



# Unlocking the transformative power of Climate Change Education

Climate change education is emerging as a cornerstone for effective adaptation strategies, the development of green skills, and the creation of new employment opportunities. It plays a pivotal role in advancing a just and inclusive transition worldwide.

In the run-up to COP30 in Brazil, Siemens Stiftung together with the Office for Climate Education (OCE, UNESCO Center) are convening the Strategic Roundtable “Unlocking the transformative power of climate change

education” during New York Climate Week 2025 to bring forward concrete perspectives on the current state and potential of climate change education worldwide.

Drawing on unique and extensive international implementation experience, including multi-year programs in Latin America, Africa and Europe, OCE and Siemens Stiftung offer best practices on how to advance climate change education and unlock its transformative power.



## Opportunities at local and international level: Bridging the funding gap, paving the way for effective conditions

Education receives less than 2% of global climate finance (→ World Bank, 2024: “Choosing our Future”) and only 4.8% of climate-related philanthropic funding (→ OECD, 2025: “How Education Philanthropy Can Prepare a New Generation of Learners to Adapt and to Address”). Increasing funding is essential to improve climate change education in schools which is key to support climate resilience in society.

- Embedding education in national climate strategies (National Determined Contributions (NDCs), National Adaptation Plans (NAPs)) within the Paris Agreement framework to unlock new funding streams.
- Rooted in ground realities, co-creating Open Educational Resources (OER) with local communities allows for cost-effective and broader implementation.
- Invest in quality teacher’s professional development programs, communities of practice, and research to support capacity building efforts.
- Align with international standards and curricula (→ UNESCO: Greening Education Partnership) to implement quality climate change education, using active pedagogies to foster scientific understanding while also addressing the social dimensions.

- Support co-financing models that bring together climate, education, and development donors to scale integrated CCE programs. This includes building cross-sectoral alliances that collaborate long term in a given context (→ ALEC Final Report 2020-2024: “Latin America for Climate Change Education”).
- Support ongoing policy-practice dialogue to align educational innovation with national systems (→ Fondo Acción, 2022: “Regional Policy Dialogues on climate change education”).

Partnerships are key to overcome existing gaps in strengthening global education systems to grant access to evidence-based climate change education.

We are building a growing collection of resources to unlock the transformative power of climate change education including surveys, briefings, best practices, and presentations from New York Climate Week and other events.

If you wish to receive updates, scan here ↵



### OCE

At the heart of the Office for Climate Education (OCE) are openly licensed, contextualized educational resources (OER) that can be used and adapted worldwide. These are complemented by teacher training, conferences, and networking opportunities that strengthen the capacity of educators, education practitioners, and policymakers. At the same time, we support at high-level the integration of CCE in curricula and education policies. In this way, we create learning spaces that empower communities to actively and proactively respond to the challenges of the climate change. OCE also contributes to the production of knowledge through research and impact evaluation programs, to identify the most efficient education strategies in given contexts.

The Office for Climate Education’s materials are available as OER under Creative Commons license on the OCE website. Handouts for teachers, topic-specific websites, multimedia animations and videos explain the complex topic with different focuses. All materials were developed in collaboration with IPCC experts and are available in several languages: English, French, Spanish, and German.

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### Siemens Stiftung

The non-profit organization, Siemens Stiftung is committed to sustainable social development and focuses its international work on three key areas of action: Essential Services, Digitality and Climate. As climate change requires holistic solutions and a rethinking of established course of action, the foundation combines social and ecological aspects of sustainability and promotes innovative interventions that arise from local contexts.

Siemens Stiftung works internationally to strengthen climate change education (CCE) by connecting local practice with global knowledge exchange. In Latin America, Africa, and Europe, the foundation supports educators, institutions, and communities in co-developing context-sensitive approaches that foster climate change resilience, equitable access to education, and inclusive knowledge sharing. In close partnership with organizations such as the Office for Climate Education (OCE), Siemens Stiftung advocates for the systemic integration of CCE, linking active educational practice with policy engagement and regional cooperation. Through this work, the foundation contributes to building more resilient and future-ready education systems and communities in the face of the climate crisis.

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