

**DELIBERATION DU CONSEIL D'ADMINISTRATION DE L'UNIVERSITE CLERMONT AUVERGNE
PORTANT APPROBATION DE L'ENONCE DE MISSION DE L'ALLIANCE EUROPEENNE SUR LA MOBILITE DURABLE
« ERASMove »**

LE CONSEIL D'ADMINISTRATION DE L'UNIVERSITE CLERMONT AUVERGNE, EN SA SEANCE DU 13 JANVIER 2023,

Vu le code de l'éducation ;

Vu le décret n°2020-1527 du 7 décembre 2020 portant création de l'Etablissement Public Expérimental Université Clermont Auvergne ;

Vu les statuts de l'UCA ;

PRESENTATION DU PROJET

A travers son programme Erasmus +, la Commission Européenne soutient le renforcement de la coopération entre établissements d'enseignement supérieur et de recherche au niveau institutionnel et dans tous les domaines d'activité : formation, recherche, innovation, service à la société. L'objectif est d'encourager les institutions européennes à définir de nouveaux modes de coopération intégrée en structurant des alliances transnationales « qui permettront [notamment] aux étudiants d'obtenir un diplôme en combinant des études dans plusieurs pays de [l'Union Européenne] »¹. Les premiers appels à projets ont abouti à la sélection de 44 universités européennes impliquant 340 institutions d'enseignement supérieur et de recherche parmi lesquelles 36 établissements français.

L'Université Clermont Auvergne souhaite répondre de nouveau, en tant qu'institution coordinatrice, à l'appel à projets *Université européenne* qui se clôturera le 31 janvier 2023. Elle a choisi de rassembler 6 établissements de 6 pays européens différents (Allemagne, Belgique, Estonie, Grèce, Slovaquie, Roumanie) autour de la thématique de la mobilité durable. Ce vote permet à l'Université Clermont Auvergne de valider l'énoncé de mission de l'Alliance européenne sur la mobilité durable « ERASMove » annexé à la présente délibération.

Vu la présentation de Madame Marie-Elisabeth BAUDOIN, Vice-présidente stratégie internationale et européenne ;

Après en avoir délibéré ;

DECIDE

d'approuver l'énoncé de mission, annexé à la présente délibération, de l'Alliance européenne sur la mobilité durable « ERASMove » qui sera déposée le 31 janvier 2023 par l'Université Clermont Auvergne en réponse à l'appel à projets *Université européenne* du programme Erasmus + de la Commission Européenne.

Membres en exercice : 41

Votes : 30

Pour : 28

Contre : 0

Abstentions : 2

Le Président,

Mathias BERNARD

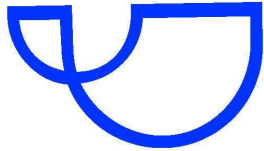
CLASSE AU REGISTRE DES ACTES SOUS LA REFERENCE : CA UCA DELIBERATION
2023-01-13-01

TRANSMIS AU RECTEUR :

PUBLIE LE :

Modalités de recours : En application de l'article R421-1 du code de justice administrative, le Tribunal Administratif de Clermont-Ferrand peut être saisi par voie de recours formé contre les actes réglementaires dans les deux mois à partir du jour de leur publication et de leur transmission au Recteur.

¹ Conclusions de la réunion du Conseil européen du 14 décembre 2017



**EUROPEAN ALLIANCE
ON SUSTAINABLE MOBILITY
ERASMOVE**

Mission Statement

January 2023



7 European Countries

4 Universities of Applied Sciences

3 Comprehensive Universities

136 665 students

10 430 staff

69 faculties

328 research groups



Background

ERASMovE European University, based on the **EuRopean Alliance on Sustainable Mobility – ERASMovE** – is a **transnational and inclusive joint university that will contribute to the social and economic transformation of mobility in Europe by raising awareness on Sustainable Mobility, developing interdisciplinary and cross-sectoral strategies as well as providing recommendations to stakeholders at all levels**. The University will jointly develop, deliver, and transfer knowledge, skills, competences, and technological innovations for the green transition.

ERASMovE European University is built by and within a **unique consortium, composed of seven diverse, multidisciplinary universities** that have united their forces to **help accelerate transformation of the mobility of people and freight** through radical changes in the way education, research and innovation in academic areas are performed in relation to society and in the global community:

- Université Clermont Auvergne (UCA), Project coordinator, France
- Ostbayerische Technische Hochschule Regensburg (OTH), Germany
- Hogeschool VIVES (VIVES), Belgium
- Panepistimio Ioanninon (Uoi), Greece
- Tallinna Tehnikakõrgkool (TTK), Estonia
- Høgskulen på Vestlandet (HVL), Norway
- Universitatea “Ovidius” din Constanța (UOC), Romania.

ERASMovE European University is sought to become a model university in Europe and a lighthouse for society with a strong focus on Sustainable Mobility within a wider Green Deal. Its construction and functioning are based on **three mutually reinforcing elements**.

1. **ERASMovE serves citizens, local and regional authorities, industry partners and communities that face the following challenges:**

- **Access and distribution of resources** (people and goods) over diverse territories (coastal, mountainous, rural regions with dispersed settlements);
- **All types of future-oriented transportation, CO₂ neutral transport, smart logistics driven by artificial intelligence;**
- **Non-traditionally served learners and overlooked communities.**

The diversity of ERASMovE partner universities make it possible to meet all the above-mentioned challenges, while common solutions to Sustainable Mobility can emerge thanks to **the sharing of experiences and best practices**.

UCA is located in a mountainous and rural region in France where the Puy-de Dôme department is experimenting “green shuttles” with hydrogen motors to connect different tourist sites. In Germany, the city of Regensburg aims at providing alternative transport options to reduce car traffic, through the establishment of a new city railway system, the re-organisation of public transport and the increased use of zero-emission vehicles. In Belgium, VIVES is supporting local cities with an efficient organisation of city logistics, in particular the last mile delivery of packages for which drones could be a solution. HVL’s main campus is located in Bergen, the city with the highest percentage of electric cars in the world. In addition to several clean energy transition projects, HVL is also involved in the development of green



shipping technologies, in particular via its campuses in Stord and Haugesund. UOC in Romania and TTK in Estonia are located in coastal territories, with similar issues regarding maritime transportation and pollution. In Romania, the port authorities are trying to move away from gas to hydrogen. Uoi is situated in Ioannina (Epirus region) at the cross-border area between Greece and Albania as well as Greece and Italy. The area has recently become a strategic intersection of combined transportation nodes in proximity also to the country's international gateway, the port of Igoumenitsa. In addition, Uoi develops actions for the "Green Campus" initiative. These various approaches and specialisations of the partners and their regions will bring in synergetic effects and build multitudinous interaction possibilities.

Furthermore, academia is a common denominator that will push forward the exchange of good practices and ways of thinking and ensure dissemination to all concerned stakeholders. Each university brings different skills, different capabilities, different backgrounds and different ways of working. This will allow to construct a truly dynamic and versatile transnational ERASMove university, committed to provision of high-quality education at different levels, transnational cooperation, conducting of shared research, innovation, and interaction with the world of business and industry, and with society.

2. ERASMove specifically seeks to serve the European integration as the identity of the Alliance is fully in line with European values and identity:

- ERASMove [promotes common European values](#) of human dignity, freedom, democracy, equality, rule of law, and respect of human rights through seamless mobility and immersion in different cultural and societal contexts to create empathy and understanding for participating institutions, learners, researchers and industry partners. This is achieved through short-term Scientific Mission activities, internal grants and Collaborative Online International Learning projects.
- ERASMove also [supports inclusion, tolerance, justice, solidarity and non-discrimination](#) with the participating students, businesses, citizens and future decision and policy-makers. This is offered through the lifelong learning approach and a multicultural environment offered within the inter-university campus.
- ERASMove fully [supports the acceleration of decarbonisation](#) promoted by the European Green Deal and related policies and regulatory frameworks by addressing in particular wind and energy for green hydrogen production and clean transportation, with different stakeholders involved in the project such as E.ON, Rompetrol and Engie; sustainable maritime transportation through more efficient port management and more environmentally friendly ships and ship manufacturing/repair with different stakeholders involved (such as Constanța Port Authority, Constanța Shipyard, and, potentially, Naval Group in France); sustainable coastal tourism and tourism in protected areas (such as the Danube Delta, Northern Pindos Park, Lake Pamvotis or the world heritage site of the old town of Regensburg) through clean transportation, green energy generation in isolated areas and efficient exploitation of resources;
- ERASMove also [contributes to the digital transition](#). In Constanța, an efficient public mobility is enabled by digitalizing the metropolitan transportation (the CT Bus example); in Auvergne, sustainable agriculture is being promoted through digital management of the farm fleet; Estonia is also known for smart logistics and virtualisation with for example autonomous green buses tested in city smart office areas; in Regensburg a pilot project is currently running very successfully with two fully electric buses that drive autonomously through the city industrial park; in Flanders



logistical companies are experimenting with multimodal transport supported by AI based decision models;

- And finally training students who are aware of the challenges of sustainable development and mobility as well as open-minded about inclusion and non-discrimination will ultimately support [the development of European citizens who are civically engaged](#).

Apart from European values, ERASMove also [serves the European policies both in the field of industry and higher education](#).

- The research and industry alliances will feature tight linkages among partners, because of common interests. As a result, the competitiveness and technological sovereignty of Europe will benefit from socially relevant skill development, research, innovation and entrepreneurship. For example, the Michelin tyre manufacturing company, based in Clermont-Ferrand, has created, together with UCA Research Centre on Innovative Mobility: Smart and Sustainable Solutions (ImobS³) a joint R&D laboratory “FACTOLAB” which is focusing on man-machine cooperation, in the fields of robotics and new digital technologies. Another example is the close cooperation of OTH with the Mobility & Logistics Cluster to find new intelligent answers to upcoming social and technological challenges in the age of electromobility and IT logistics as well as the collaboration of TTK with Estonian Digital Construction Cluster to offer innovative knowledge-based construction solutions for the entire construction life cycle to cut production costs as well as carbon footprint. UoI has created a University Research Centre with Institutes focusing on Bioscience, Material Science and Applications, and Environmental and Sustainable Development.
- The cooperation between the seven ERASMove partner universities will also illustrate how transnational cooperation within the European High Education Institutions (HEI) ecosystem can strengthen the European Education and Research Areas and improve the attractiveness of European universities in a global competitive arena.

[3. Knowledge is *de facto* a universal common good, which can benefit everyone, beyond European borders](#). The research performed by ERASMove members or the good practices that will be shared with stakeholders and the wider society may also have positive impact in other countries and regions. UCA and UOC are part of the Francophone University Agency, whereas both UOC and UoI are members of the Balkan Universities Network and the Black Sea Universities Network. ERASMove will be able to share and disseminate its expertise as well as promote the European University model beyond the EU and EEA borders.

Vision

ERASMove European University is a [collaborative HEI association](#) united in the strive for excellent quality and best advancements in education, research, innovation, and interaction with society. All of its services and academic and social offers are substantially grounded on internationalisation and interaction with stakeholders.

ERASMove supports the achievements of the United Nations Sustainable Development Goals, as implemented in all EU Policies. [Sustainable Mobility is understood](#) by all project partners as [an effective combination of transport systems, policies and services \(covering all major modes of mobility: land, air, and sea\) to allow for inclusive, affordable, efficient, safe, clean, and](#)



convenient access of people to goods, services and opportunities, in urban and non-urban areas.

Based on an interdisciplinary approach and individual educational partners' specialisations complementing each other, as well as on a strong transnational constituent, ERASMove European University seeks to support transition to Sustainable Mobility by:

- Progressing towards international leadership in promoting the development of Sustainable Mobility in academic and social life;
- Empowering its students to fulfil their academic and professional passions at a European University that is diverse, welcoming, and inclusive for all students and staff;
- Creating innovative connections among education, research, innovation, and interaction with society.

ERASMove European University will implement the following tools to meet the above-defined expectations through:

- [Addressing all the challenges raised by Sustainable Mobility](#) in the key areas of technology and traffic, environment and energy, medicine and health, agrifood sector, circular economy, law, business, humanities and creative arts;
- [Including the important notion of access to mobility](#), regardless of income or location into educational offers;
- [Including equity in accessibility to mobility and higher education covering all groups](#) of the population as well as from all geographical areas;
- Preparation for and [activation of institutionalized cooperation](#) for a structural, systemic and sustainable impact of knowledge and skills on environment, economy, and society;
- [Adopting interdisciplinary, international and cross-sectoral approaches in higher education](#) to meet the socio-economic reality and needs of the labour market;
- [Equipping students and staff and wider population with adequate green and digital skills](#) through challenge-based education, involvement in research and in seamless academic exchange;
- [Considering a better provision of infrastructure and services](#) to support the knowledge transfer for efficient movement of people and goods.

Mission and Strategy

The ERASMove members are convinced that the [ambitious challenge of boosting the evolution of accelerating Sustainable Mobility in Europe](#) from the side of Higher Education can only be effectively addressed done through a profound [redesign of the higher education landscape](#). The seven partner universities are committed to fulfil their societal mission and to contribute to the success of the European Green Deal. Building on their strengths, they aim to build a new model university in Europe, promoting the European identity and paving the way for a sustainable future.

First, ERASMove seeks to align the procedures for transnational cooperation in education, research, innovation, and interaction with society as a merger, and extend the capacities of



the partners for extensive and seamless international academic exchange as well as optimizing the academic offers by making studies more flexible, society-oriented, and student-centred.

Second, ERASMove will advocate and facilitate exercising of the full potential of the higher education sector as a generator and promoter of skills and knowledge, as well as an engine for innovation. ERASMove European University will help foster Europe's global influence in terms of values, academic response to global challenges, development of new jobs, and to the most recent and future demands of the labour market and society at large.

ERASMove partners are convinced that [the transformation of mobility must and can proceed much faster in Europe](#), not only for environmental reasons in order to achieve climate-neutrality by 2050 or reduce pollution, but also to meet acute societal and economical needs, in order to provide better access to transport for European citizens and businesses, enhance territorial equity, and to stimulate European competitiveness through new technological advances and skill development. They are committed to be drivers of the green and digital transitions serving the whole European society.

ERASMove European University's joint strategy will drive systemic, structural, and sustainable impact both on the partner's higher education institutions and on the European society and stakeholders.

In the short-term perspective, ERASMove European University supports an integrated interdisciplinary strategy covering education, transnational academic exchange, research, innovation, co-creation and societal engagement [in four main domains](#):

- Science, Engineering and Technology,
- Law, Economics, Management,
- Social Sciences, Humanities, and Arts,
- Health and Environment.

ERASMove intends to [act as a driver for knowledge creation, transfer and access in the field of Sustainable Mobility](#) and to support the transformation of mobility by enabling synergies between different scientific disciplines, industry, policy and the general public.

The consortium will [jointly create and manage, through a common governance structure, a European inclusive, multilingual, and multicultural transnational university campus](#). With its transnational and interdisciplinary approach ERASMove European University will invest into further development of the European Education Area (EEA) and the European Research Area (ERA), in synergy with the European Higher Education Area (EHEA) in order to make Europe and its education not only attractive in the world but also meaningful and socially and globally responsible.

The ERASMove European University will promote cross-sectoral cooperation in all of its training, research and innovation activities. In doing so, ERASMove aims [to provide seamless mobility among students and staff by 2028](#) and enhance students' employability as well as environmental and socio-cultural awareness.

In the long-term perspective, ERASMove will significantly [contribute to the social and economic transformation of mobility and transporting of people and goods that Europe must achieve within the next 30 years](#). The partners will update the existing and create new educational curricula in the three cycles (Bachelor, Master and Doctoral) as well as lifelong



learning based on inter-disciplinary and cross-sectoral approaches, integrating student-centred learning approaches and innovative pedagogies, and including the use of the latest digital technologies. It will also lay the foundations for a European degree in Sustainable Mobility.

The Alliance will foster interdisciplinary research and co-creation frameworks closely linked to socio-economic issues by developing several joint interdisciplinary research and innovation labs involving all relevant stakeholders: transport and mobility users, public authorities, policy makers, businesses, transport and mobility infrastructure, service providers, and non-governmental organisations.

By 2028, the ERASMove European University aims to [become a leading and widely recognized higher education institution alliance offering an interdisciplinary training, research and innovation ecosystem in the domain of Sustainable Mobility.](#)

ERASMove European University will continue to strengthen innovation capacity and regional development by establishing or improving dedicated support structures in the participating higher education institutions. These structures will enable the emergence of new innovations and start-ups, which will play an essential role in the mobility transformation through the development of new Sustainable Mobility concepts or components for their real-world implementation.

The society will be at the centre of this dynamic, thanks to the creation of living labs across the consortium as arenas for co-creation between citizens, NGOs, academics and other stakeholders, through:

- Conducting research to find solutions to environmental and climate challenges in view of achieving climate neutrality, reversing biodiversity loss and stopping pollution; and
- Developing climate and environmental literacy for all students across all levels and disciplines, as well as for the public at large through community engagement.

The ERASMove European University will also be [a role model for environmental sustainability through its infrastructure and operations.](#) Ultimately, the results of research and innovation activities will constitute a solid ground for environmental-related policies, innovation, and measures as well as new courses and study programmes.

Within the European Union, HEI already benefit from many tools and facilities that encourage and render possible the mobility of their students, teachers, researchers, and administrative staff. However, mobility and cooperation between HEIs should also be fully aligned with Europe's sustainability policies, while being able to respond to socio-economic challenges and crises. The ERASMove partners are committed to undertake a gradual evolution towards in-depth and long-lasting transnational institutional cooperation to fulfil this ambition.





Strengths

In addition to the individual strengths of each Consortium partner, ERASMove European University’s main strength relies on the complementarity which all the partners bring into the joint work. Each entity has already developed rich expertise in complementary Sustainable Mobility-related topics as illustrated in the table below:

<p><u>Training</u></p>	<ul style="list-style-type: none"> • Intelligent and innovative mobility, Nutrition, Health and mobility, Engineering, Technology, Humanities and Social Sciences, Law, Economy and Management (UCA); • Mechanical Engineering, Renewable-Energy Technology and Energy Efficiency, Electromobility and Power Networks and Computer Science (OTH); • Business Management in Logistics, Aviation Technology Social Applied Sciences, Industrial Sciences, Technology (VIVES); • Assessment and Protection of the Environment, Climate Change, Health Policy and Environmental Epidemiology, Advanced Materials and applications (UoI); • Architecture, Civil Engineering, Logistics, Technology, Circular Economy, Service Economy (TTK); • Renewable Energy, Climate Change Management, Responsible Innovation Regional Development and Public Health focusing on Physical Activity (HVL); • Medicine, Business Administration and Law, Shipbuilding and Maritime transportation, Civil engineering (UOC).
<p><u>Research</u></p>	<ul style="list-style-type: none"> • National excellence long-term project “CAP 20-25” focusing on multimodal innovation as a way to develop sustainable living and production models (UCA); • Centres of expertise on Artificial intelligence, Biomedical engineering, Health Technologies and Energy and Resources (OTH); • Centres of expertise on Agrotechnology and Biotechnology, Business Management, Education Innovation, Smart Technologies, Social Innovation and Care Innovation (VIVES); • Research Centre with specific Institutes focusing on Bioscience, Material Science and Application and Environmental and Sustainable Development (UoI); • Research groups and facilities on Interactive Transport, Logistics and Supply Chain Management Simulation, Robotics, Social and Welfare Services (TTK); • Mohn Centre for Innovation and Regional Development, Centre of Excellence in Maritime Simulator Training and Assessment, Knowledge Hub on FAIR and Open Energy Data (HVL); • Research centre on Cancer Diagnosis, Institute for Nanotechnologies and Alternative Energy Sources and Black Sea Institute for Development and Security Studies (UOC).
<p><u>Innovation and societal engagement</u></p>	<ul style="list-style-type: none"> • Transport, logistics and services project related to the skills and qualifications campus on Sustainable Mobility (UCA); • Technology campuses specialised in digital manufacturing with additive manufacturing and focusing on technology transfer to industry (OTH); • Active cooperation with profit and non-profit partners in the field of technology, health and business management (VIVES); • Projects focusing on environmental management and protection, health, education, material applications (UoI); • Projects on modernizing and digitalizing curricula in the fields of Transport, Logistics, Management according to the socio-economic needs (TTK); • Projects focusing on the role of energy communities for the low carbon energy transition and social innovation as well as Responsible Research and Innovation Ecosystems at a regional Scale (HVL); • Projects focusing on the sustainable use of resources (EIT, Raw materials community of knowledge), on restoring oceans and waters, as well as on adaptation to climate change, and CityInnoHub, a European Recognized Digital Innovation Hub (UOC).



As a joint partnership of institutions, ERASMove European University combines key assets to fulfil its mission:

- **Inter-disciplinarity:** the multifaceted issues of Sustainable Mobility can be addressed across the disciplines of Science, Engineering and Technology, Law, Economics, Management, Social Sciences, Humanities and Arts, Health and Environment.
- **A multicultural and multilingual environment:** ERASMove partners come from the north, south, east and west of Europe, representing 7 countries associated to the Erasmus+ Programme. They bring with them international and multi-cultural students, staff and networks. Learners will learn by example and enjoy common spaces (both virtual and physical) between institutions in different environments, physical, cultural, societal and economic.
- **Dialogue between different types of institutions** and close relationships with regional actors, public and private companies, decision-makers and other relevant institutions.
- **Sharing and pooling of networks, resources, tools and practices across Europe and within our communities.** The seven partner universities will closely work with a range of associate partners in their respective regions, representing different sectors and challenges. The associate partners will have a critical role in the ERASMove alliance for example in relation to curriculum development, internships, theses work, dissemination, identification of research needs, conducting test runs, etc. The educational offer will be developed in relation to their needs (tertiary curricula, Lifelong Learning courses and micro-credentials). Involvement and co-creation will be enabled through a wide range of activities: living labs, B2B meetings, start-ups, annual conferences. Community engagement and co-creation will provide balance between inclusion and excellence. The combination of each institution strengths will help providing innovative solutions to global problems.
- **Sharing and pooling of infrastructures and research capabilities among partners,** strengthening above all the regions that still have low capacities in the area of innovation, by transferring best practices from structurally stronger regions and building up structures and consolidating cooperation in the framework of an ongoing EIT HEI Initiative project called “INTREPID HEI”.
- **Increasing opportunities for seamless staff and student mobility,** through new transnational education opportunities, partnerships with private and public sector, flexible curricula, virtual exchanges, etc.

