



# National laboratories in the us

How many national laboratories are there?

The Department of Energy's 17 National Laboratories are powerhouses of science and technology. The National Laboratories are committed to advancing Science, Technology, Engineering, and Mathematics (STEM) in our nation's schools.

Why do we have 17 National Laboratories?

The U.S. Department of Energy's 17 National Laboratories lead the nation in advancing the frontiers of scientific knowledge, keeping our nation secure, and fueling our clean energy economy. The innovation at the heart of the Laboratories' past and future success benefits from the fusion of diverse talents and inclusive perspectives.

Do you know the National Labs?

Many people live very close to one of the Energy Department's 17 National Labs and don't even know it. After checking out our new National Labs map, you won't be one of these people. The National Labs are charged with developing science and technology to further our nation's energy sector, and conducting research that spurs greater innovation.

What does the national labs do?

At the National Labs, researchers are developing new energy technologies, advancing the frontiers of scientific discovery, protecting national security, incubating new industries, and fostering the next generation of scientists and engineers - strengthening America's global leadership in science and innovation.

Why is the National Laboratories important?

An outgrowth of immense investment in scientific research initiated by the U.S. Government during World War II, the National Laboratories have served as the leading institutions for scientific innovation in the United States for more than seventy years.

How are the 17 National Laboratories transforming science and Technology?

The transformative science and technology solutions being discovered across the 17 National Laboratories are changing the way the world sees innovation. The Department of Energy's 17 National Laboratories are powerhouses of science and technology whose researchers tackle some of the world's toughest challenges.

The National Laboratories are committed to advancing Science, Technology, Engineering, and Mathematics (STEM) in our nation's schools. The National Laboratories are a diverse and inclusive career destination for the next generation of scientists and engineers aspiring to make an impact through their research.

4 days ago; The International Space Station (ISS) National Laboratory. Solving some of the world's most pressing challenges through space-based research. Where? In space. Low Earth orbit (Abbreviation:



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LEO) The orbit around the Earth that extends up to an altitude of 2,000 km (1,200 miles) from Earth's surface. The International Space Station's orbit ...

Government Institutions Research Rankings - United States 2024. ... Oak Ridge National Laboratory: USA: 10 (423) Argonne National Laboratory \* USA: 11 (425) Smithsonian Institution \* USA: 12 (503) National Radio Astronomy Observatory Charlottesville: USA: 13 (555) NASA Goddard Space Flight Center: USA:

Read about some of the ways the National Laboratories have changed and improved the lives of millions of people for more than 75 years. ... Brought the web to the United States . National Lab scientists, seeking to share particle physics information, were first to install a web server in North America, kick-starting the development of the ...

The Department of Energy's National Laboratories offer jobs, internships and fellowships to talented individuals. Many also have educational resources from community outreach programs to online learning modules. Visit the National Labs' jobs and internship/education pages to explore the outstanding opportunities available across one of the most productive and sophisticated ...

Los Alamos National Laboratory (often shortened as Los Alamos and LANL) is one of the sixteen research and development laboratories of the United States Department of Energy (DOE), located a short distance northwest of Santa Fe, New Mexico, in the American southwest st known for its central role in helping develop the first atomic bomb, LANL is one of the world's largest and ...

Argonne is a multidisciplinary science and engineering research center, where scientists and engineers answer questions, from how to obtain affordable clean energy to protecting ourselves and our environment. The laboratory works in concert with universities, industry, and other national laboratories to discover new ways to develop energy innovations through science, ...

ORNL provides access to unique facilities, laboratories, and equipment, drawing thousands of visiting researchers each year. A vibrant and welcoming scientific community, ORNL embraces the pursuit of innovative ideas and invests in its ...

Sandia is a national security laboratory operated for the U.S. Department of Energy by the Sandia Corporation, a Lockheed Martin Co. They design all non-nuclear components for the nation's nuclear weapons, perform a wide variety of energy research and development projects, and work on assignments that respond to national security threats ...

Diagnostic Microbiology Laboratory (DML) National Wildlife Health Center: Wisconsin: Diagnostic Parasitology Laboratory (DPL) National Wildlife Health Center: Wisconsin: Diagnostic Virology Laboratory (DVL) National Wildlife Health Center: Wisconsin: Earth Systems Biogeochemistry Laboratory: Geosciences and Environmental Change Science Center ...



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The US National Labs will continue to play a crucial role in developing energy science and technology, yet their operation is not without its problems. Anadon et al. discuss the challenges faced ...

At Lawrence Livermore National Laboratory, the realm of what's possible is only bounded by the questions we're willing to ask. Our multidisciplinary teams pursue big ideas using innovative science and technology to meet our national security mission and make the world a better place.

The National Laboratories have been improving lives for more than 80 years. From innovations in energy technologies and sustainable building design to medical discoveries and improved national security, National Laboratory scientists and engineers are inventing solutions that make America and the world safer, healthier, and more sustainable.

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The Department of Energy's National Labs are the crown jewels of science in America. But their work is so diverse that it's hard to cover all 17 of them in one podcast episode. So naturally, Direct Current took on that challenge. ... And they keep us safe, through research that defends us from terrorism and keeps our nuclear stockpile ...

Overview  
The laboratories and their research mission  
National Scientific User Facilities  
History  
In popular culture  
Further reading  
External links  
The United States Department of Energy National Laboratories and Technology Centers is a system of laboratories overseen by the United States Department of Energy (DOE) for scientific and technological research. The primary mission of the DOE national laboratories is to conduct research and development (R& D) addressing national priorities: energy and climate, the environment, national security

Work with Us  
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The National Laboratory System. The national laboratory system is comprised of 17 of the country's top scientific research facilities. The laboratories are owned by the U.S. Department of Energy and house many of the world's top scientists and engineers, as well as unique equipment, some of which is unmatched anywhere else in the world.

The National Laboratories have served as the leading institutions for scientific innovation in the United States for more than 60 years. **VIEW MORE** Supercomputing and Exascale Supercomputers are used to model and simulate complex, dynamic systems that would be too expensive, impractical or impossible with other systems. ...



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The Office of National Laboratories (ONL) sustains and expands a coordinated network of DHS national laboratories and Department of Energy national laboratories and other federal centers to help deliver critical homeland capabilities. ONL coordinates and aligns with all Science and Technology Directorate (S& T) technical divisions to coordinate activities ...

The National Laboratories offer a wide range of jobs, internships, and fellowships in scores of scientific and engineering disciplines. The Laboratories are also invested in career growth, offering multiple opportunities for upward mobility through mentoring, leadership training, and rotational/temporary assignments....

Pacific Northwest National Laboratory is a leading center for scientific discovery in chemistry, data analytics, and Earth science, and for technological innovation in sustainable energy and national security. Latest News . NOVEMBER 4, 2024. LabSigns Project Brings New Scientific Terms to American Sign Language.

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**THE LAB DIRECTORS** The head of each independent National Laboratory is the Laboratory Director. Together, the Directors form the National Laboratory Directors' Council (NLDC), an independent body that coordinates initiatives and advises the Department of Energy and other Laboratory stakeholders. THE...

Exceptional service in the national interest Our unique responsibilities in the nuclear weapons program create a foundation from which we leverage capabilities, enabling us to solve complex national security problems. National Priorities We strive to become the laboratory that the U.S. turns to first for technology solutions to the most challenging problems that threaten peace [...]

The National Renewable Energy Laboratory (NREL) is transforming energy through research, development, commercialization, and deployment of renewable energy and energy efficiency technologies. Partner with us to accelerate the ...

For 75 years, the National Laboratories have delivered tremendous scientific and technological impact against the United States' greatest national needs. Today, as America faces ever more pressing challenges of enormous ...

From Business Wire, March 22, 2021: On World Water Day 2021, the University of Chicago, Argonne National Laboratory, and Fermi National Accelerator Laboratory highlight Chicago and the greater Midwest as a hub for water innovation. The girls in ...



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