

Development of the research platform of climate change and diversity for energy transition (D5.2)

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



INDEX

EXECUTIVE SUMMARY	3
1. INTRODUCTION	4
2. DESCRIPTION OF THE RESEARCH PLATFORM: NETWORK4COLLABORATION	4
2.1. Platform language	
2.2. Platform access	
2.3. Users profile	
2.4. Home page	
2.5. Network	
2.6. Marketplace	
2.7. News	
2.8. Events	5
3. DATA DESCRIPTION	16
4. DATA MANAGEMENT AND ACCESS	18
5. CONCLUSION	18

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EXECUTIVE SUMMARY

This deliverable presents a descriptive dataset summarizing the activity and engagement of the Energytran Network4Collaboration, a digital platform developed within the Energytran project to foster cooperation and knowledge exchange between Europe (EU) and Latin America and the Caribbean (LAC) in the field of energy transition. The platform serves as a virtual networking and collaboration space connecting researchers, policymakers, civil society, and private sector stakeholders. Its primary objective is to facilitate interdisciplinary collaboration, promote the exchange of experiences and best practices, and stimulate joint research and innovation addressing environmental, social, and technological challenges of the energy transition.

The dataset includes key indicators such as the number of registered users, frequency of platform access, published news items, collaboration opportunities, events, and the geographic distribution of platform users. All data were collected by the project team in December 2025, using the platform's internal analytics, registration database, and administrative logs. No personal or sensitive information was included, and the dataset is descriptive in nature, aiming to provide an informative overview of platform usage.

Beyond its descriptive function, the deliverable contextualizes the dataset by detailing the platform's main functionalities, including multilingual navigation, user profiles, networking features, opportunities, events, and resources. These features collectively foster engagement, knowledge sharing, and collaboration within the Energytran community, supporting the project's overarching goal of promoting a clean, sustainable, and socially just energy transition.

Overall, the dataset and accompanying description provide a clear picture of the platform's performance, reach, and community dynamics during the implementation period. It highlights the effectiveness of digital collaborative tools in connecting EU and LAC stakeholders, enabling interdisciplinary interaction, and reinforcing the objectives of the Energytran project.

1. INTRODUCTION

This deliverable presents a descriptive dataset summarizing the activity and use of the Energytran Network4Collaboration, an online platform developed within the framework of the Energytran project to foster cooperation and knowledge exchange between EU and LAC in the field of energy transition.

The Energytran Network4Collaboration has been conceived as a virtual networking and collaboration environment that connects researchers, policymakers, civil society representatives, and private sector actors working on issues related to sustainable energy systems. Its primary objective is to promote interdisciplinary collaboration, facilitate the exchange of experiences and best practices, and stimulate joint research and innovation actions addressing shared environmental, social, and technological challenges associated with the transition to clean energy.

Beyond serving as a communication hub, the platform acts as an interactive space where users can access news, collaboration opportunities, events, and a wide network designed to foster engagement and cooperation within the Energytran community and beyond. It plays a key role in advancing the project's overarching objective, to address the energy transition as a shared global challenge, by facilitating the exchange, generation, and transfer of knowledge between EU and LAC research infrastructures.

The dataset included in this deliverable provides a series of indicators describing the platform's activity and engagement during the implementation period. These indicators include the number of registered users, platform access, published news and events, and opportunities for collaboration shared among participants. The purpose of this dataset is informative, to illustrate the level of interaction and engagement achieved by the platform, rather than to provide reusable or FAIR-compliant scientific data.

The following sections present an overview of the platform's main functionalities to contextualize how these indicators were generated and how the Energytran Network4Collaboration contributes to the project's objectives. It also describes the dataset and the data sources used to compile it.

2. DESCRIPTION OF THE RESEARCH PLATFORM: NETWORK4COLLABORATION

This section presents and describes the core components and functionalities that have been developed to ensure that the collaborative platform is fully operational, intuitive, and user-friendly (see Figure 1). The platform has been designed to foster active interaction and knowledge exchange among users while ensuring accessibility and security. Each feature has been implemented to support collaboration, transparency, and community growth across the Energytran network.

The platform's main functionalities are summarized below and described in the following sections:

- Multilingual navigation
- Restricted access to the platform
- User profile
- Home page
- Network
- Marketplace

- My Network
- My collaboration Opportunities
- Resources



Figure 1. Main functionalities offered by the Network4Collaboration Platform.

2.1 Platform language

The platform supports multilingual navigation, allowing users to access content and functionalities in multiple languages, specifically English, Spanish and Portuguese (see figure 1). This feature ensures inclusivity and improves accessibility for most members of LAC and EU countries, fostering seamless collaboration across diverse linguistic backgrounds. Users can easily switch languages through the language selector integrated into the platform interface.

2.2 Platform access

To access the Network4Collaboration platform, users should visit the official website at <https://energytran.network4collaboration.lifewatch.eu/> and request access by clicking the “Request Access” button, available both at the bottom of the homepage and in the header banner. Upon clicking, a sign-in pop-up window appears, guiding users through the registration or login process.

The platform offers four different authentication options, providing flexibility and convenience for users with diverse institutional backgrounds. Access can be obtained by logging in with:

1. A LifeWatch ERIC account,
2. A Google account,
3. An EOSC-federated account, or
4. Any other institutional or personal account compatible with the system’s authentication protocols (see Figure 2).

This multi-access structure ensures secure and inclusive participation, enabling users from a wide range of organizations and countries to easily join and engage with the Energytran collaborative community.

The screenshot shows a sign-in page titled "Sign In with your credentials". It includes an email input field, a password input field, a "Remember me" checkbox, and a "Forgot Password?" link. A blue "Log in" button is present. Below this, there is an "Or sign in with" section with three options: "LifeWatch ERIC", "Google", and "Federation with EOSC". A "Register" button is located at the bottom. Green arrows and text boxes provide the following explanations:

- LifeWatch ERIC:** Sign in for institutions affiliated to LifeWatch ERIC
- Google:** Sign in for members with professional google account
- Federation with EOSC:** Sign in for institutions federated with the European Open Science Cloud
- Register:** Sign in bottom when no previous options apply

Additional text at the bottom of the form reads: "If you cannot access write an email to support.mylifewatch@lifewatch.eu. If you do not have any of the specified accounts, you can register through the following link."

Figure 2. Explanation of the different sign-in options provided by the platform.

During the initial sign-in process, platform members are required to complete a three-step registration (see figure 3). First, they must provide their personal details and indicate their role (i.e. researchers, policy makers, private sector or citizen). Once completed, they will be able to sign-in the platform.

The registration process consists of three steps:

- Step 1:** "We would like to enrich your profile:" with a progress bar showing "1 Personal", "2 Role", and "3 Thank you". The form includes fields for:
 - First name * (ARDA)
 - Last name * (SOTO CLAVERO)
 - Current position * (Senior Researcher)
 - Organization name * (LifeWatch ERIC)
 A "Next" button is at the bottom.
- Step 2:** "We would like to enrich your profile:" with a progress bar showing "1 Personal" (checked), "2 Role", and "3 Thank you". The text says "Select what role defines you the best, I am a...". There are four buttons: "Researcher" (red), "Policy maker" (green), "Private sector" (orange), and "Citizen" (blue).
- Step 3:** "We would like to enrich your profile:" with a progress bar showing "1 Personal" (checked), "2 Role" (checked), and "3 Thank you". The text says "Thank you, we hope you enjoy using this platform." and includes a "Back" button.

Figure 3. Three step process to register to the Network4Collaboration platform.

After registering, users will see a pop-up window (figure 4) requesting access when they use the platform for the first time. Platform administrators will then verify their email and access rights before granting or denying permission to enter the application

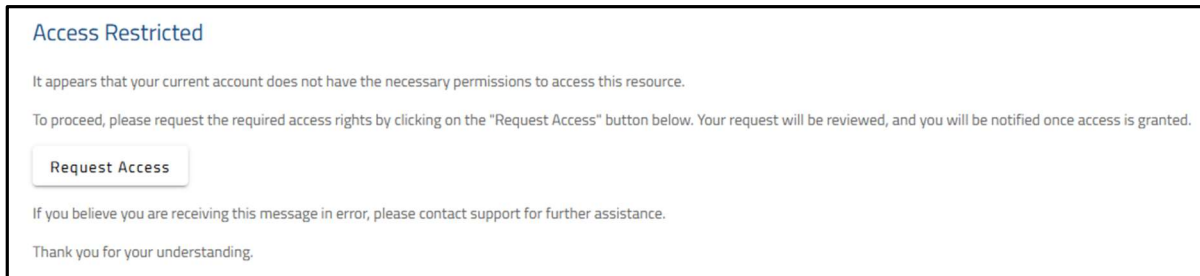


Figure 4. Pop-up window displayed when the user first attempts to access the platform's functionalities

2.3 Users profile

To ensure proper use of the platform, members are required to complete their profiles by providing the necessary information (figure 5). The profile includes the following different fields: Name, organization, current position, email address, phone number, personal web, address, nationality, birthday, level of education, description of your activity, areas of expertise and areas of interest.

Members also have the option to upload a profile picture and attach additional documents (such as a CV) to enrich their profile and provide further context about their background.

Figure 5. Information fields required to complete a user profile.

2.4 Home page

The homepage of the platform serves as the main entry point for users to explore and engage with the Energytran Network4Collaboration (see figure 6). It presents a clear, informative, and engaging

overview of the platform, highlighting its goals, community, and tools to facilitate active collaboration and long-term partnerships between the EU and LAC regions in support of a sustainable energy future.

The homepage is structured into several key sections that introduce the platform's purpose, community, and functionalities:

- **About the platform:** This introductory section outlines the platform's overarching goal: to encourage the exchange of knowledge, experiences, and best practices related to the environmental, social, and technological dimensions of the energy transition. It highlights the platform's role as a collaborative hub supporting research and innovation across regions.
- **Project summary:** Provides an overview of the Energytran project, explaining its multidisciplinary approach and objectives, including modernization of clean energy technologies, integration of sustainability principles, and the promotion of fair and inclusive energy transition policies.
- **Who we are:** Introduces the diverse and inclusive community behind the platform, comprising members from academia, government, civil society, and industry. It emphasizes the collaborative spirit and shared commitment to advancing sustainable energy solutions through open dialogue and mutual learning. It includes the logos of the project partners and links to their websites.
- **What we do:** Describes the platform's main activities and interactive features, such as sharing news, events, and collaboration opportunities. It explains how members can join working groups, network with peers, and participate in discussions that foster interdisciplinary cooperation and policy impact.
- **How the collaborative network works:** Provides practical guidance for users on how to join and navigate the platform. It briefly introduces the main sections available to registered users:
 - **Network:** Browse and connect with other members.
 - **News:** Access community updates and relevant announcements.
 - **Events:** Explore upcoming and past events related to the energy transition.
 - **Opportunities:** Find and share collaboration or funding opportunities.

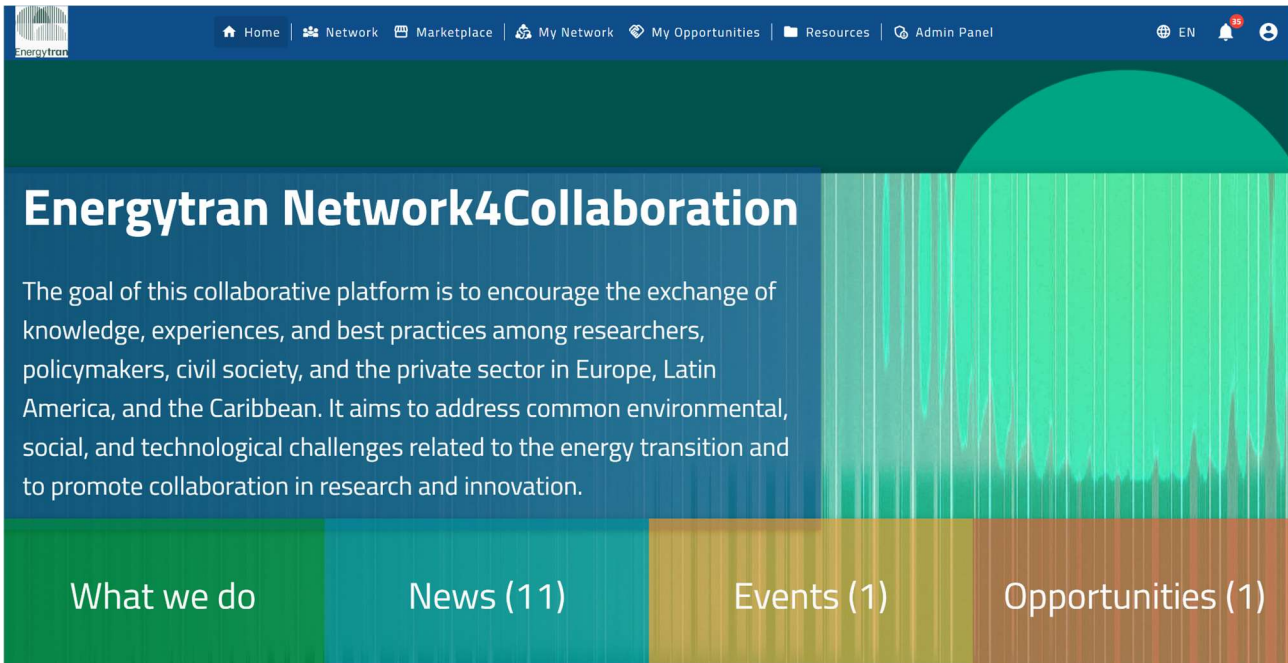


Figure 6. Visualization of the upper section of the homepage

2.5 Network

The networking functionality (figure 7) allows platform members to explore other member profiles within our community. This functionality allows users to generate and stay connected with stakeholders that meet each member's needs.

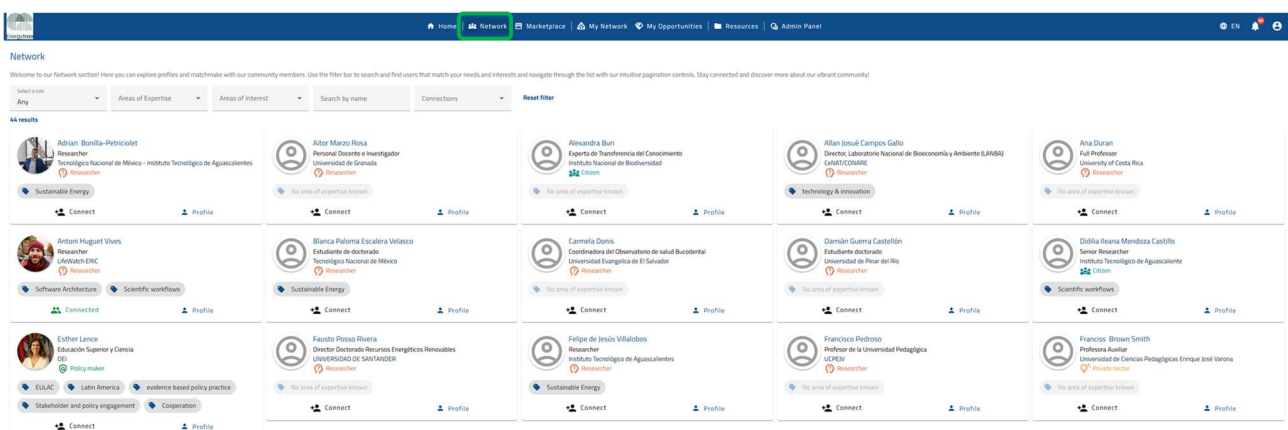


Figure 7. Overview of the network section of the Energytran Network4Collaboration Platform

Members of the platform can use the search and filter bar to find specific users, and navigate the member list with a user-friendly search bar (figure 8). The specific filters to find other users are: role, areas of expertise (as keywords), areas of interest (as keywords), name, connection (differentiating between first and second level).

Network

Welcome to our Network section! Here you can explore profiles and matchmake with our community members. Use the filter bar to search and find users that match your needs and interests and navigate through

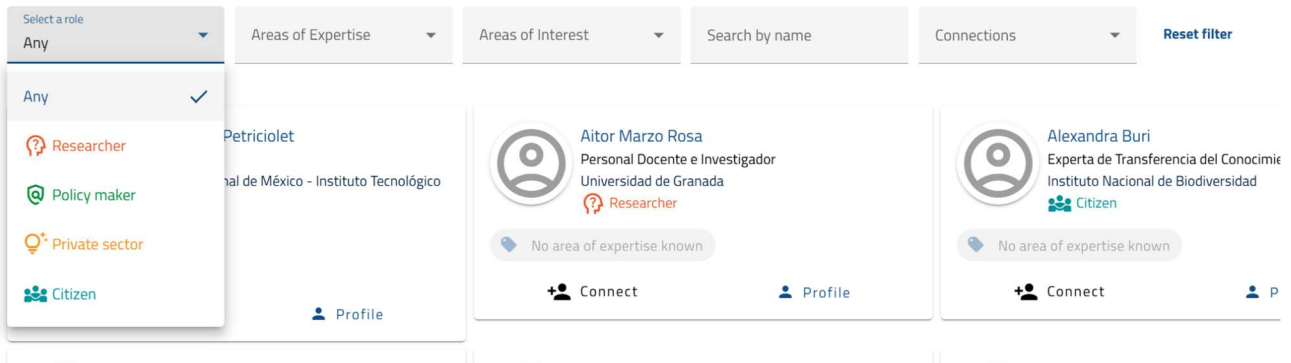


Figure 8. Filter bar of the Network4Collaboration Platform networking section

Members of the platform can send messages to other users (see Figure 9) to initiate a connection. Once the recipient accepts the request, both users will be connected and can begin exchanging information, such as collaboration opportunities.

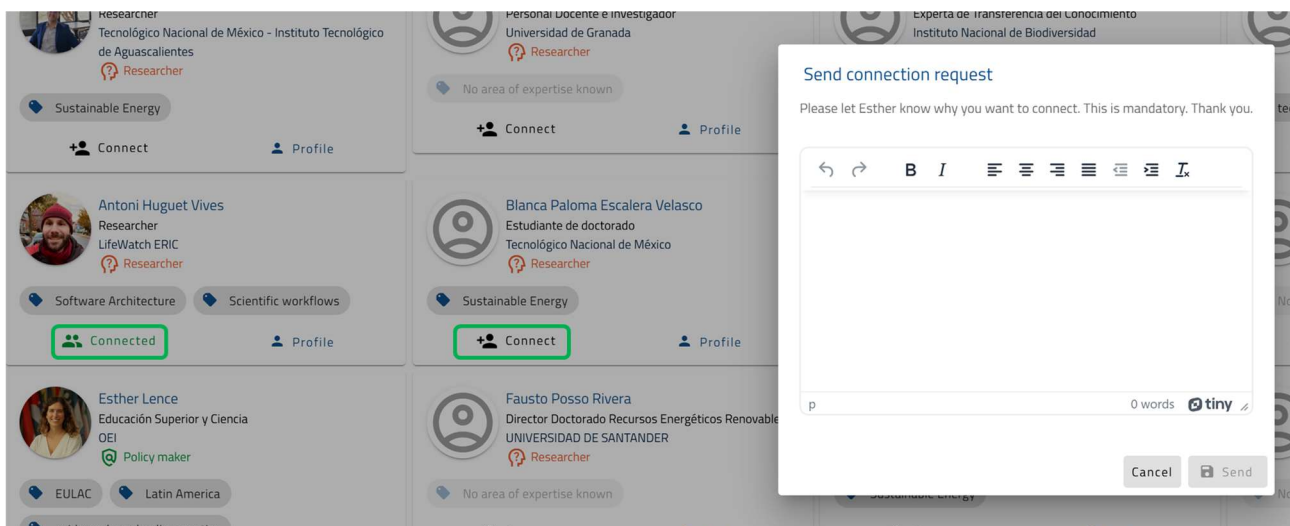


Figure 9. Pop-up window that appears when connecting with other members of the platform.

2.6 My Network

In this section users can visualize and manage the members they are connected with and the members that invited them to be part of their specific network (figure 10).

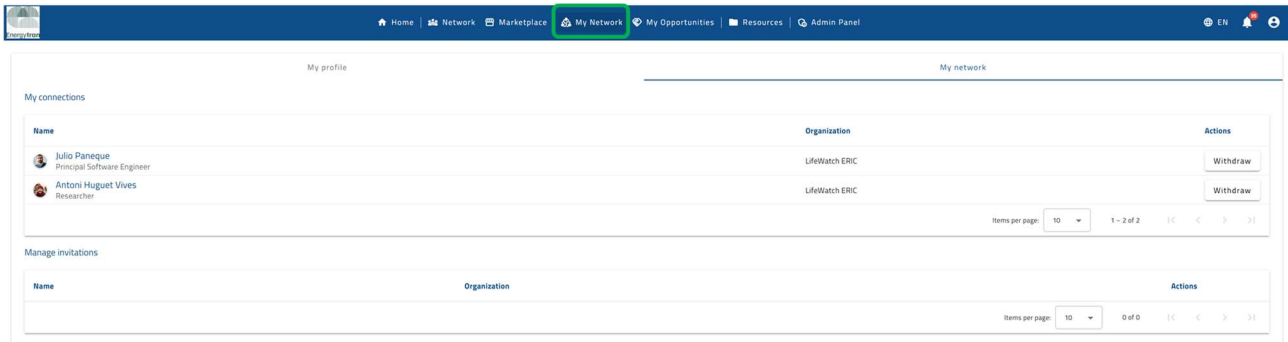


Figure 10. Visualization of my network section with the different contacts.

2.7 Marketplace

This section of the platforms facilitates members' exchange, discovery and promotion of activities of interests for the community. The section is composed of news, events and opportunities for collaboration.

2.7.1 News

In this subsection (figure 13) members can find the latest updates and announcements included by platform members. It counts with a search bar to locate specific articles, and browse older updates effortlessly.

Members can also include new articles by clicking in the “create a new article” (marked in green in figure 11). A title, short description, full new article text, expiration date and image are the fields established to publish a news article (figure 12).

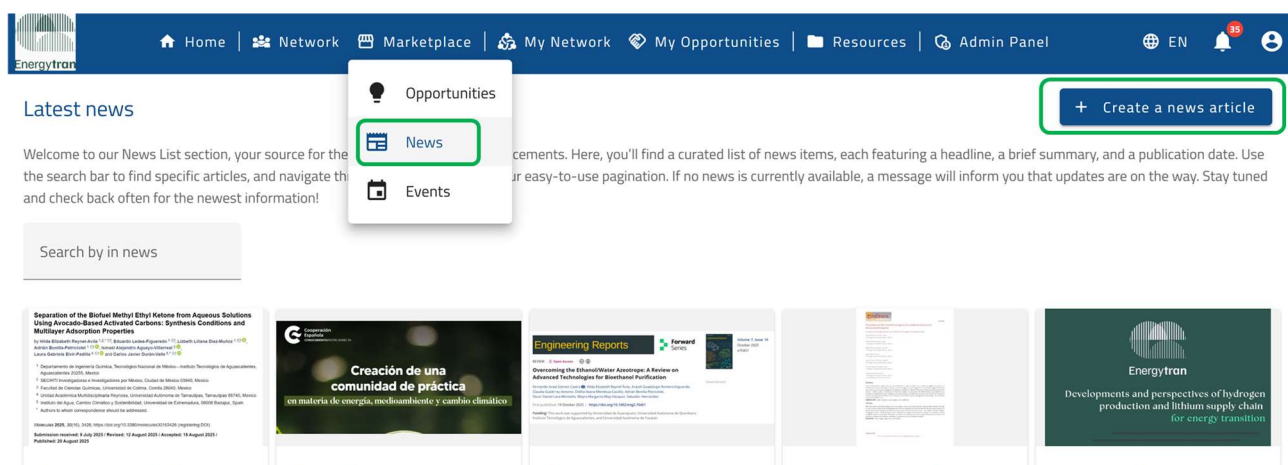


Figure 11. Visualization of the news section of the Marketplace.

[Create a news article](#)

News / Create a news article

Title *

Short description, this text will be used in the news preview *

← → **B** *I* ☰ ☰ ☰ ☰ ↶ ↷ 🔗 🔗

Full news article text, this text will be displayed when the user opens the news item

p

Expires at

Image for the news item:

Figure 12. Visualization of the pop-up window that appears when creating a new article.

2.7.2 Events

In this subsection (figure 13) members can explore upcoming events, both online and in person. By using the search bar, they can easily search for specific events and browse past or future listings.

Members can also include new events by clicking in the “create event” (marked in green in figure 13). A title, short description, full description of the event, start and end date and time, participation mode (i.e. physical, hybrid or online), event url, address and image are the fields required to publish a new event (figure 14).

Energytran

Home | Network | Marketplace | My Network | My Opportunities | Resources | Admin Panel

Events

Welcome to our Events section! Discover... events. Use the search bar to find specific events that interest you, and navigate through past and future events with our easy-to-use p... the latest happenings—check back often for new and exciting events!

Search by title

SAVE THE DATE: EVENTO FINAL Energytran

Miradas ante la transición energética en Iberoamérica
Perspectivas sobre a transição energética na América Latina
Perspectives on the energy transition in Latin America

26 - 27 de noviembre / Pontificia Universidad Católica de Chile (Santiago de Chile)
26 - 27 de noviembre / Pontificia Universidad Católica de Chile (Santiago de Chile)
26 - 27 de noviembre / Pontificia Universidad Católica de Chile (Santiago de Chile)

Inscripción
Inscripción
Inscripción

Financiado por la Unión Europea

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Figure 13. Visualization of the events section of the Marketplace.


Create Event


Events / Create Event

Title of the event *

Short description *

Full description of the event, this text will be displayed when the user opens the event

Starts at *  Starts at time * 00:00

Ends at *  Ends at time * 00:00

Type *
Physical

URL

Figure 14. Visualization of the pop-up window that appears when creating a new event.

2.7.3 Opportunities

In this subsection (figure 15) members can discover unique collaboration opportunities shared by community members. They can search for specific opportunities that match their interests or expertise and explore them using simple filters. Areas of expertise, key words and name are the 3 defined search parameters.

Figure 15. Visualization of the opportunities section of the Marketplace.

Figure 16. Visualization of the pop-up window that appears when creating a new opportunity.

Members can also include new events by clicking in the “create opportunity” (marked in green in Figure 15). A title, short description, full description of the opportunity, closing date, category (i.e. policy paper, funding opportunity, inspirational practice, research project, service, challenge, other),

areas of expertise (as open text), key words (open text), location and website are the fields required to publish a new opportunity (figure 16). Additionally, members can attach files for sharing more details about the opportunity characteristics.

2.7.4 My Opportunities

In this section you can visualize the state of both the opportunities placed by the member (not only the active ones but the archives) as well as the opportunities the member applies for (figure 17). Here the member can modify them as well as to assess the status and take action if needed.

The screenshot displays the 'My Opportunities' section of the Energytran platform. At the top, there is a navigation bar with links for Home, Network, Marketplace, My Network, My Opportunities, Resources, and Admin Panel. The main content area is titled 'My Opportunities' and is divided into two sections:

- Opportunities placed by me:** This section provides an overview of opportunities created by the user. It includes filters for 'Active (0)' and 'Archived (1)', a '+ Create opportunity' button, and pagination controls showing 'Items per page: 10' and '1 - 1 of 1'.
- My opportunities applications:** This section provides an overview of opportunities the user has applied to. It includes filters for 'Active (0)' and 'Archived (0)'. Below the filters is a table with the following columns: Opportunity, Closing date, Category, Initiator, Request at, Status, and Actions.

Figure 17. Visualization of “my opportunities” section of the platform.

2.8 Resources

In this section members can explore all the content and reference documents uploaded by other members. Members can find articles, guides, videos among others (see figure 18 for the full list of resources categories identified within the working group). Additionally, platform members are allowed to generate and share a complete folder by clicking in the 3 dots.

Resources

Welcome to the Resource Sharing Hub, a collaborative space where community members can upload, share, and discover valuable files. Easily upload your resources, categorize them for better organization, and explore contributions from other members. Together, we build a shared repository to empower and connect our community.

Project resources

The following resources will be shared with all the project members:

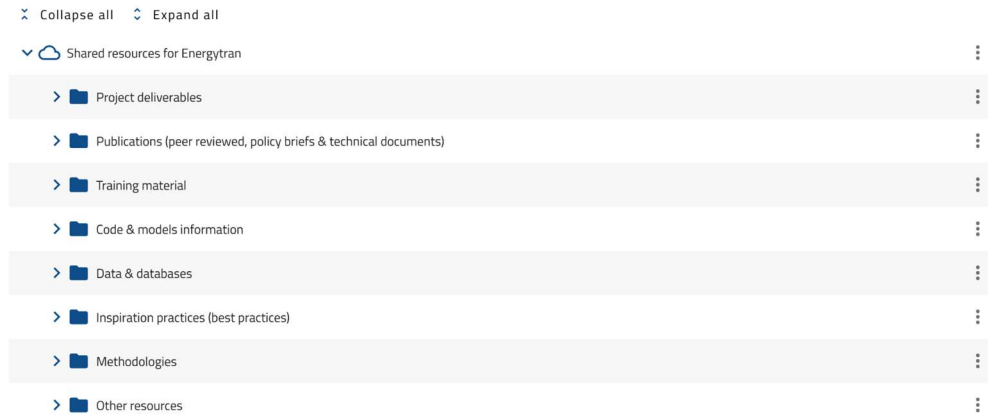


Figure 18. Visualization of the full list of resources categories.

3. DATA DESCRIPTION

To assess the level of use and engagement within the collaborative platform, a series of quantitative indicators were defined and monitored. These indicators provide valuable insights into user activity, content generation, and geographic distribution, thereby reflecting the platform's overall effectiveness in fostering collaboration, knowledge exchange, and interaction among its community of users.

All data were extracted from the platform's internal analytics tools, user registration database, and administrative logs. The collection process was carried out manually by the project team the 1st of December 2025 to ensure consistency and data accuracy. The resulting dataset captures aggregated information only; no personal, sensitive, or identifiable user data were collected or processed in compliance with GDPR and ethical research principles.

The indicators derived from these data sources provide a clear picture of the platform's performance and community dynamics from the end of August to the end of November 2025. They offer a quantitative overview of its reach, activity levels, and overall impact as a collaborative environment supporting the Energytran objectives. Specifically, the dataset includes metrics such as the number of registered members, published news items, collaboration opportunities, and events, as well as the number of platform visits, user access requests, and the geographical distribution of users reflected in the number of countries accessing the platform. Together, these indicators help assess the platform's effectiveness in promoting interaction, knowledge sharing, and cross-regional engagement among the Energytran community as can be seen in the following table.

Table 1. Quantitative indicators to assess the platform’s performance and community dynamics

Indicator	Description	Calculation	Source	Value
Registered members	Total number of users who have successfully registered and gained access to the platform. It reflects the size and growth of the active community engaged in collaborative activities.	Total count of user accounts with approved access to the platform	Platform user registration database	47
Published news	Total number of news items published on the platform, including project updates, announcements, and relevant scientific or policy news shared by members or administrators.	Number of news articles available in the platform’s News section	Platform News management module	15
Published opportunities	Count of all collaboration or funding opportunities published within the platform’s “Opportunities” section. It demonstrates the level of interaction and resource sharing among users.	Total number of opportunity entries created in the platform’s Opportunities section	Platform Opportunities management module	3
Published events	Number of events (e.g., workshops, webinars, conferences)	Count of events listed in the platform’s Events section	Platform Events management module	5

	posted on the platform, either by administrators or community members. It reflects the dynamism and engagement of the user network.			
Number of visits to the platform	Overall traffic to the platform, indicating visibility, reach, and user interest over time.	Total unique and repeat visits recorded by web analytics tools.	Web analytics system integrated into the platform	1050
Number of countries accessing the platform	This indicator reflects the geographic diversity of platform users and visitors, showing the international reach and inclusiveness of the collaborative network.	Count of distinct countries identified by IP addresses or user registration data	Web analytics system or user registration database (geolocation data).	60

4. DATA MANAGEMENT AND ACCESS

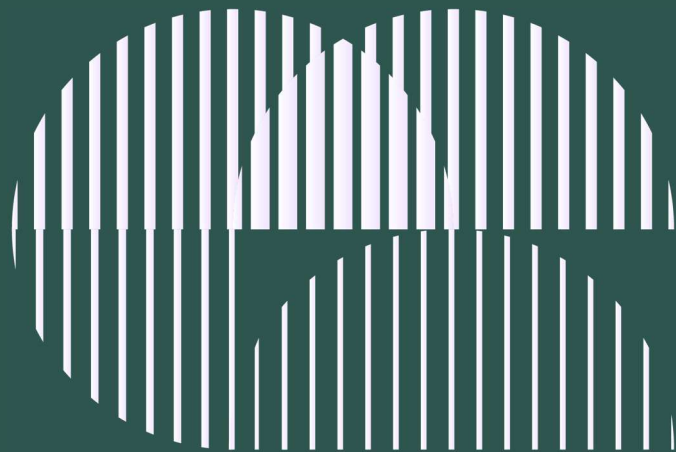
The dataset presented in this deliverable is not intended for further use, sharing, or long-term preservation. It does not include personal or scientific data, and therefore does not fall under FAIR data management requirements. The data are static and will not be updated after the end of the project.

5. CONCLUSION

The Energytran Network4Collaboration platform has been successfully implemented as a virtual environment to support cooperation and knowledge exchange between European and Latin American research communities addressing energy transition challenges. By connecting researchers, policymakers, civil society representatives, and private sector actors, the platform facilitates the sharing of knowledge, experiences, and best practices, thereby strengthening cross-regional collaboration across technological, environmental, and social dimensions.

The dataset presented in this deliverable provides a quantitative overview of platform activity and engagement during the implementation period. Key indicators, including the number of registered members, published news, collaboration opportunities, and events, as well as platform visits and geographic reach, offer insight into the level of participation and the effectiveness of the platform in fostering interaction and collaboration. These descriptive data provide valuable evidence of the platform's operational performance and its contribution to the project objectives.

In conclusion, the Energytran Network4Collaboration platform represents a key project outcome, demonstrating the value of digital infrastructures in enhancing research connectivity and facilitating interdisciplinary cooperation. The platform supports the overarching goal of the Energytran project to advance a sustainable, inclusive, and socially responsible energy transition, providing a practical framework for ongoing collaboration between EU and LAC research communities.



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