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**Partners from Europe (Belgium, Denmark, Finland, Italy, Estonia, Spain), Africa (South Africa, Kenya, Democratic Republic of Congo), Armenia, and Ukraine, plus, 16 Associated UnaEuropa Members/Partners**

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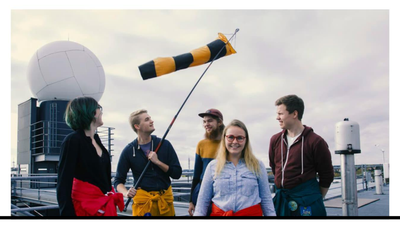
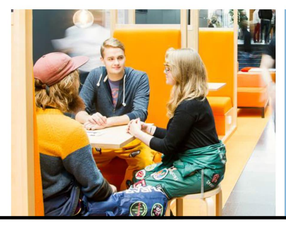
# ONLINE TEACHING AND VIRTUAL EXCHANGES – INSIGHTS AND RESULTS

www.atm.helsinki.fi/cluvex www.atm.helsinki.fi/unavex climed.network climateuniversity.fi

## Climate Messengers | Global Sustainability Advocates | Online Learning

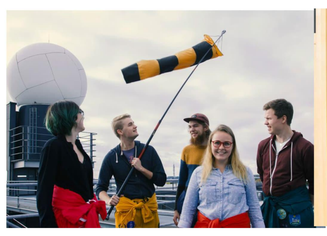
### Online Learning - the Future of Education?

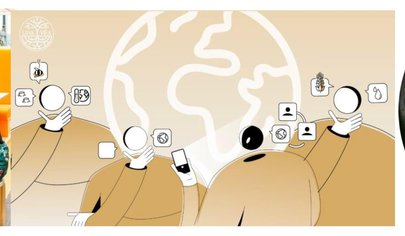
- Concept of traditional education is changing (COVID-19 !)
- Being physically present in classroom isn't the only learning option anymore - not with the rise of the internet and new technologies, at least
- Online learning - access to a quality education whenever and wherever you want, as long as you can get online
- Challenges of distance learning can be little interaction!
- Virtual Exchange (VE) is a tool to increase interaction in distance education!


### General Aims: CLUVEX & UnaVEx

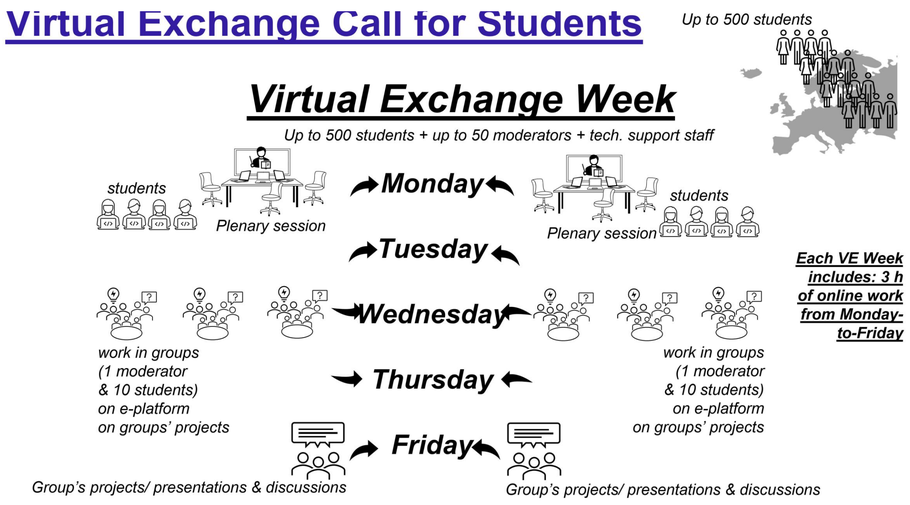
- to design Virtual Exchange (VE) concept for **climate change** & for **sustainability** education
- to bridge students from **European**, **Neighborhood East**, and **African** universities;
- to engage and educate students with competencies in **climate and green agenda together with interdisciplinary, green and soft skills** & **sustainability**
- to train moderators for **climate change** & for **sustainability** education
- to educate up to 500 students in each 1 VE Week (5 VE Weeks in total, per project)
- to educate altogether **2500** & **2500** students as the "**Climate Messengers**" & the "**Global Sustainability Advocates**" in 3 years
- to upscale VE concept to various networks and partnerships internationally







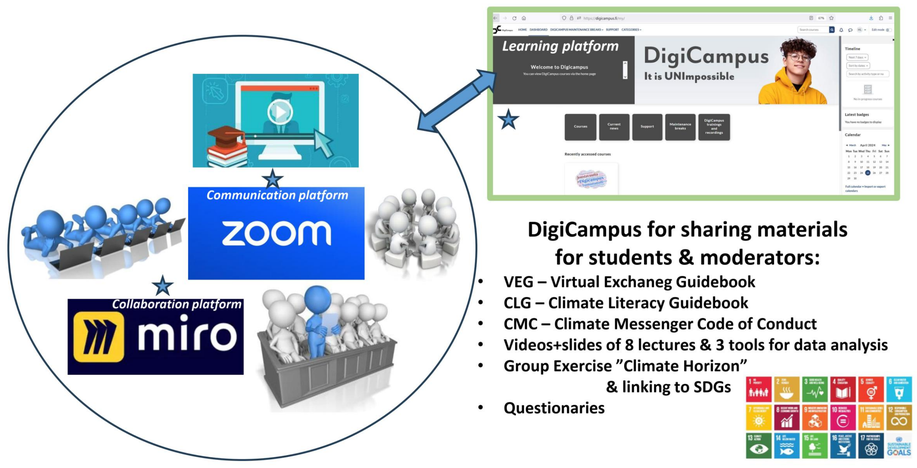
### Virtual Exchange Call for Students




### CLUVEX

**1st VE Week**
(14-18 Oct 2024)
**2nd VE Week**
(12-16 May 2025)
**3rd VE Week**
(6-10 Oct 2025)
**4th VE Week**
(23-27 Feb 2026)
**5th VE Week**
(20-24 Apr 2026)

### Learning + Communication + Collaboration Platforms

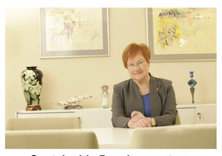



**DigiCampus for sharing materials for students & moderators:**

- VEG – Virtual Exchaneg Guidebook
- CLG – Climate Literacy Guidebook
- CMC – Climate Messenger Code of Conduct
- Videos+slides of 8 lectures & 3 tools for data analysis
- Group Exercise "Climate Horizon" & linking to SDGs
- Questionaries

### CLUVEX & UnaVEx Virtual Exchanges

**Lecturers and Guest Speakers**


**Sustainable Development as a Concept and in Politics**
President Tarja Halonen


**Ecological Sustainability**
Prof. Daniel Olago


**Social and Economic Sustainability**
Prof. Evans Njewa


**Cultural Sustainability**
Prof. Ezio Manzini

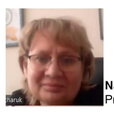

**Climate Change, Disasters, Carbon-neutrality and UN SDGs**
Prof. Alexander Baklanov


**Navigating Planetary Boundaries**
Assoc. Prof. Inna Khomenko

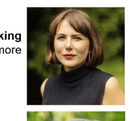

**Impacts of Climate Change and Future Outlook**
Prof. Hasmik Movsesyan



**Climate Change Impact on Water Resources**
Profs. Olga Shevchenko & Sergiy Snizhko


**Nature Hazards – Floods**
Prof. Valeriya Ovcharuk

**Artistic Research and Critical Thinking**
Yvonne Billimore



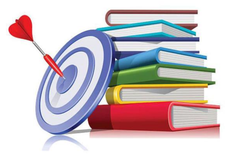

**Towards Sustainable Future Utopia**
Prof. Antti Rajala

### UnaVEx

**1st VE Week**
(24 Feb – 28 Mar 2025)
**2nd VE Week**
(13 Nov – 11 Dec 2025)
**3rd VE Week**
(5-26 Mar 2026)
**4th VE Week**
(10-19 Nov 2026)
**5th VE Week**
(24 Nov – 2 Dec 2026)

### Students (Participants of VE Weeks) Awarded:



- 1 & 1 ECTS credits issued by University of Helsinki/ Open University
- CLUVEX & UnaVEx Certificate
- Status of Climate Messenger & Global Sustainability Advocate
- Welcome to Online Courses of Climate University & Una Europa and Climate University

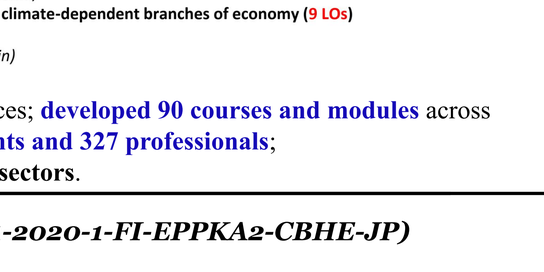
## RESULTS



- VE concept based on Climate University designed
- A joint Climate Horizon Execrices for group work in Zoom break-out rooms designed
- Cohort of CLUVEX Interested Students in 3 years: about 2500
- Cohort of CLUVEX Interested Moderators in 3 years : about 240
- Nearly 2500 participants (students, moderators, teachers, technical staff) involved during the project lifetime

During the project, an extensive research dataset has been collected—including the expectations and feedback of students and moderators - with the analysis results due in 2027

- The final VE week for UNAVEX concludes in December 2026, after which the analysis of the results will begin.



### Welcome to Climate University (CU) Online Courses

**Students** (BSc, MSc, PhD, PostDocs)
who paricipated in CLUVEX VE Weeks
and became the **Climate Messengers**

are also encouraged to take the Climate University online courses







### Welcome to Una Europa & CU Online Courses

**Students** (BSc, MSc, PhD, PostDocs)
who paricipated in UnaVEx VE Weeks
and became the **Global Sustainability Advocates**

are also encouraged to take the Una Europa & CU online courses

**Building on the Una Europa Micro-credential in Sustainability**
https://www.una-europa.eu/study/microcredential-sustainability/programme-information




### ClimEd Trainings

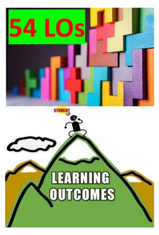
- Development **programme** with specific focus of training
- **Announcement** of the training & opening web-page (at http://climed.network/events/climed-trainings)
- **Web-applications**/ evaluation/ informing & assigning **successful applicants** to groups/ granting access to Moodle system
- **Training event** (lectures, home-work-assignments as group's projects, presentations/ defences)
  *lecturing materials (slides & videos) are asap publicly available at web-page of the training*
- **Evaluation** of group's presentations (by lecturers & organizing committee) & awarding certificates
- **E-evaluation** of the training & of own (participants) learning outcomes
- **Self-evaluation** (by ClimEd project) of the completed training







### ClimEd Trainings, LOs, Groups, Participants




**Tr#1 : Competence-Based Approach to Curriculum Development for Climate Education (10 LOs)**
12 Groups – 46
*(19 April – 12 May 2021) / Online*

**Tr#2 : Adaptation of the Competency Framework for Climate Services to conditions of Ukraine (5 LOs)**
12 Groups – 56
*(29 June – 26 August 2021) / Online*

**Tr#3 : Digital tools and datasets for climate change education (12 LOs)**
12 Groups – 45
*(26 October – 12 November 2021) / Online*

**Tr#4 : Learning courses' development in climate services considering needs of different users (7 LOs)**
12 Groups – 50 persons
*(6-10 May 2024) / Onsite-Hybrid (Spain)*

**Tr#5 : Applying different technologies of blended/on-line learning in education (5 LOs)**
8 Groups – 34 persons
*(30 Sep – 4 Oct 2024) / Onsite-Hybrid (Estonia)*

**Tr#6 : Mastering technologies of massive open on-line courses development for general public (6 LOs)**
15 Groups – 58 persons
*(10-14 Feb 2025) / Onsite-Hybrid (Estonia)*

**Tr#7 : Skills to use climatic information and services for climate-dependent branches of economy (9 LOs)**
16 Groups – 79 persons
*(7-11 Apr 2025) / Onsite-Hybrid (Spain)*

**ClimEd:** established a competency-based multilevel system of climate-services education aligned with European and WMO practices; **developed 90 courses and modules** across PhD, MSc, professional-development and open-learning formats; and **trained through 7 trainings 380 students and 327 professionals**; and strengthened digital and practical teaching capacity and **addressed 6 climate-sensitive sectors**.

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