

Critical Materials Collaborative (CMC)

Forming Connections Across the Critical Materials Innovation Ecosystem

Overview



The CMC connects DOE's critical minerals and materials portfolio with industry and beyond, supporting real-world innovation through each stage of the research, development, and demonstration (RD&D) pipeline.

Mission

The CMC is dedicated to accelerating DOE's critical materials applied RD&D efforts, with the aim of advancing domestic clean energy manufacturing, addressing climate challenges, supporting the energy transition, and strengthening national security. This mission is achieved by:



Building a robust **innovation ecosystem**



Training the **critical materials leaders** and workforce across multiple sectors



Enabling **industry adoption** of novel, cutting-edge technology



Laying the **scientific and technological groundwork** needed to address emerging challenges

Members

The CMC is comprised of several sponsoring **DOE program offices** and will expand to include other **Federal agencies** and **RD&D awardees** funded through the CMC. The CMC also partners with the [Critical Materials Innovation Hub \(CMI\)](#), a multi-institutional, multi-disciplinary consortium, which plays a central role in the CMC as an innovation engine.

Collaborative Roots

Critical materials are vital to the clean energy transition.

DOE completed its first **Critical Materials Strategy**, building off decades of basic materials research, catalyzing 10+ years of basic and applied critical materials RD&D at all supply chain stages.

The CMI Hub formed, previously known as the “Critical Materials Institute”, which has been addressing critical materials challenges for a decade.

The Energy Act of 2020 authorized the DOE Critical Materials Program to **expand critical materials work** to include commercial deployment and to create what would become the CMC.

The Bipartisan Infrastructure Law and the Inflation Reduction Act supercharged DOE’s efforts by **investing more than \$8 billion toward critical materials projects**.

DOE created the CMC to align RD&D across the government, industry, and the research community, connecting innovation to basic science discovery and commercialization.

2010

2013

2020

2020

2023

Funding Opportunities

Interested parties outside of the U.S. government can join through CMC funding opportunities—this is how the CMC will grow.

The CMC coordinates DOE RD&D programs by championing investments and funding opportunities across the innovation pipeline. This forms the basis of the CMC membership.

Funding opportunities will continually be announced on the [CMC website](#).

Get Involved



Connect with us on the CMC website

www.energy.gov/cmm/critical-materials-collaborative



Learn more about DOE’s Critical Materials Program

www.energy.gov/cmm/critical-minerals-materials-program



Reach Out with questions, comments, and engagement inquiries

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