

Interactive Course

Dates:

September 28 – October 2, 2020

March 15 – 19, 2021

Location:

Leipzig, Germany

Climate Change: School education for mitigation and adaptation

COURSE OBJECTIVES

The objective of this course is to make current scientific knowledge about climate change, its causes and effects available to education professionals in an accessible way. The course wants to enable the participants to confidently discuss climate change, integrate the acquired knowledge in their daily work and inform and inspire students to take action.

TARGET GROUP

This course is aimed at

- teachers and school staff (primary, secondary, vocational, adult and special needs education)
- staff of government and non-government organizations involved in education
- students who are interested in becoming teachers

Participants are required to have at least level B2 proficiency in the English language

COURSE CONTENTS

Climate change is the central theme of our course. In a first step, the participants learn about the basic components of the climate system. Based on this, we understand both the causes and the effects (global and regional) of climate change on us and our environment.

We will then discuss (i) how we can get active in our communities to mitigate human influence on the climate system, with a particular focus on the sectors

energy, mobility and agriculture and (ii) how we can build resilient communities that can adapt to the future effects of climate change.

COURSE METHODOLOGY

The course combines understandable inputs based on current climate research with interactive group discussions, digital learning and excursions. Participants will have the chance to exchange experiences in transnational groups and develop their own educational materials based on informative inputs. In addition, participants will gain access to a variety of well-organized digital and non-digital resources for practical application in their education work. Through the interactive and methodologically innovative course format, the participants will not only learn interesting facts and context knowledge but also gain inspiration for teaching methods. In addition, participants will have the opportunity to exchange experiences and network in an international group.

The course will be held in a hospitable environment with amenities such as access to WiFi and will include field trips and a cultural program. Participants will have the chance to visit an international research center and exchange with local initiatives of climate action. After class the various sights and cultural life of Leipzig, which has been dubbed the 'new Berlin', can be explored.

OUTCOMES

Our course will enable participants to

- confidently discuss the earth's climate system, the causes and effects of climate change
- distinguish between the key anthropogenic influences on the climate system such as energy generation, mobility and agriculture
- get in touch with alternative ideas for these key systems enabling human life
- create an inclusive learning environment for students that is up-to-date in terms of content and methods
- use appropriate digital and web-based tools with ease
- inspire students to become innovative actors of change in their region and personal environment
- be part of an international network of professionals

FOLLOW-UP

Upon completion of the course, participants will be part of a network which will provide opportunities to develop future partnerships and projects. They will be asked to share what they have learned they will be encouraged to share materials showing how they are using what they have learned in their everyday work in

terms of ideas, photos, videos, lesson plans, assessment and self-assessment forms, etc. This will create an open educational resource available to everyone else from the group.

COURSE PLAN*

	Monday	Tuesday	Wednesday	Thursday	Friday
09.00 – 09.25		Warm-Up & Recap	Warm-Up & Recap	Warm-Up & Recap	Warm-Up & Recap
09.25 – 09.30	Break	Break	Break	Break	Break
09.30 – 10.15	Introduction: Getting to know each other	The pathway between adaptation & mitigation	Energy generation and climate change	Industrial agriculture and climate change	Education laboratory: Developing tangible materials for school
10.15 – 10.30	Break	Break	Break	Break	Break
10.30 – 11.15	Introduction: Climate Change and ...	Climate change: effects in the regional context	Energy system alternatives	Industrial agriculture and climate change	Project laboratory: Brainstorming about future cooperation
11.15 – 11.30	Break	Break	Break	Break	Break
11.30 – 12.00	Contents/ Goals of the Course	Education laboratory: Developing tangible materials for school	Mobility: Status quo and alternatives	Field trip: Community-supported agriculture project	Reflection and Way Forward: What do we take with us?
12.00 – 13.00	Lunch Break	Lunch Break	Lunch Break	Lunch Break	Lunch Break
13.00 - 14.30	Causes and effects of climate change	Field trip: Environmental research center	Education laboratory: Developing tangible materials for school	Field trip: Community-supported agriculture project	
14.30 – 15.00	Check-out and time for questions				

* course plan is exemplary and may be subject to change