

Terr Oïko



NEW TECHNOLOGIES
AND ECOLOGICAL ENGINEERING
FOR BIODIVERSITY MANAGEMENT

OUR REASON FOR BEING

Since 2012, TerrOïko has been developing and implementing technological solutions to assist public and private stakeholders in their biodiversity management efforts, leveraging the latest scientific advancements.

What we offer our clients :

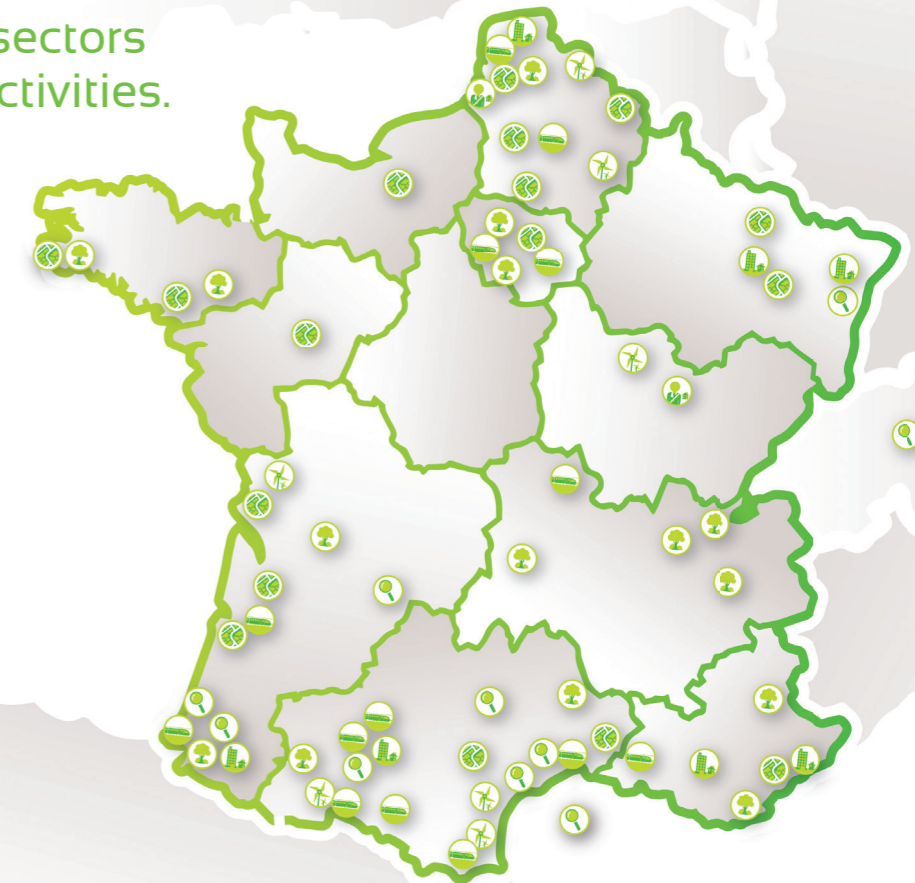
- ▶ Expert software Support
- ▶ Consulting services
- ▶ Training sessions

Our technological expertise :

- ▶ Simulation of species' life and movement
- ▶ Animal tracking using sensors and artificial intelligence Data
- ▶ analysis and statistical modeling
- ▶ Ecosystem mapping
- ▶ Biodiversity digital twins
- ▶ Web applications and data visualization

TerrOïko's solutions are applicable in sectors of the following activities.

-  Industrial and urban planning
-  Renewable energy
-  Natural areas
-  Infrastructure
-  Territorial planning
-  Public policy evaluation
-  Research



MAIN USES

Strategy

- Land prospecting
- Planning

Regulatory

- Environmental Impact assessment
- urban planning document
- Mitigation hierarchy

Conservation programs

- Action plan
- Project evaluation

research

- ecological modelling

OUR SOFTWARE

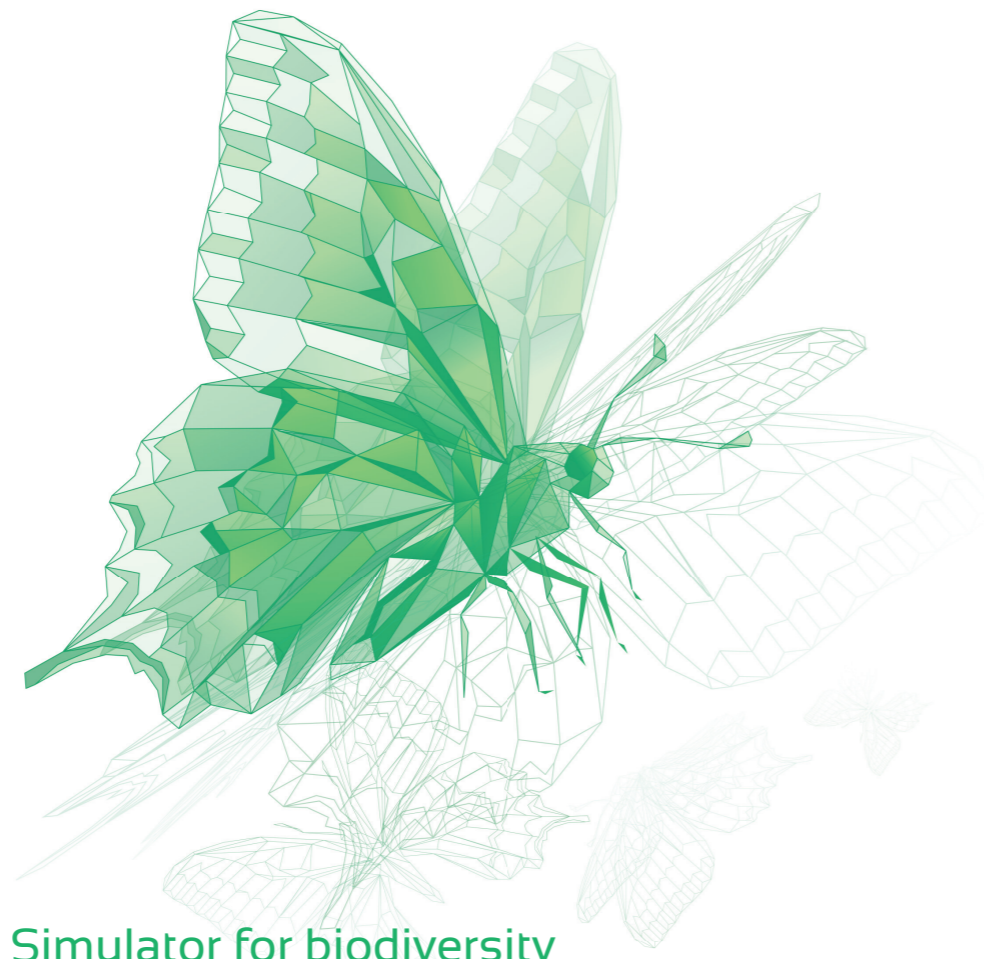


SIMOÏKO SIMULATES HOW SPECIES LIVE IN A TERRITORY.

Depending on your identified needs, SimOïko offers flexibility that allows the modeling to be adapted to your needs.

MAIN FEATURES

- ▶ Ecological realism
- ▶ Objectivation
- ▶ Prospective vision
- ▶ Fine diagnostics on a large scale



Simulator for biodiversity

SimOïko is a digital service that identifies sites of ecological importance for the life of species and assesses the effect of projects on their populations and movements. Reliable, precise and economical, SimOïko carries out ecological diagnoses that support your decisions.



LEARN MORE



BIODIVERSITY MONITORING WITH SMARTER SENSORS

▶ SPEED AND RELIABILITY :

- Annotation 8 times faster
- 12 species groups identified
- Average accuracy of 97

▶ COLLABORATIVE :

An annotation project can be shared with multiple collaborators.

▶ TAXONOMY TAXREF :

Based on the standard TaxRef taxonomy.

▶ CONFIDENTIALITY :

Adjustable data confidentiality levels.

▶ EXPORT :

Export of images sorted by classes and annotations.



Identifying species using artificial intelligence

Ocapi is a web platform for animal species recognition on images, assisted by AI. The use of AI enables the analysis of large volumes of photos, particularly to estimate population sizes, understand species characteristics and behaviors, and ultimately improve biodiversity protection measures.



LEARN MORE



OUR SERVICES

CONSULTING AND RESEARCH

Support for research

We assist you in the implementation of innovation programs, action research, and research and development in ecology, eligible for the Research Tax Credit (CIR).

Consulting in the design of tools and methods

We help you analyze environmental data, implement scientific methods, and create digital tools focused on biodiversity.

Ecological engineering projects

We provide comprehensive expertise in ecological engineering, data science, and project management. We have supported over 200 clients in conducting their studies.



TRAINING PROGRAMS

TerrOïko helps you better integrate ecology and data science.

We offer training in two areas :

- ▶ Data processing and analysis in ecological engineering.
- ▶ Training on our software Simoïko and Ocapï.

Expertise and flexibility

Training provided by doctors and engineers in ecology with experience in conducting studies.

Programs that can be tailored to your specific needs.

Sessions organized at your preferred location: in our offices, at your premises, or within training organizations...



They trusted us :



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