



Sustainability strategy

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CLUVEX



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This document is Deliverable 5.2 on the “**Sustainability Strategy**” for the Erasmus+ project Climate University for Virtual Exchanges (CLUVEX). It defines the measures ensuring the continuation, institutionalisation, and expansion of project activities beyond the funded project period (2023–2026). The strategy addresses pedagogical, technical, financial, organisational, and policy dimensions of sustainability, in line with Erasmus+ programme requirements.

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Preface

The Climate University for Virtual Exchanges (CLUVEX; 2023-2026; <https://www.atm.helsinki.fi/cluvex>) project represents an innovative approach to climate education and international cooperation in higher education through the use of Virtual Exchange (VE). By bringing together universities from Erasmus+ Programme Countries (Finland and Denmark) and Neighbourhood East Countries (Ukraine and Armenia), together with an art and science non-profit organization called Bioart Society based in Finland, CLUVEX addresses urgent global challenges related to climate change, sustainability, and green skills development.

As the project approaches the end of its funded period, it is essential to ensure that its results, methodologies, and partnerships continue to deliver impact. This Sustainability Strategy (Deliverable D5.2) outlines the measures through which CLUVEX activities will be maintained, institutionalized, and further developed beyond the project lifetime. The document provides a structured and realistic roadmap for long-term sustainability at pedagogical, technical, organizational, financial, and policy levels.

1. Introduction


1.1 Overview of the CLUVEX Project

CLUVEX is a three-year Erasmus+ project (2023–2026) coordinated by the University of Helsinki, Institute for Atmospheric and Earth System Research (UH-INAR). The project operates in the thematic areas of *climate action, environment and nature protection, environment and climate change, and green skills*.

The partnership includes:

- University of Helsinki, Institute for Atmospheric and Earth System Research (UH-INAR), Finland – Coordinator
- University of Copenhagen (UCPH), Denmark
- Yerevan State University (YSU), Armenia
- Odessa State Environmental University (OSENU), Ukraine & since Autumn 2024, the Odesa I.I.Mechnikov National University (ONU), Ukraine
- Taras Shevchenko National University of Kyiv (TSNUK), Ukraine
- Bioart Society, Finland

CLUVEX builds on the Climate University (CU; <https://www.climateuniversity.fi>) online MOOC s (www link) developed and hosted by the University of Helsinki. Climate University MOOCs have



been piloted since 2018 in more than 25 higher education institutions in Finland. The project aimed to engage approximately 2,500 higher education students through interactive online courses using a Virtual Exchange format. During the CLUVEX project, background materials for students and a joint “Climate Horizon” group exercise were developed, which was implemented during the virtual exchange. Furthermore, a joint DigiCampus learning platform was established for the participating students and moderators. Through DigiCampus, all materials were shared, and both moderators and students were able to submit their reports for credits provided by the Helsinki University Open University. The virtual exchange weeks were conducted via Zoom, and breakout rooms were used for group discussions and collaborative exercises.

The core aim of CLUVEX is to bridge students from European and Neighbourhood East universities and engage them with climate competences, particularly climate change adaptation and mitigation, while also strengthening interdisciplinary, green, and transversal (soft) skills. As an innovative element, the BioArt Society introduces artistic perspectives on climate change through VE lectures and creative exercises.

1.2 Purpose of the Sustainability Strategy

The purpose of this Sustainability Strategy is to ensure the long-term continuation, institutionalisation, and impact of CLUVEX beyond the Erasmus+ funding period.

In particular, the strategy defines how Virtual Exchange (VE)-based climate education activities developed within the project will be sustained and further implemented within partner institutions. It outlines the mechanisms through which CLUVEX outcomes will be embedded into institutional structures, including curricula, teaching practices, and strategic frameworks.

Furthermore, the strategy identifies realistic financial and organisational opportunities that will support the continuation of activities after the project lifetime, including the use of existing resources, institutional support, and follow-up funding opportunities. It also addresses the upscaling of CLUVEX activities through dissemination, expansion to new institutions, and engagement in international academic and professional networks.

Finally, the Sustainability Strategy ensures that CLUVEX remains aligned with European and global priorities in climate action, digital education, and green skills development, thereby contributing to long-term educational, societal, and environmental impact.

Specifically, the strategy aims to:

- ensure the continuation and further development of Virtual Exchange (VE)-based climate education activities established within the CLUVEX project;
- embed CLUVEX results and methodologies into partner institutions' curricula, teaching practices, and strategic frameworks;
- establish sustainable financial and organisational mechanisms that support the continuation of activities beyond the project lifetime;
- support the upscaling and wider adoption of CLUVEX approaches through dissemination, networking, and engagement with new institutions;
- ensure alignment of CLUVEX activities with European and global priorities in climate action, digital education, and green skills development.

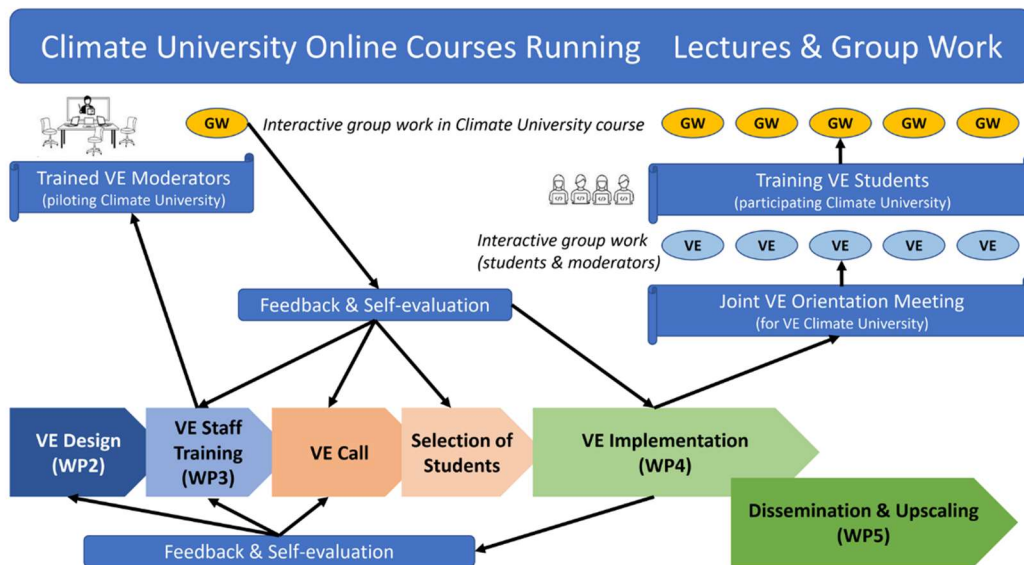
1.3 Scope and Objectives

This Sustainability Strategy covers the period following the end of the project in 2026 and beyond its lifetime, and focuses on the following objectives:

- **Establishing and maintaining a sustainable and scalable Virtual Exchange (VE) concept (model) for climate education.**

This objective has been achieved through the development and implementation of the CLUVEX Virtual Exchange Weeks concept (model). The scalable concept includes the following approaches:

- how to organize a Call for Moderators and a Call for Students through international networks
- how to design and deliver moderator training, including the training content
- how to organize staff training for Virtual Exchange Week hosts
- how to organize a Virtual Exchange Week for university students
- how to set up the learning platform and manage the process for awarding credit points



- Ensuring long-term use, development, and refinement of CLUVEX Virtual Exchange materials and courses.

This is achieved through publicly available resources hosted on the CLUVEX website and the Climate University platform. After the project ends, CLUVEX materials will remain accessible on the CLUVEX website, which will be maintained by the University of Helsinki (coordinator) beyond the project's lifetime.

These materials include lecture slides, demonstrations of web-based tools for climate data visualization and analysis, guidebooks, climate concepts and definitions, codes of conduct, and Climate Horizon exercises.

As part of CLUVEX, we have shared information about Climate University courses. Information on how to apply to these courses has been made easily accessible. Some of the MOOCs are designed for independent learning, while the interactive courses are application-based.

All Climate University courses, if successfully completed, [provide credits / are eligible for credits – you can specify this]. The courses are primarily offered in English, with selected courses also available in Finnish and Swedish.

<https://www.climateuniversity.fi/courses-in-english/>



- **Supporting continued collaboration between European and Neighbourhood East partner institutions.**

CLUVEX partners (UH, UCPH, TSNUK, ONU, YSU) and associated members continue their cooperation through joint project development and academic exchange initiatives. This includes the preparation of a COST Action proposal (planned submission in autumn 2026) focusing on the Earth System Research Network, involving over 30 partners. Additional collaboration is foreseen through Erasmus+ proposals (spring 2027) supporting student and staff exchanges, including Virtual Exchange activities. TSNUK and ONU have also participated in the Team Finland Knowledge (TFK) bilateral call (spring 2026) for the Finnish-Ukrainian Earth System Research Network project coordinated by UH. These initiatives are part of the broader Pan-Eurasian Experiment (PEEX) programme. Furthermore, participation in VE Weeks creates opportunities for future academic cooperation among students, moderators, and institutions.

- **Facilitating future participation through institutional, national, and international networks.**

This objective has been realised and will continue through engagement with networks such as the Climate University network in Finland, Una Europa, the UArctic Network of Universities, and national and regional academic networks of partner institutions. These networks support dissemination, knowledge exchange, and onboarding of new participants. In addition, CLUVEX methodologies are being further developed and applied in projects such as the Interreg project

“REOPEN” and ERASMUS + project “EMPOANDES”, as well as in new Erasmus+ and Horizon Europe proposals currently under preparation. These activities, together with planned online training initiatives, ensure the continued expansion and impact of CLUVEX.

- **Contributing to long-term climate awareness and sustainability leadership.**

CLUVEX supports students and moderators who have participated in the Virtual Exchange Weeks in becoming Climate Messengers. All participants have received a Climate Messenger Certificate, which we hope will motivate them in their future roles.

CLUVEX supports students and moderators who have participated in the virtual exchange weeks to act as Climate Messengers. All participants have received a Climate Messenger Certificate, which we hope will motivate them in their future tasks. During CLUVEX we have educated the participants as Climate Messengers by equipping students with knowledge, skills, and competencies in climate change adaptation, mitigation, and sustainability. Through interdisciplinary learning and international collaboration, participants are prepared to apply these competencies in their future professional roles and contribute to sustainable development at local, national, and global levels

2. Strategic Vision for Sustainability

Sustainability within CLUVEX is understood as the long-term continuation, institutionalisation, and expansion of the project’s pedagogical approaches, digital infrastructure, and international cooperation model. The strategy ensures that the results achieved during the project are not limited to its duration but are embedded into partner institutions’ educational systems and further developed through future initiatives.

The CLUVEX Sustainability Strategy is aligned with key European and global policy frameworks, including the European Green Deal, EU priorities on digital transformation and green skills, and the United Nations Sustainable Development Goals (SDGs), in particular SDG 4 (Quality Education) and SDG 13 (Climate Action). This alignment ensures that the project contributes to broader policy objectives related to sustainable development, climate action, and innovation in education.

The CLUVEX concept, including the organisation of Virtual Exchange (VE) Weeks and the implementation of the Climate Horizon Exercise, has been specifically designed to support a long-term transformation of climate education in higher education. These approaches promote low-carbon internationalisation by providing alternatives to physical mobility, encourage inclusive

participation by engaging students from different geographical and socio-economic backgrounds, and foster interdisciplinary learning through collaboration across academic fields.

The strategy is aligned with key European and global policy frameworks, including the European Green Deal, EU priorities on digital transformation and green skills, and the United Nations Sustainable Development Goals (SDGs), particularly SDG 4 (Quality Education) and SDG 13 (Climate Action), ensuring that CLUVEX contributes to broader objectives in sustainable development, climate action, and innovation in education.

CLUVEX concept (organization of VE weeks) and Climate Horizon Exercise have been designed to contribute to a durable transformation of climate education in higher education by fostering low-carbon internationalisation, inclusive participation, and interdisciplinary learning. The project's long-term vision is to support the education of a new generation of **Climate Messengers** who can promote climate awareness and sustainability strategies in their future professional and societal roles.

3. Multiplication and Scalability of Project Activities

3.1 Integration into Partner Universities' Curricula

Goal:

To embed Virtual Exchange (VE) methodologies and CLUVEX-developed content into regular teaching and learning activities at partner institutions, ensuring their long-term use beyond the project lifetime.

Actions:

- The integration of CLUVEX results into partner universities' curricula will be implemented through a structured and gradual process. During the project implementation phase, Virtual Exchange modules and course elements have been piloted within selected courses. Building on this experience, partner institutions will continue incorporating VE components into bachelor's, master's, interdisciplinary programmes, as well as micro-credentials and lifelong learning (LLL) programmes. At the University of Helsinki, curricula we have established specific course codes for Moderators (3-5 credit points) depending on how many virtual exchange weeks the moderator will moderate and Students (1 credit point).
- Internal institutional guidelines for VE implementation will be further developed and adapted based on the CLUVEX Guidelines. These guidelines will support academic staff in designing and

delivering VE-based learning activities in a consistent, high-quality, and pedagogically sound manner.

- Capacity building will be ensured through continuous training of academic staff, teaching assistants, and course facilitators. This will include workshops, peer-learning activities, and the use of training materials developed within the project. As a result, partner institutions will maintain and further strengthen the expertise required to independently implement and scale VE methodologies.
- Monitoring and evaluation mechanisms will be applied to assess student participation, learning outcomes, and the overall effectiveness of VE integration. Feedback collected from students and educators will be systematically used to improve course design, enhance learning experiences, and ensure ongoing quality assurance.

Timeline:

2025–2027

3.2 Expansion to Other Institutions and Networks

Goal:

To expand the CLUVEX model beyond the original consortium.

Actions:

- Dissemination of CLUVEX results through institutional, national, and international networks has been actively realised during the project implementation. This includes partner universities' academic networks involving students, lecturers, researchers, and administrative staff, as well as dissemination through the BioArt Society network. In addition, CLUVEX outcomes have been promoted within broader scientific and academic communities, including the Pan-Eurasian Experiment (PEEX) programme.
- CLUVEX results have also been disseminated through participation in international research and innovation projects such as CRiceS (Climate Relevant Interactions and Feedbacks: the key role of sea ice and snow in the polar and global climate system; <https://www.crices-h2020.eu>), RI-URBANS (Research Infrastructures Services Reinforcing Air Quality Monitoring Capacities in European Urban & Industrial Areas; <https://riurbans.eu>), and FOCl (Non-CO₂ Forcers and Their Climate, Weather, Air Quality and Health Impacts; <https://www.project-foci.eu>).
- Furthermore, strong links have been established with educational and capacity-building projects such as ClimEd (Multilevel Local, Nation- and Regionwide Education and Training in Climate Services, Climate Change Adaptation and Mitigation; <https://climed.network>), MODEST (Modernization of Doctoral Education in Science and Improvement of Teaching Methodologies; <https://www.emodest.eu>), EMPOANDES (Empowering Andean societies to improve adaptation

to climate change through the co-creation of climate services capacities; <https://empoandes.eu>), and REOPEN (Next Generation Workforce – Empowering Young People for Improved Employment; <https://centralbaltic.eu/project/reopen>). These projects provide opportunities to apply and further develop CLUVEX Virtual Exchange methodologies in diverse educational and regional contexts.

- Engagement with international academic and professional networks, including Una Europa, the World Meteorological Organization (WMO) Global Campus, and the PEEC COST Action network, further strengthens the visibility and scalability of CLUVEX. These platforms enable knowledge exchange, dissemination of best practices, and involvement of new institutions in Virtual Exchange activities.
- To facilitate the onboarding of new institutions, CLUVEX has developed guidelines, training materials, and structured approaches for implementing Virtual Exchange. These resources support higher education institutions in adopting VE methodologies and integrating them into their educational systems, ensuring scalability and sustainability of the CLUVEX model.

Timeline:

Ongoing from 2025 onwards.

3.3 Strengthening Institutional and International Partnerships

Goal:

To ensure long-term cooperation among existing and future partners and to further develop collaborative activities in climate education and Virtual Exchange.

Actions:

- The establishment of formal cooperation agreements between partner institutions will be pursued where relevant, building on the partnerships developed during the CLUVEX project. These agreements will support the continuation of joint educational activities, Virtual Exchange implementation, and collaboration in research and innovation.
- The co-creation of new Virtual Exchange (VE) courses and modules will be further developed through joint academic efforts of partner institutions. Building on the CLUVEX experience, partners will collaborate in designing interdisciplinary courses, integrating climate-related topics, and applying innovative teaching methodologies. These activities will contribute to the continuous development and diversification of VE-based learning opportunities.
- Participation in international climate education and sustainability forums will be actively encouraged among partners. This includes conferences, workshops, academic events, and policy-oriented platforms, where CLUVEX results can be presented and further developed. Such

participation will strengthen the visibility of the project, foster new partnerships, and support the exchange of knowledge and best practices at the international level.

- In addition, partners will collaborate in the preparation and submission of joint project proposals under Erasmus+, Horizon Europe, and other international funding programmes. These initiatives will ensure the continuation and expansion of CLUVEX activities and reinforce long-term institutional cooperation.

4. Sustainability of Project Activities

The sustainability of CLUVEX is ensured through a combination of institutional integration, low-resource operational models, permanent digital infrastructure, and continued inter-institutional cooperation.

After the project lifetime, the CLUVEX website (<https://www.atm.helsinki.fi/cluvex/>), including all deliverables and materials, as well as the Virtual Exchange (VE) Weeks implemented as courses on the DigiCampus educational platform, will continue to be hosted and maintained by the University of Helsinki. In addition, the Climate University courses and resources will remain accessible, ensuring long-term availability of CLUVEX outcomes.

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Home Project Partners Collaborators Materials Contact

CLUVEX CLUVEX CLUVEX

CLUVEX (Climate University for Virtual Exchanges: 2023-2026) is a 3-year project carried out by five universities from Finland, Denmark, Ukraine and Armenia together with an art & science non-for-profit association based in Finland. The CLUVEX thematic areas are "climate action, environment and nature protection", "environment and climate change" and "green skills". CLUVEX organizes virtual workshops and facilitates the participation to the Climate University MOOCs for the university students.

JOIN US!

- Call for Moderators Spring 2026 [pdf](#) [news](#)
- Call for Students Spring 2026 [pdf](#) [news](#)

News

The CLUVEX monthly (March) online meeting
March 23, 2026

The CLUVEX project monthly online meeting took place on 20 March 2026. The CLUVEX Partners representatives... [Read more](#)

The Odessa I.I. Mechnikov National University ONU announced the Call for Students
March 17, 2026

The Odessa I.I. Mechnikov National University announced the Call for students. Links to students announcements... [Read more](#)

The Call-for-Students for the CLUVEX 5th Virtual Exchange Week (20-24 April 2026)
March 16, 2026

The Call-for-Students for the CLUVEX 5th Virtual Exchange Week (20-24 April 2026) is open now! Application... [Read more](#)

Moderators DigiCampus (<https://digicampus.fi/course/view.php?id=5195>)

The screenshot shows the DigiCampus interface for the course 'UH: CLUVEX moderators'. The top navigation bar includes 'HOME', 'DASHBOARD', 'DIGICAMPUS MAINTENANCE BREAKS', 'SUPPORT', and 'CATEGORIES'. A search bar and user profile are on the right. The main content area features a header image of red berries on a wooden surface. Below the header, the course title 'UH: CLUVEX moderators' is displayed with a heart icon. A navigation menu includes 'Course', 'Settings', 'Participants', 'Grades', 'Reports', and 'More'. The 'General info' section is expanded, showing a green heading 'Welcome to CLUVEX Moderator DigiCampus platform'. The text below reads: 'Welcome to Moderators' community of the Climate University for Virtual Exchanges (CLUVEX), Erasmus+ project. The main goal of CLUVEX is to engage multi-disciplinary and international discussions on Climate Challenges and Actions within students from Higher Education Systems of Europe and Neighborhood East. The Virtual Exchange Week is 20-24.4.2026. Each moderator will be guiding ~10 students from different disciplines, cultures and stages of their studies. Thus, be sure that discussions occur in a respectful and friendly environment for all participants. You can read more about this in the CLUVEX Code of Conduct.'

Students DigiCampus, VE4 as an example (<https://digicampus.fi/course/view.php?id=6823>)

The screenshot shows the DigiCampus interface for the course 'UH/MOOC: Climate university for virtual exchanges 4'. The top navigation bar is identical to the previous screenshot. The main content area features a header image of a wooden surface with a doormat that says 'WELCOME ON BOARD' and a pair of red sneakers. Below the header, the course title 'UH/MOOC: Climate university for virtual exchanges 4' is displayed with a heart icon. A navigation menu includes 'Course', 'Settings', 'Participants', 'Grades', 'Reports', and 'More'. The 'INFO' section is expanded, showing a green heading 'Welcome to CLUVEX Virtual Exchange!' and '1 credit (European Credit Transfer System, ECTS)'. Below the image, the text reads: 'During the CLUVEX virtual exchange week, we will introduce and discuss the latest scientific knowledge on climate change from multidisciplinary perspectives—natural sciences, social sciences, and the arts. The virtual exchange week consists of plenary lectures on multidisciplinary perspectives on climate change and climate data modeling tutorials.'

All Virtual Exchange concepts, pedagogical models, course structures, and learning materials developed within CLUVEX—including CLUVEX Guidelines, facilitation models, and VE exercises—will be fully embedded into the Climate University framework and further utilised in future educational activities.

Partner universities (UH-INAR, UCPH, ONU, TSNUK, and YSU), as well as the BioArt Society, have progressively built internal capacity in online climate education and VE facilitation during the project implementation. The CLUVEX concept has been successfully introduced and tested across all partner institutions. As a result, partners are able to continue delivering and participating in VE-based Climate University courses using existing academic staff and institutional resources, without the need for additional external funding.

The CLUVEX model is intentionally designed as low-cost and scalable, relying on:

- existing digital infrastructure, including the CLUVEX website, the Climate University platform with open-access courses, and widely used online tools such as Zoom for Virtual Exchange activities;
- permanent teaching staff and a trained pool of moderators capable of facilitating VE sessions;
- integration of CLUVEX methodologies into regular curricula and educational programmes;

the use of virtual mobility as a sustainable alternative to physical mobility.

5. Financial and Partnership Sustainability

5.1 Financial Sustainability

Financial sustainability of CLUVEX will be ensured through a combination of external funding opportunities and internal institutional support mechanisms.

Follow-up project applications under Erasmus+ will play a key role in sustaining and further developing CLUVEX activities. This includes initiatives related to Virtual Exchange, Cooperation Partnerships, and other relevant actions that support digital education, climate competencies, and international collaboration.

In addition, partner institutions will actively collaborate in the development and submission of joint proposals under HORIZON Europe and other international funding programmes. These proposals will focus on areas such as climate education, digital transformation, sustainability, and green skills, building upon the methodologies and results developed within CLUVEX.

Financial sustainability will also be supported through cost-sharing mechanisms within partner institutions. This includes the use of existing institutional resources, allocation of staff time, and in-kind contributions, which enable the continuation of CLUVEX activities without significant additional funding requirements.

5.2 Partnership Sustainability

The sustainability of partnerships established within CLUVEX will be ensured through continued academic collaboration and the development of new joint initiatives.

Partner institutions will maintain cooperation through joint research activities, co-creation of new courses and Virtual Exchange modules, and the preparation and implementation of joint project proposals under Erasmus+, Horizon Europe, and other funding frameworks. These activities will strengthen long-term institutional links and support the expansion of CLUVEX-related initiatives.

In addition, the consortium will continue to utilise established international networks, including Una Europa and the World Meteorological Organization (WMO) Global Campus, to promote collaboration, dissemination, and engagement with new partners.

Where relevant, long-term cooperation agreements between partner institutions will be established or further developed to formalise collaboration and ensure the continuity of joint activities beyond the project lifetime.

6. Governance and Policy Sustainability

6.1 Governance Structure

A clear and coordinated governance structure will ensure the continued implementation and development of CLUVEX activities beyond the project lifetime. Responsibilities among partner institutions will be distributed based on their expertise and institutional capacities, building on the collaboration established during the project.

A light and flexible governance model will be maintained to support efficient decision-making related to Virtual Exchange (VE) implementation, use, and further development of the Climate University platform, and dissemination of results. Regular communication among partners will be ensured through established coordination mechanisms, including online meetings and collaborative platforms, enabling continuous alignment and cooperation.

6.2 Policy and Institutional Integration

CLUVEX partners will actively support the institutionalisation of Virtual Exchange within higher education systems by promoting its recognition and integration into academic and strategic frameworks.

In particular, partners will work towards the formal recognition of Virtual Exchange as part of institutional curricula, including its integration into course structures and learning outcomes. Efforts will also be made to include VE methodologies within university internationalisation strategies and digital learning policies, ensuring alignment with broader institutional priorities.

Furthermore, CLUVEX activities will be aligned with national and European higher education frameworks, including the European Higher Education Area (EHEA). This alignment will support the long-term adoption of VE approaches and contribute to the development of innovative, inclusive, and sustainable education systems.

7. Monitoring, Evaluation, and Continuous Improvement

Monitoring, evaluation, and continuous improvement are essential components for ensuring the long-term sustainability and quality of CLUVEX activities. These processes will be systematically implemented across partner institutions to assess the effectiveness, impact, and scalability of Virtual Exchange (VE) activities.

Sustainability will be monitored through a combination of quantitative and qualitative measures, including participation levels, institutional uptake, and the integration of CLUVEX activities into educational programmes. Regular feedback will be collected from students, educators, and facilitators through surveys, discussions, and evaluation tools. In addition, periodic (annual) internal reviews will be conducted to assess pedagogical quality, technical performance of the platforms, and the overall effectiveness of VE implementation.

Sustainability will be monitored through:

- tracking participation levels, institutional uptake, and integration of CLUVEX activities into curricula;
- collecting regular feedback from students, educators, and facilitators through surveys and evaluation tools;
- conducting periodic (annual) internal reviews of pedagogical quality, platform performance, and overall effectiveness of VE implementation.

The results of monitoring and evaluation activities will be actively used to support continuous improvement and long-term sustainability.

Monitoring results will be used to:

- improve course design, teaching approaches, and facilitation methods;
- update and refine Virtual Exchange methodologies and learning materials;
- support evidence-based decision-making and the preparation of follow-up project proposals and funding applications.

Through this iterative process, CLUVEX will ensure that its approaches remain relevant, effective, and responsive to the evolving needs of students, educators, and institutions.

8. Sustainability Action Plan

To support the implementation and monitoring of the Sustainability Strategy, a structured Sustainability Action Plan has been developed. Table 1 below summarises the key sustainability areas, planned actions, responsible partners, timelines, and expected results or indicators.

Table 1: Sustainability Action Plan

Sustainability Area	Planned Actions	Responsible Partners	Timeline	Expected Results / Indicators
Pedagogical Sustainability	Integrate CLUVEX VE concepts and materials into Climate University courses	UH-INAR	2025–2026	VE materials are permanently available and reused
	Update VE Guidelines and facilitation models	UH-INAR, UCPH	Annually	Updated guidelines have been developed and published
Technical Sustainability	Maintain and host the CLUVEX website, project materials, and Climate University courses and resources	UH-INAR	Continuous	Platform uptime ensured and resources accessible
	Implement accessibility and usability improvements	UH-INAR	Annual review	Improved user experience and positive feedback

Institutional Integration	Embed VE activities into degree programmes	All universities	2025–2027	VE under discussion /integrated/recognised within curricula
	Align VE with institutional internationalisation strategies	All universities	2025–2026	VE included in institutional strategy documents
Capacity Building	Train educators and teaching assistants in VE	UCPH, ONU	Annual	Increased number of trained academic staff
	Support student facilitators and moderators	YSU, TSNUK	Annual	Increased number of trained student facilitators
Financial Sustainability	Prepare Erasmus+ follow-up proposals	UH-INAR, YSU	2025–2026	Submission of follow-up project proposals
	Develop HORIZON Europe project concepts	Consortium	From 2026 onwards	New funding opportunities identified and secured
Partnership Sustainability	Maintain collaboration via networks (Una Europa, WMO Global Campus)	All partners	Continuous	New partners engaged and collaborations expanded
Dissemination & Impact	Disseminate CLUVEX model nationally and internationally	All partners	Continuous	Dissemination events and publications implemented
	Promote the Climate Messengers concept	All partners	Continuous	Active alumni engagement and outreach activities
Monitoring & Quality Assurance	Collect student and staff feedback	All partners	Each VE cycle	Evaluation reports produced
	Conduct annual sustainability review	Steering Committee	Annual	Updated sustainability action plan

9. Conclusion and Long-Term Outlook

CLUVEX establishes a sustainable, inclusive, and climate-responsible model for international higher education cooperation. By embedding Virtual Exchange into institutional structures, ensuring the continued availability of Climate University courses and resources, maintaining the CLUVEX website with deliverables and materials, and further implementing the CLUVEX Virtual Exchange Weeks (as courses on the DigiCampus educational platform), the project secures the long-term use and impact of its results beyond 2026.

In addition, the continuation of strong international partnerships among consortium members and their networks supports ongoing collaboration, knowledge exchange, and further development of CLUVEX methodologies.

Through the education of Climate Messengers, CLUVEX contributes to long-term climate awareness, the development of green skills, and the promotion of sustainable development across Europe and the Neighbourhood East.

10. Annex: Climate Horizon Group Exercise


The Climate Horizon Group Exercise is a core pedagogical component developed within the CLUVEX project and implemented during the Virtual Exchange (VE) Weeks. It represents a structured, interdisciplinary learning activity designed to engage students in collaborative problem solving on climate-related challenges.

The exercise is carried out in international student groups and focuses on analysing real-world climate issues using scientific data, policy frameworks, and sustainability perspectives. Participants are guided through a systematic process that includes problem identification, data analysis, development of mitigation and adaptation strategies, and presentation of results. This approach supports the development of key competences such as critical thinking, teamwork, communication skills, and climate literacy.

The Climate Horizon Exercise is closely integrated into the Climate University Virtual Exchange courses and is supported by digital tools and platforms used for collaboration and knowledge exchange. It also promotes intercultural dialogue and interdisciplinary cooperation among participants from different countries and academic backgrounds.

Detailed instructions and guidelines for the implementation of the Climate Horizon Group Exercise are provided in the **Climate Horizon Exercise Guidebook**, which is included as part of this annex (or referenced as a separate document). The guidebook contains:

- step-by-step instructions for facilitators and students;
- description of the exercise structure and learning objectives;
- guidance on group work, moderation, and assessment;
- examples of tasks, datasets, and expected outputs;
- recommendations for adapting the exercise to different educational contexts.



All materials related to the Climate Horizon Exercise, including the guidebook and supporting resources, are available through the CLUVEX website and the Climate University platform. The exercise will continue to be used and further developed in future Virtual Exchange activities and related educational initiatives, ensuring its long-term sustainability and impact.