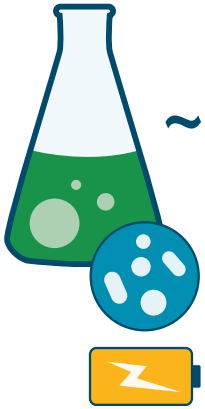
1% Small Businesses

<1% Private Labs

Top Science Disciplines

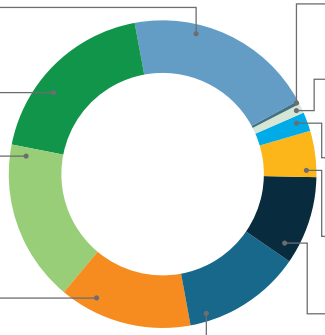
(By computational hours used)

Chemical Sciences
Nuclear Physics
Fusion Energy
Scientific User Facilities
High Energy Physics
Biosciences
Geosciences
Small Business Innovation Research
Materials Sciences
Plasma Science
Climate and Environmental Science
Biological Systems Science



~1,000
Projects

Breakdown of Compute Used by DOE Program



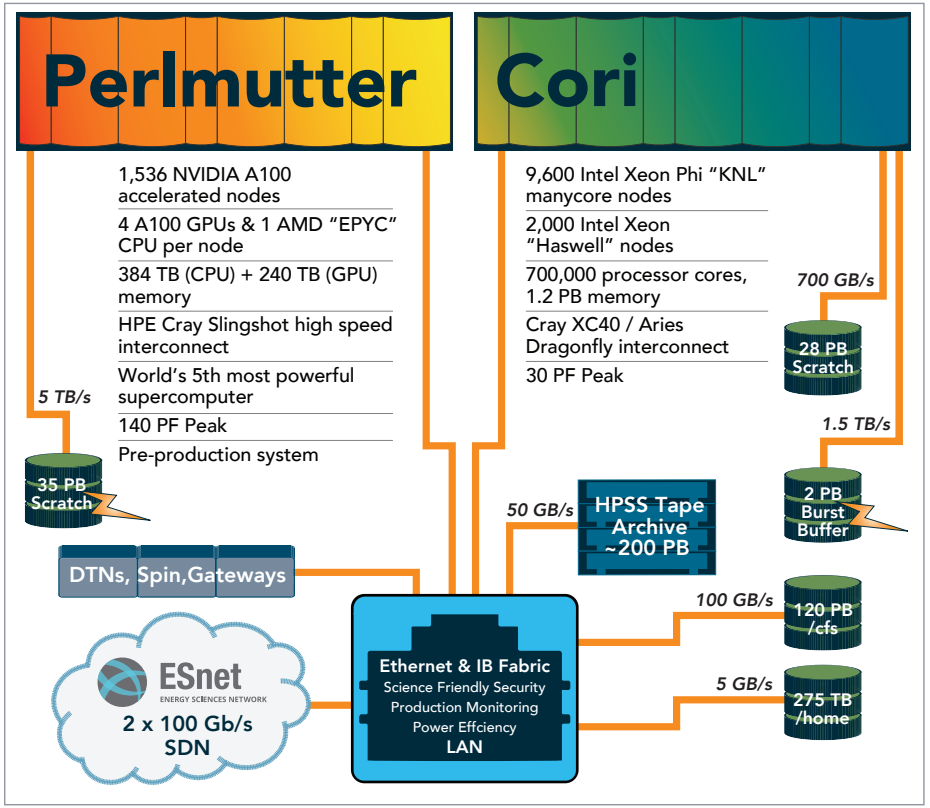
- **20%** High Energy Physics
- **19%** Materials Sciences
- **17%** Chemical Sciences, Geosciences, and Biosciences
- **14%** Fusion Energy and Plasma Science
- **13%** Nuclear Physics
- **<1%** Small Business Innovation Research Program
- **1%** Scientific User Facilities – Basic Energy Sciences
- **2%** Biological Systems Science
- **5%** Advanced Scientific Computing Research
- **10%** Earth and Environmental Systems

110
MILLION
COMPUTE HOURS USED IN 2022

>2,000
Refereed Publications cited NERSC

Data Stored
382
Petabytes

NERSC Systems 2022



TOP 5 DOE Labs by Users

- Oak Ridge National Laboratory
- Los Alamos National Laboratory
- Lawrence Livermore National Laboratory
- Pacific Northwest National Laboratory
- Argonne National Laboratory

TOP 5 Universities by Users

- Berkeley University of California
- Stanford University
- University of Michigan
- Massachusetts Institute of Technology
- Carnegie Mellon University
- University of Washington