# LE PAPILLON SOURCE and the Vegetal Calderas, infrastructures of the Green Empire of the East and the West

In the face of contemporary climate, economic, and social challenges, small municipalities represent a lever that is often underestimated, yet essential for driving systemic change across territories. The international project LE PAPILLON SOURCE, led by Paul Elvere DELSART within the framework of the EL4DEV program, offers a bold alternative by placing these local communities at the heart of ecological and societal transition. Through the sub-program **"**The Municipalities Counter-Attack,**"** a groundbreaking model of decentralized cooperation is emerging, giving municipalities with fewer than 5,000 inhabitants the opportunity to become co-owners of strategic infrastructures with high ecological, educational, and economic impact. This initiative is based on shared governance, pooled resources, and a logic of interterritorial solidarity, thereby paving the way for more autonomous, equitable, and resilient development.

## 1 – LE PAPILLON SOURCE

LE PAPILLON SOURCE is a visionary transnational project initiated by Paul Elvere DELSART through his global program of multidisciplinary participatory engineering named EL4DEV. A true manifesto for a new model of societal, environmental, and civilizational development, LE PAPILLON SOURCE aims to transform local dynamics into powerful levers for international cooperation, territorial autonomy, and ecological regeneration. Conceived as a network of agroclimatic, touristic, and educational green cities and complexes, this project stands at the crossroads of natural geoengineering, social innovation, and alternative diplomacy.

Infrastructures bearing the LE PAPILLON SOURCE label are designed as educational theme parks and self-managed cities that serve simultaneously as centers for training, research, and sustainable production. They incorporate key modules known as Vegetal Calderas—vegetated vertical structures that generate beneficial electromagnetic fields and promote biodiversity, climate regeneration, and innovative food production. These three-dimensionally accessible structures symbolize the convergence of nature, science, and spirituality.

LE PAPILLON SOURCE also embodies an ambitious geopolitical strategy aimed at establishing politico-societal unions through consortiums of small municipalities grouped into Societal Economic Interest Groups. These consortiums co-finance the infrastructures and become co-owners, thus ensuring a redistributive economic model that promotes territorial autonomy, the valorization of local knowledge, and transnational intellectual cooperation.

The project is being deployed primarily in the Mediterranean region through the LE PAPILLON SOURCE MEDITERRANEAN initiative. This initiative seeks to make this area a laboratory for societal and environmental renaissance, capable of inspiring similar transformations across Europe, Africa, Asia, the Americas, and Oceania. The infrastructures become spaces for intercultural exchange, civilizational dialogue, and societal diplomacy, where peace and mutual understanding are fostered through experiential education and citizen participation.

Through his social fiction narratives, Paul Elvere DELSART breathes a unique narrative dimension into the project, deliberately blurring the line between fiction and reality. LE PAPILLON SOURCE thus becomes not only a concrete development program but also a transmedia and philosophical cultural work, inviting everyone to take part in a collective adventure of global transformation.

This project also relies on powerful digital tools such as the Big Smart Data EL4DEV information system, which allows real-time monitoring of the impact of local initiatives and their global interconnection. It offers a deeply transformative educational framework, capable of reorienting individual and collective behavior toward an ethic of the common good and respect for all living things.

Ultimately, LE PAPILLON SOURCE does not merely imagine a better society—it proposes concrete, adaptable, replicable, and measurable mechanisms for building one. It stands as a credible and bold alternative to current development models, offering a new path toward a more just, united, and harmonious world—one that aligns with both nature and the deepest aspirations of humanity.

## 2 – The two models of LE PAPILLON SOURCE cities/complexes

The two models of LE PAPILLON SOURCE cities/complexes are as follows:

1. Experimental agroclimatic, self-managed, and educational tourist cities
   Also referred to as alter-globalist educational theme parks, these cities are spaces for leisure, training, research, and cooperation. They offer an immersive experience that combines entertainment, learning, social innovation, culture, spirituality, and ecology. Their goal is to raise visitors' awareness of a new, sustainable, and ethical way of life.
2. Self-regulating agroclimatic green complexes for agricultural production
   Also known as self-managed food bank cities, these structures focus on innovative agroecological production. They employ alternative, environmentally friendly processes to produce food, generate water from the atmosphere, restore biodiversity, and strengthen territorial resilience. They also serve as hubs for training and scientific experimentation.

At the heart of both models are the Vegetal Calderas—vegetated vertical structures that emit beneficial electromagnetic fields and act as environmental and educational catalysts.

## 3 – The Vegetal Calderas

The Vegetal Calderas are one of the most innovative and emblematic pillars of the LE PAPILLON SOURCE project, developed by Paul Elvere DELSART as part of the EL4DEV program. These monumental structures—ecological, technological, and spiritual—embody the synthesis of nature, science, art, and a vision of a re-enchanted world. Designed as multifunctional vertical agroclimatic modules, they are installed at the heart of LE PAPILLON SOURCE-branded tourist cities and agricultural complexes, playing a central role in transforming territories and mindsets.

The Vegetal Calderas are vast vertical garden-forests, accessible in three dimensions, built from galvanized steel and designed as multi-level towers or vegetated pergolas that can reach up to ten stories. They are far more than architectural structures—they are genuine natural climate generators, capable of positively influencing local microclimates through a set of soft geoengineering technologies. These include systems for evapotranspiration, atmospheric condensation, and the emission of beneficial electromagnetic fields.

By design, these structures fulfill a wide range of environmental functions. They enable vertical reforestation of territories, increase atmospheric humidity, regenerate soils, produce fresh water, and help restore biodiversity. They serve as sanctuaries for pollinating insects (bees, butterflies), migratory and native birds, and provide habitats for numerous plant and animal species, contributing to halting biodiversity loss at both local and regional levels.

The Vegetal Calderas also have educational and touristic purposes. They are designed to welcome visitors, researchers, inventors, teachers, and students who come to explore and understand their mechanisms. Each level can host themed spaces: greenhouses, laboratories, medicinal gardens, eco-spiritual sanctuaries, birdwatching observatories, or areas for meditation and well-being. Their striking aesthetic, combined with their immersive nature,

makes them places of contemplation and connection with nature, fostering consciousness awakening and knowledge transmission.

These structures are also hubs of energy innovation, incorporating a mix of renewable technologies such as solar, wind, piezoelectricity, and ferro-electricity, ensuring complete energy self-management. They serve as concrete examples of the potential for creating intelligent, autonomous, and environmentally respectful infrastructures.

However, the Vegetal Calderas go beyond their environmental or educational functions. They embody a philosophy of world re-enchantment, introducing a vibrational and energetic dimension into the territories. Thanks to an architecture inspired by radionics and sacred geometry, they are designed to emit beneficial waves that enhance the physical, emotional, and mental well-being of living beings. This holistic approach radically distinguishes them from conventional infrastructures.

From a social and territorial standpoint, they are powerful tools for decentralized cooperation and rural revitalization. As structural elements of the LE PAPILLON SOURCE complexes, they enable small municipalities of fewer than 5,000 inhabitants—particularly in the Mediterranean region—to become co-owners of strategic infrastructures that are at once productive, educational, and touristic. This model promotes financial autonomy for territories, the creation of local jobs, food sovereignty, and harmonious, ethical development.

In conclusion, the Vegetal Calderas are the material expression of a new civilizational paradigm. They combine regenerative ecology, experiential education, technological innovation, applied spirituality, and territorial cooperation. Through their ability to transform physical, economic, social, and symbolic landscapes, they pave the way for a resolutely different future: one that is more respectful of life, more united, and deeply reconciled with nature.

## 4 – Bioclimatic Corridors and Flying Rivers

The Vegetal Calderas, created by Paul Elvere DELSART as part of the EL4DEV program and the LE PAPILLON SOURCE project, are not merely autonomous structures with high ecological and educational value. They are also designed as fundamental links in a strategic territorial network: Bioclimatic Corridors, whose function goes far beyond local land development. Once activated by the installation of Calderas, these corridors become large-scale climate transformation vectors, contributing to the creation of artificial Flying Rivers—a phenomenon inspired by the natural water cycle and atmospheric biogeography.

### Vegetal Calderas as climate generators

Each of these vertical structures, hosting a wide variety of plants—including species with high evapotranspiration capacity—acts as a unit for releasing moisture into the atmosphere. Thanks to their terraced vegetated architecture and circular irrigation systems using condensed atmospheric water, they create a humid microclimate around them, even in arid zones. The moisture released into the air is then carried and displaced by winds, forming genuine atmospheric flows of water vapor, comparable to the natural Flying Rivers observed in the Amazon rainforest.

### From local links to regional Corridors

When a series of Vegetal Calderas are strategically aligned to form a continuous chain across multiple territories—for instance, in Mediterranean, semi-arid, or desert regions—these structures work synergistically. They form a Bioclimatic Corridor, a kind of atmospheric green infrastructure capable of extending the beneficial effects of each Caldera over several kilometers. The humidity generated by one structure is relayed to the next, increasing local condensation rates, cloud cover, and thus, potential rainfall.

## Artificial Flying Rivers

These Corridors give rise to what Paul Elvere DELSART calls artificial Flying Rivers: continuous atmospheric humidity flows artificially generated by the combined action of the Calderas, circulating through the atmosphere above the affected territories. These flows transport water vapor over long distances, enabling not only local climate cooling but also rehydration of neighboring areas—and even the triggering of regenerative rainfall in regions beneath these paths. This represents a form of positive and soft geoengineering—non-invasive and respectful of natural balances.

## Systemic impact

The artificial Flying Rivers created through the Bioclimatic Corridors:

- Help combat desertification and increase climate resilience in vulnerable areas.
- Improve soil fertility through increased humidity and stimulation of microbial life.
- Restore biodiversity by creating microclimates favorable to many plant and animal species.
- Support regenerative agriculture and agroforestry systems established around or between the Calderas.

## A planetary engineering project

On a global scale, this network of Bioclimatic Corridors, initiated by the Vegetal Calderas, is designed to progressively expand across all continents: first around the Mediterranean basin, then into the Saharan region, India, South America, and the neglected rural areas of Europe and Asia. The goal: rehydrate the Earth, stabilize local climates, restore the disrupted water cycle caused by human activities, and initiate a new civilizational model in symbiosis with the biosphere.

In summary, the Vegetal Calderas are much more than local installations for sustainable agriculture or tourism—they are catalysts of natural climate geoengineering on a regional and global scale, and the elemental building blocks of a planetary network of Bioclimatic Corridors capable of restoring the atmospheric water cycle. They embody a profoundly innovative vision: to reshape the planet's climate not through technological domination, but through the proliferation of interconnected, regenerative islands of life.

# 5 – The Municipalities Counter-Attack

The LE PAPILLON SOURCE infrastructures and their Vegetal Calderas will be co-financed through an innovative decentralized cooperation model developed by Paul Elvere DELSART, under the sub-program THE MUNICIPALITIES COUNTER-ATTACK. This mechanism is based on a strategic alliance between small municipalities (typically with fewer than 5,000 inhabitants) and the LE PAPILLON SOURCE EL4DEV Think and Do Tank, in a spirit of territorial solidarity and resource sharing.

## A model based on the creation of Societal Economic Interest Groups (E.I.G.s)

At the heart of this process, each participating country forms a national consortium in the form of a Societal Economic Interest Group (E.I.G.). This national E.I.G. is composed of voluntary small municipalities and the international Think and Do Tank LE PAPILLON SOURCE EL4DEV. Its main objective is to collectively design, finance, and manage the LE PAPILLON SOURCE-branded cities and complexes within the national territory.

## Pooled financing

Each member municipality of the consortium contributes financially, usually from its investment budget, to support the design, construction, and management of the infrastructures. The contribution amount is standardized to prevent inequality, ensuring fair distribution of the economic benefits generated from tourism, agriculture, and education-related activities within the complexes.

Municipalities may also seek public subsidies, European funds, or initiate non-profit crowdfunding campaigns involving citizens and diasporas to support the project. These funds can be allocated to projects in other territories, provided they serve a local or national public interest—which applies here due to the educational, ecological, and diplomatic scope of the infrastructures.

## Operational contracts

The commitments between municipalities and the Think and Do Tank are formalized through operational contracts, which define governance, management procedures, maintenance, operations, and the redistribution of resources. These contracts ensure operational transparency, traceability of financial flows, and collective co-ownership of the constructed facilities. This reinforces local sovereignty and prevents any form of privatization or appropriation.

## Benefits for municipalities

By joining a national consortium, each municipality:

- Becomes co-owner of high-value infrastructures (Vegetal Calderas, educational tourist cities, agroclimatic complexes);
- Receives a fair share of generated revenues, regardless of its size or geographic location;

- Gains financial autonomy, reducing reliance on state grants or mandatory levies;
- Achieves international visibility, becoming a key player in a groundbreaking transnational initiative;
- Enhances its territory, attracts visitors, researchers, and socially responsible investors, and stimulates sustainable local job creation.

A virtuous circle of development

Thanks to this pooled approach, the LE PAPILLON SOURCE infrastructures become replicable, adaptable, and self-sufficient, fitting into an evolving model. The first completed projects serve as prototypes for others, initiating a process of territorial expansion. Over time, each E.I.G. can fund new sites, improving the model's performance and reducing costs through the standardization of technical solutions.

In Summary

The Vegetal Calderas and LE PAPILLON SOURCE infrastructures are not imposed from above, but co-built locally, with and for the territories. The "Municipalities Counter-Attack" sub-program transforms small towns into central actors in a new societal, ecological, and educational governance model, proving that an inclusive, solidarity-based, and ambitious development model can emerge from the grassroots.

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Boards (French and English)
https://boards.com/a/sxRqU.zysZ4h
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## Websites and web pages

Main
https://www.paul-elvere-delsart.net/
http://www.el4dev.com/
http://www.el4dev.com/papillon/
http://el4dev.info/

Portal
http://www.el4dev.net/

Presentation of the founder and program director
https://sites.google.com/view/paul-elvere-delsart-el4dev/

Open letters
http://www.eng.paul-delsart.com/Eng%20Paul%20DELSART.htm
http://www.eng.elvere-delsart.com/Eng%20Elvere%20DELSART.htm
http://www.el4dev.com/the-think-and-do-tank
http://www.el4dev.com/Sponsors-Eng

Action plan and projects
http://action-plan.el4dev.org/Paul%20Elvere%20DELSART's%20action%20plan.htm
http://projects.el4dev.net/Paul%20Elvere%20DELSART's%20projects.htm

Live-Action Role Playing Game (LARP) in Alternate Reality: Green Empire of the East and the West
http://establish-empire.el4dev.info/Establish-Green-Empire-East-West.htm
http://larp.el4dev.net/LARP%20-%20Green%20Empire%20East%20and%20West.htm
http://www.eng.el4dev.org/

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