ERASMUS+ KA1 · TEACHER TRAINING COURSE

Building Climate Resilience and Sustainability Education

7 Days • Heraklion, Crete • OID: E10020547

About the course

Climate change is already affecting schools and communities across Europe. This course combines climate science, sustainability and practical tools: participants explore the climate crisis, pollution, circular economy and renewable energy, run hands-on climate experiments and discover how satellites, GIS and AI support climate resilience.

Using Crete as a living case study, participants learn about civil protection and support after a disaster, map the risks of their own region and design a climate action project for their school and community.

Course at a glance

Duration: 7 training days

Location: ErasmusLearn Training Center, Heraklion, Crete

Language: English (B1 or higher recommended)

Who it's for: Primary, secondary, VET and adult educators, school leaders, trainers

Level: Introductory, no climate science or GIS background needed

Certificate: Certificate of Attendance

Funding: Eligible for Erasmus+ KA1 (course fees)

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What you will learn

- Understand the climate crisis, its causes and impacts
- Link sustainability and the SDGs to everyday teaching
- Explain pollution, circular economy and renewable energy
- Run simple, low-cost climate science experiments
- Use satellite data, GIS maps and AI tools in climate education
- Prepare learners for natural hazards and emergencies
- Support learners' wellbeing after a crisis or disaster
- Design a climate action project for your school and community

How you will learn

Interactive presentations, hands-on experiments, digital mapping workshops, case studies from Crete and other European regions, group work and reflection. Participants map the risks of their own region and leave with a ready-to-use climate project. Tools: GIS and satellite platforms, AI tools, low-cost experiment kits and collaborative platforms.

Course language

English. B1 level or higher is recommended. Practical, hands-on activities make it easy for everyone to take part with confidence.

What's included

- Coffee Breaks that include traditional products.
- Guided tour of the Historical Center of the town.
- Dinner in a traditional restaurant in the town.
- Europass Mobility.
- A small gift with traditional Cretan products.
- Certificate of Attendance, for participants who attend at least 80% of the course.

Course Agenda

DAY 1 · Welcome & Orientation

- Welcome, practical arrangements and course timetable
- Presentation of participating organisations
- Icebreakers and introduction to the course

DAY 2 · Understanding the Climate Crisis

- Climate change today: causes and impacts
- Sustainability, SDGs and international climate agreements
- Natural hazards, vulnerability and climate resilience
- Workshop: mapping the risks of your own region

DAY 3 · Pollution, Circular Economy & Energy

- Environmental pollution: measuring our impact
- Circular economy and waste management
- Renewable energy and energy communities
- Classroom activities for a low-waste, green school
- Included: guided cultural tour of the historical centre of Heraklion
- Included: dinner at a traditional Cretan restaurant

DAY 4 · Digital Tools for Climate Resilience

- Satellites and space technology in disaster management
- GIS and mapping tools for climate data
- AI for climate resilience: from prediction to education

DAY 5 · From Preparedness to Action

- Civil protection, preparedness and public awareness
- Crisis communication and psychological support
- From knowledge to action: your school climate project

DAY 6 · Green STEAM: Climate Experiments

- Greenhouse effect and emissions: hands-on experiments
- Ocean and coastal challenges: science on the beach
- Atmospheric dynamics and an ecosystem in a bottle
- Gamifying sustainability: a science escape room

DAY 7 · Next Steps & Certification

- Erasmus+: objectives, priorities, actions, budget and tips for applicants
- Planning follow-up and dissemination of learning outcomes
- Course evaluation and certificates

ErasmusLearn

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Ready to join? Book your place at www.erasmuslearn.eu

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