

CLIMATOPOLIS SMART CITIES

2022

# PRESENTATION



CLIMAtoPOLIS



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# INTRODUCTION



"Our house is burning and we are looking elsewhere" said the former President Chirac at the 4th Earth Summit in Johannesburg. It was in 2002, 20 years ago... This phrase is more than ever relevant because it carries two strong messages:

- The first reminds us that we all share the same house, the Earth! We have no alternative...
- The second message reminds us that it is burning and that the ecological emergency is here. This means that it is now that we must commit ourselves.

This commitment concerns first of all the leaders of this world who, at the COP21 in Paris in 2015, signed a historic treaty.

It also concerns the citizens of the world, many of whom, individually or through associations, have become aware of the importance of small everyday gestures to defy fatality. This commitment to stop looking the other way also concerns the economic world: business, industry, finance and trade.

This world must no longer be THE problem. It must become THE solution. This is what CLIMATOPOLIS is all about.

To date, many innovations are working to reduce the ecological impact of human activity. But they often remain isolated. We believe that we must constantly generate synergies to accelerate the marketing of effective technological solutions that are virtuous for our planet and for humanity.

CLIMATOPOLIS is the answer to this problem of pooling within our international network of green smart-cities.



[www.climatopolis.fr](http://www.climatopolis.fr)





# CLIMATOPOLIS AROUND THE WORLD

## Climatopolis Shanghai

Chine

Constructed in 2021

Inno-polis surface: 12.500m<sup>2</sup>

Life-polis surface: 3.400m<sup>2</sup>

Green-polis surface: 14.800m<sup>2</sup>



## Climatopolis Villefranche

France

Construction in 2025

Inno-polis surface: 10.800m<sup>2</sup>

Life-polis surface: 4.700m<sup>2</sup>

Green-polis surface: 14.700m<sup>2</sup>



## Climatopolis Florence

Italy

Under study

Inno-polis surface: 15.700m<sup>2</sup>

Life-polis surface: 12.700m<sup>2</sup>

Green-polis surface: 27.500m<sup>2</sup>



## Climatopolis Dakar

Senegal

Construction in 2025

Inno-polis surface: 4.200m<sup>2</sup>

Life-polis surface: 1.800m<sup>2</sup>

Green-polis surface: 14.000m<sup>2</sup>





# IDENTITY



## Developing a positive and prosperous ecology

Climatopolis' identity is to foster the research and development of sustainable innovations, to identify and create startups, with the sole objective of effectively fighting climate change. Our business model is based on a unique startup acceleration methodology, new investment vehicles and innovative training, information and academic research supports. Our clients benefit from an ideal working environment, encouraging innovation and creativity within our scientific smart-cities, built in ways that are virtuous for our environment, while guaranteeing our investors an exceptional return.

Our challenge is to accelerate green innovations, to transmit the knowledge, technologies, data and analysis necessary for populations, industrialists, farmers and financial advisors to be in compliance with CSR, SDGs and ESG approaches. Thus, we enable them to make decisions to protect their tangible assets, secure their investment choices, and then mobilize them around the financing of our startups and green smart-cities, to fight against climate change and thus contribute to the development of a green, profitable and prosperous economy.

In line with the European taxonomy, our charter aims to contribute to climate change mitigation, adaptation to climate change, sustainable use and protection of water and marine resources, transition to a circular economy, pollution prevention and control, protection and restoration of biodiversity and ecosystems.



# CHAIRMAN'S MESSAGE

I have been mobilized for many years around environmental values and sustainable finance, I created and developed startups in the greentech fields (ENR Cogeneration, green chemistry, data sensors and agricultural drones). Consequently, I became a Green Deal expert for the European Union and Ambassador for the Climate Pact.

As a networker, I decided together with a group of international climate experts to create a unique offer to convey our environmental values to the world through science, innovation, information, employment, sustainable construction and green business.

Why Climatopolis? Because we are just becoming aware of the need not to upset the balance of our environment. We must therefore respect its ecosystem, which can be defined as a value chain in a loop, where information circulates within the biodiversity to constantly solve the problems of balance related to human behavior. But today, nature is running out of steam, it has difficulty in finding solutions, which represents an unprecedented risk for our humanity. We must therefore adapt to nature and not the other way around.

Climatopolis' mission is to help us adapt as quickly as possible, by raising awareness, providing information and proposing useful solutions in the fight against climate change. Our expertise is thus dedicated to accelerating virtuous innovations for our environment, collecting green data useful for decision-making, identifying technological synergies at the global level with an interdisciplinary approach and a willingness to mobilize researchers, industrialists, universities, investors, bankers, our international partners and governments to work together for a positive and prosperous ecology.

Olivier Camp



CLIMATOPOLIS SMART CITIES

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**"Nature must be seen as an essential component of the field of innovations because it offers us the means to correct the wrongs we cause it."**

**Olivier Camp**

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# CLIMATOPOLIS OFFER

CLIMATOPOLIS is a unique concept, TECHNOLOGICAL, INFORMATION, REAL ESTATE and INNOVATIVE SERVICES WITH HIGH ADDED VALUE, whose mission is to build scientific Green Smart Cities around the world, real showcases for green buildings and technological solutions ( Greentech, chemtech, agro-ecology, smart-agriculture, green care, data) effective in terms of climate change.



## 01. Why a green smart-city ?

Because, smart buildings represent an essential element to promote the evolution of green technologies, with an efficient use of energy and biomaterials. An eco-responsible architectural know-how, integrated into Climatopolis and recognized as a real support for meeting the climate challenges facing today's society. These positive energy bio-sourced ecosystems provide, thanks to artificial intelligence, big data and the Internet of Things, connectivity and interoperability: key elements for reducing CO2 emissions within cities.



## 02. High value added services

As a smart-technology showcase, each smart-city is built to serve science, information and innovation for the benefit of our planet.

### THE INNO-POLIS :

1 Accelerator of green startups (from 30 to 100) financed by our internal funds and accelerated according to our own unique program.

2 R&D laboratory and an industrial unit

3 University campus (technicians, engineers, researchers) who work with our startups to accelerate innovation and mutualize knowledge (with amphitheater for courses and conferences)

4 Data Climate Exchange offer: collection and analysis of ESG and CSR environmental data / report and climate scenarios useful for decision-making (funds, banks, groups, States, etc.)

5 Climate museum and associated leisure activity: cultural center for raising awareness of the harmful effects of climate change.





# CLIMATOPOLIS OFFER

## THE LIFE-POLIS :

- 1 Bioclimatic accommodation: offer of eco-friendly accommodation built to meet the needs of employees of the technology park
- 2 Restaurant
- 3 Fitness center
- 4 Educational center
- 5 Shops: Eco-friendly commercial surface built to meet the needs of the neighborhood and the municipality
- 6 Kindergarden for the needs of families working in the technology park



## THE GREEN-POLIS :

- 1 Aquaponic or hydroponic vertical greenhouse for any food or specialty crop
- 2 Scientific agriculture: experimental land for research demonstrators in terms of cultural innovations



## THE TECHNICO-POLIS :

Climatopolis markets a set of virtuous technological solutions for our environment:

Territories' offer (local authorities, municipalities)

Companies' offer (SMEs, industries, groups)

- 1: Renewable energy solutions (solar, biomass, tri-generation, etc.)
- 2: Water management solutions (recovery, desalination, etc.)
- 3: Waste recovery solutions (methanization, cogeneration, etc.)
- 4: Eco-construction solutions (sustainable architecture, biomaterials, etc.)
- 5: Smart and digital solutions (IOT, drones, sensors, AI, blockchain, etc.)
- 6: Green chemistry solutions, co-products and specialty crops
- 7: Greensafe auditing, consulting and standardization services

# STARTUPS OFFER

Climatopolis is the first startup accelerator specialized in solutions to fight global warming. We create or accompany startups that have a real impact on sustainable development and climate change and that are in the seed or growth phase.

We are particularly looking for disruptive startups that offer new technologies to the market and have concrete prospects for industrialization and commercialization, at the international level.



## 01. OBSERVATIONS

Of the 7,000 incubators in the world, the vast majority are generalists and there are none that specialize solely in climate change (some focus on cleantech, others on green chemistry, but there is no accelerator that pools all of the skills, training and innovations around the climate cause...)



## 02. THE ANSWER

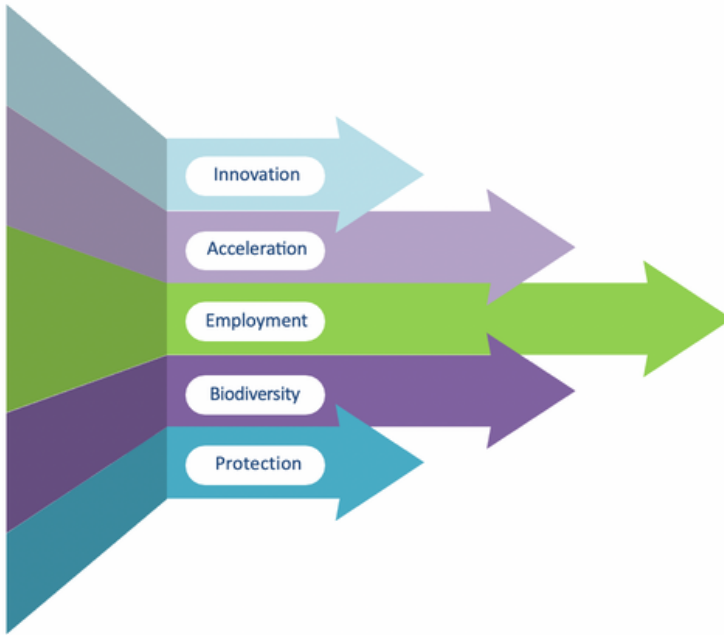
CLIMATOPOLIS is a profitable innovative investment vehicle and a unique incubator for creating and accelerating startups that offer clear environmental benefits, with a significant degree of disruptive innovation in a captive market and a competent founding team.

Climatopolis offers all the necessary components for the success of a startup:

- Financing
- Tax optimization
- R&D and industrial synergies
- Services to accelerate innovation
- Innovative solutions to capture and disseminate knowledge
- Patenting and creation of startups by Climatopolis
- Business development handled by Climatopolis' teams
- Expert administrators who support the development of startups and their managers

# STARTUPS OFFER

## HIGH VALUE-ADDED SERVICES



### FUNDING

We fund and develop our startups using a unique acceleration methodology



### RESEARCH

Our team of researchers will accompany startups in their innovation and information process



### ACCELERATE

Create, accelerate, structure and develop startups to commercialize their innovations internationally



### PROTECT

Collect, analyze and market green data for sustainable finance, businesses and governments

## THE TECHNOLOGIES WE DEVELOP

### RENEWABLE ENERGIES

Solar, wind, marine, biomass, CO2 capture, smart-grids, green hydrogen, cogeneration, methanization, waste heat, hydroelectricity, energy storage...

### GREEN CHEMISTRY

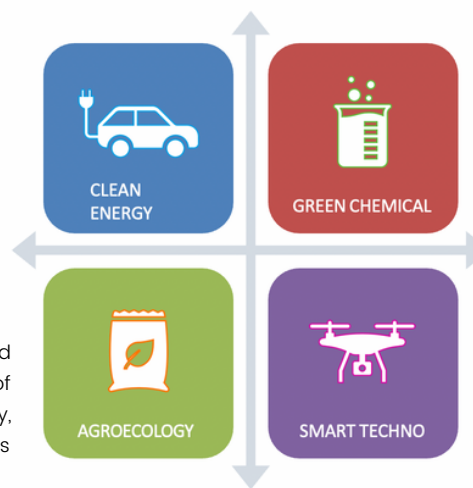
Natural formulations, active ingredients (Cosmetics - Pharmaceuticals), CO2 capture, organic solvents, biocatalysis, biomass and waste valorization, health, industrial eco-efficiency, biomedical ...

### AGROECOLOGY

Smart-Agriculture, agtech, aquaponics, organic and sustainable agriculture, permaculture, protection of biodiversity, animal and plant species, biomimicry, water management, protection of the coastline, oceans and marine species, deforestation...

### RELATED TECHNOLOGIES

Smart sensors, mapping, artificial intelligence, digital, IOT, big data, sustainable mobility, drones, eco-construction, biomaterials, green architecture, autonomous robotics, blockchain...





# THE TERRITORY OFFER

## HIGH VALUE-ADDED SERVICES

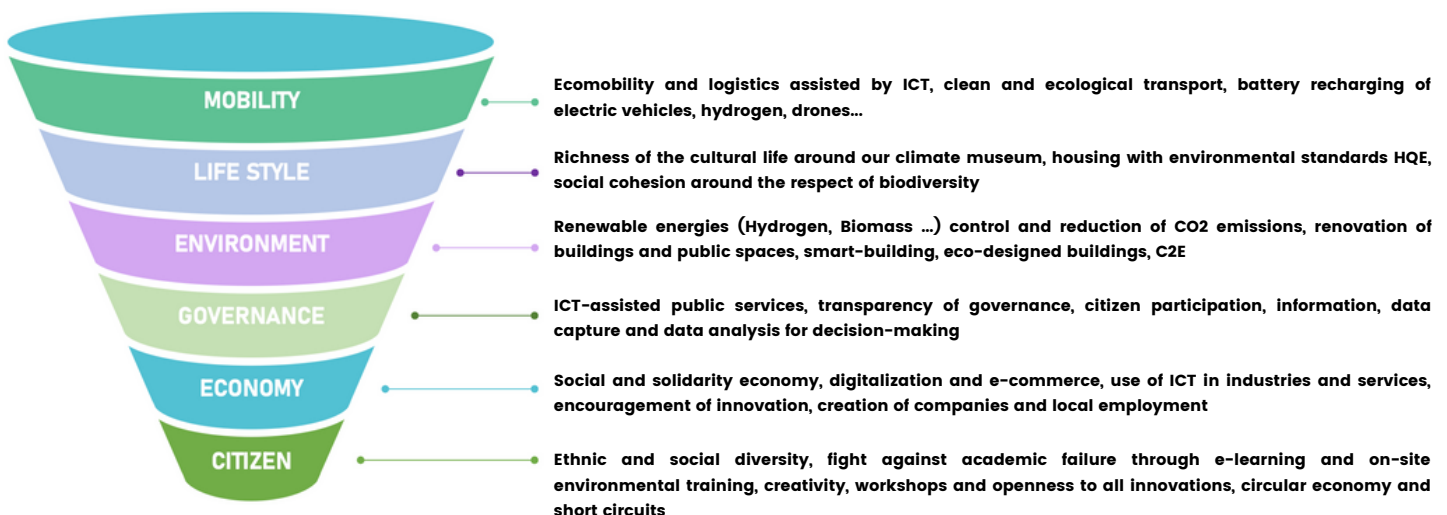
The "smart city" uses information and communication technologies to improve the quality of urban services and optimize its management costs.

Climatopolis' Green Smart City concept is a model of urban architecture that responds to the changing economic, environmental and social needs of local authorities, companies and citizens, all of whom are stakeholders in the same territory and aware of the need to anticipate the effects of climate change and to invest according to sustainable criteria, CSR, ESG and C2E.

The role of Climatopolis is therefore to participate in the structuring of territories and to accompany their adaptation to different climate scenarios. These scenarios are rich in data and allow us to explore relatively different futures. They also allow us to measure the potential impacts on cities, their inhabitants and their economic fabric.

As an expert in EMAS audit, our determinants in smart cities data analysis are the following: (transport-mobility, energy, buildings, industrial and agricultural processes, waste, land use).

## Our SMART CITY model



# THE TERRITORY OFFER

## CLIMATOPOLIS MENTON / FRENCH RIVIERA

An economic and territorial structuring project

A network of technological partners for the benefit of innovation

In accordance with the 7 trajectories of French Riviera

Impact of CLIMATOPOLIS for the benefit of French Riviera

### TERRITORIAL AND DEMOGRAPHIC TRAJECTORY

Territorial attractiveness, scientific smart city "the Silicon Valley of the French Riviera", soft mobility, architectural and climatic strategy of mid-slope cities

### ECONOMIC AND SOCIAL TRAJECTORY

Creation of 600 to 1000 jobs over 5 years, social and solidarity economy.

### EDUCATIONAL TRAJECTORY

Cluster of climatic and scientific excellence in the French Riviera / Creation of the university cluster in Monaco/ specialization in greentech and health/fighting against school failure through agro-ecology/apprenticeship and facilitate the return to employment

### ENVIRONMENTAL TRAJECTORY

Energy autonomy, decarbonized island, biomass valorization, protection of the marine environment and endemic species, agrotech, urban mobility, well-being, sport and health

### FOOD TRAJECTORY

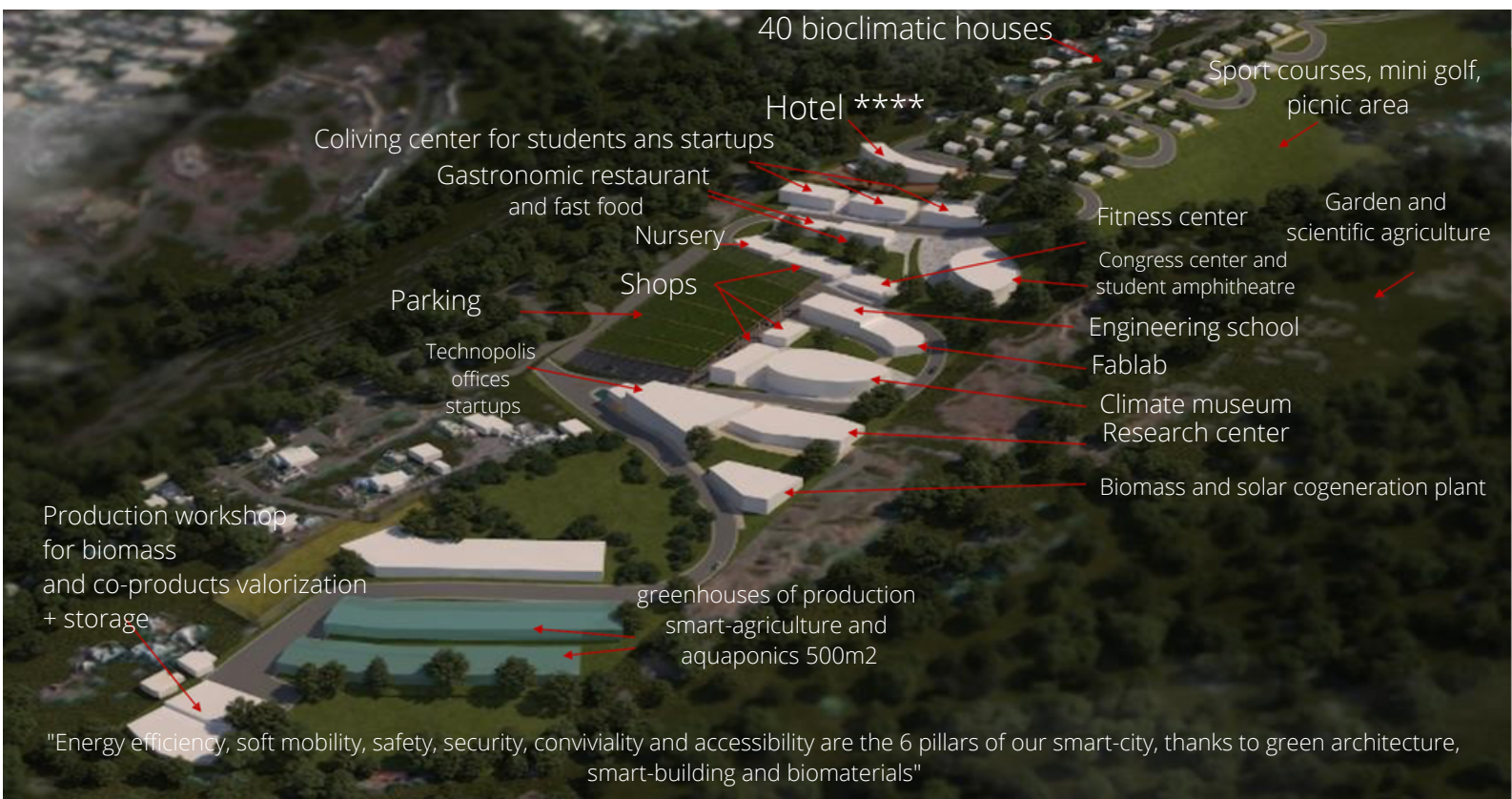
Semi-robotized smart greenhouses, import reduction, water saving and crop optimization in agroecology, food security, aquaponics

### TERRITORIAL HAPPINESS TRAJECTORY

Quality of life at work in a smart-city, a technological showcase for environmental well-being, respect for gender parity and the promotion of women in our teams for the benefit of collective performance and citizenship

### CITIZEN TRAJECTORY

CLIMATOPOLIS must be the environmental project of the inhabitants of the French Riviera, including Monaco, bringing together in one place all the research and skills of the area for the benefit of the region and its citizens.



### Impacts for Reunion Island

800 to 1000 JOBS created over 5 years - 92 M€ of investments - 15000 visitors / year - 100 M€ of turnover / year + Tourism Impact





# THE TEAM



ASSOCIATES



D. Cardelli & N. Wang - Founding architects of the firm [www.andstudio.net](http://www.andstudio.net)

Famous firm in green architecture and smart-cities, And Studio is located in Paris and Shanghai. (many great prizes of architecture won in China)

A firm of 45 people passionate about the environment, the territory and green architecture, focusing their design on human needs.



J. Lassus - Master in real estate and business law

25 years of professional experience in real estate development, green architecture, eco-construction and business development in the building sector.

Expert in European Union subsidies in the field of eco-construction, recycling, waste recovery and biomaterials. Director of strategy and of the subsidiary Climatopolis Réunion.



K. Benhaoum - DEA in Philosophy and expert in political communication

Former study officer - Parliamentary Group under the presidency of Jean-Louis Debré at the National Assembly - Director of communication of several communities (Chalon-sur-Saône, under the authority of Dominique Perben, South Province New Caledonia - Cynthia Ligeard, Leucate - Michel Py) Chief of staff of the President of New Caledonia. Director of communication and network development at Climatopolis.



I. Khamassi - Double Master in International Law, Marketing and Data

She is the founder in China of KTI International, a consulting and information company in the Asia and Middle East region, notably with large international groups and luxury brands. In direct relation with investors and federal governments, she will manage 2 Climatopolis in China.



A. Alvarez - Master in international trade, polyglot (French, Spanish, English, Italian)

Chargé d'affaires at the French Embassy in Venezuela.

Financial analyst at Libra Capital

Alexia is in charge of the startup acceleration process at Climatopolis:

Finance & taxation - Educational programs - International business development - Partners and subsidiaries relations.



D. Mezzaros - Specialist in smart agriculture, drones and data

Business lawyer - Global fundraising and partnerships - Services to international groups and princely families UAE - Legal and tax advice Asset management -

Strategic advisor for innovative start-ups, multinationals and large-scale industrial project development.

Founder of Smartkas greenhouses in the Netherlands with a team of researchers [www.Smartkas.com](http://www.Smartkas.com)



B. Quadjovie - Aerospace Engineer

Mechatronics - Design of drones or suborbital aircraft

Engineer in mechanical structure design for satellites, Thales Alenia Space

Creation of a range of modular solutions (recycled containers) for high-pressure aeroponics as well as horticultural management software for optimal control of these micro-farms.

[www.bioafarm.com](http://www.bioafarm.com)



# ADMINISTRATORS



Dominique PERBEN

Lawyer - Political Science - ENA class of 1972

Former Minister of Overseas Departments and Territories, Civil Service, Minister of Justice, Minister of Transport, Equipment, Tourism and the Sea Business, institutional and political network relations to develop Climatopolis in the world



Jérôme Vuillemin

DEA Syst. Animal and plant - Comparative anatomy - Phylogeny - Systematics - Theories of evolution - Nomenclature

Director of [www.qualitropic.fr](http://www.qualitropic.fr), a competitiveness cluster that accelerates innovation

Expert in European standardization committees "TC38 - Durability of wood and wood-based products



Estelle Crochelet

Doctor in Marine Ecology / Agricultural Engineer specialized in Marine Ecology and Information & Communication Technologies

Specialized in spatial ecology of marine ecosystems in the Indian Ocean. Publications in international journals. Regional manager for the Indian Ocean for the European BEST programs, within the IUCN

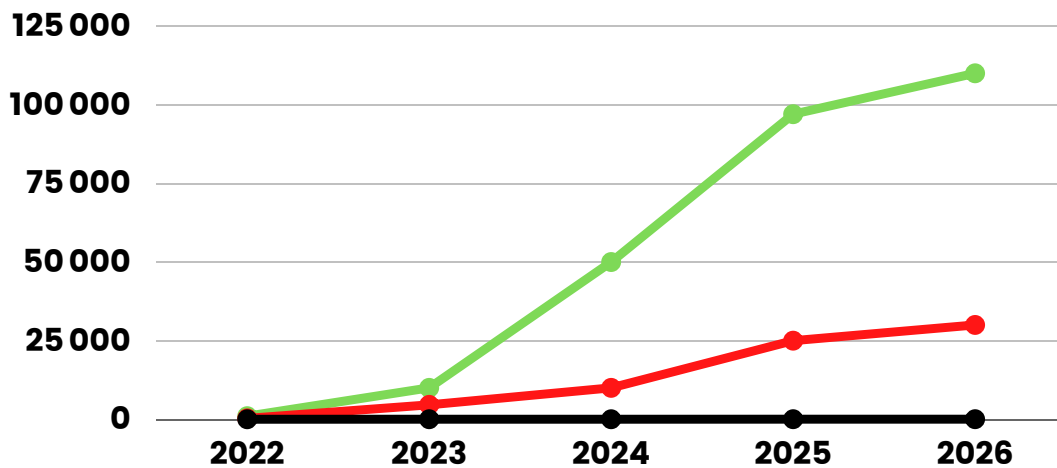
Vice president of the Research Agency for Biodiversity in Reunion Island at ARBR



# BUSINESS PLAN

## Forecast Turnover / EBITDA

Our goal is to build, with our investors, 35 Climatopolis around the world by 2030



35

CLIMATOPOLIS around the world by 2030

500

Million euros of sales (forecast 2030)

20000

Creation of green jobs over the world

Our disruptive and innovative concept, both architecturally and environmentally, is of interest to many cities, developers and investors, as it has the advantage of ensuring high real estate profitability thanks to a balance between scientific activities (climate technology park), commercial activities (hotel, restaurant, climate museum, shops, etc.) and residential activities (bioclimatic housing for the employees of the smart city).

## PERFORMANCE INDICATORS

- **Climat Data Exchange offer:** scientific data collection based on our global network of startups and researchers
- **Knowledge management:** Climatopolis will centralize all global knowledge and optimize it to serve innovation for the benefit of the environment, thanks to artificial intelligence, blockchain and big data
- **Objective:** Capitalize on real estate, patents and data

# CONCLUSION

In the face of global climate change induced by our production and consumption methods that are not very respectful of our environment, we are becoming aware that the planet is suffering and reacting. Today, many innovations are acting in favor of reducing the ecological impacts of human activity. Experts agree that it is necessary to centralize all scientific research and innovation in environmental matters into a single offer in order to generate synergies and accelerate the marketing of effective and virtuous technological solutions for our planet.

Climatopolis is a logical response to these needs, while generating profitability, employment and efficiency in the face of climate change.

01

## INVESTMENTS

For each Climatopolis

- 100 million euros

02

## PROFITABILITY

For each subsidiary of the group

- 25%

03

## JOBBS

For each Climatopolis + startups

- 500 jobs

04

## STARTUPS

For each subsidiary (on average)

- 50 startups





# ACKNOWLEDGEMENTS



We would particularly like to thank all the people and organizations that support CLIMATOPOLIS:

- Our partners, directors and employees
- Our funders: JD EUROWAY / LANDES FINANCE
- Our scientific, institutional and commercial partners

**Thank you for your continued support  
of our efforts to help achieve our  
climate change goals**

## Contact details

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