



Horizon Europe (HORIZON) - HORIZON-CL5-2024-D3-01-11

AI Testing and Experimentation Facility (TEF) for the energy sector – bringing technology to the market

Project no. 101172705



**Large-Scale Testing and Experimentation Facility (TEF) for Assessing,
Validating, and Enhancing AI-Powered Next-Generation Energy Solutions**

D7.2 Dissemination, Communication and Stakeholder Engagement Activities Interim Report

By FBA

Thursday, 2nd July, 2026

Workpackage: WP7 – Dissemination, Exploitation and Impact Outreach

Authors:	FBA
Status:	Final
Date:	2/07/2026
Version:	1.0
Classification:	Public

Disclaimer:

The EnergyGuard project is co-funded by the Horizon Europe Programme of the European Union under grant agreement No. 101172705. This document reflects only authors' views. The EC is not liable for any use that may be done of the information contained therein.

Dissemination, Communication and Stakeholder Engagement Activities Interim Report

EnergyGuard Project Profile

Grant Agreement No.: 101172705

Acronym:	EnergyGuard
Title:	Large-Scale Testing and Experimentation Facility (TEF) for Assessing, Validating, and Enhancing AI-Powered Next-Generation Energy Solutions
URL:	http://www.energy-guard.eu
Start Date:	01/01/2025
Duration:	36 months

Partners

	EREVNITIKO PANEPISTIMIAKO INSTITOUTO SYSTIMATON EPIKOINONION KAI YPOLOGISTON (ICCS), Decision Support Systems Laboratory, DSSLab <u>Co-ordinator</u>	Greece
	CENTRO DE INVESTIGACAO EM ENERGIA REN - STATE GRID SA (RDN)	Portugal
	CENTRO DE INVESTIGACIONES ENERGETICAS MEDIOAMBIENTALES Y TECNOLOGICAS (CIEMAT)	Spain
	COMMISSARIAT A L ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES (CEA)	France
	FUNDACION CARTIF (CARTIF)	Spain
	RIGA MUNICIPAL AGENCY "RIGA ENERGY AGENCY" (REA)	Latvia
	BLUENERGY REVOLUTION SCRL (BER)	Italy
	METASYMBOSE SAS (MS)	France
	LUXPROVIDE SA (LXP)	Luxembourg
	FUNDINGBOX ACCELERATOR SP ZOO (FBA)	Spain
	FORA FOREST TECHNOLOGIES SLL (FORA)	Spain
	FYLLA ANASTASIA (AF)	Greece
	ENGREEN SRL (ENGREEN)	Italy
	BUVNIECIBAS VALSTS KONTROLES BIROJS (SCCB)	Latvia
	HAL SERVICE SPA (HAL)	Italy

Dissemination, Communication and Stakeholder Engagement Activities Interim Report

Document History

Version	Date	Author (Partner)	Remarks
0.1	11/06/2026	Magdalena Czerny (FBA)	First Draft
0.3	24/06/2026	Arturo Ibanez (FBA), Francesco Vitellaro (ENGREEN)	1st Internal Review
1.00	02/07/2026	Spiros Mouzakitis, Vangelis Karakolis (ICCS)	Review and Final Version

Executive Summary

This deliverable serves as the Interim Report for Work Package 7, compiling all dissemination, communication, stakeholder engagement, and clustering activities executed from Month 1 to Month 18. Importantly, although the previous preliminary strategic plan (D7.1, submitted during M6) set out local action plans and monitoring methods for these channels, at this early stage of the project – given its initial phase – no formal progress or quantitative indicators were analysed. Consequently, this report covers the entire, uninterrupted operational period from month 1 to month 18 to provide a continuous, empirical baseline of results.

The primary objective of this period has been building a qualified community of interest around the EnergyGuard Minimum Viable Product (MVP) and the launch of the testing sandbox infrastructure. This report evaluates performance against the established Key Performance Indicators (KPIs), documents partner-led dissemination actions, verifies the operation of central digital channels, and details the strategic alignment with regional innovation networks and complementary European facilities.

Table of Contents

1	Introduction and project overview	10
1.1	Executive Summary & Progress Overview.....	10
2	Central Digital Channels Performance	11
2.1	Public Web Analytics (energy-guard.eu)	11
2.1.1	Web KPI Compliance Matrix.....	11
2.1.2	Inbound Acquisition Channels.....	12
2.1.3	Content Engagement and Interaction Quality.....	12
2.2	Professional Social Media Analytics (LinkedIn).....	13
2.2.1	LinkedIn KPI Compliance Matrix.....	13
2.2.2	Content Performance and High-Impact Case Studies.....	13
2.2.3	In-Depth Follower Demographics Analysis	14
2.3	Audio-Visual Channel Performance (YouTube)	17
2.3.1	Overview of Video Dissemination Status	17
2.3.2	Audio-Visual KPI Compliance Matrix	17
3	Stakeholder Engagement & Retention Hubs.....	18
3.1	Electronic Corporate Bulletins (Newsletters)	18
3.2	Newsletter KPI Compliance Matrix.....	18
3.3	Comprehensive Performance and Campaign Engagement Analytics	18
3.4	Digital Interactive Community Forums (Discord)	19
3.4.1	Discord KPI Compliance Matrix.....	19
3.4.2	Core Channel Architecture & Content Layout	20
4	Ecosystem Outreach & Knowledge Diffusion	21
4.1	Physical Dissemination: Trade Fairs, Exhibitions, and Industrial Conferences	21
4.2	Event KPI Compliance Matrix	21
4.3	Comprehensive Event Participation Registry	21
4.3.1	DATAMITE Meet-up (Athens, Greece).....	22
4.3.2	ICE Valencia / IEEE ITMC 2025 (Valencia, Spain)	23
4.3.3	ADRA Forum 2025 (Stavanger, Norway).....	25
4.3.4	Roundtable AI foundation models for the energy sector Workshop (originally Brussels , switched to online, due to strikes).....	26
4.3.5	Enlit Europe 2025 (Bilbao, Spain).....	27

Dissemination, Communication and Stakeholder Engagement Activities Interim Report

4.3.6	EURADA Working Group on Digitalisation	29
4.3.7	KEY - The Energy Transition Expo (Rimini, Italy).....	29
4.3.8	Workshop on European AI Foundation Model for Energy Grids (Brussels, Belgium)	30
4.3.9	AI Enables Cybersecurity Meetup Event (Athens, Greece).....	31
4.3.10	EU Startups Summit 2026 (Malta)	32
4.3.11	ICEIS 2026 Conference (Benidorm, Spain).....	33
4.3.12	ICE 2026 (Porto, Portugal)	33
4.4	Scientific Knowledge Diffusion: Publications Ledger	35
4.5	Publications KPI Compliance Matrix.....	35
4.6	Comprehensive Publications Registry	35
4.6.1	Official European AI Alliance Dissemination (Futurium Portal)	36
4.6.2	Cross-TEF Clustering & Joint Webinar Coordination	37
4.6.3	Collaboration Workshop Events (M1-18)	37
4.6.4	Joint Webinar Registry (M1–M18)	38
4.7	Qualitative Evaluation of Clustering Milestones.....	38
5	EnergyGuard Experts Advisory Board	40
6	Connection of the Dissemination, Communication and Stakeholder Engagement Activities to T7.4 “Exploitation and market readiness assessment”	41
6.1	Value Proposition and Targeted Messaging	41
6.2	The Early Adopter Programme and Market Validation	41
7	Deviations, Risk Management & Next Sprints	42
7.1	Quantitative Deviations Summary and Corrective Actions.....	42
7.2	Dissemination Roadmap for the Next Reporting Period (M19–M36).....	42

Dissemination, Communication and Stakeholder Engagement Activities Interim Report

List of Figures

Figure 1: Sessions by Traffic Source	12
Figure 3: Followers by Seniority	15
Figure 4: Followers by Company Size	15
Figure 5: Industry Profile	16
Figure 6: Job Function Profile	16
Figure 7: Top Followers Locations	16
Figure 8: EnergyGuard at DATAMITE event	23
Figure 9: Advancing the European Green Deal session	24
Figure 10: EnergyGuard at ADRA Forum.....	25
Figure 11: EnergyGuard at Enlit Europe.....	27
Figure 12: EnergyGuard at Energy Transition Expo	30
Figure 13: EnergyGuard banner at AI meets Cybersecurity Event.....	32
Figure 14: EnergyGuard presentation at ICE 2026.....	34

List of Tables

Table 1: Web KPI Compliance Matrix (Tracks Website Sessions, Page Views, and Durations)	11
Table 2: LinkedIn KPI Compliance Matrix (Tracks Accumulative Followers, Posts, and Interactions) .	13
Table 3: Audio-Visual KPI Compliance Matrix (Tracks Project Videos and Webinar Recordings)	17
Table 4: Newsletter KPI Compliance Matrix (Tracks Total Broadcasted eNewsletters Against lifetime Goals)	18
Table 5: Comprehensive Performance and Campaign Engagement Analytics (Editions 1–4 Open & Click Rates)	19
Table 6: Discord KPI Compliance Matrix (Tracks Active Technical Community Member Counts).....	20
Table 7: Event KPI Compliance Matrix (Tracks Attended Industrial Exhibitions and Trade Fairs).....	21
Table 8: Comprehensive Event Participation Registry (The Operational Log of All Partner-led Event Travel)	22
Table 9: Publications KPI Compliance Matrix (Tracks Conference and Peer-Reviewed Journal Deliveries)	35
Table 10: Comprehensive Publications Registry (The Official Open-Access Scientific Paper Index)....	36
Table 11: Joint Webinar Registry (M1–M18) (Schedules Cross-TEF Clustering Timelines and Target Profiles).....	38
Table 12: Organisations part of the Experts Advisory Board	40

List of Abbreviations

AI – Artificial Intelligence
AIOD – AI-on-Demand
AIOTI – Alliance for AI, IoT and Edge Continuum Innovation
BDVA – Big Data Value Alliance
BTC – Beta Testing Campaign
CRM – Customer Relationship Manager
CXO – Chief Experience Officer
DOA – Description of the Action
DSO – Distribution System Operator
DTA – Digital Transformation Accelerator
EAB – Experts Advisory Board
EDIH – European Digital Innovation Hubs
EFFRA – European Factories of the Future Research Association
EPES – Electric Power and Energy Systems
ESCO – Energy Services Company
EU – European Union
GDPR – General Data Protection Regulation
HPC – High-Powered Computing
IDSA – International Data Spaces Association
IEEE – Institute of Electrical and Electronics Engineers
IFIP – International Federation for Information Processing
KPI – Key Performance Indicators
ML – Machine Learning
MoU – Memorandum of Understanding
MVP – Minimum Viable Product
O&M – Operations and Maintenance
RES – Renewable Energy Sources
SDO – Standardisation Organisations
SME – Small and Medium Enterprise
TEF – Testing and Experimentation Facilities
TSO – Transmission System Operator
VC – Venture Capital
WG – Working Groups

1 Introduction and project overview

1.1 Executive Summary & Progress Overview

This report reviews all communication, dissemination, and stakeholder engagement activities for the EnergyGuard project from Month 1 (January 2025) through Month 18 (June 2026). The document is covering the entire 18-month timeline to provide the review panel with complete, uninterrupted data continuity. While our initial strategy plan (Deliverable 7.1, submitted at Month 6) established our target KPIs and tracking methods, the project was in too early a stage at that point to analyse actual progress. This report fills that gap with a clear baseline of our performance so far.

Month 18 represents the mid-point of **Phase II: "Inform and Interact" (M13–M24)**, a distinct operational phase defined inside the project's baseline strategy, **Deliverable 7.1 (*Dissemination, Communication and Stakeholder Engagement Plan*)**. As detailed in that foundational framework, the EnergyGuard communication strategy is structurally divided into three sequential phases designed to mirror the technical readiness and rolling releases of the testing infrastructure:

- **Phase I: Raising Awareness (Months 1-12)** – Focuses on establishing the project's visual identity, building the foundational digital infrastructure (the energy-guard.eu portal, LinkedIn, YouTube and Discord), and driving baseline sector visibility to seed an initial network of interested parties.
- **Phase II: Inform and Interact (Months 13-24) [Current Phase]** – Shifts the focus toward deep stakeholder engagement, technical cross-TEF clustering webinars and active interactive community-building. This phase leverages the release of early technical assets to foster deep, two-way engagement with clean-tech developers, SMEs and utility operators.
- **Phase III: Promotion (Months 25-36)** – Moves into high-intensity, hyper-targeted conversion campaigns. This final phase explicitly coincides with the full operational readiness of the centralised data lake and simulation nodes, driving service onboarding for the early 2027 open **"Test-Before-Invest"** validation campaigns.

Reaching Month 18 means the project is officially pivoting from basic brand-building to technical service promotion, ecosystem clustering and targeted outreach. The rest of this document tracks our performance against lifetime KPIs, breaks down channel metrics, addresses mid-term deviations and sets up our workflows to maximise market impact before the open validation calls go live.

2 Central Digital Channels Performance

All the metrics across our digital channels have been collected and calculated using the following baseline parameters:

- **Reporting Period:** All data covers the full, uninterrupted 18-month window from Month 1 to Month 18 (1 January 2025 to 30 June 2026) to give an accurate, continuous baseline of our results.
- **Tools & Data Sources:** Website traffic was tracked using Google Analytics 4 (GA4). Professional B2B audience metrics were pulled directly from LinkedIn's analytics. Video performance and viewership numbers come from YouTube Studio and newsletter metrics (distribution, open and click rates) were tracked through HubSpot.
- **Extraction Date:** All digital metrics shown in this section were pulled from the respective platforms on **15 June 2026**.

2.1 Public Web Analytics (energy-guard.eu)

Throughout Phase I and the opening months of Phase II, the public portal energy-guard.eu served as the primary digital anchor for the EnergyGuard. To ensure tracking and data-driven evaluation of the project's impact, Google Analytics 4 was deployed immediately when the website officially launched in June 2025. The following analysis covers the cumulative reporting window from June 2025 to June 2026.

2.1.1 Web KPI Compliance Matrix

KPI Metric	Description of the action (DoA). Lifetime Target (M36)	Actual Performance (M18)	Progress Rate (%)	Status Assessment
Website Visits / Sessions	5,000	1,075	21.5%	Under Track / Activated Acceleration
Website Page Views	10,000	24,000	240.0%	Target Exceeded
Average Visit Duration	2 minutes	1 minute 57 seconds	97.5%	On Track / Fully Aligned

Table 1: Web KPI Compliance Matrix (Tracks Website Sessions, Page Views, and Durations)

2.1.2 Inbound Acquisition Channels

- **Direct Traffic (56.93% | 612 Sessions):** The primary entry point, driven by direct consortium interactions, offline handouts and targeted email campaigns. Users entering via this channel demonstrate the highest engagement depth, averaging 1m 07s per session and generating 6.76 events per session.
- **Organic Search (35.44% | 381 Sessions):** Natural search discovery reflects a growing organic footprint across global search engines. Search quality remains exceptionally high, yielding an engagement rate of 53.28%. Search queries show strong brand equity, led by direct matches: "energyguard" (184 clicks) and "energy guard" (63 clicks).
- **Referrals and Ecosystem Anchors (5.12% | 55 Sessions):** Referral sources highlight the success of initial clustering and event outreach. Notably, the external industry platform enlit-europe.com¹ emerged as a top traffic generator (16 sessions), validating the visibility gained during the consortium's physical presence at major EU grid events. Strategic partner cross-linking also contributed to onboarding, such as traffic routed from rea.riga.lv² (10 sessions).

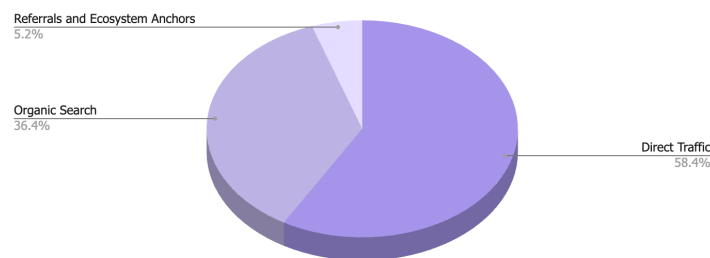


Figure 1: Sessions by Traffic Source

2.1.3 Content Engagement and Interaction Quality

The total recorded page views reached 24,000, drastically outperforming the lifetime target of 10,000 views, confirming that while fewer individual users visited the site, those who did clicked through multiple pages deeper into the technical framework. The EnergyGuard TEF Project Home page received the highest volume (1.3k views), followed by the About EnergyGuard page (521 views). Crucially, action-oriented tabs such as Get in Touch (171 views) and Dissemination Materials (130 views) show

¹ <http://enlit-europe.com> – EnergyGuard's participation at Enlit Europe took place on 18 November 2025, represented jointly by the Project Coordinator (ICCS) and the WP7 Leader (FBA). This dissemination action is formally recorded and detailed within the Comprehensive Event Participation Registry in Section 4.1.2 of this report.

² ea.riga.lv is the official web portal of the Riga Municipal Agency "Riga Energy Agency" (REA). REA is a core EnergyGuard consortium partner leading the project's residential buildings pilot and high-fidelity digital twin infrastructure in Riga, Latvia.

Dissemination, Communication and Stakeholder Engagement Activities Interim Report

that external users are actively looking for contact lines and technical assets. Geographically, active user hubs appear across European smart-grid and AI capitals: Amsterdam (37 users), Athens (21 users), Dublin (20 users), Lisbon (19 users), and Riga (14 users).

2.2 Professional Social Media Analytics (LinkedIn)

LinkedIn³ serves as the project's primary digital channel for professional outreach, B2B engagement, and industrial community building. The channel is strategically positioned to capture the interest of AI developers, clean-tech startups, Transmission System Operators (TSOs), Distribution System Operators (DSOs), and researchers, funneling them toward the open-access TEF platform.

2.2.1 LinkedIn KPI Compliance Matrix

KPI Metric	DoA, Lifetime Target (M36)	Actual Performance (M18)	Progress Rate (%)	Status Assessment
Accumulative Followers	750	421	56.1%	On Track / Steady Growth
Accumulative Posts	1,000	77	7.7%	Under Track / Mitigation Required
Channel Interactions	250	667	266.8%	Target Exceeded

Table 2: LinkedIn KPI Compliance Matrix (Tracks Accumulative Followers, Posts, and Interactions)⁴

2.2.2 Content Performance and High-Impact Case Studies

The channel has maintained an active professional core over its 77 individual broadcast posts, accumulating 28,627 impressions, 2,407 clicks, and a sustained average engagement rate of 10.29%. Qualitative analysis shows that the audience responds strongest to live consortium deployments:

³ <https://www.linkedin.com/company/energy-guard-tef/>

⁴ Note: Channel Interactions are strictly calculated as the sum of organic/sponsored Reactions (650) and Reposts (17). When including total clicks (2,407) and comments (10), total channel engagement stands at 3,084 interactions.

Dissemination, Communication and Stakeholder Engagement Activities Interim Report

1. [*AI Enables Cybersecurity Meetup 2026 \(Athens, Greece\)*](#)⁵: Represented by Project Coordinator Spiros Mouzakis and the DSS Lab (EPU-NTUA) team, this post recorded 1,362 impressions, 567 clicks, and 27 likes.
2. [*1st Project Plenary Meeting \(Lisbon, Portugal\)*](#)⁶: Hosted by partner R&D Nester, this foundational roadmap post secured 1,116 impressions, 218 clicks, and 31 likes.
3. [*Hydrogen Digital Twin Technical Showcase*](#)⁷: Led by a Senior Researcher from the CARTIF Technology Centre, this feature post focused on simulating electrolyzers and fuel cells, generating 930 impressions and 56 likes.

2.2.3 In-Depth Follower Demographics Analysis

The demographic profile of EnergyGuard's 421 followers validates that the dissemination funnel is successfully reaching high-level industrial profiles:

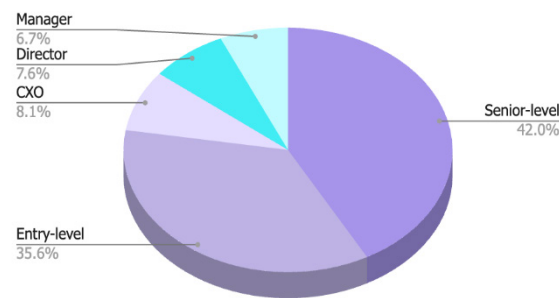
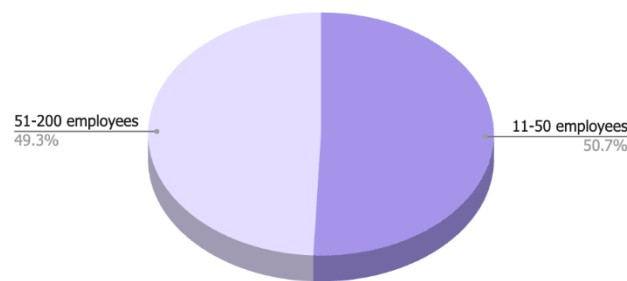
- **Seniority and Company Size:** Senior-level professionals represent the single largest group (150 followers), followed by Entry-level engineers (127 followers). Executive and directorial profiles are highly visible, including CXOs (29), Directors (27), and Managers (24). In terms of organisation size, companies with 11–50 employees (72 followers) and 51–200 employees (70 followers) form the core.

⁵ <https://www.linkedin.com/feed/update/urn:li:activity:7417174424245825536/>

⁶ <https://www.linkedin.com/feed/update/urn:li:activity:7343963792138981376/>

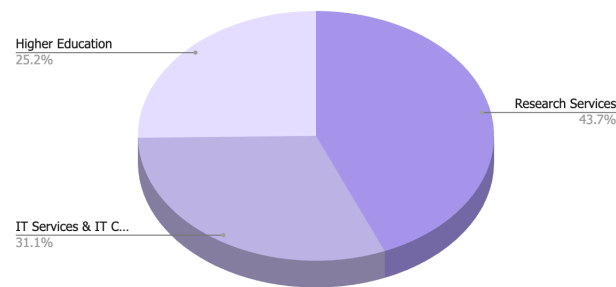
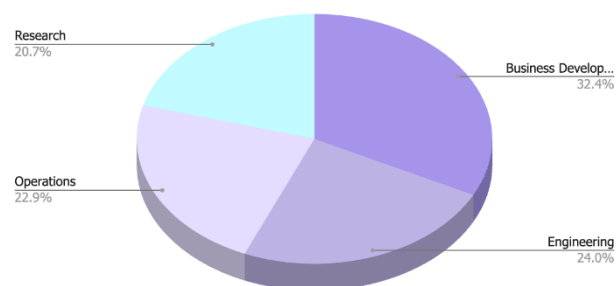
⁷ <https://www.linkedin.com/feed/update/urn:li:activity:7439226466359201792/>

Dissemination, Communication and Stakeholder Engagement Activities Interim Report

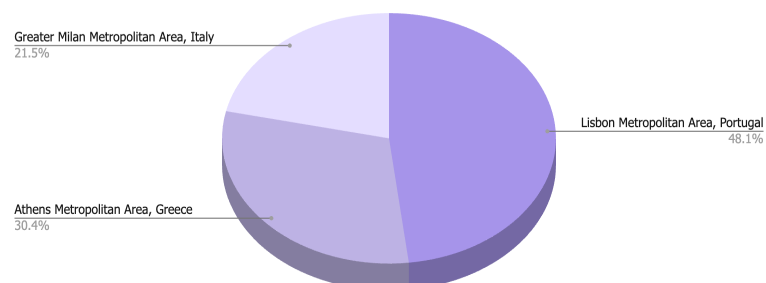
LinkedIn Follower Demographics (Seniority & Company Size)**Figure 2: Followers by Seniority****Figure 3: Followers by Company Size**

- **Industry and Job Function Profile:** The top professional industries represented across the follower network are Research Services (45 followers), IT Services & IT Consulting (32 followers), and Higher Education (26 followers). This professional spread is mirrored in the leading job functions, where Business Development (58), Engineering (43), Operations (41), and Research (37) make up the top brackets.

Dissemination, Communication and Stakeholder Engagement Activities Interim Report

LinkedIn Follower Demographics (Industry & Job Function Profile)**Figure 4: Industry Profile****Figure 5: Job Function Profile**

- **Geographic Hubs:** Geographically, the top concentrations of followers map onto the physical locations of EnergyGuard's consortium nodes and pilot facilities: Lisbon Metropolitan Area, Portugal (38 followers), Athens Metropolitan Area, Greece (24 followers), and Greater Milan Metropolitan Area, Italy (17 followers).

LinkedIn Follower Demographics (Top Followers Locations)**Figure 6: Top Followers Locations**

2.3 Audio-Visual Channel Performance (YouTube)

2.3.1 Overview of Video Dissemination Status

In alignment with the multi-channel approach established in the D7.1 plan, YouTube⁸ serves as the project's repository for rich media content, hosting project overviews, platform walk-throughs, and recorded webinar sessions. Moving beyond traditional long-form corporate presentations, the consortium executed a strategic pivot during Phase II to embrace short-form, high-impact video dissemination via YouTube Shorts.

This agile approach allows the project to break down complex technical milestones – such as data lake ingestion parameters or digital twin physics simulations – into highly digestible, mobile-optimised clips. While the main channel functions as a steady-state repository, the introduction of short-form media has successfully accelerated our technical content pipeline ahead of schedule.

2.3.2 Audio-Visual KPI Compliance Matrix

The table below tracks our specific video output metrics against the long-term target values set out in the baseline dissemination plan.

KPI Metric	DoA, Lifetime Target (M36)	Actual Performance (M18)	Progress Rate (%)	Status Assessment
Project Videos Produced	6 Videos	15 Videos	250%	Target Exceeded
Webinar Recordings Hosted	5 Videos	2 Videos	40.0%	On Track / Corresponds to Event Timeline

Table 3: Audio-Visual KPI Compliance Matrix (Tracks Project Videos and Webinar Recordings)

⁸ <https://www.youtube.com/@EnergyGuardTEF>

3 Stakeholder Engagement & Retention Hubs

3.1 Electronic Corporate Bulletins (Newsletters)

Newsletters are our main digital tool for staying in touch with our target audience and keeping stakeholders engaged with the project's milestones.

To build our subscriber database, the consortium actively captures leads through three primary avenues:

- **Website sign-ups:** A dedicated subscription section on the public energy-guard.eu portal allows interested visitors to directly opt-in.
- **Event outreach:** Direct calls-to-action are integrated into our presentations and materials at the physical trade fairs, exhibitions we attend and online events.
- **Social Media campaigns:** Regular promotional pushes and call-to-action links are shared via our official LinkedIn posts.

Through these combined channel funnels, the project has accumulated a total of **91 verified subscribers** at the Month 18 mark.

3.2 Newsletter KPI Compliance Matrix

KPI Metric	DoA, Lifetime Target (M36)	Actual Performance (M18)	Progress Rate (%)	Status Assessment
eNewsletters Sent	9 Editions	4 Editions	44.4%	On Track / Fully Aligned

Table 4: Newsletter KPI Compliance Matrix (Tracks Total Broadcasted eNewsletters Against lifetime Goals)

3.3 Comprehensive Performance and Campaign Engagement Analytics

The consortium has successfully built and maintained a professional database, broadcasting four complete newsletter editions between July 2025 and June 2026.

Dissemination, Communication and Stakeholder Engagement Activities Interim Report

Edition	Distribution Date	Open Rate (%)	Click Rate (%)	Click-Through Rate (CTR) (%)
Edition 1	2 July 2025	37.14%	1.43%	3.85%
Edition 2	8 December 2025	34.78%	1.45%	4.17%
Edition 3	31 March 2026	35.21%	1.41%	4.00%
Edition 4	10 June 2026	30.67%	2.67%	8.70%

Table 5: Comprehensive Performance and Campaign Engagement Analytics (Editions 1–4 Open & Click Rates)

The engagement data from Edition 1 through Edition 3 demonstrates a remarkably stable professional baseline, maintaining an open rate consistently above 34%. Edition 4 marks a significant behavioral shift within our audience funnel. While the macro open rate experienced a slight decompression to 30.67%, the internal interaction quality recorded unprecedented growth. The Click Rate nearly doubled to 2.67%, and the Click-Through Rate increased to 8.70%, indicating a highly motivated core of active users executing targeted clicks.

3.4 Digital Interactive Community Forums (Discord⁹)

The consortium deployed an official Discord forum integrated into the project's digital ecosystem. This platform serves as a ground-level, interactive hub designed to facilitate knowledge exchange, support agile software developers, and provide a direct communication line between external innovators and pilot facility operators.

3.4.1 Discord KPI Compliance Matrix

The table below tracks the community acquisition metrics at Month 18 against the long-term target established in the Deliverable 7.1 baseline plan.

⁹ <https://discord.com/channels/1166693532065615872/1361715016109261033>

Dissemination, Communication and Stakeholder Engagement Activities Interim Report

KPI Metric	DoA, Lifetime Target (M36)	Actual Performance (M18)	Progress Rate (%)	Status Assessment
Active Community Members	300 Members	147 Members	48.6%	Progressing Steadily

Table 6: Discord KPI Compliance Matrix (Tracks Active Technical Community Member Counts)

3.4.2 Core Channel Architecture & Content Layout

To maintain a structured, spam-free environment that maximises value for incoming users, the Discord channels are divided into three primary dedicated channels:

- **#news-updates:** Functions as a centralised broadcast node. This channel is used to disseminate scientific papers (such as the ICEIS 2026 data lake architecture publication), macro project announcements, consortium milestones and technical documentation releases.
- **#events:** It lists real-time updates regarding forthcoming webinars organised directly by the EnergyGuard consortium, collaborative workshops and external international trade fairs (e.g., Enlit Europe, ICE Valencia) where partners are representing the project.
- **#supportive-partners:** Dedicated to the growth of our Supportive Partners Network. This channel features the recurring "**Partner Spotlight**" initiative, which systematically introduces ecosystem members to one another, shares updates on partner-led clean-tech initiatives and encourages multi-lateral cooperation across different European regions.

4 Ecosystem Outreach & Knowledge Diffusion

4.1 Physical Dissemination: Trade Fairs, Exhibitions, and Industrial Conferences

In accordance with the physical dissemination guidelines, presence at major European exhibitions, trade fairs and scientific meetups is critical to executing the acquisition strategy.

4.2 Event KPI Compliance Matrix

KPI Metric	DoA, Lifetime Target (M36)	Actual Performance (M18)	Progress Rate (%)	Status Assessment
Attended Events	20	8	40.0%	On Track / Steady Accumulation

Table 7: Event KPI Compliance Matrix (Tracks Attended Industrial Exhibitions and Trade Fairs)

4.3 Comprehensive Event Participation Registry

EnergyGuard partners have maintained an active presence at eight key industrial events, establishing major ecosystem anchors:

Partner Involved	WPs Involved	Event Name	Date
ICCS	WP1	DATAMITE meetup	6 Feb 2025
ICCS + FBA	WP1 + WP7	ICE Valencia	16 June 2025
FBA	WP7	ADRForum	24 Sept 2025
ICCS	WP1+WP7	Roundtable Workshop event - AI foundation models for the energy sector	14 October 2025
ICCS + FBA	WP1 + WP7	Enlit Europe	18 Nov 2025
FBA	WP1 + WP7	EURADA workshop	19 Nov 2025
ICCS	WP1 + WP7	Workshop event on European AI Foundation Model for Energy Grids	8 December 2025

Dissemination, Communication and Stakeholder Engagement Activities Interim Report

ICCS	WP1+WP7	AI Enables Cybersecurity Meetup Event Athens	14 January, 2026
ENGREEN	WP7	Key Energy	4-6 March 2026
FBA	WP7	EU Startups Summit	7 May 2026
CARTIF	WP3	ICEIS 2026 Conference	23 May 2026
ICCS	WP2	ICE 2026 Conference	22-24 June 2026

Table 8: Comprehensive Event Participation Registry (The Operational Log of All Partner-led Event Travel)

Early attendance at the DATAMITE meetup by ICCS and the ICEIS conference by CARTIF allowed technical teams to benchmark the baseline architecture of the data lake and semantic frameworks against peer Horizon Europe projects. Joint attendance by the Coordinator (ICCS) and the WP7 Leader (FBA) at ICE Valencia and Enlit Europe successfully established major ecosystem anchors, generating immediate inbound referral traffic from high-interest entities like Enlit Europe. FBA's physical coverage of the ADRForum, the EURADA workshop and the EU Startups Summit directly engaged regional innovation networks and early-stage clean-tech venture capital spaces.

4.3.1 [DATAMITE Meet-up](#)¹⁰ (Athens, Greece)

- **Partner Involved:** ICCS (WP1)
- **Date:** 6 February 2025
- **Description:** This event was a technical meetup in Athens focused on cross-project technical alignment among select Horizon Europe data-space and AI projects. The session functioned as a direct working meeting centered on data monetisation architectures, open data sharing models, and decentralised data space frameworks.

¹⁰ <https://datamite-horizon.eu/2025/01/27/save-the-date-datamite-meet-up-event/>

Dissemination, Communication and Stakeholder Engagement Activities Interim Report



Figure 7: EnergyGuard at DATAMITE event

- **Objectives:**

- To evaluate open-source data lake frameworks currently deployed by parallel European projects.
- To benchmark early WP1 architectural designs for data ingestion against European data sovereignty guidelines.
- To align semantic metadata requirements for grid asset sharing with established peer frameworks.

- **Outcomes:**

- Architectural Alignment: The ICCS technical team gathered data governance parameters that directly informed the baseline setup of WP1 tasks. Technical Risk Reduction: Identifying data inconsistencies experienced by parallel projects allowed the team to build a more resilient ingestion pipeline, reducing development friction during the early data lake setup.

4.3.2 ICE Valencia / IEEE ITMC 2025¹¹ (Valencia, Spain)

- **Partner Involved:** ICCS + FBA (WP1 + WP7)
- **Date:** 16–19 June 2025 (Special Session organised on 17 June 2025)
- **Description:** The 31st Edition of the International Conference on Engineering, Technology and Innovation (ICE) and IEEE International Technology Management Conference, centered on driving digital transformation, AI adoption and efficiency in engineering ecosystems. The

¹¹<https://www.bam.ac.uk/resource/ice-ieee-itmc-2025-nitim-doctoral-school-advancing-ai-and-innovation-in-valencia.html#:~:text=From%20June%2016th-19th%202025%2C%20the%2031st%20Edition%20of,development%2C%20and%20driving%20efficiency%20in%20engineering%20and%20manufacturing>

Dissemination, Communication and Stakeholder Engagement Activities Interim Report

consortium co-organised and executed a dedicated, 150-minute interactive Special Session titled "Advancing the European Green Deal" during the main conference tracks in Valencia. This session brought together regional European Digital Innovation Hubs (EDIHs), industrial grid operators and key clean-tech software developers alongside three complementary European initiatives – AI REDGIO, COSMIC and AMALTEA – to map out digital technology adoption pathways for the 2050 Green Deal sustainability goals.



Figure 8: Advancing the European Green Deal session

- **Objectives:**

- To present a clear explanation of the EnergyGuard Testing and Experimentation Facility (TEF) concept and detail how it operates in practice for the energy sector.
- To position specialized energy TEFs alongside upcoming AI Factories, the AI-on-Demand Platform, EU Regulatory Sandboxes, and EDIH networks to form a unified European support ecosystem.
- To pitch live open calls, funding opportunities, and technical assessment resources directly to attending clean-tech startups and SME software engineering teams.

- **Outcomes:**

- **Ecosystem Harmonisation:** FundingBox successfully structured and moderated the session, establishing collaborative ties with cross-border hub networks through a dedicated keynote address by EDIH CROBOHUB++ on fostering sustainable industrial transformation for smaller businesses.
- **TEF Concept Promotion:** Project Coordinator Spiros Mouzakis (ICCS) served as a core panelist, delivering a targeted presentation on how EnergyGuard's large-scale validation facilities de-risk advanced AI testing before market entry. The panel gathered field insights regarding industry funding gaps, workforce training needs, and technical integration barriers across traditional sectors like construction and manufacturing.

Dissemination, Communication and Stakeholder Engagement Activities Interim Report

- **Lead Generation Pipeline Activation:** The event concluded with a practical "Opportunities for SMEs" forum co-presented by Spiros Mouzakis and Maria Roca (FBA). This targeted segment outlined our upcoming sandbox onboarding paths, directly accelerating early stakeholder engagement and growing our community network database.

4.3.3 **ADRA Forum 2025¹² (Stavanger, Norway)**

- **Partner Involved:** FBA (WP7)
- **Date:** 23–24 September 2025
- **Description:** The premier European AI, Data and Robotics Association (ADRA) Forum, gathering institutional policy makers, research hubs and European Digital Innovation Hubs (EDIHs) to discuss strategic autonomy and trustworthy technology deployment. EnergyGuard took a central role at the Forum by co-organising and hosting a joint, 75-minute interactive workshop alongside the COSMIC project.



Figure 9: EnergyGuard at ADRA Forum

The session, titled "**Trustworthy AI for Energy Resilience: Driving Strategic Autonomy through TEFs, SMEs, and Data Innovation,**" was structured to bridge the gap between regional innovation networks and centralised European testing infrastructure. The session was opened and closed by Mayte Carracedo (FBA) and featured technical presentations paired with a live ecosystem mapping exercise for attending European Digital Innovation Hubs (EDIHs), researchers, and small businesses.

¹² <https://adrforum.eu/about-adrf-2025>

Dissemination, Communication and Stakeholder Engagement Activities Interim Report

- **Objectives:**

- To present EnergyGuard's core infrastructure assets – including the Portuguese Transmission Network digital twin, the CEDER-CIEMAT Microgrid, and the Riga residential digital twin – and explain how they support real-world validation.
- To benchmark the objectives of EnergyGuard and COSMIC against the practical business challenges SMEs face when attempting to adopt advanced AI tools.
- To execute a live, ground-level collaboration mapping exercise to clarify the distinct roles of EDIHs (regional outreach and digital readiness), TEFs (safe large-scale validation and certification), and EU-funded projects (innovation pilots and funding pipelines).
- To identify friction points in communication and strategy, and generate immediate, actionable workflows to move AI tools from the lab to the market smoothly.

- **Outcomes:**

- **Ecosystem Integration:** The workshop successfully mapped out the ideal AI Uptake Journey for engineering firms, walking participants through the milestones from early readiness assessments (led by EDIHs) to prototyping, testing, and final business deployment (validated by TEFs).
- **Thematic Presentations:** Adrian Carrasco Revilla presented COSMIC's multi-sectoral approach using Core Technical Facilitators to scale industrial pilots. Maria Roca (FBA) introduced EnergyGuard's framework, focusing on how the testing facility provides an accessible sandbox for trustworthy AI compliance.
- **Pipeline Building:** Gathered direct performance feedback from the audience, helping EnergyGuard streamline its onboarding path for underrepresented regional hubs ahead of the upcoming 2027 open validation calls.

4.3.4 Roundtable AI foundation models for the energy sector Workshop (originally Brussels , switched to online, due to strikes)

- **Partner Involved:** ICCS (WP1)
- **Date:** 14 October 2025
- **Description:** The three Energy TEFs and EC, (hosted by EPRI) organised a roundtable workshop for AI foundation models for the energy sector. While Artificial Intelligence (AI) can optimize power grid, forecast demand, and enhance grid reliability, its deployment in these areas is still limited. In this workshop the European Commission would like to better understand the challenges and the solutions that could be established in the power system to accelerate the implementation of AI innovative solutions. Utilities face challenges in data integration, regulatory alignment, and skills shortages to fully leverage AI for grid management.

Dissemination, Communication and Stakeholder Engagement Activities Interim Report

- **Objectives:**

- In the framework of the EU funded Testing and Experimentation Facilities (TEFs) projects' cluster, the purpose of this workshop was to conduct a roundtable of relevant stakeholders (energy providers, hyperscalers, Energy OEMs, Startups providing AI technology, European projects) to identify the best solutions for the development, testing, validation and deployment of AI solutions.

- **Outcomes:**

- EnergyGuard presented its main objectives and technical offerings
- The workshop focused on identifying concrete technical and organisational solutions for the development, testing, validation, and deployment of AI solutions in the power system, stressing the need for secure data-sharing frameworks, interoperability standards, and access to sufficient computing capacity.
- The converged on a clear call for action: to connect data owners, AI developers, and computing infrastructures under a coordinated European framework capable of driving joint development of trustworthy and high-impact AI solutions for the energy sector.

4.3.5 **Enlit Europe 2025¹³ (Bilbao, Spain)**

- **Partner Involved:** ICCS + FBA (WP1 + WP7)
- **Date:** 18-20 November 2025
- **Description:** Enlit Europe is a premier pan-European congress and trade show for the clean energy value chain, bringing together Transmission System Operators (TSOs), Distribution System Operators (DSOs), commercial utilities and smart-grid software innovators. This event represents a primary physical concentration of EnergyGuard's end-user target audience.



Figure 10: EnergyGuard at Enlit Europe

¹³ <https://www.enlit.world/enlit-europe>

Dissemination, Communication and Stakeholder Engagement Activities Interim Report

To maximise the impact of this high-stakes presence, the consortium procured a dedicated exhibition space within the specialised EU Projects Zone, combining physical industrial staging with a structured cross-media dissemination pipeline.

- **Objectives:**

- To showcase EnergyGuard's 5 pan-European physical and simulated testing facility sandboxes directly to utility system buyers and grid operators.
- To deliver a technical presentation at the EU Projects Zone Hub to introduce our testing frameworks to clean-tech software developers.
- To leverage the event's premium media channels to secure inbound digital traffic and long-term ecosystem visibility.

- **Outcomes:**

- **Physical Staging & Direct Stakeholder Engagement:** The consortium deployed a functional stand package equipped with customised project wall graphics, an interactive display TV, storage cupboards and specialised networking areas. This physical hub served as the primary touchpoint for unlimited booth staff and consortium delegates to hold direct B2B discussions with utility operators.
- **Technical Presentation:** The project successfully executed its formal speaking engagement on the *EU Projects Zone Hub*, presenting our secure data sandboxes and "test-before-invest" service models directly to clean-tech innovators.
- **Verified Inbound Traffic Capture:** This event directly generated our highest mid-term external web referral conversion. As documented in our web analytics ledger (**Section 2.1.2**), our physical presence turned enlit-europe.com into our top inbound referral source, routing 16 high-intent professional user sessions to our portal.
- **Procured Media Assets & Pipeline Tracking:** To ensure an enduring return on this dissemination investment, the package includes dedicated long-term media assets and live editorial coverage that extend our visibility across the Enlit global network
 - *Exhibitor Press Release:* The consortium published an official media announcement detailing our open, structural framework layout to the broader market network ([EnergyGuard TEF Launches Pan-European Testing Experimentation Facility for Trustworthy AI in Energy](https://www.enlit-asia.com/exhibitor-press-releases/energyguard-tef-launches-pan-european-testing-experimentation-facility-for-trustworthy-ai-in-energy)¹⁴).
 - *Official Project Directory Hub:* The project launched its dedicated profile on the Enlit database ([Enlit World EnergyGuard Profile](https://www.enlit.world/projects/energyguard)¹⁵), serving as a permanent corporate anchor for utility operators looking to explore our testing capabilities.
 - *Technical Framework Publication:* An extensive technical piece detailing our core testing methodologies was published to introduce our framework to clean-

¹⁴<https://www.enlit-asia.com/exhibitor-press-releases/energyguard-tef-launches-pan-european-testing-experimentation-facility-for-trustworthy-ai-in-energy>

¹⁵ <https://www.enlit.world/projects/energyguard>

Dissemination, Communication and Stakeholder Engagement Activities Interim Report

tech software developers ([Testing and Validating AI Solutions in the Energy Sector](#)¹⁶).

- *Cross-Project Synergies & Spotlight*: A collaborative editorial was co-published alongside partner initiatives, boosting our visibility among shared clean-energy stakeholder groups ([New Project Spotlight: GRAVITEQA and EnergyGuard Look to Next-Gen AI Energy Solutions](#)¹⁷).
- *Upcoming Podcast Feature*: Production is currently underway for our dedicated audio episode, scheduled for release in August 2026 to continue driving high-intent ecosystem engagement.

4.3.6 [EURADA](#)¹⁸ Working Group on Digitalisation

- **Partner Involved:** FBA (WP1 + WP7)
- **Date:** 19 November 2025
- **Description:** Institutional workshop of the European Association of Development Agencies (EURADA) titled *"Supporting SMEs and Regions in the Green Transition through AI"* presented by Senior Project Manager Maria Roca (FBA).
- **Objectives:**
 - To educate regional development directors on the financial mechanics of Cascade Funding and the "test-before-invest" model.
 - To outline how regional agencies can add EnergyGuard's advanced testing platforms to their local service portfolios.
 - To expand the enrollment for the project's Supportive Partners Programme.
- **Outcomes:**
 - **Institutional Scale:** Successfully briefed regional development agency directors on using EnergyGuard's secure sandboxes to de-risk technological investment for local SMEs.
 - **Pipeline Expansion:** The presentation opened referral pathways, allowing local agencies across multiple borders to prepare their regional software cohorts for our upcoming early 2027 open calls.

4.3.7 [KEY - The Energy Transition Expo](#)¹⁹ (Rimini, Italy)

- **Partner Involved:** ENGREEN (WP7 outreach support)
- **Date:** 4-6 March 2025

¹⁶ <https://www.enlit.world/library/testing-and-validating-ai-solutions-in-the-energy-sector>

¹⁷ <https://www.enlit.world/library/new-project-spotlight-graviteqa-and-energyguard-look-to-next-gen-ai-energy-solutions>

¹⁸ <https://www.eurada.org/>

¹⁹ <https://www.key-expo.com/en>

Dissemination, Communication and Stakeholder Engagement Activities Interim Report

- **Description: KEY** - The Energy Transition Expo in Rimini is one of Southern Europe's most prominent exhibitions and conference hubs dedicated to renewable energy, energy efficiency, and smart city technologies. This event represents a highly concentrated market intersection of industrial clean-tech developers, regional utilities and energy community coordinators.



Figure 11: EnergyGuard at Energy Transition Expo

- **Objectives:**
 - To introduce the EnergyGuard project framework and its upcoming "test-before-invest" capabilities directly to Mediterranean and Southern European energy sector professionals.
 - To distribute primary physical dissemination materials and initiate early-stage B2B networking with innovators and decision-makers.
- **Outcomes:**
 - **Staging & Direct Stakeholder Engagement:** On the opening day, ENGREEN representative Francesco Vitellaro hosted dedicated informational sessions directly from the ENGREEN exhibition stand. This high-traffic physical touchpoint was used to present the project's long-term validation goals and distribute informational materials to visiting clean-tech developers and grid innovators.
 - **Targeted Lead Generation:** The physical presence successfully mapped regional target profiles, introducing the specific validation parameters of the Antrodoco Renewable Energy Community node to industrial audiences. This early outreach actively seeded the regional database funnel ahead of the upcoming Early Adopter Programme calls.

4.3.8 Workshop on European AI Foundation Model for Energy Grids (Brussels, Belgium)

- **Partner Involved:** ICCS (WP1)
- **Date:** 8 December 2025
- **Description:** Building upon the previous TEF/EC workshop for AI foundational models for the energy sector, the EC the Commission received a concrete proposal, the Plan 4 EU AI,

Dissemination, Communication and Stakeholder Engagement Activities Interim Report

developed by RWTH Aachen, INESC TEC, and EPU/NTUA (leaders of TEFs), setting out a practical roadmap for a European AI Foundation Model for electricity grids. In facilitation by the 3 TEFs/AI factories representatives, the EC organised a workshop to continue the process with this proposal as basis for discussion.

- **Objectives:** The workshop aimed to translate the concept into action, identify the Coalition of the Willing among energy stakeholders, and define the next steps toward establishing a common framework for AI model development and data sharing in the energy system. Its purpose was twofold: first, to identify which grid operators and research institutions are ready to engage in the joint development of such a model; and second, to agree on a restricted set of high-impact “quick-win” use cases that can guide the initial design and data collection effort. By bringing together representatives from transmission and distribution system operators, research organisations, AI factories, and associations, the workshop sought to align perspectives and lay the groundwork for a common vision. The discussions also explored how a European data and model-sharing facility could support the training and deployment of AI foundation models in compliance with EU values of openness, trust, and interoperability.
- **Outcomes:**
 - EnergyGuard actively participated to the discussion and agreed to contribute to this significant initiative of foundational models for the energy grid.
 - EnergyGuard agreed to contribute:
 - Through testing, validation, benchmarking, and trustworthiness assessments to the foundational models
 - Support for connector adaptation enabling federated and compliant data/model exchange.
 - Participation in modelling and evaluation workstreams, aligned with TEF expertise.
 - Commitment feasible if resources and TEF amendments are coordinated across partners.
 - The outcomes of this workshop materialised under the launch of the AI.grids project on 4th of June, to develop EU sovereign AI models together with 48 partners including grid operators and research institutes to improve the management and planning of energy grids.

4.3.9 AI Enables Cybersecurity Meetup Event²⁰ (Athens, Greece)

- **Partner Involved:** ICCS (WP1)
- **Date:** 14 January 2026

²⁰ <https://bdva.eu/events/cybersecurity-meetup-by-cosmote-telekom/>

Dissemination, Communication and Stakeholder Engagement Activities Interim Report

- **Description:** EnergyGuard participated with a banner participation to a major security event in Athens AI Enables Cybersecurity: The Meetup, organised by COSMOTE and co-organized with the Big Data Value Association and the Vigilance and CyberAid projects.



Figure 12: EnergyGuard banner at AI meets Cybersecurity Event

- **Objectives:** The event served as a dynamic platform for experts, researchers, and industry professionals to explore how Artificial Intelligence is transforming cybersecurity and to foster collaboration across the European innovation ecosystem.
- **Outcomes:**
 - EnergyGuard with a banner participation to the event actively discussed with over 30 startups, SMEs and companies related to cybersecurity, especially regarding cybersecurity challenges and opportunities from the rise of AI solutions.
 - Engaged in discussions on critical topics such as:
 - AI-driven threat detection and prevention
 - Ethical and legal challenges in AI-enabled security
 - Building resilient infrastructures with AI
 - Connected with cybersecurity professionals, AI innovators, and EU project leaders and received feedback about its plans, especially for the TEF trustworthiness assessment services
 - Participated to showcase sessions in order to discover solutions and collaborative initiatives to potentially influence or be used in the TEF services.

4.3.10 **EU Startups Summit 2026**²¹ (Malta)

- **Partner Involved:** FBA (WP7)
- **Date:** 7 May 2026

²¹ <https://www.eu-startups.com/summit/>

Dissemination, Communication and Stakeholder Engagement Activities Interim Report

- **Description:** The EU Startups Summit connected high-growth European tech startup founders, clean-tech scaleups and early-stage software venture capital groups. This event offered an opportunity to reach agile software development groups operating outside standard academic circles.
- **Objectives:**
 - To complete scouting of early-stage AI developers specialising in energy analytics and building energy management systems.
 - To promote the computational advantages of our secure sandboxes, including access to LuxProvide's green MeluXina supercomputing nodes.
 - To onboard innovative target profiles onto the waitlist for our open validation campaigns.
- **Outcomes:**
 - **Lead Generation:** Directly engaged and briefed clean-tech founders regarding our open-access validation parameters.

4.3.11 [ICEIS 2026](#)²² Conference (Benidorm, Spain)

- **Partner Involved:** CARTIF (WP3)
- **Date:** 22–24 June 2026
- **Description:** The 28th International Conference on Enterprise Information Systems, a highly regarded scientific conference focused on data lakes, semantic models, and knowledge diffusion architectures.
- **Objectives:** To fulfill open science dissemination mandates by presenting our validated peer-reviewed data ingestion framework to the wider international research community.
- **Outcomes:**
 - **Scientific Milestone Delivery:** CARTIF senior researchers successfully presented and published our peer-reviewed paper: *"EnergyGuard Data Lake Architecture: From Heterogeneous Ingestion to Federated Data Sharing"*.
 - **Academic Credibility:** The publication successfully archived our technical solutions for handling messy, heterogeneous smart meter and digital twin data entries. The full paper has been indexed and made permanently available via open-access repository guidelines²³.

4.3.12 [ICE 2026](#)²⁴ (Porto, Portugal)

- **Partner Involved:** ICCS (WP1)

²² <https://iceis.scitevents.org/?y=2026>

²³ <https://www.scitepress.org/Link.aspx?doi=10.5220/0014826300004018>

²⁴ <https://ice-conference.org/>

Dissemination, Communication and Stakeholder Engagement Activities Interim Report

- **Date:** 22-24 June 2026
- **Description:** The methodology and architecture of the EnergyGuard project was presented at the ICE 2026 Conference, the 32nd International Conference on Engineering, Technology, and Innovation, which took place in June 2026 in Porto, Portugal, through the paper entitled "A Testing and Experimentation Facility Architecture for Trustworthy AI Systems in the Energy Sector".
- **Objectives:** The objective of this presentation was to showcase and receive feedback regarding the scalable and flexible architecture of EnergyGuard TEF



Figure 13: EnergyGuard presentation at ICE 2026

- **Outcomes:**
 - Increased the visibility of the EnergyGuard project within the international engineering, technology and innovation community, and disseminating the project's methodology and architectural approach for a Testing and Experimentation Facility for trustworthy AI in the energy sector.
 - Generated valuable feedback from researchers, industry representatives and innovation stakeholders on the proposed EnergyGuard TEF architecture, its relevance to real-world energy-sector needs, and its potential applicability to AI testing, validation and regulatory readiness. This feedback can support the further refinement of the architecture developed under Task 2.3.
 - Networking opportunities with organisations active in AI, energy systems, testing infrastructures, digital innovation and trustworthy technology deployment. These interactions may contribute to future collaboration opportunities, stakeholder engagement, and the wider exploitation and dissemination of EnergyGuard results.

4.4 Scientific Knowledge Diffusion: Publications Ledger

In strict adherence to Open Science practices, the consortium treats peer-reviewed academic publication as a high-priority mechanism for validating technical and architectural innovations. All scientific submissions are managed in line with gold open-access standards to maximise cross-fertilisation and build out the project's dedicated community repository on Zenodo.

4.5 Publications KPI Compliance Matrix

KPI Metric	D7.1 Lifetime Target (M36)	Actual Performance (M18)	Progress Rate (%)	Status Assessment
Conference & Scientific Papers	10	6	60.0%	On Track / Balanced Mid-term Delivery
Journal Papers	4	2	50.0%	On Track / 2 in Active Preparation \ 1 Sent – Under review

Table 9: Publications KPI Compliance Matrix (Tracks Conference and Peer-Reviewed Journal Deliveries)

4.6 Comprehensive Publications Registry

Publication Title / Concept	Type	Date
Testing and Experimentation Facility for AI Decision Support Systems for Energy Solutions ²⁵	Conference (IEEE)	16–19 June 2025
EFI-DSS: A Machine Learning-based Decision Support System for Energy Efficiency Investments in Buildings ²⁶	Conference (IEEE)	16–20 June 2025
TwinP2G: A Software Application for Optimal Power-to-Gas Planning ²⁷	Journal (MDPI)	30 Sept 2025

²⁵ <https://ieeexplore.ieee.org/abstract/document/11106631>

²⁶ <https://ieeexplore.ieee.org/abstract/document/11091625>

²⁷ <https://www.mdpi.com/1999-5903/17/10/451>

Dissemination, Communication and Stakeholder Engagement Activities Interim Report

EnergyGuard Data Lake Architecture: From Heterogeneous Ingestion to Federated Data Sharing ²⁸	Scientific Paper	22–24 June 2026
A Testing and Experimentation Facility Architecture for Trustworthy AI Systems in the Energy Sector	Scientific Paper	22–24 June 2026
A trustworthy by design classification model for building energy retrofit decision support ²⁹	Journal (Elsevier)	22–24 June 2026

Table 10: Comprehensive Publications Registry (The Official Open-Access Scientific Paper Index)

4.6.1 Official European AI Alliance Dissemination (Futurium Portal)

Beyond formal academic journal registries, the consortium actively leveraged the European Commission's official [Futurium](#)³⁰ platform to showcase our framework to EU policymakers, digital hubs, and clean-tech developers via the European AI Alliance community. The network published five targeted articles detailing the progress, co-creation workflows, and specific technical focus of our physical and simulated Testing and Experimentation Facility (TEF) nodes:

- **CARTIF (Green Hydrogen Focus - 29 April 2026):** An article titled *"Testing Trustworthy AI for Green Hydrogen: Insights from CARTIF's Hybrid Energy System"*³¹. It details how the facility integrates green hydrogen testing platforms, simulating electrolyzers and fuel cells to validate high-stakes AI-driven grid optimisation.
- **REA (Riga Residential Node Focus - 17 April 2026):** Published *"Accelerating Urban Energy Efficiency with AI: The EnergyGuard TEF Pilot in Riga, Latvia."*³² The text details data-driven building management systems and thermal optimisation testing frameworks running in municipal residential spaces.
- **ENGREEN (Antrodoco Node Focus - 9 April 2026):** Published an article titled *"ENGREEN and the Antrodoco Pilot: Building a Testing and Experimentation Facility for Renewable Energy Communities."*³³ It highlights how the Italian pilot uses real and simulated environments to test trustworthy AI applications for energy community self-consumption optimisation.

²⁸ <https://www.scitepress.org/Link.aspx?doi=10.5220/0014826300004018>

²⁹ <https://www.sciencedirect.com/science/article/pii/S0378778826004007>

³⁰ <https://futurium.ec.europa.eu/en>

³¹ <https://futurium.ec.europa.eu/en/apply-ai-alliance/community-content/testing-trustworthy-ai-green-hydrogen-insights-cartifs-hybrid-energy-system>

³² <https://futurium.ec.europa.eu/en/apply-ai-alliance/community-content/accelerating-urban-energy-efficiency-ai-energyguard-tef-pilot-riga-latvia>

³³ <https://futurium.ec.europa.eu/en/apply-ai-alliance/community-content/engreen-and-antrodoco-pilot-building-testing-and-experimentation-facility-renewable-energy>

Dissemination, Communication and Stakeholder Engagement Activities Interim Report

- **CIEMAT (Spanish Microgrid Node Focus - 19 December 2025):** Published *"CIEMAT and the Role of Testing and Experimentation Facilities for Reliable AI in the European Energy Transition."*³⁴ It outlines how the CEDER-CIEMAT microgrid offers a safe physical setup to stress-test AI algorithms against sudden grid variables and failures.
- **ICCS & FBA (Co-Creation Framework Focus - 13 October 2025):** Co-published *"Energy & AI Testing and Experimentation Facilities: The EnergyGuard Approach to the Co-Creation of Trustworthy AI Solutions for the Energy Sector,"*³⁵ introducing our core co-creation pipeline designed to align clean-tech developers with upcoming EU AI Act regulatory sandboxes.

4.6.2 Cross-TEF Clustering & Joint Webinar Coordination

To maximise the impact of the European Union's Digital Europe program, the EnergyGuard consortium prioritised cross-project clustering with complementary sector-specific Testing and Experimentation Facilities. The project successfully executed two high-impact joint webinars designed to pool audiences, share technical data-handling strategies and present a unified European testing ecosystem to external innovators. These collaborative sessions successfully brought together engineering founders, AI developers and utility stakeholders to explore real-world deployment pathways.

4.6.3 Collaboration Workshop Events (M1-18)

Introduction to TEFs and Collaboration between TEFs workshop

On 14 March 2025, the three energy Testing and Experimentation Facilities (AI-effect, EnergyGuard, and EnerTEF) organised an online workshop to formally introduce the projects to one another and initiate a structured dialogue on their respective objectives, expectations, and planned activities. The workshop provided an opportunity for the three initiatives to present their scope, key focus areas, and envisaged contributions to the European AI and energy ecosystem.

A central part of the discussion focused on identifying potential synergies and areas for future collaboration across multiple levels, including technical alignment, strategic coordination, joint exploitation opportunities, dissemination activities, and stakeholder engagement. The participants also exchanged initial views on how the projects could complement each other, avoid duplication of efforts, and explore common actions that could strengthen the overall impact of the energy TEF landscape.

Joint Podcast with AI-effect and EnerTEF

EnergyGuard TEF was invited for a joint podcast with AI-effect and EnerTEF organized by EPRI Current. The host Samantha Gilman continued with a discussion exploring three of the European Union's Testing and Experimentation Facilities (TEF) projects: AI-EFFECT, EnergyGuard, and EnerTEF. The

³⁴ <https://futurium.ec.europa.eu/en/apply-ai-alliance/community-content/ciemat-and-role-testing-and-experimentation-facilities-reliable-ai-european-energy-transition>

³⁵ <https://futurium.ec.europa.eu/en/apply-ai-alliance/community-content/energy-ai-testing-and-experimentation-facilities-energyguard-approach-co-creation-trustworthy-ai>

Dissemination, Communication and Stakeholder Engagement Activities Interim Report

podcast can be found [here](#)³⁶. Guests Adrian Kelly from EPRI Europe, Sotiris Pelekis from the Institute of Communications and Computer Systems (ICCS), and Elissaios Sarmas from the National Technical University of Athens (NTUA) discuss how these cross-country facilities help utilities validate, de-risk, and operationalize AI through shared infrastructure, standardized testing, and regulatory alignment. The conversation highlights real-world utility use cases, cross-sector collaboration, and how Europe's TEF model could inform global efforts to enable trustworthy AI in the power sector.

4.6.4 Joint Webinar Registry (M1–M18)

The table below catalogs the core operational details, participant registrations and thematic focus blocks for the joint clustering events executed during the reporting period.

Event Layer	Joint TEF Webinar 1 ³⁷	Joint TEF Webinar 2 ³⁸
Date	5 February 2026	17 June 2026
Core Partner	EnergyGuard + EnerTEF + AI-EFFECT	EnergyGuard + EnerTEF + AI-EFFECT
Focus	Leveraging TEF Network capabilities to accelerate safe and reliable energy applications.	Aligning AI Testing Services with Industry Needs: Demonstrations and Gap Analysis.
Duration	60 Minutes	90 Minutes
Total Registrants	56	61
Target Persona Profile	Innovators, SMEs, clean-tech founders, and energy sector product managers.	Industrial grid operators, technology providers, regulatory analysts, and software developers.

Table 11: Joint Webinar Registry (M1–M18) (Schedules Cross-TEF Clustering Timelines and Target Profiles)

4.7 Qualitative Evaluation of Clustering Milestones

A. Session 1: The Verification & Validation Journey (5 February 2026)

³⁶ <https://epricurrent.podbean.com/e/69-how-europe-is-preparing-ai-for-real%E2%80%91world-grid-operations/>

³⁷ <https://youtu.be/W8eD-elUdI8?si=Kg7gfipuL6jWF4jF>

³⁸ <https://youtu.be/fyq7GTHAxoY?si=ktAL7xotLKpov7Wh>

Dissemination, Communication and Stakeholder Engagement Activities Interim Report

This initial 60-minute session focused on mapping the end-to-end testing journey for innovators trying to bring robust AI algorithms to the energy market. The agenda combined an introductory breakdown of available facility architectures with an interactive panel discussion centered on the specific use cases, technical hurdles, and real-world grid impacts of validated machine learning models.

B. Session 2: Industrial Use Cases & Structural Gaps Workshop (17 June 2026)

Shifting into a deeper 90-minute workshop format, this tri-project event alongside EnerTEF and AI-EFFECT targeted the operational expectations of industry stakeholders. The architecture of the webinar integrated short service demonstrations with a structured roundtable discussion focused on three operational dimensions:

1. Examining how existing AI testing facilities can support complex, large-scale commercial use cases (e.g., hydrogen vector management and building digital twins).
2. Identifying the friction points between currently available simulation environments and the strict deployment expectations of Tier-1 utility operators.
3. Uncovering and documenting the primary technical, regulatory and organisational constraints blocking clean-tech companies from onboarding into open-access validation networks.

5 EnergyGuard Experts Advisory Board

The Experts Advisory Board (EAB) was officially established to supervise and support the EnergyGuard Consortium in achieving high-level scientific results and impacts. Operating in a consultancy capacity, the EAB plays a crucial role in validating and complementing the consortium's inputs and findings.

The board brings together a diverse profile of stakeholders, including experts in AI, AI ethics, and law, Energy, TSOs/DSOs, Security and Software Development.

Core Responsibilities

The EAB is actively involved throughout the project's lifecycle, providing strategic guidance and feedback through online and offline focus groups, document reviews, and participation in specific EnergyGuard meetings and public events. Their specific roles include:

- **Supervision of the Platform:** The EAB, alongside AF and public agencies supporting the consortium's facilities, supports the supervision and feedback to the platform.
- **Technical and Methodological Feedback:** Members provide ongoing feedback regarding the methodologies, tools, technologies, and applications developed within the TEF.
- **Dissemination and Outreach:** The EAB supports the broader dissemination of EnergyGuard's project results by leveraging their own extensive professional networks.

EAB Composition

To ensure comprehensive oversight across the various dimensions of the EnergyGuard project, the EAB is currently composed of the following organisations:

Organisation
EY IT
PwC Greece
Wuppertal institute
Dialectica
Viegand Maagøe A/S
Hellenic Electricity Distribution Network Operator Greece
Yrkeshögskolan Arcada, Helsinki, Finland.
Agencia Española de Supervisión de Inteligencia Artificial
Bonn University
Dataethics.eu
Engineering Ingegneria Informatica
Faculty of Computer Science, University of Duisburg-Essen
CERTH-ITI
Comunità Sassifraga, Italian non-profit association

Table 12: Organisations part of the Experts Advisory Board

6 Connection of the Dissemination, Communication and Stakeholder Engagement Activities to T7.4 “Exploitation and market readiness assessment”

The overall Communication, Dissemination, and Stakeholder Engagement strategy serves as the primary vehicle to build an active online community and attract engaged potential end-users for the EnergyGuard TEF services. As outlined in Task 7.4 “Exploitation and market readiness assessment”, a core objective is to gather feedback from beta testers accessing the project’s services. Onboarding end-users early to test the services is critical to ensuring the TEF adapts to actual market demands. This continuous feedback loop prevents the development of solutions that lack market fit and ensures the platform delivers tangible value to the energy sector.

6.1 Value Proposition and Targeted Messaging

To successfully engage these end-users, Task 7.4 works in tandem with EnergyGuard communication efforts. The foundation for this outreach relies on the immersive actions conducted with partners to jointly identify the value proposition of the test-before-invest services. By clearly defining this value proposition and profiling our target end-users, EnergyGuard ensures that the communication actions described in this deliverable (D7.2) deliver the right message to the right audience. This targeted messaging is crucial to achieving the Task 7.4 KPI of scouting and selecting at least 8 third-party beta testers to be involved in the market readiness assessment.

6.2 The Early Adopter Programme and Market Validation

Tasks 7.1, 7.2, and 7.3 provide the necessary outreach infrastructure to attract potential end-users to the EnergyGuard TEF platform. To support this, the project will rely on:

- The creation of elevator pitches to effectively communicate the TEF's value proposition.
- A dedicated landing page to promote the Early Adopter Programme, detailing the services, participation methods, and user benefits.
- Showcasing the beta testing campaign at key EU-level events and adequate publications.

The market validation campaign, which will benchmark EnergyGuard’s hypotheses through landing-page campaigns and community consultations, will be launched in early 2027. This active communication effort will systematically direct interested parties to the TEF AI entry point, ultimately capturing the market feedback required to finalise the EnergyGuard Exploitation Plan.

7 Deviations, Risk Management & Next Sprints

7.1 Quantitative Deviations Summary and Corrective Actions

Website Session Volume Deficit (1,075 sessions against a lifetime target of 5,000): This variance represents a strategic volume gap at the top of the funnel. As demonstrated by our high website page views (24,000 views), incoming traffic is hyper-qualified, with visitors exploring our framework deeply and averaging over 22 pages per session. Because the platform is now moving out of its foundational setup phase, the consortium has deployed activated acceleration activities. These targeted promotional sprints, service catalog cross-linking, and partner-led campaigns will naturally scale up macro traffic volumes to align with our final targets as the platform reaches full maturity and open validation calls go live.

7.2 Dissemination Roadmap for the Next Reporting Period (M19–M36)

As the EnergyGuard project transitions into the second half of Phase II and prepares to launch **Phase III** from Month 19 through Month 36, the focus of WP7 will shift from generalised ecosystem onboarding to hyper-targeted conversion campaigns. This forward-looking strategy is explicitly timed to coincide with the technical readiness period of our centralised data lake and simulation nodes.

The dissemination and engagement roadmap for the final 18 months is organised around four core strategic pillars:

Pillar 1: Platform Maturity & The Early Adopters Campaign

When the EnergyGuard platform achieves full operational readiness, the consortium will shift from steady-state visibility to high-intensity campaign execution:

- **The Early Adopters Program Launch:** WP7 will design and launch a promotional campaign to open the registration funnel for our Early Adopters Program. This campaign will target agile clean-tech startups and SME software teams eager to be the first to validate their AI tools.
- **Intensification of Multi-Channel Outreach:** B2B marketing tactics will be heavily accelerated to hit our lifetime traffic goals. This includes introducing "Service Spotlights".

Pillar 2: Institutional Alignment & EDIH-TEF Cooperation

To embed EnergyGuard's "test-before-invest" capabilities into the permanent workflows of regional European funding and digital support architectures, the consortium will activate a dedicated institutional outreach program:

- **Direct EDIH Engagement:** Partners will establish close contact with European Digital Innovation Hubs (EDIHs) mapped from the DTA catalogue that focus on energy transitions, smart cities and machine learning.
- **Joint Workshops and Info Sessions:** EnergyGuard will organise and facilitate structured workshops, info sessions and webinars tailored specifically for EDIH advisors and their regional

Dissemination, Communication and Stakeholder Engagement Activities Interim Report

SME networks, educating them on the technical validation advantages of the 5 specialised nodes of our pan-European TEF.

- **Formal Memorandums of Understanding (MoUs):** To solidify these institutional links long past the project's funding lifecycle, the consortium will draft and sign formal MoUs between the EnergyGuard and key regional EDIHs, establishing permanent service referral pathways.

Pillar 3: Ongoing Cross-TEF Synergy & Joint Events

Building upon the excellent traction established during our initial clustering webinars, EnergyGuard will continue to act as a collaborative leader within the wider TEF network:

- **Multi-Facility Collaborative Webinars:** The consortium will continue to coordinate and co-host digital events alongside sister initiatives like EnerTEF and AI-EFFECT. These joint sessions will serve to present a single, frictionless testing ecosystem to external European innovators, eliminating cross-border market fragmentation.
- **Standardisation Working Groups:** Collaborative workshops will continue with our dedicated regulatory working groups to help incoming early adopters navigate the complex boundaries between live grid testing and compliance checks under the EU AI Act and GDPR guidelines.

Pillar 4: Scientific Output & Knowledge Tracking

To satisfy our open science mandates and reach our lifetime target of conference papers and journal publications, the consortium will maintain a scientific dissemination schedule:

- **Tracking the Publication Pipeline:** WP7 will actively monitor the progress of high-priority journal papers currently in active preparation.
- **Zenodo Repository Capitalisation:** Every forthcoming paper, methodology deck, and validated open-source data schema will be routed to our central [Zenodo community](https://zenodo.org/communities/energy-guard-eu/records?q=&l=list&p=1&s=10&sort=newest)³⁹ repository to maximise international academic cross-fertilisation and citation volume.

³⁹ <https://zenodo.org/communities/energy-guard-eu/records?q=&l=list&p=1&s=10&sort=newest>



Funded by
the European Union

Horizon Europe (HORIZON) - HORIZON-CL5-2024-D3-01-11

AI Testing and Experimentation Facility (TEF) for the energy sector – bringing technology to the market

Project no. 101172705



Large-Scale Testing and Experimentation Facility (TEF) for Assessing,
Validating, and Enhancing AI-Powered Next-Generation Energy Solutions

Participation Report — ADRA Forum 2025

By FundingBox

EnergyGuard Strategic Engagement & ADRA Forum Participation

This report outlines the strategic rationale and outcomes for EnergyGuard's participation in key European events, with a focus on engagement with the European Digital Innovation Hub (EDIH) network.

1. Introduction & Strategic Rationale

As defined in the project work plan (Task 7.3), EnergyGuard's participation in high-level European events is a core pillar of its clustering strategy. The goal is to move beyond isolated research and create a unified ecosystem for energy innovation.

- **EDIH Engagement Strategy:** EnergyGuard utilises the pan-European network of EDIHs to "regionalize" its impact. By leveraging EDIHs as intermediaries, the project can reach regional SMEs in geographically diverse or underrepresented areas that fall outside the consortium's direct reach.
- **Service Integration:** A primary objective is to incorporate EnergyGuard's "test-before-invest" services into the existing portfolios of cross-border services offered by EDIHs, ensuring that AI tools are validated before market entry.
- **Regulatory & Technical Alignment:** Participation allows the project to provide scientific input to Working Groups focusing on **standardisation and regulatory sandboxes**, aligning AI development with the EU AI Act.
- **Building Committed Partnerships:** In-person events are designed to move from casual interest to formal commitment, mobilising host-region EDIHs to deliver high-impact on-site activities and pilot programs.

2. Summary of Participation in the ADRA Forum 2025

EnergyGuard played a leading role at the **ADRA Forum** in Stavanger, Norway (September 2025), focusing on the intersection of trustworthy AI and energy resilience.

- **Workshop Leadership:** FundingBox hosted an interactive session titled *"Trustworthy AI for Energy Resilience: Driving Strategic Autonomy through TEFs, SMEs, and Data Innovation."* This workshop brought together representatives from EnergyGuard, the COSMIC project, and various EDIHs.
- **Showcasing Infrastructure:** The project presented its integrated testing facilities, including the Portuguese Transmission Network digital twin and the CEDER-CIEMAT Microgrid in Spain. The presentation highlighted how these facilities provide a "sandbox" for testing AI in high-stakes scenarios like grid failures or hydrogen storage optimization.
- **Targeted Networking:** Beyond the formal sessions, the team engaged in direct outreach with EDIH managers and National Contact Points (NCPs) to align upcoming Open Calls with regional funding priorities.

3. EDIHs engagement and networking

EDIHs engagement- 24th of September

This section summarises some conversations had with the specific European Digital Innovation Hubs (EDIHs) and representatives who were contacted by **Maria Roca (FundingBox)** before the event with the aim of gathering information on their interest and current work with TEFs.

1. ADRIA EDIH (Adriatic Croatia)

- **Profile:** A "one-stop-shop" for the digitalisation of the Adriatic Croatia region, focusing on **Artificial Intelligence (AI)** and **High-Performance Computing (HPC)**.
- **Energy Relevance:** They support sustainable development and energy efficiency within the Croatian maritime and transport sectors.

2. CeADAR EDIH (Ireland)

- **Profile:** Ireland's National Center for Applied AI. It is a market-focused technology center that bridges the gap between academic research and industry application.
- **Key Representative:** **Ricardo Simon Carbajo** (Director of Innovation & Development).

3. Susanne Kührer (EIT Digital)

- **Profile:** Project Coordinator for European Commission projects at **EIT Digital**, a leading European digital innovation and entrepreneurial education organization.
- **Strategic Role:** She specializes in the **AI-on-Demand platform** and ecosystem building.

4. InnDIH (Valencia Region, Spain)

- **Profile:** A public-private partnership in the Valencian Community focused on AI, Robotics, and Cybersecurity.
- **Energy Relevance:** Located in a region with significant renewable energy investment, InnDIH is a key player in Spanish industrial digitalization.

5. Cristina Baghiu (Digital Innovation Zone)

- **Profile:** Hub Coordinator for the **Digital Innovation Zone (eDIH-DIZ)** in the North-East region of Romania.
- **Expertise:** Business agility and ecosystem orchestration. She is known for her proactive approach to cross-border matchmaking (e.g., MoUs with Ukrainian hubs).

Networking dinner- 23rd September 2025

The networking dinner following the first day of ADRF25 provided an excellent opportunity to deepen bilateral contacts and expand the outreach of the EnergyGuard initiative.

- **INESTEC (Energy representative):** we established initial contact and exchanged views on opportunities to align with INESTEC's energy resilience priorities.
- **Norwegian NCP (National Contact Point):** we introduced the **EnergyGuard**, presenting its scope, opportunities, and potential for Norwegian SMEs and research actors. The NCP expressed interest in supporting dissemination and connecting with relevant national stakeholders.
- **RTOs and Universities (AI domain):** we connected with several representatives from research and technology organisations as well as universities engaged in AI development. These discussions highlighted potential for collaboration on trustworthiness frameworks, testing methodologies, and integration of academic research.

An important announcement was made about next year's ADRA Forum, which will take place in Porto, Portugal, from October 13-15.

Overall, the dinner functioned as an effective networking platform, complementing the day's formal session. It expanded the EnergyGuard outreach to strategic stakeholders across energy, national funding ecosystems, and the research community, laying the foundation for follow-up engagements.

Most of the people reached during the event agreed on the following needs to advance in the TEFs and EDIHs collaboration to provide joint services:

1. **Clarify roles:** Distinguish the responsibilities of a regional EDIH versus a specialised energy TEF.
2. **Highlight mechanisms:** Showcase successful tools (vouchers, joint pilots, etc.) that have already helped SMEs adopt AI.
3. **Strengthen the "EDIH 2.0" Phase:** Use these stories to inspire actionable ideas for the 2026 workplan and raise the interest of other EDIHs.

4. Key Conclusions

The discussions at the ADRA Forum and subsequent clustering activities yielded several critical insights for the project's next phase:

- **Bridging the "SME Gap":** While national-level cooperation is growing, SMEs still face significant friction in accessing international testing facilities. There is an urgent need for **simpler onboarding paths** and clearer "entry points" for small businesses.
- **The "EDIH 2.0" Transition:** The network is shifting toward a more integrated phase where EDIHs act as the front office for specialised Testing and Experimentation Facilities (TEFs). EnergyGuard is a primary mover in turning this strategy into practical workflows.
- **Validation as a service:** There is high demand for **Trustworthy AI Certification**. Providing a "digital badge" or validation report is seen as a major incentive for companies to participate in the EnergyGuard ecosystem.
- **Optimisation through Collaboration:** Synergy between projects like EnergyGuard and COSMIC demonstrates that a multi-sectoral approach (combining grid resilience with large-scale resource optimization) is essential for European energy autonomy.

5. Final agenda: Trustworthy AI for energy resilience: driving strategic autonomy through TEFs, SMEs, and data innovation

Date/Time: Wednesday, 24 September 2025, 08:45–10:00

<https://adrforum.eu/adrforum-agenda-2025>

Proposed agenda 75 minutes:

Welcome, setting the scene, Mayte Carracedo, FundingBox

- Quick intro from the host/moderator (you).
- State objectives and structure.
- Optional icebreaker: "In one word, what's the biggest barrier to AI adoption in the Energy sector you see?"

EnergyGuard Presentation

- Briefly present EnergyGuard's core objectives: developing an open, green, and robust Testing Experimentation Facility (TEF) for trustworthy AI products in the energy market.

- Highlight the integrated large-scale energy testing facilities (Portuguese Transmission Network, CEDER-CIEMAT Microgrid, Hydrogen testing platforms, Riga's residential buildings DT, Antrodoco Renewable Energy Community).
- Emphasise its focus on trustworthy AI validation and supporting national AI regulatory sandboxes.
- Focus on the real-world validation and how the TEF will support the large-scale testing.

COSMIC Presentation

- Briefly present COSMIC's core objectives: providing IT systems for large-scale energy resource optimization leveraging AI and data, fostering industrial ecosystems.
- Highlight its multi-sectoral approach and the concept of Core Technical Facilitators (CTFs) and Integrated AI Systems (IAIS).
- Emphasize its focus on Green Deal impact and large-scale pilots (4 large-scale pilots across 6 countries (Spain, Belgium, Portugal, France, Ireland, and Finland) across diverse industrial applications.
- Its ambition includes validating solutions at scale by demonstrating the potential of integrating technologies to address industrial ecosystem challenges

Open discussion with participants

6. Presentation

▣ Presentation - ADRF 2025 (workshop+EnergyGuard)

7. LinkedIn post about our presence at the event

https://www.linkedin.com/posts/the-funding-box-group-s-l- adrf25-adrf25-energyguard-activity-7376624034559721474-LgT3?utm_source=share&utm_medium=member_desktop&rcm=ACoAAaM1roBc qFmbpxu1ECqp6MDcXqeIViAiWE

8. Other dissemination and promotion activities of EnergyGuard participation in ADRA in FundingBox social media



AI, Data,
Robotics
Forum
#ADRF25

23- 24 September 2025

Stavanger, NORWAY

24 September 2025, 8:45 - 9:55

**Trustworthy AI for
Energy Resilience**

Driving Strategic Autonomy
through TEFs, SMEs, and
Data Innovation





July 16

 **Heading to ADR Forum 2025?** This session is for you if you're looking to connect the dots between **TEFs**, **EDIHs**, and EU projects offering **funding opportunities** that can actually help SMEs working in the energy sector with their **AI adoption journey**.

Join us in Stavanger for a session that's all about making AI adoption easier - NOT HARDER - for Europe's energy innovators.

On **Wednesday, September 24th**, our session, "Trustworthy AI for Energy Resilience," will bring together two major EU projects - **EnergyGuard** and **COSMIC** - and spotlight how their services and open calls are opening up real, low-risk testing options for SMEs working with AI.

 **EnergyGuard** is building 5 Testing and Experimentation Facilities across Europe - giving SMEs and startups a way to test AI solutions in real and simulated energy environments.

 **COSMIC** supports SMEs through open calls and collaborative pilots to develop AI-based solutions at industrial scale.

Together with the EDIH network, these tools form a broader support system that SMEs can tap into - to **test before they invest**.

The session is short and hands-on. We'll work directly with TEFs, EDIHs, and project teams to:

- ✓ Make collaboration easier
- ✓ Clarify the support available
- ✓ Build simple steps to help SMEs access what already exists

If you're attending the Forum and working in an EU project, or are an EDIH or offering support to SMEs → we hope to see you there.

 **Stavanger, Norway**
 24 September 2025, 8:45 - 9:55

 Add it to your calendar and stay tuned for more updates!

#ADRF25 #EnergyGuard #COSMIC #Energy #AI #Innovation



July 23

👉 Building real collaboration for AI in energy - that's what our workshop at ADR Forum 2025 is about.

💬 One word. One honest answer.

From there, we'll look at what's already being done - and what still needs doing - to bring real-world AI solutions into energy systems across Europe.

On **September 24**, we're bringing together voices from:

- ✓ **EnergyGuard** - creating large-scale, open testing facilities for AI in energy
- ✓ **COSMIC** - connecting industry leaders, startups, and tech partners through smart ecosystems
- ✓ EDIHs, and field experts - the ones actually putting AI to work in the field

This isn't about sales pitches or slogans. It's a **75-minute session focused on creating clear collaboration pathways** so SMEs can access testing facilities, funding calls, and innovation networks more easily.

📍 **Stavanger, Norway**

📅 24 September 2025, 8:45 - 9:55

If you're part of this ecosystem at ADR Forum, this session is designed with you in mind.

Let's turn potential into progress.

#ADRF25 #EnergyGuard #COSMIC #Energy #AI #Innovation

July 29

⚡ What's missing to make AI work for energy – at scale?

At this year's ADR Forum, we're opening the day with a working session designed for TEFs, EDIHs, SMEs, and project teams supporting AI adoption in energy.

📅 24 September | 🕒 08:45 – 09:55 | 📍 Room IMI 2 + 3

One of the main projects featured is COSMIC – a Horizon Europe initiative building scalable AI platforms for energy resource optimisation, with large-scale pilots running in five countries. COSMIC connects industry, tech providers, and SMEs through open calls and shared infrastructure, turning individual efforts into replicable, integrated systems.

We'll be joined by Adrián Carrasco Revilla - COSMIC coordinator. Adrián will walk us through how COSMIC is enabling collaboration between sectors!

This won't be a passive panel:

- ✓ We'll map what's already working
- ✓ Spot the gaps holding collaboration back
- ✓ Co-define the next actions that could make a difference for SMEs and regional players

If you're already attending ADR Forum, this is where we get practical about collaboration that works.

🔗 Add it to your calendar, and come early - the good conversations start at 8:45.

#ADRF25 #EnergyGuard #COSMIC #Energy #AI #Innovation

Aug 5

 **Coming to ADR Forum 2025? Join our workshop on AI in energy!**

 **Stavanger, Norway**

 24 September 2025, 8:45 - 9:55

One of the key projects you'll hear from is **EnergyGuard** - a European initiative building **5 Testing and Experimentation Facilities (TEFs)** to help SMEs and startups **test and validate their AI solutions** in real-world energy environments.

From hydrogen systems to smart grids and residential microgrids, these TEFs are designed to help teams move beyond pilots and prototypes - and get their tech ready for market.

The session will bring together:

- ✓ EU-funded projects related to AI in the energy sector
- ✓ European Digital Innovation Hubs (EDIHs)
- ✓ Testing Experimentation Facilities (TEFs)
- ✓ Entities fostering industrial ecosystems through AI and data
- ✓ You!

 Add it to your calendar, and come early - the good conversations start at 8:45.

#ADRF25 #EnergyGuard #COSMIC #Energy #AI #Innovation

Aug 12

 In the real world, SMEs don't have time to chase resources.

And in the energy sector, where AI adoption often stalls at the starting line, that's a problem. TEFs, EDIHs, open calls — they exist to **make it easier**. But only if they're connected.

 On **24 September** at **ADR Forum 2025**, we'll bring together people working on those connections. From **EnergyGuard's Testing and Experimentation Facilities** to **COSMIC's AI-powered optimisation pilots**, this session is about stitching the ecosystem together - so SMEs can **test before they invest**, and move faster with fewer barriers.

No speeches. Just shared answers:

- ✓ How can EDIHs maximize the reach and impact of EnergyGuard and COSMIC?
- ✓ What immediate actions can strengthen EDIH, TEF, and EU project cooperation for AI adoption in energy?
- ✓ How can EnergyGuard and COSMIC's testing facilities best validate and integrate AI solutions for industrial ecosystems?

 **Stavanger – Room IMI 2 + 3**

 **8:45–9:55**

Come early. We start strong.

#FundingBox #ADRAForum #EUOpportunities #SME #Innovation #AI #EnergyTransition
#Collaboration #EDIHs #TEFs #DigitalInnovation

Aug 19

 How can EU initiatives actually support SMEs building AI for energy?

Let's make the answers practical - and public.

At **FundingBox**, we're committed to fostering a vibrant innovation ecosystem where SMEs can thrive by tapping into EU opportunities. On **24 September**, we're hosting a workshop at **ADRA Forum 2025** to connect the dots between TEFs, EDIHs, and EU-funded projects - **COSMIC** is one of them.

 **COSMIC**, coordinated by **Inetum**, is building industrial ecosystems across 5 countries and right now, its **Open Call** is live:

-  Up to €150,000 funding + a 10-month support programme
-  For SMEs & startups in AI/data for energy
-  20 projects will be selected to integrate solutions into **15 large-scale pilots** (Belgium, Finland, France, Ireland, Spain, Portugal)

You can apply by **27 October 2025** 

<https://opportunities.getonepass.eu/applications/686f87567bcf24f83713fe64/start>

In Stavanger, we'll bring COSMIC closer to you:

- ✓ How DIHs and TEFs can help scale its impact
- ✓ How SMEs can plug into open calls and pilots
- ✓ What immediate actions can strengthen cooperation across the ecosystem

This session is about making the innovation ecosystem easier to access - especially for SMEs.

 **24 September, 8:45–10:00**

 **Stavanger – Room IMI 2 + 3**

 **8:45–9:55**

If you're already at **ADRF 2025**, come early. This is about making the ecosystem work better - for DIHs, for projects, and for the SMEs they serve.

#ADRF25 #EnergyGuard #COSMIC #Energy #AI #Innovation

Aug 26

 - Testing and Experimentation Facilities (TEFs) are taking shape across Europe – giving innovators a place to validate AI for energy in real or simulated environments.

Through **EnergyGuard**, these TEFs are being built to cover the entire energy value chain – from electricity and heating/cooling to hydrogen – helping SMEs bring trustworthy AI solutions to market cost-effectively.

At ADRF25, our session will explore how SMEs can make the most of these facilities: how to “test before invest” using TEFs, connect with EDIHs for tailored support, and tap into opportunities like **COSMIC’s** Open Call (funding up to €150K) to bring AI solutions from prototype to large-scale pilots.

We’ll focus on practical collaboration mechanisms, giving SMEs the tools to navigate resources efficiently and accelerate AI adoption in the energy sector.

 Join us on 24 September to see how your AI solution can be tested, validated, and scaled with pan-European support.

 Add it to your calendar, and come early - the good conversations start at 8:45.

#ADRF25 #EnergyGuard #COSMIC #Energy #AI #Innovation

Sep 2

🔌 In the energy sector, developing an AI solution is only step one. The real challenge comes after: validating it across the full energy value chain - electricity, heating/cooling, hydrogen - which demands high-investment testing environments and strong partnerships.

At ADRF25 on 24 September, our session will spotlight EnergyGuard's Testing and Experimentation Facilities: pan-European infrastructures where innovators can access the expertise, data, and environments needed to bring trustworthy AI to market cost-effectively.

Together with EDIHs and EU-funded projects like COSMIC (with its €150K Open Call for SMEs and startups), we'll work on:

- ✓ Clarifying the roles and complementarities of EDIHs, TEFs, and EU projects
- ✓ Identifying current gaps and collaboration opportunities
- ✓ Generating short-term, actionable ideas to strengthen cooperation

This session is designed for EDIHs, TEFs, and EU initiatives looking to build stronger collaboration mechanisms so SMEs can benefit from a smarter, more connected ecosystem.

Join us on 24 September at ADRF25 and follow EnergyGuard on LinkedIn for updates and future opportunities.

#ADRF25 #EnergyGuard #COSMIC #Energy #AI #Innovation

Sep 5

SMEs are central to the green and digital transition - but moving from an AI prototype to deployment in the energy sector isn't simple. Creating real testing environments across electricity, heating/cooling, and hydrogen demands major investment, expertise, and the right partners.

That's where collaboration comes in 

EnergyGuard is setting up Testing and Experimentation Facilities to make validation affordable and accessible. COSMIC, through its €150K Open Calls, enables SMEs and startups to scale into large pilots across Europe. And EDIHs connect innovators to the right mix of resources and support.

At ADRF25, our session will bring EDIHs, TEFs, and EU-funded projects together to:

- ✓ Clarify their roles and complementarities
- ✓ Identify gaps and new collaboration opportunities
- ✓ Generate actionable steps to strengthen cooperation in the short term

 If you're working in an EDIH, TEF, or EU project and want to shape how this support ecosystem can better serve SMEs - join us in Stavanger on 24 September.

#ADRF25 #EnergyGuard #COSMIC #Energy #AI #Innovation

Sep 10

⚡ AI in Energy: Why adoption is harder than it looks?

SMEs are driving innovation in the green and digital transition - but bringing AI into the energy sector isn't straightforward. The main challenges include:

- ✗ Scarcity of high-quality real-world data and siloed infrastructures
- ✗ High investment needed for testing environments and validation
- ✗ Gaps in interdisciplinary expertise across energy, AI, law, and HPC
- ✗ Complexities of regulatory compliance and trustworthy AI assessment
- ✗ Difficulties with integration, interoperability, and social acceptance

At ADRF25 in Stavanger, our session tackles these challenges head-on. Together with EnergyGuard and COSMIC, we'll explore how:

- ✓ Testing and Experimentation Facilities can provide shared, cost-effective environments
- ✓ COSMIC's Open Calls (up to €150K) can move prototypes into large-scale pilots
- ✓ EDIHs can guide SMEs to the right expertise, resources, and funding
- ✓ Practical collaboration mechanisms can turn barriers into opportunities

 24 September, 8:45 - Room IMI 2 + 3

👉 Join us to discuss what works, what gaps remain, and what's next.

#ADRF25 #EnergyGuard #COSMIC #Energy #AI #Innovation

Sep 16

💡 How can collaboration scale AI adoption in energy?

SMEs often have great AI solutions, but deploying them across electricity, heating/cooling, and hydrogen systems isn't easy. High costs, limited expertise, fragmented data, and complex regulations slow things down.

At ADRF25, our workshop will bring together TEFs, EDIHs, and EU projects like EnergyGuard and COSMIC to explore practical ways to:

- 👉 Connect resources and expertise efficiently
- 👉 Test solutions before investing heavily
- 👉 Move prototypes into large-scale pilots across Europe

We want to hear from EDIHs, TEFs, and EU initiatives: what collaboration practices have worked for you? Where are the gaps? What short-term steps could make the ecosystem more effective?

 24 September, 8:45 - Room IMI 2 + 3

Bring your ideas, share your experiences, and let's shape the way SMEs adopt AI in energy.

#ADRF25 #EnergyGuard #COSMIC #AI #Energy #Collaboration #Innovation #EDIHs #TEFs

Sep 18

Next week at #ADRF25, innovation is everywhere but your experience, insights, and questions are what really shape the future of AI in energy 🌍

Our session on Wednesday will be a collaboration lab. EnergyGuard and COSMIC are bringing the expertise, but you are the ones defining how these collaborations work.

This is your chance to:

- ✓ Shape the ecosystem: Your feedback and ideas will help clarify how TEFs, EDIHs, and EU projects can work together.
- ✓ Ask the experts: Get direct answers about the €150K COSMIC Open Call or which EnergyGuard TEF fits your needs.
- ✓ Build meaningful partnerships: Connect with the people who can help move your AI/energy solution from prototype to large-scale pilot.

Your voice matters - don't leave Stavanger without contributing to how this ecosystem will actually operate.

 Wednesday, 24 September

 8:45 – 9:55 AM

 Room IMI 2 + 3

Lock it in your calendar!

#ADRF25 #EnergyGuard #COSMIC #AI #Energy #Collaboration #Innovation #EDIHs #TEFs

Sep 23

We're already at ADRF25, connecting, learning and getting ready for tomorrow's big conversation! 📸

How can SMEs get faster, easier access to EU resources and funding?

The answer lies in stronger collaboration between TEFs, EDIHs and EU projects - not just in energy, but across all sectors.

That's exactly what tomorrow's session is about:

- 👉 Exploring how TEFs and EDIHs can complement each other
- 👉 Taking advantage of the resources and opportunities EU projects already provide, like funding or free technical expertise
- 👉 Sharing examples of successful collaborations we can all learn from
- 👉 Opening doors for SMEs to test, validate, and scale with less risk

EnergyGuard and COSMIC will share how they're building this ecosystem but the most important voices in the room are yours - bring your ideas, success stories and maybe a coffee ☕ - the conversation is where the real progress happens.

🕒 8:45 AM - be a few minutes early!

📍 Room IMI 2 + 3

#ADRF25 #EnergyGuard #COSMIC #AI #Energy #Collaboration #Innovation #EDIHs #TEFs

Sep 24

☀️ What a start to the day at #ADRF25!

Huge thanks to everyone who joined our Trustworthy AI for Energy Resilience session this morning. Our session brought together SMEs, EDIHs, TEFs and EU projects - and the result? Inspiring.

Here's what stood out:

- 👉 So far, EDIHs have shared that collaboration is working well at the country level - and we heard great real-world examples.
- 🏢 SMEs need easier entry points to testing, funding and partnerships.
- ⚡ EDIHs 2.0 will soon enter a new phase of collaboration with TEFs and the broader AI EU landscape. EnergyGuard will be there to help turn these efforts into practical next steps.

We are happy to say that it was a working space where the input will shape the way forward.

- 👉 If you joined us, thank you for contributing your voice.
- 👉 If you missed it, don't worry - reach out to **Mayte Carracedo** and **Maria Roca** to catch up on the key outcomes and explore how you can get involved in the next steps.
- 👉 If you are interested in the funding offered in COSMIC, contact Anca Marin.

#ADRF25 #EnergyGuard #COSMIC #AI #Energy #Collaboration #Innovation #EDIHs #TEFs

After the event:

How do we move from strategy to practical action? 🤔

It was a pleasure to participate in #ADRF25, where our session “Trustworthy AI for Energy Resilience” brought together SMEs, EDIHs, TEFs and EU projects for an important conversation. Massive thank you to **Adra - AI-Data-Robotics-Association** for making it all happen.

The focus was simple: how do we make Europe’s support system easier to use and more effective for SMEs in the energy sector?

Success is visible. EDIHs are showing that national-level cooperation delivers real value for SMEs, however, we still need to strengthen the efforts to ensure opportunities available really reach them.

But challenges remain. SMEs still face too much friction in accessing testing, funding, and partnerships. This is not a roadblock but a clear call to improve. We need **simpler onboarding paths** and **better coordination** so that innovators can use the EU’s support without losing momentum.

What’s next. At FundingBox, we see strong potential in the implementation of **EDIH 2.0 phase**, with closer collaboration between EDIHs, TEFs, and the wider European ecosystem. The task ahead is to translate this into **practical, joint activities** that directly help SMEs test, connect, and grow.

With initiatives like **EnergyGuard** and **COSMIC**, we are going to explore how testing facilities, open calls, all combined can speed up innovation and give SMEs the confidence to scale.

👉 If you missed it, no worries - the discussion continues. Reach out to Maria Roca, and let’s explore how we can work together.

💡 And here’s our challenge to you: *As the EDIH-TEF collaboration deepens, what concrete, joint activity should be our priority to better serve SMEs?*

#ADRF2025 #AI #EDIHs #TEFs #SMEs #Funding #Innovation