



**Monitoring report for
sustainability mobilities II
(D 4.2)**

Energytran

Research infrastructures cooperation for energy transition between European and Latin American and the Caribbean countries.



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Narrative report on sustainability mobilities: advancing renewable energy, hydrogen technologies, and environmental innovation within the EU–LAC Energytran framework project.

1. Executive summary

This report provides a comprehensive overview of sustainability mobility activities carried out by Latin American and European institutions in the fields of environmental and ecological sciences, within the framework of the EnergyTRAN project. This overview specifically relates to Deliverable 4.2 of Work Package 4: monitoring report for sustainability mobilities.

The mobilities generated measurable outcomes, including operation of sustainable energy systems and participation in workshops and roundtables, execution of experimental studies, and collection of technical data. Qualitative achievements included consolidation of long-term research partnerships, strengthened scientific expertise, and identification of joint research opportunities. This integrated report synthesizes the contributions of all mobilities, highlighting their impact on renewable energy research and EU–LAC collaboration frameworks.

2. Introduction

The project Energytran aims to tackle the shared challenge of the energy transition by facilitating the exchange, generation, and transfer of knowledge among EU and LAC research infrastructures from a multidisciplinary perspective (technological, environmental, social). The project supports the development of public policies and regulatory frameworks that promote climate neutrality and a clean, sustainable, and just energy sector transition to advance toward a resilient society.

As part of the Energytran project, several mobilities have been carried out between research infrastructures in LAC and EU. These initiatives aim to foster through an environmental sustainability dimension, the creation of scientific cooperation networks that strengthen ties between the EU and LAC, promoting interdisciplinary collaboration and the exchange of knowledge in the field of energy transition.

From a sustainability standpoint, within the framework of the Energytran project, these mobilities promote the creation of interdisciplinary knowledge, offering a multidimensional approach to assessing the sustainability of the energy transition.

The sustainability mobility initiatives are part of a strategic international collaboration aimed at capacity building to strengthen the capabilities of research communities in LAC. This includes promoting the transfer of knowledge on sustainability aspects by addressing local needs.

3. Interest in carrying out the mobility

The interest in conducting mobility in the field of environmental sustainability and energy transition lies in its commitment to fostering innovation, interdisciplinary research, and capacity building to address global challenges.

By supporting and participating in environmentally sustainable mobility initiatives, the institutions seek to:

1. **Promote knowledge exchange:** facilitate the sharing of expertise, tools, and methodologies among researchers, institutions, and stakeholders to accelerate advancements in energy transition and environmentally sustainable practices.
2. **Strengthen collaborative networks:** build partnerships with other research infrastructures, national counterparts and institutions, and industries to create synergies that enhance the effectiveness of environmental sustainability projects.
3. **Support training and development:** provide opportunities for researchers and professionals to gain hands-on experience in cutting-edge projects, tools, and practices related to energy transition and ecological sustainability.
4. **Advance research impact:** foster the integration of biodiversity, ecosystems, and energy transition studies to deliver innovative solutions that align with the goals of the European Green Deal and global sustainability agendas.
5. **Drive evidence-based policy making** to equip experts and researchers with robust scientific data and models to guide decisions that balance ecological preservation and energy needs.

- **Objective of promoting international collaboration**

Across all types of mobilities, candidates will have the opportunity to know the various areas of work, always within the context of Open Science: the projects it undertakes, the scientific communities it collaborates with, the tools developed to meet the needs of the scientific community, as well as training and communication initiatives. In those mobilities with a specific focus, candidates will delve deeper into the sustainability thematic area.

- **Need for exchange of knowledge and good practices**

The sustainability mobilities implemented under the Energytran project are important to advancing the project's goals by fostering a holistic approach to addressing the challenges of transitioning to sustainable energy systems. These mobilities not only focus on technical innovations but also on broader systemic changes, commitment to Open Science, collaboration, and interdisciplinary knowledge exchange.

4. Number of the final sustainability mobilities

The number of sustainability mobilities that will be carried out within the framework of the project is **10 mobilities** from LAC to EU and **7 mobilities** from EU to LAC as shown in the table below:

Sending institutions from Europe	LAC and Europe institutions for receiving mobilities
From LAC to EU: 10 mobilities	
Centro Nacional de Alta Tecnología (CeNAT)	1
Tecnológico Nacional de México (TECNM)	2
Organización de Estados Iberoamericanos para la Educación, la Ciencia y la Cultura (OEI)	7
From EU- to LAC: 6 mobilities	
LifeWatch ERIC	7

4. Institutional Mobilities: a narrative account

CENAT mobility to IPS, Lifewatch and OEI (1)

Between May 11 and 24, 2025, the Centro Nacional de Alta Tecnología (CeNAT) of Costa Rica conducted a scientific mobility mission in Europe under the ENERGYTRAN Project, highlighting the importance of international collaboration to address global challenges in energy transition, biodiversity conservation, and sustainable development. The mission aimed to strengthen CeNAT's scientific and technical capacities while fostering cooperation with European institutions active in renewable energy research, open science, and environmental policy. Through academic exchange, joint research, and capacity-building activities, it advanced ENERGYTRAN's goal of promoting technological innovation, environmental sustainability, and social equity in the shift toward clean energy systems.

CeNAT's research during the mission focused on the sustainable management of natural resources and the sociocultural dimensions of energy transition. The host institutions—the Polytechnic Institute of Setúbal (Portugal), LifeWatch ERIC, and the OEI (Spain)—contributed complementary expertise at the intersection of energy, environment, and society. At the Polytechnic Institute of Setúbal, CeNAT took part in the E³UDRES² Ent-r-e-novators Science Policy Conference, presenting ENERGYTRAN's progress and exploring partnerships on renewable energy and sustainability integration into policy frameworks.

At LifeWatch ERIC, collaboration centered on developing an e-learning course for CeNAT to strengthen research capacities in open science, sensor technologies, and biodiversity conservation, complemented by hands-on training in digital tools for environmental data analysis.

The mission concluded at the Organization of Ibero-American States (OEI) in Madrid, where CeNAT participated in a technical internship focused on data science, sustainability, and project coordination, contributing to the refinement of the e-learning course and the incorporation of open science principles into ENERGYTRAN's training strategy.

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Through this European engagement, CeNAT consolidated its role as a bridge between Latin America and Europe in renewable energy and environmental research, fostering long-term scientific cooperation and advancing fair, sustainable energy transitions across both regions.

Tecnológico Nacional de México (TECNM) sustainability to LifeWatch ERIC (2)

In May 2025, the Tecnológico Nacional de México – Instituto Tecnológico de Aguascalientes- carried out two simultaneous scientific mobilities to LifeWatch ERIC under the framework of the EULAC ENERGYTRAN project, with the overarching goal of strengthening transatlantic collaboration on environmental indicators for the energy transition. These mobilities represented a strategic opportunity to exchange knowledge, explore innovative methodologies, and establish long-term partnerships between Latin American and European research institutions.

During the mobilities, participants actively engaged in the “Science and Technology Indicators for the Energy Transition” workshop, which provided a platform for discussing emerging trends, methodologies, and tools for evaluating sustainability and energy transition policies. In parallel, the visiting researchers held formal meetings with LifeWatch ERIC staff and experts, presenting their ongoing projects, sharing technical knowledge, and identifying potential areas for joint research and development. These interactions allowed both institutions to align priorities, discuss collaborative frameworks, and envision future initiatives in environmental monitoring and sustainability assessment.

Additionally, the participants conducted an official visit to the LifeWatch ERIC facilities, where they gained a comprehensive understanding of the infrastructure, technological capabilities, and operational practices of one of Europe’s leading research infrastructures. This visit enabled hands-on exposure to advanced tools and workflows, illustrating how large-scale data management, biodiversity monitoring, and open-access platforms can support evidence-based decision-making in energy transition and climate action.

The mobilities successfully achieved their objectives, fostering meaningful exchanges, identifying concrete opportunities for collaboration, and reinforcing the institutional partnership between the Tecnológico Nacional de México and LifeWatch ERIC. By participating in both the workshop and the facility visit, the researchers gained valuable insights into European practices for environmental indicators, while contributing their own expertise to the discussion. Overall, these simultaneous mobilities not only advanced knowledge transfer and capacity building but also laid the groundwork for future joint projects and initiatives, enhancing the transatlantic cooperation necessary for accelerating sustainable energy transitions and environmental research.

Organization of Ibero-American States for Education, Science and Culture (OEI) mobility to the Lifewatch ERIC (6)

As part of the Energytran project, the Organization of Ibero-American States (OEI) organized a workshop on science indicators for the energy transition with six members of the Ibero-American and Inter-American Network on Science and Technology Indicators (RICYT) from Latin American countries. The event was held in Seville, Spain, from May 19 to 21, 2025, as part of OEI’s mobility activities under the Energytran project.

On the first day of the RICYT workshop, the agenda was shared with other scientific mobility activities of the Energytran project (WP1) also taking place in Seville, including those involving UNSAM (Argentina) with the European consortium LifeWatch ERIC. This shared agenda aimed to foster exchanges between Latin American and European partners, such as the Spanish National Statistics Institute (INE), the Fundación Renovables, the Polytechnic Institute of Setúbal (IPS), and INESCTEC.

The RICYT participants included representatives from the statistical units of Ibero-American ministries responsible for science and technology policies. The OEI emphasized the importance of dialogue and international cooperation as key tools to address the global challenge of energy transition.

The main objective of the working session was to initiate methodological discussions for the development of indicators to measure the contribution of science to the energy transition in Ibero-America. The workshop produced a series of conclusions that was presented at the 12th Ibero-American Congress on Science and

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Technology Indicators (RICYT) held on November 25–26, 2025, in Montevideo, Uruguay. This congress will focus on measuring science's contribution to a sustainable world, where the outcomes of the RICYT mobility activities and the Seville workshop were presented, highlighting how science, technology, and higher education contribute to fostering innovation and sustainable development.

On the other hand, as mentioned earlier, the first day of the RICYT workshop in Seville, which shared its agenda with other scientific mobility activities of the Energytran project (WP1), provided an excellent opportunity for project partners to work and exchange ideas together during that session. The focus of the day was on the joint advancement of two key deliverables in which all of them are involved, and for which LifeWatch holds overall responsibility.

The first deliverable, D.5.1 “Software for the SDG Achievement on Research,” aims to design and test a digital tool capable of mapping and analyzing research contributions to the Sustainable Development Goals (SDGs). During the session exchange, participants discussed datasets to ensure consistency of the tool.

The second deliverable, D.5.2 “Development of the Research Platform on Climate Change and Biodiversity for Energy Transition,” focuses on creating an integrated research platform that connects data, models, and indicators related to climate change, biodiversity, and energy transition. The working session in Seville allowed to exchange and define technical requirements, for data integration and user access within the platform.

Overall, the workshop day served as a collaborative working session that strengthened coordination among the partners and advanced the operational planning of both deliverables.

From Organization of Ibero-American States for Education, Science and Culture (Costa Rica) mobility to Spain (1)

Between December 7 and 14, 2025, The Headquarter of the Organization of Ibero-american States for Education, Science and Culture in Spain hosted a technical staff from Costa Rica. The mobilities had two objectives:

- To develop a more reduced course (MOOC) of open science with the main results of the deliverable D 4.1. E-learning course on open science.
- To support the realization of an exploitation activity to obtain a political document to present on the XXX Iberoamerican Summit that will be carried out on Madrid (Spain) the 4 and 5 of November, 2026.

In the first case, the main contents of the course were selected to develop a specific MOOC including UNESCO recommendations on open science and LA Referencia (an open science repository). With this small MOOC of 8 hours aprox., Energytran partners consider it will be easier for researchers to access to the e-learning course to deepen the contents.

In the second case, a meeting with main Spanish stakeholders involved on Energytran project was carried out in order to obtain a document with political recommendations about energy transition to share on the XXX Iberoamerican Summit.

Thanks to the mobility the technical staff of OEI from Costa Rica could develop both tasks to complement research activities implemented in the Energytran project.

Lifewatch ERIC to the Centro Nacional de Alta Tecnología (CeNAT), Costa Rica (3)

Between September 15 and 27, 2025, the Centro Nacional de Alta Tecnología (CeNAT) of Costa Rica hosted three scientific mobilities under the EULAC ENERGYTRAN project, welcoming experts from two Biodiversity Research Infrastructures: Global Biodiversity Information Facility (GBIF) and LifeWatch ERIC. The mobilities aimed to strengthen capacity-building, knowledge exchange, and interdisciplinary collaboration between Europe and Latin America in Open Science, biodiversity, and environmental sustainability.

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Mobilities were framed within the researcher's line of work on Research Infrastructures, Environmental Sustainability, and Open Science, and were closely aligned with the host institution's expertise in Circular Bioeconomy, Environmental Sustainability, and Open Science. The mobilities aimed to support the organization and implementation of two major EULAC ENERGYTRAN activities in Costa Rica, conducted in collaboration with CeNAT, the Organization of Ibero-American States (OEI), and additional project partners.

The first activity was the National High-Level Event on Energy Transition and Climate Sustainability, held at the CONARE premises and coordinated by OEI. This event gathered regional and international leaders, universities, research centers, diplomatic representatives, and civil society actors to foster strategic alliances and accelerate the energy transition across Europe and Latin America. The researchers participated as speakers, presenting preliminary project results and highlighting advancements in open science practices, the use of digital research infrastructures, and the development of analytical tools to inform evidence-based climate and energy policies.

The second activity supported through the mobilities was the International E-learning Course "*Environmental Challenges and Open Science – An Approach from Innovation and Technology.*" The course was designed to train participants in open science principles, methodologies, and practical tools, emphasizing their relevance in addressing pressing environmental challenges such as climate change and ecosystem degradation. Through the course, participants engaged with open-access platforms, collaborative research approaches, and evaluation methods, ultimately strengthening their capacities to implement transparent, coordinated, and evidence-based actions.

Throughout the mobilities period, the researchers contributed to logistical coordination, hybrid event setup, speaker support, and partner liaison activities, ensuring the smooth execution of both events. Preparatory tasks included venue coordination, production of materials, assistance to international speakers, and facilitation of on-site and online interactions. Multiple working meetings were held with CeNAT staff and partner organizations, and a visit to the CeNAT (FUNCeNAT) facilities provided additional insights into their research infrastructures and ongoing initiatives.

The mobilities successfully strengthened EU–LAC collaboration in the fields of sustainability, energy transition, and open science. Both the high-level event and the e-learning course were implemented as planned, receiving highly positive feedback from participants. The activities contributed to the project's dissemination, capacity-building, and impact goals, while fostering new professional connections, reinforcing institutional cooperation, and consolidating shared interests between LifeWatch ERIC and research infrastructures across both regions.

LifeWatch ERIC to Costa Rica (2)

From 10 to 15 November 2025, two researchers from LifeWatch ERIC conducted scientific mobilities at RedCLARA in San José, Costa Rica, focusing on Research Infrastructures, Digital Transformation for Biodiversity and Ecosystem Research, and Open Science. The mobilities aimed to participate in the TICAL2025 Conference, representing LifeWatch ERIC and contributing to the regional dialogue on digital transformation, open science, and research infrastructures within the framework of the EU-LAC Digital Alliance and the BELLA II project.

TICAL2025, organized by RedCLARA and the National Research and Education Networks (NRENs) of Latin America and the Caribbean under the theme "Innovation That Transforms," brought together leaders from universities, research institutions, governments, and international organizations. The event fostered collaboration, innovation, and knowledge exchange across Europe and Latin America.

During the mobilities, EU-LAC ENERGYTRAN project was presented in the session "*Open Science for Global Challenges*", highlighting two key tools developed under the project: the Energy Transition Analytical Tool, which monitors and evaluates energy transition progress in EU and LAC countries, and the Energytran Network4Collaboration platform, which facilitates interdisciplinary cooperation and knowledge exchange between European and Latin American stakeholders. The presentation also emphasized LifeWatch ERIC's

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broader contribution to Open Science, promoting FAIR data principles, interoperable digital research environments, and scientific diplomacy to advance global sustainability.

In addition to the presentation, the researchers actively participated in plenary and thematic sessions on open science, digital transformation, and data infrastructures for sustainability. Extensive networking with representatives from research infrastructures, universities, and technology networks strengthened LifeWatch ERIC's international partnerships and increased visibility for the EU-LAC ENERGYTRAN project.

The mobilities successfully achieved its objectives, reinforcing EU–LAC cooperation in open science and digital research infrastructures, presenting the ENERGYTRAN project and its tools, and fostering new collaborations while enhancing the project's regional impact.

LifeWatch ERIC to Colombia (2)

From 20 to 24 of October 2025, two research mobilities were carried out on Living Data Conference. The general objective of these mobilities were to strengthen connections with biodiversity research infrastructures, networks, scientists, researchers, practitioners, and other experts from Latin America, fostering knowledge exchange and collaboration within the framework of regional and global biodiversity data communities. Participation in the Living Data Conference provided a unique opportunity to engage directly with leading initiatives, share experiences, and align strategies for advancing open data, interoperability, and collaborative research on biodiversity.

The specific objectives of these mobilities included:

- Learning from cutting-edge research and best practices carried out by regional and international experts in biodiversity monitoring, data management, and analysis.
- Exploring opportunities for collaboration between European and Latin American institutions, particularly in areas related to data sharing, standardization, and the development of interoperable tools and infrastructures.
- Identifying potential synergies with ongoing initiatives and networks that contribute to global biodiversity observation frameworks, such as GBIF, GEO BON, and other research infrastructure alliances.
- Promoting the visibility of European and LAC research infrastructures and fostering mutual understanding of regional priorities, technical capacities, and policy contexts.
- Gathering insights and lessons learned to inform future cooperation actions, training programmes, and joint projects aimed at enhancing the integration of biodiversity data across region.
- Contributing to capacity building and knowledge exchange by engaging in discussions, workshops, and side meetings that promote open science principles and FAIR data practices.

Overall, these mobilities aim to consolidate a bridge between European and Latin American biodiversity data communities, reinforcing the foundations for sustained collaboration and co-development of tools, methodologies, and research infrastructures supporting global biodiversity goals.

5. Integrated reflections: quantitative and qualitative insights from the sustainability mobilities of the Energytran project

▪ Quantitative insights

The sustainability mobility activities under the Energytran project generated a set of measurable outputs and structured contributions that reflect the project's technical and scientific progress across Ibero-America and Europe:

- **Participation in cross-continental scientific exchanges** between Latin American and European research institutions, reinforcing South–North collaboration within Energytran.

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- **Engagement with multiple renewable energy research infrastructures**, including solar-thermal, photovoltaic, biomass, geothermal, wind, and hydropower systems, providing concrete evidence of multi-sectoral participation.
- **Implementation of structured activities**—workshops, technical visits, conference sessions and policy discussions—aligned with Energytran’s objectives, fostering measurable knowledge sharing and capacity development.
- **Exchanges for the development of quantitative tools and platforms**, notably:
 - *Deliverable D.5.1 “Software for the SDG Achievement on Research”*, designed to map and analyze research contributions to the Sustainable Development Goals (SDGs) through comparable datasets.
 - *Deliverable D.5.2 “Research Platform on Climate Change and Biodiversity for Energy Transition”*, integrating data, models, and indicators relevant to climate change, biodiversity, and energy transition.
- **Technical exchanges on datasets and interoperability requirements**, aimed at ensuring data coherence and integration across institutional partners.
- **Training activities on open science**, including a **five-day course (September 22–26)** with three LifeWatch ERIC mobility actions, focusing on open data access, research transparency, and reproducibility through digital tools and repositories.
- **Active contribution to collaborative monitoring and policy platforms**, strengthening the evidence base for sustainability-oriented policy recommendations.
- **Establishment of shared agendas** involving multiple institutions (INE, Fundación Renovables, IPS, INESC TEC, CENIT, CENAT, LifeWatch ERIC, etc.), measurable through the number of organizations engaged and joint deliverables produced.
- **Expected measurable outcomes**, including the presentation of findings at the 12th Ibero-American Congress on Science and Technology Indicators (RICYT, November 2025) and Red CLARA (San José, 10-13 November 2025) where progress and results will be assessed.
- **Qualitative insights**

Beyond quantitative achievements, Energytran sustainability mobility actions produced significant qualitative outcomes, highlighting the transformative role of cooperation, learning, and shared innovation in advancing a sustainable energy transition:

- **Strengthened institutional collaboration and scientific networks** between Latin American (particularly Costa Rican) and European research organizations, fostering long-term partnerships.
- **Promotion of dialogue, mutual learning, and international cooperation** as essential tools to tackle the global challenges of energy transition and climate change.
- **Enhanced understanding of renewable energy systems** and their **social, environmental, and policy dimensions**, leading to more holistic approaches to sustainability.
- **Improved methodological convergence** across regions to establish **common indicators and frameworks** for measuring science’s contribution to sustainability and energy transition.
- **Integration of sustainability, science, and technology perspectives** into research evaluation and public policy processes, linking technical advances with social impact.
- **Reinforced inter-institutional coordination and operational synergies**, optimizing collaboration and planning for Energytran deliverables.

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- **Increased capacity for knowledge transfer and dissemination of best practices**, expanding the reach of scientific outputs aligned with the project’s sustainability objectives.
- **Recognition of open science as a transformative driver**, fostering collaboration, transparency, and inclusivity—by integrating diverse perspectives, including those of local communities and citizen scientists.
- **Development of strategies for sustainable, equitable, and resilient energy transitions** tailored to the Latin American and Caribbean context.
- **Creation of interdisciplinary and intercultural learning spaces** that connect technical knowledge (indicators, data platforms, software) with policy dialogue and innovation systems.
- **Cultivation of a shared vision of scientific mobility** as a mechanism for innovation, capacity building, and social transformation toward a sustainable future.

6. Policy-oriented implications from sustainability mobilities

The sustainability-oriented mobility activities implemented under the *Energytran* project reveal several key implications for energy transition, particularly regarding the governance of the energy transition and the development of sustainable, evidence-based policy frameworks.

- **Strengthening the science-policy interface**
The mobilities demonstrated how international research cooperation can directly inform public policy by generating data, indicators, and analytical tools that support decision-making in the field of sustainable energy. Deliverables such as the Software for the SDG Achievement on Research (D5.1) and the Research Platform on Climate Change and Biodiversity for Energy Transition (D5.2) provide actionable evidence to policymakers. These instruments enhance transparency and comparability across regions, allowing for the systematic integration of scientific results into policy design and evaluation processes.
- **Fostering Open and participatory science**
Training activities—such as the hybrid e-learning course “Environmental Challenges and Open Science – An Approach from Innovation and Technology”—highlighted the transformative potential of open science for policymaking. By promoting data accessibility, reproducibility, and public engagement, these initiatives contribute to democratizing knowledge production and ensuring that policy decisions are grounded in inclusive, transparent, and socially relevant scientific evidence.
- **Advancing regional integration and policy coherence**
The cross-regional collaboration between Latin American, Caribbean, and European institutions underlines the importance of policy coherence and methodological convergence in measuring science’s contribution to sustainability. Efforts to develop shared indicators and interoperable data systems foster the alignment of national and regional strategies, supporting the harmonization of STI in terms of energy transition policies across the EU–LAC area. This contributes to more coordinated governance of the energy transition and facilitates the implementation of joint sustainability agendas.
- **Building institutional capacities for evidence-based decision making**
The mobilities strengthened institutional and human capacities to generate, interpret, and use scientific evidence in policymaking. Through workshops, technical exchanges, and collaborative research, participating institutions improved their capabilities in data management, interdisciplinary analysis, and policy monitoring. These efforts contribute to building a more robust science-policy ecosystem capable of addressing the multidimensional challenges of the green transition.
- **Integrating sustainability, equity, and innovation in policy frameworks**
By linking technological innovation with social inclusion and environmental protection, the mobilities provide a model for holistic policy design. The experiences shared between EU and LAC partners demonstrate that the success of the energy transition depends not only on technological advances but also on integrating social justice, biodiversity conservation, and local context considerations into public policy frameworks.

- **Enhancing policy dialogue and international cooperation mechanism**

The mobilities reinforced the role of dialogue, partnership, and joint learning as policy tools. Platforms such as the “*Development of the Research Platform on Climate Change and Biodiversity for Energy Transition*” as one of the deliverable (D5.2) of the Energytran project, creating spaces where policymakers, researchers, and stakeholders could co-design metrics, share data and approaches for sustainable development. These mechanisms promote trust, reciprocity, and long-term collaboration between regions, contributing to a more inclusive and balanced global governance of the energy transition.

7. Conclusion on the sustainability mobilities of the Energytran project

The sustainability mobilities implemented within the *Energytran* project represent a significant contribution to advancing research, innovation, and policy collaboration in the environmental domain of renewable energy and sustainable transitions.

Through a combination of quantitative outputs—such as the creation of digital platforms, research indicators, and training activities—and qualitative achievements—such as the strengthening of scientific networks, methodological convergence, and knowledge transfer, the mobilities demonstrated the value of scientific cooperation as a driver of transformation.

The experiences documented throughout the project reveal a set of overarching conclusions that highlight the transformative potential of scientific mobility and international cooperation.

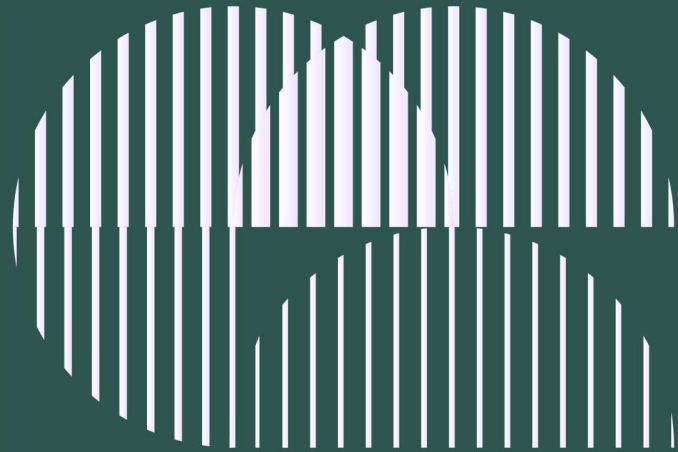
First and foremost, scientific mobility emerges as a catalyst for innovation and sustainability. By fostering interdisciplinary collaboration and enabling the exchange of knowledge across regions, mobility schemes accelerate the development of solutions to pressing global challenges such as climate change, biodiversity loss, and energy insecurity.

Equally important, open science and data-driven research prove to be fundamental pillars for transparent and effective policymaking. The adoption of open-access practices, digital platforms, and shared indicators ensures that scientific evidence becomes a public good—accessible to all and instrumental in fostering collective action and public trust. The project also underscores that EU–LAC cooperation offers a valuable model for equitable and resilient energy transitions. This partnership illustrates how regions with diverse socioeconomic realities can jointly construct sustainable pathways by aligning technological innovation with social inclusion and environmental responsibility.

Furthermore, capacity building and institutional learning are shown to be vital long-term investments for sustainable governance. The skills, methodologies, and networks developed through mobility experiences provide a lasting foundation for future collaborative initiatives and for policy frameworks that integrate sustainability across sectors.

Finally, the findings reaffirm that policy impact is greatest when there is an ongoing dialogue between science and governance. Continuous interaction among researchers, institutions, and policymakers fosters adaptive governance—ensuring that public policies evolve in step with scientific progress and the changing needs of society.

Energytran sustainability mobilities have shown that the transition toward a clean, just, and resilient energy future depends on strong scientific cooperation, shared data infrastructures, and inclusive policy processes. The outcomes of these activities will serve as a reference for designing future EU–LAC initiatives that bridge research and policy for sustainable development.



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