ANNUAL REPORT 2025

EFEIA FOUNDATION

BUILDING THE INFRASTRUCTURE

FOR ELECTROMAGNETIC HYGIENE

www.efeia.org

Letter from Leadership

A YEAR OF FOUNDATIONS AND FIRST PRINCIPLES

2025 was the year EFEIA moved from concept to practice.

We launched the LEDNA Principle, fundamentally reframing how electromagnetic exposure should be managed. We deployed the EFEIA Evaluation Protocol and watched it spread across continents. We certified our first cohort of licensed professionals and saw them lead projects we hadn't imagined six months prior. We collected 531 structured responses for the EHS Global Census, building the dataset that will inform the next decade of research and policy.

But the real story of 2025 isn't in the metrics. It's in the conversations we're now having. Developers asking us to design electromagnetic hygiene into buildings before construction begins. Researchers in three countries generating field data on how bees, livestock, and crops respond to mitigation. Organizations worldwide adopting our protocols not because they had to, but because they saw the need.

We entered 2025 knowing we had to organize chaos: protocols, guides, systems, standards. We didn't anticipate how ready the world was for this work. The reception surprised us. The collaborations energized us. The obstacles taught us.

This report documents that year: what we built, what we learned, and where we're headed.

Executive Summary

What Defined 2025

Biggest Achievement

The launch of the LEDNA Principle, providing a scientifically grounded alternative to ALARA that prioritizes biological response over convenience.

Biggest Challenge

Building the operational infrastructure to make the EFEIA Protocol and Census self-sustaining with minimal ongoing support.

Biggest Surprise

The overwhelmingly positive reception of EFEIA's work worldwide, and the speed at which practitioners, organizations, and researchers adopted our frameworks.

THE YEAR IN BRIEF

In 2025, the Electropollution Free Environment International Accreditation (EFEIA) Foundation transitioned from a standards-development organization to an operational global network advancing electromagnetic hygiene through research, education, certification, and policy engagement.

KEY MILESTONES:

- **Introduced the LEDNA Principle**, redefining electromagnetic exposure management
- **Launched the EFEIA Evaluation Protocol** with global adoption by practitioners and organizations
- **Licensed 22 professionals** across 8 countries, with 30 licensing projects evaluated
- I**nitiated 5 BEMCP certification projects** across 4 countries
- Since September, **collected 531 responses across surveys** for the EHS Global Census
- **Established field research collaborations** in Argentina, Spain, and Italy
- **Grew organizational team to 8 members** with a 3-person Scientific Council
- Published 20 blog posts and achieved 88% LinkedIn growth, 48% Instagram growth

The LEDNA Principle

A New Framework for EMF Management

WHY SHIFTING

For decades, electromagnetic exposure management has relied on the ALARA principle: As Low As Reasonably Achievable. Borrowed from ionizing radiation safety, ALARA focuses on minimizing exposure through time, distance, and shielding—but it's fundamentally reactive.

EFEIA introduced the LEDNA Principle in November 2025: Low Emission Design Near Field Awareness.

WHAT LEDNA CHANGES

LEDNA shifts from reactive protection to proactive design. ALARA waits for exposure, then manages it. LEDNA anticipates exposure during design and prevents it.

Key differences:

- **Design over barriers:** Reducing field generation at source rather than blocking afterward
- **Distance over shielding:** Leveraging near-field physics rather than expensive materials
- **Infrastructure planning:** Making electromagnetic environment a design consideration
- **Spatial awareness:** Understanding that exposure is determined by layout and positioning

LEDNA addresses a practical gap: most EMF guidance focuses on measurement and shielding, while the most effective interventions—design and distance—receive less attention.

THE FOUR LAYERS OF LEDNA

01 Building Location

Site selection relative to external EMF sources (power lines, towers, substations)

02 Electrical Wiring

Infrastructure design minimizing field generation through routing and panel placement

03 Room Distribution

Spatial planning maximizing distance between high-use areas and field sources

04 Communication Systems

Prioritizing wired infrastructure and strategic wireless positioning

WHY THIS MATTERS

LEDNA acknowledges that complete EMF elimination is neither practical nor necessary. It focuses on strategic reduction, particularly in extended-use spaces and during vulnerable periods like sleep.

The goal isn't electromagnetic isolation. It's electromagnetic hygiene: informed practices and environmental design that reduce unnecessary exposure while maintaining modern infrastructure benefits.

Building the Network

Licensed Professionals and Global Reach

> ***"There is immense power when a group of people with similar interests gets together to work toward the same goals."***
>
> **Idowu Koyenikan**

22

EFEIA began 2025 without a single licensed professional. We closed the year with 22 licenses across 8 countries, with over 30 additional applications under evaluation.

GEOGRAPHIC DISTRIBUTION

Licensed professionals are concentrated in:

- Europe
- Latin America
- North America

SPECIALIZATION AND LEADERSHIP

The network didn't just grow in size. It differentiated:

- **Project leaders:** Managing BEMCP certification projects
- **Standards contributors:** Refining criteria and guides
- **Regional coordination:** Bridging communications in their region

WHAT LICENSEES DO?

EFEIA licensees:

- Conduct EFEIA Protocol assessments
- Lead BEMCP certification evaluations
- Contribute field research data
- Develop case studies and best practices
- Train emerging practitioners in electromagnetic hygiene assessment

BEMCP

Bio-Compatible Electromagnetic Compliance in Practice

FIVE PROJECTS, FOUR COUNTRIES

The Bio-Compatible Electromagnetic Compliance Program (BEMCP) moved from conceptual framework to active deployment in 2025. Five commercial environments are currently undergoing certification:

Geographic spread:

- United States (1 project)
- Latin America (3 projects)
- Europe (1 projects)

WHAT BEMCP EVALUATES

Unlike traditional EMF assessments focused on regulatory compliance, BEMCP evaluates:

01. Does the electromagnetic environment support human biology, including vulnerable populations?

02. Are ecosystems (pollinators, soil microbiota, wildlife) protected?

03. Are EMF emissions structured, minimized, or filtered to reduce biological disruption?

THE DEVELOPER CONVERSATIONS

Beyond individual certifications, EFEIA entered discussions with residential and commercial developers interested in integrating BEMCP from the design phase.

These conversations represent a philosophical shift: electromagnetic hygiene as foundational design principle, not retrofit.

TIMELINE AND COMPLETION

No BEMCP certifications completed in 2025. All five projects are expected to finish evaluation in early-to-mid 2026, yielding the first public case studies and documented methodologies.

The EFEIA Evaluation Protocol & EHS Global Census

PROTOCOL V2 LAUNCH: AUGUST 2025

The redesigned EFEIA Evaluation Protocol went public in August 2025. Phase 1 is now freely accessible at efeia.org and used by coaches and practitioners worldwide.

Key features:

- Two-part structure with five assessment steps.
- Enhanced screening for multisensitivities, sleep disorders, and environmental factors.
- Direct integration with the EHS Global Census for data contribution.

OPEN ACCESS MODEL

EFEIA made the protocol free to use. Organizations can adopt, distribute, and implement the Phase 1 assessment tools. This serves dual purposes:

1. **Immediate utility:** Practitioners support EHS-affected individuals with validated tools
2. **Data contribution:** Each assessment feeds the Global Census, creating a distributed research network

EHS GLOBAL CENSUS: 531 RESPONSES AND GROWING

Between the August launch and year-end, the EHS Global Census collected 531 structured responses, representing the most systematic electromagnetic hypersensitivity data collection effort to date.

Growth mechanism

Response collection accelerated when EFEIA invited aligned organizations to become census collaborators. By providing validated tools, EFEIA enabled:

- Health practitioners to serve clients while contributing research data
- Advocacy organizations to gather structured information instead of anecdotal reports
- Researchers to access a standardized, growing dataset

2026 PROJECTION

With collaboration infrastructure established, EFEIA projects 5-10x growth in 2026. A comprehensive census analysis report is planned for Q1 2026.

Field Research

Three Countries, One Question

EFEIA's field research model combines longitudinal data collection with practitioner-led science. Three active projects generate evidence across critical ecological systems.

ARGENTINA: BEE HEALTH AND COLONY RESILIENCE

Researcher: Ricardo Oneto

Oneto's study tracks electromagnetic vulnerability in honeybee colonies. This research informs EFEIA's Apiary Protection Project and provides evidence for agricultural policy recommendations.

SPAIN: LIVESTOCK, POULTRY, AND ORGANIC AGRICULTURE

Researcher: Iván Rodríguez López

Using 100 SPIRO CARD X devices donated by EFEIA, López conducts comparative field trials in health and behavioral patterns in cows and chickens under EMF exposure and long-term welfare indicators across agricultural sites.

ITALY: APIARY PROTECTION UNDER EXPERT DIRECTION

Researcher: Joaquín Machado, NOXTAK

In Q4 2025, EFEIA made contact with a new potential apiary protection project in Italy, overseen directly by Joaquín Machado, Chief Research Officer at NOXTAK and a leading figure in EMF mitigation science.

WHY THIS MODEL WORKS

These concurrent projects demonstrate EFEIA's distributed research approach:

- **Geographic diversity:** Multiple climates, regulatory environments, EMF exposure profiles
- **Cross-species relevance:** Pollinators, livestock, crops—systemic ecological impacts
- **Practitioner-led science:** Field researchers are EFEIA-licensed professionals, ensuring methodological consistency

Results will be synthesized into peer-reviewed publications and policy briefs throughout 2026.

Knowledge Infrastructure

Guides, Resources, Education

Digital Presence Growth

+150 followers

LinkedIn Page Launched

150 followers gained since launch in April 2025.

+212%

Instagram Account Growth

Account grew from 154 to 480 followers since January 2025.

258
Avg. Monthly Visits

29% Organic search

22% Social media referrals

25:21
Avg. session duration

Website Traffic

Metrics reflect quality engagement. Visitors spend time with educational content instead of scrolling past promotional material.

PRACTITIONER APPROACH GUIDES

Many coaches and practitioners encounter EHS clients without adequate training. EFEIA developed comprehensive guides covering:

- **Nutritional support:** Oxidative stress and cellular resilience
- **Psychological dimensions:** Differentiating psychosomatic response from physiological sensitivity
- **Central sensitization:** Nervous system amplification mechanisms
- **Practical recommendations:** Evidence-based symptom management

These guides equip practitioners to provide competent support while avoiding unvalidated interventions.

BLOG AND CONTENT STRATEGY

EFEIA published 20 blog posts in 2025, covering:

- EMF exposure fundamentals and classification
- Health implications for vulnerable populations
- Research summaries and study breakdowns
- Protocol updates and case study insights
- Content strategy prioritized depth over frequency, education over promotion.

Organizational Growth and Team

EFEIA grew from a founder-led initiative to an 8-member team in 2025:

LEADERSHIP

J. JOAQUÍN MACHADO
FOUNDER & DIRECTOR
Inventor of SPIRO® technology, Edison Award winner, and author dedicated to solving electromagnetic pollution.

MARIANELLA ROMERO
ADMINISTRATIVE & FINANCIAL MANAGER
Engineer, NOXTAK co-founder, and operational strategist whose personal EHS experience drives EFEIA's mission.

LUIS MIGUEL VALDÉS, MD
CO-FOUNDER & SCIENTIFIC COUNCIL MEMBER
Otolaryngologist specializing in electromagnetic exposure and auditory health, with clinical experience across 73 countries

TEAM MEMBERS

AMY PITUCH
CASE STUDY COORDINATOR & STRATEGIC COMMUNICATIONS

LINDA RUBIO
COORDINATOR OF LICENSING, ACCREDITATION & PUBLICATIONS

BÁRBARA ESTEVA
EUROPEAN DELEGATION COORDINATOR

CINTHIA RINCÓN
AUDIOVISUAL DOCUMENTATION MANAGER

MATTIAS SOLEDADE
PROJECT COORDINATOR FOR CASE STUDIES

WHAT THIS ENABLES

Team expansion allowed EFEIA to manage multiple concurrent projects, coordinate international research collaborations, develop educational content at scale, provide practitioner support and licensing administration, and build operational systems for long-term sustainability.

Strategic Positioning
Conferences, Collaborations, Visibility

GAIA HEALERS CONFERENCE
NOVEMBER 2025

EFEIA's presence at the Gaia Healers Conference in Orlando connected the organization with leading voices in biophotonics and energy medicine. These conversations opened a new research direction.

OUTCOME: BIOPHOTONICS PROJECT

EFEIA is developing a biophotonics-based methodology to measure electromagnetic influences through photon emission patterns. This could offer:

- Objective measurement of biological response to EMF exposure
- Real-time tracking of mitigation effectiveness
- A bridge between energy medicine and conventional bioelectromagnetics

Initial protocols expected in 2026.

X CONGRESO INTERNACIONAL DE MEDICINA AMBIENTAL
MARCH 2026

EFEIA confirmed sponsorship of the X International Environmental Medicine Congress in Madrid, hosted by Fundación Alborada at Universidad Complutense de Madrid.

This positions EFEIA at the intersection of clinical medicine, environmental health, and policy—critical for institutional partnerships and regulatory engagement.

RESEARCH CONTRIBUTIONS

EFEIA participated in the publication of 2 studies in 2025, including one within the Automotive Research Project framework, demonstrating commitment to peer-reviewed science and cross-sector collaboration.

What We Learned in 2025

THE MISINFORMATION PROBLEM

There's widespread confusion about where the real EMF pollution problem lies. Many focus on high-power sources (cell towers, power lines) while ignoring chronic, close-proximity exposures (devices, smart infrastructure, indoor wireless systems). EFEIA's educational work addresses this gap.

THE CONSENSUS GAP

No strong consensus exists on how to evaluate EMF risks beyond outdated thermal effect standards. EFEIA's protocols and BEMCP framework aim to fill this void with biologically informed assessment methods.

THE RECEPTION SURPRISE

The overwhelmingly positive global reception of EFEIA's work exceeded expectations. Practitioners, organizations, and researchers adopted our frameworks rapidly, indicating deep unmet need for credible, science-based electromagnetic hygiene standards.

THE INFRASTRUCTURE CHALLENGE

Building systems to make the EFEIA Protocol and Census self-sustaining required significant effort: forms, templates, workflows, communication systems, quality control mechanisms. This operational work, while invisible, enables everything else.

Looking Ahead

2026 and Beyond

INMEDIATE PRIORITIES (2026)

Q1

- EHS Census analysis report publication
- EHS Professional Certification Course launch
- EFEIA Podcast launch
- First BEMCP certification completions and case studies

Q2

- Madrid Congress participation and partnership development
- Biophotonics project publication
- Expanded licensing in North America and Asia-Pacific

Q3-Q4

- Research publication from Argentina, Spain, Italy field projects
- Second cohort of licensed professionals (target: 50 total)
- BEMCP additional categories criteria publication
- EFEIA Summit planning

2030

5-YEAR VISION

Accompanying major organizations, policymakers, and regulatory bodies in developing electromagnetic hygiene regulations and standards. Success means:

- **BEMCP adopted as reference standard** by green building certifications, health-conscious developers, and public institutions.
- **EFEIA Protocol integrated** into health practices for environmental health assessment.
- **EHS Census data informing** WHO, EPA, and international health agency guidelines.
- **Licensed professional network exceeding 200** coaches, technicians, and practitioners across 30+ countries.
- **Policy impact:** EFEIA-informed regulations implemented in at least 5 countries.
- **Research credibility:** EFEIA collaborators publishing 10+ peer-reviewed papers annually.
- **Public literacy:** Electromagnetic hygiene understood as fundamental to health, like clean air and water.

Acknowledgments

STRATEGIC PARTNERS & SUPPORTERS

EFEIA's work in 2025 was made possible by the support of:

NOXTAK

Sponsorship, research collaboration, and technical expertise.

SPIRO

Sponsorship, mitigation technology and field research support.

ENERTEX GROUP

Sponsorship and operational support.

GEMS

Research & networking.

TO OUR NETWORK

To the 22 licensed professionals who trusted EFEIA's vision and applied it in the field.

To the organizations that adopted our protocols and became census collaborators.

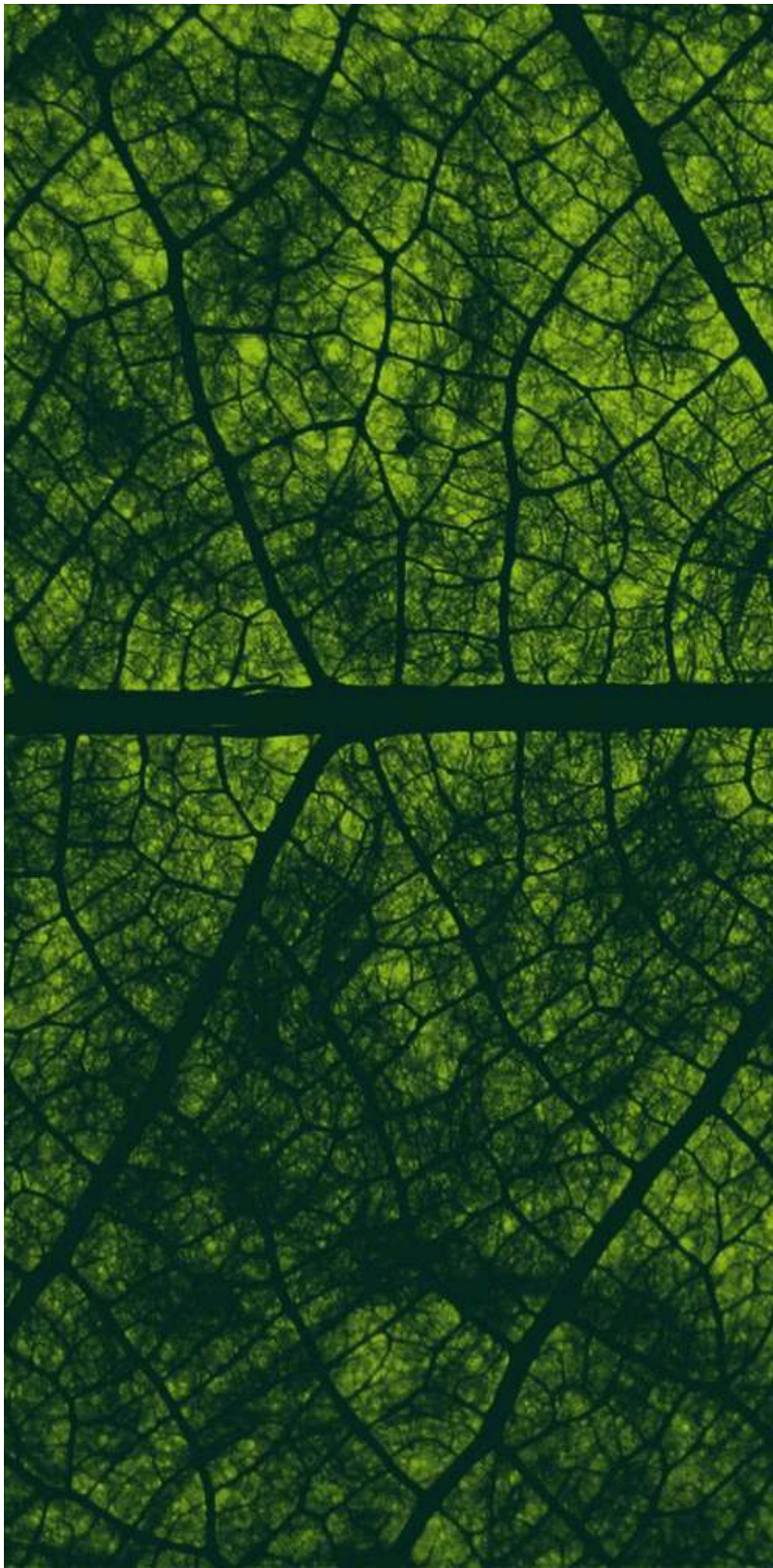
To the almost 300 individuals who shared their EHS experiences, contributing to a dataset that will inform the next decade of research.

To the researchers all around the world generating evidence where none existed.

To the team members, volunteer contributors, and Scientific Council members who built the infrastructure that makes this work possible.

THANK YOU.

EFEIA FOUNDATION



Website:

www.efeia.org

Address:

2555 NW 102nd Ave.
Suite 207
Miami, FL 33172

Email:

info@efeia.org

Phone:

+1 305 850 50 03