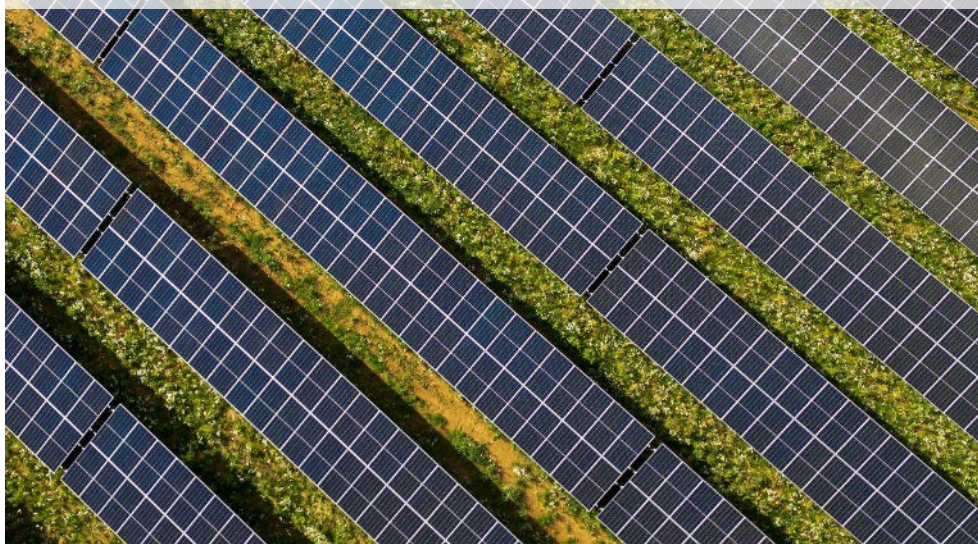




MINERALS, ENERGY, CLIMATE & SUSTAINABLE DEVELOPMENT

2026 Online Executive Training Program



The Executive Training on Minerals, Energy, Climate, and Sustainable Development (MECSD) is a program designed to equip participants with the necessary skills to ensure that critical mineral and renewable energy resources contribute to sustainable development in developing economies and support the achievement of climate goals.

Format:

Virtual Delivery
Expert Course Lectures
Peer-to-Peer Sharing
Tailored Resources

Designed for:

Government Officials
Civil Society Representatives
Industry Stakeholders

ccsi.columbia.edu/mecsd

 COLUMBIA CLIMATE SCHOOL
COLUMBIA CENTER ON
**SUSTAINABLE
INVESTMENT**



Decarbonized energy systems and economies require mineral-intensive technologies. As demand for critical energy transition minerals and metals increases, investments in mineral and industrial value chains and in the development and deployment of renewable energy systems can be a springboard for sustainable development in resource-rich developing economies. At the same time, efforts to tap their extensive potential benefits must be accompanied by measures to address their often-significant impacts on communities, land use, nature, and greenhouse gas emissions, and to ensure that they generate social and environmental co-benefits.

To leverage mineral and renewable energy resources for sustainable development and climate action, countries face challenges related to the need for a robust and implementable planning, policy, and legal framework; infrastructure design and regulation; value addition; and environmental protection. Achieving climate change mitigation, adaptation, and resilience goals requires policy and finance for mines, downstream industries, and energy systems; the responsible and increasingly circular supply of critical minerals for renewable energy technologies; the coordinated deployment of renewable energy systems; and just transitions away from fossil fuels.

Who Should Attend

The program is designed for mid-level public sector officials from national and regional organizations and civil society representatives from resource-rich developing countries whose responsibilities relate to the development or management of critical mineral, industrial, and renewable energy value chains. A select number of representatives from the private sector and development agencies may also be admitted.

Time & Location

9.00-11.30 am EDT, Online

Dates

June 1-12, 2026 (weekdays only)
2 weeks, 10 instructional days

Format

Asynchronous preparatory material and interactive (live) online sessions

ccsi.columbia.edu/mecsd

Topics

Each day in the two-week course will focus on a key theme for climate action and sustainable development in mineral and renewable energy value chains, covering various interrelated areas:

Class	Topic
1	Introduction
2	Climate Policy
3	Energy Decarbonization
4	Circular Economy
5	Decarbonization of Mineral Value Chains
6	Linkages & Shared-Use Infrastructure
7	Community & Political Economy
8	Nature
9	Finance
10	Legal Frameworks

Selected Faculty

The course draws on faculty from CCSI's global and diverse team on specific topics related to their expertise. **Instructors include:**

Perrine Toledano, Director of Research and Policy

Martin Dietrich Brauch, Lead Researcher

Lara Fornabaio, Lead Researcher

Laura Garcia Cancino, Senior Legal Researcher

Esther Akwii, Senior Legal Researcher

Ana Maria Camelo Vega, Senior Economics & Finance Researcher

Ladan Mehranvar, Senior Legal Researcher

Hansika Agrawal, Legal Researcher

Brad Willis, Senior Associate

Leila Kazemi, Political Economist and Senior Fellow

Resources Recommended by CCSI on Other Sectors and Topics

The MECSD program builds on the success of 13 editions (2012–2025) of the Executive Training on Extractive Industries and Sustainable Development (EISD) and the CCSI Massive Open Online Course (MOOC) [Mining and Materials for Sustainable Development Transformations](#). Participants interested in the oil and gas sector or in broader mining governance topics not covered by MECSD—such as fiscal regime design and revenue collection, revenue management, and artisanal and small-scale mining (ASM)—are encouraged to register for the free self-paced MOOC [Natural Resources for Sustainable Development: The Fundamentals of Oil, Gas, and Mining Governance](#) or contact us about a bespoke training.

Fee

A \$1,500 program fee is required from all accepted participants, with a limited number of partial or full scholarships available for candidates from low-income countries or civil society organizations.

Images: Unsplash
Cover: Dion Beetson
| p. 3: Hector Brasil

