

Strengthening the adaptation of urban spaces to climate change

NATURE FOR CITY LIFE

maregionsud.fr













The sustainable city: a challenge for Provence-Alpes-Côte d'Azur

The increase in urbanization is a major pressure on the regional territory, contributing to the scarcity of land and the reduction of biodiversity. Indeed, today 92% of inhabitants in the Southern Region live in urban areas. Reducing the effects of urban heat islands, means preserving the quality of life of populations and the attractiveness of urban spaces by developing nature in the city.

THE NATURE FOR CITY LIFE PROJECT

Increasing the level of nature in cities to adapt to climate change is the challenge of the "Nature For City LIFE" project, led by the Southern Region, with the support of the European Union's LIFE programme.

The project aims to train, inform and raise the awareness of all city stakeholders (elected officials, technicians from local authorities and the private sector, citizens, secondary school and university students, etc.) on the services provided by nature in the city to adapt to climate change.

A sustainable city means pooling the needs of the various stakeholders to accelerate the ecological transition for resilient territories.

The ecosystem services provided by nature in the city are numerous: regulation services (climate, pollution, flooding etc.), cultural or recreational services (education, leisure, etc.) or production services (urban agriculture).

Nature does not stop on the outskirts to the city. It is everywhere, in various forms: parks and gardens, rows of trees and derelict land, but also shared gardens, neglected areas or wild plants sheltering insects.

Flood risk reduction

Improved health and well-being

Combating urban heat islands

Biodiversity reserve

THE NATURE FOR CITY LIFE PROJECT

A regional project to develop nature in the city in order to adapt to climate change.

THE SOUTHERN REGION AND ITS 8 PARTNERS

Duration:

5 YEARS

(2017-2022)



















2 OPERATIONAL OBJECTIVES

Inform Educate Raise awareness Enable the deployment of new nature-based solutions

TARGET AUDIENCES

400

elected officials

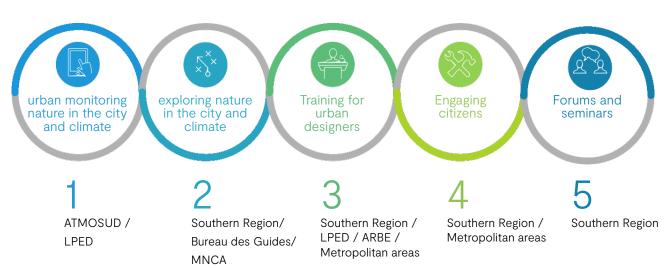
1000

city stakeholders in the public and private sectors

3 000

citizens and secondary school students

5 ACTIONS



and MTPM



Development of urban monitoring as a tool for "nature in the city and climate" governance and information

Urban monitoring must allow for a better understanding of the services provided by nature in the city in relation to climate change among the various stakeholders (various audiences, elected officials and technicians).

The aim is to produce physical, sociological and economic data through two complementary sub-actions, directly in the territories, to provide objective evidence of the services provided by nature in the city.

C1.1. Climate monitoring

Poor air quality has negative health consequences, including respiratory problems, cardiovascular problems and chronic diseases. Improving air quality is an important public health issue. The purpose of monitoring multiple emissions sources is to assess population exposure, forecast and monitor air quality to enable authorities and individuals to take action.







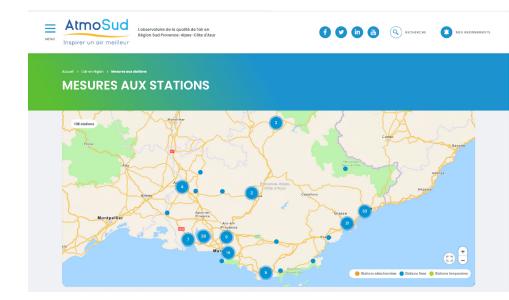
- Implementation of a system for measuring temperature, humidity and air quality on demonstration sites identified as green and blue infrastructure (GBI) in the three project areas
- Air quality measurements through the installation of 18 sensors on the territory of the 3 major cities, accompanied by information panels

AtmoSud Observatory

AtmoSud informs the public if pollution levels increase.

The data are available on the Atmosud Observatory for the Southern Region.

This page is updated daily and provides access to air quality information for the entire region.



Development of urban monitoring as a tool for "nature in the city and climate" governance and information

C1.2. Socio-economic monitoring

The aim here is to produce sociological data on the perceptions of the role of nature in the city in the face of climate change in the project's three metropolitan territories.



- Sociological surveys of the general public
- Sociological surveys with technicians and community elected officials

EIGHT SURVEYS WERE CONDUCTED WITH 582 RESPONDENTS

275
PEOPLE
on an urban walk

in 2018

55 PARTICIPANTS IN THE WALKS in 2020 91 TECHNICIAN AND ELECTED OFFICIAL in 2018

15 ELECTED OFFICIALS SURVEYED in 2020 92
PARTICIPANTS
IN THE MOOC
in 2020

74
INHABITANTS
OF MIRAMAS
in 2022

WITH THE FOLLOWING RESULTS:

CONTRIBUTIONS ATTRIBUTED TO NATURE IN THE CITY

58%
Better air quality

Maintain fauna and flora

4/%
Lower the temperature

46% Avoid overbuilding

43% Create links between residents

FUTURE ACTIONS TO BRING MORE NATURE INTO THE CITY

66%

Create green spaces

64%

Less construction

32%

Plant trees along boulevards

18%
Allow wild vegetation

Create artificial habitats

3 WEBINARS

were organized to disseminate the results of the surveys, reaching approximately 250 participants. A training session for the elected officials of the city of Miramas, which attracted 30 participants, was also co-developed with the ARBE in July 2022.

Creation and development of urban walking trails as communication tools in each city

This action aims to create urban walking routes and an exhibition entitled "Nature in the city and climate" to communicate, inform and raise awareness of the multifunctional role of urban green and blue infrastructure (GBI) in the face of climate change.

C2.1 Development of new trails to explore the city



Aix-Marseille Provence

The GR2013 is a 365 km long metropolitan trail. It allows an unprecedented movement of inhabitants and visitors through 38 municipalities, across a territory of 3,000 km². It is the first long-distance hiking trail to combine culture and nature. The Bureau des Guides GR2013 invites people to explore the cultural and artistic dimensions of the Metropolitan Trail to better observe, perceive and understand what surrounds us.

85

2,354 participants







Toulon Provence Méditerranée

The trail created is designed to help people discover the heritage of the urban area and includes information on the role of GBI to improve resilience to climate change.

32 events

461 participants

6 editions of trail guides entitled, «Dehors», which describe the adventures to be had.

No.1 Paul-Hervé Lavessière
No.2 SAFI Collective
No.3 Nicolas Memain

No.4 de l'évidence de partir du terrain [The self-evidence of starting from the ground up]

No.5 De la nécessité de se relier [The importance of connections]

No.6 De l'importance des récits [The importance of stories]

Nice Côte d'Azur

A set of routes was created using footpaths in Cagnes-sur-Mer, Carros and Nice (Ariane district, Eco-quartier du Ray and Promenade du Paillon).



10 events

290 participants

Creation and development of urban walking trails as communication tools in each city



1

C2.1 Creation of artistic works

Artistic works were created and inaugurated on the Metropolitan Trails to develop forms of expression and cultural mediation.

2



Aix-Marseille Provence

1 Miramas Saint-Suspi lake: LAURENT GONGORA

"Little by little..."

2
Technopole de l'Arbois (Aix):
PARENTHÈSE COLLECTIVE
AND WORKSHOP
FLORENT CLIER

"Reconnecting with the living"

3
Port de Bouc Fernand Léger
Art Center:
CÔME DI MÉGLIO



3







6

Toulon Provence Méditerranée

4

Domaine de Fabregas, La Seyne-sur-Mer: LUCAS IRAD

"Auberge'IN"

5

Le Las departmental garden, Toulon: **LÉANDRINE DAMIEN**

"Li Bello Vedere"

6

Faculty of Law, Toulon: LISA JACOMEN

"Telo Solis"

7

Musée Jean Aicard park – Paulin Bertrand, La Garde: ESTELLE LADOUX

"Cigala"





Creation and development of urban walking trails as communication tools in each city



C2.2 Creation of a nature in the city and adaptation to climate change exhibition

Developed by "Chercheurs en herbe" on behalf of the Southern Region, this traveling exhibition aims to raise awareness among different types of audiences, both schoolchildren and others, about the challenges of nature in the city and solutions for adapting to climate change.

Click here to find out more

7 themes

14 panels

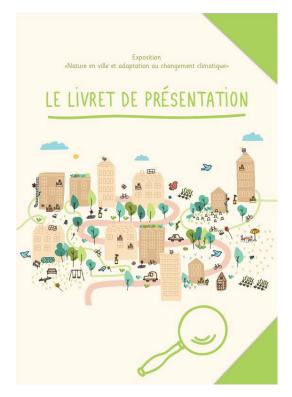
AN EDUCATIONAL KIT

with fun games

SELF-GUIDED TOUR OR WITH A FACILITATOR

Regional coverage with 10 copies distributed around the region. nature4citylife@maregionsud.fr

See here for booking contact details









4 HANDBOOKS TO HELP RUN THE EVENT:

Presentation booklet
Educational booklet
Practical guide
Tips and tricks
Download here

17,359 PEOPLE REACHED

in the Provence-Alpes-Côte d'Azur region thanks to the NFCL exhibition



Mobilization-training of urban designers on the theme of "nature in the city and climate"





This action aims to train all urban designers in the ecosystem services provided by nature in the urban environment as well as techniques for integrating nature into current or future urban projects (joint development zones, renovation works, infrastructure, etc.).

C3.1 Creation of a "nature in the city and climate" mooc

- · To understand the different forms of nature in the city, their functioning and the associated ecosystem services;
- · To be aware of the current state of the art and the techniques used to incorporate and manage nature in urban projects;

- · To understand urban strategies for climate resilience;
- · To participate in exchanges and debates on this subject to enhance professional practices.
- · 7 weeks of classes accessible on a dedicated platform and translated into 5 languages: French, English, German, Italian and Spanish

moocnatureforcitylife.eu

Introductory course themes

The different forms of nature in the city and the associated ecosystem services:

The techniques used to incorporate and manage nature in urban projects; Understanding urban strategies.

Advanced course themes

Improving air quality through urban greening;

How can cities be greened in the context of climate change?

New concerns, new knowledge, new practices.

2,496 learners for the introductory course and 1,263 for the advanced course, including 379 foreign-language learners.

In total: 995 certificates issued



C3.2. Training for elected officials



AGENCE RÉGIONALE POUR LA BIODIVERSITÉ ET L'ENVIRONNEMENT

Training for elected officials in the issues of nature in the city as a factor in adapting to climate change is an essential focus of the NCFL project. The aim is to give them the tools to better understand the issues of nature in the city and climate and to identify the actions that could be implemented in their area. The Region has collaborated with the ARBE (Regional Agency for Biodiversity and the Environment) to set up specific schemes.

3 schemes aimed at elected officials:

1. Feedback sheets to help local authorities define and implement their action plan for the (re)introduction of nature in the city and combat global heating.

Examples:

Creation of permeable surfaces and alternative rainwater management options: Feedback sheet from Aubagne

The local urban plan (PLU) as a tool to promote nature in the city: Feedback sheet from La Garde

(find all 15 sheets on the website nature4citylife.eu)

2. The modules choices training offer;

<u>Click here</u> to discover the modules in detail

Module A: 1 hour to explore and act

Module B: Field visits

Module C: Workshop/lunch

Module D: "Nature-based solutions"

workshop

3. Webinars on creating permeable surfaces in school playgrounds:

Why undertake a project to create

Suitable methods and types of support

Project engineeri

Project engineering

Design considerations

A total of 366 elected officials and 204 technicians from the metropolitan area and 80 elected officials and 187 technicians from non-metropolitan areas were trained. Another 547 participants were reached, making a total of 1,384 people.

Mobilization-training of urban designers on the theme of "nature in the city and climate"

C3.3 Practical workshops for elected officials and "nature in the city and climate" technicians on planning and development tools

The objective is to support the three metropolitan areas during the preparation of their urban planning documents or development projects by providing them with additional support for the organization of practical "nature in the city" workshops for elected officials and technicians.

The Southern Region worked with the consulting firm "SENSEE Culture Couleurs", which specializes in the fields of consultation and mobilization, to provide support to local authorities.

Workshops with a triple objective: educational, participatory and

Work to be developed over time

Key methodological points



A recommendations guide has been specially created for the workshops for elected officials and technicians to provide feedback and facilitation ideas for optimal organization.

workshops were organized, with

technicians

elected officials taking

planning documents were examined.







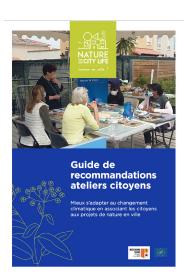
Engaging citizens in urban planning projects

The objective of this action is to ensure that citizen consultation is developed at the earliest possible stage of the process. This allows members of the public to make their observations or proposals and thus contributes to improving the quality of urban projects, which in turn strengthens their acceptability.

C4 Citizen workshops

The central objective of these workshops is to enable the production of content that can support local authority services and help the project evolve to create more space for nature in the city.

<u>A recommendations guide</u> for organizing citizen workshops



Several workshops to ensure that the consultation process runs for a period of time

Specific content for each project

Creation of methodological sheets

- Facilitating a nature in the city workshop in a public place
- An event that can be rolled out to multiple locations: planting and creating permeable surfaces in school playgrounds
- Principles of remote facilitation



24
workshops were organized

supported urban projects involving

966 citizens

13/ technicians





Forums and seminars

Mobilize stakeholders, share experiences and strengthen citizen involvement in the territory's climate governance

1

European Forum

2021

in connection with the IUCN Congress



2

Citizens' Seminars

2021 and 2022

1

Closing seminar

15 June 2022

C5.1 European forum "re- wrapping cities – thinking nature" – 200 participants

Disseminate the methodologies and the first results of the project and enhance the experiences of other European territories

Part 1, 1 July 2021

1 plenary conference:

From urban biodiversity to urban planning: Philippe Clergeau

6 round tables:

- · from the permeable city to biodiversity;
- · reflecting on health-focused urban development from an adaptation perspective;
- · the role of water in cities;
- · failed projects or how to learn from your mistakes or those of others;
- · action research to inform public policy;
- · citizen involvement.

Part 2, 8 October 2021

1 plenary conference:

Nature to the city's rescue. Desire, urban well-being, forgotten issues, inequalities: Lise Bourdeau Lepage

2 round tables and 5 urban walks:

Is the green city a city for the rich? European projects: how Europe has tackled the issues of nature in the city and feedback on the projects discussed.

5 urban walks

(Foresta, the Aygalades stream, Terradou, La Cabucelle, Trees in the city)



C5.2 Citizens' forum - 200 participants

Share experiences between citizens to increase knowledge and awareness of the project's issues.





Toulon

14 and 15 May 2021

Forum held as part of the 48-hour Festival of Urban Agriculture organized by the Var Collective for Agriculture.

- Mobilize and unite local
 Metropolitan Trail partners;
- Pre-launch the Metropolitan Trail;
- Promote the other actions in the Nature for City LIFE programme.

Morning: a feedback session co-organized with the Bureau des Guides BGR 2013 setting out the results of the five years of the project with a number of its sponsors and speakers, exploring the idea of a "path travelled in a shared geography".

-Screening of the AtmoSud film on climate monitoring:

https://youtu.be/Q9Sy7R0G34w

-Nice Côte d'Azur film screening https://youtu.be/pfIDDRPG7bQ

In the afternoon: visits and urban walks to discover emblematic sites of Nature in the City (Arson Square, Saint-Jean d'Angely Garden, Paillon river bed)

Relive the event:

NATURE FOR CITY LIFE 2022 - You-Tube

Production of a 4-page spread on the project by the magazine «Sans Transition».

Nice

30 September and 1 October 2021

Forum held as part of the Nice Transition Days

- Raise awareness of a theme;
- Understand concepts;
- Revisit the question of nature in the city and its role.

C5.3 Closing seminar 15 june 2022

This closing day was an opportunity to disseminate the final results of the project to all partners and stakeholders and to launch the After LIFE programme.



Communication

Create simple and accessible communication tools to inform and raise awareness among the general public, stakeholders and project partners.

Production of 6 newsletters to report on the project's latest news:



ACTUALITÉS ACTUALITÉS

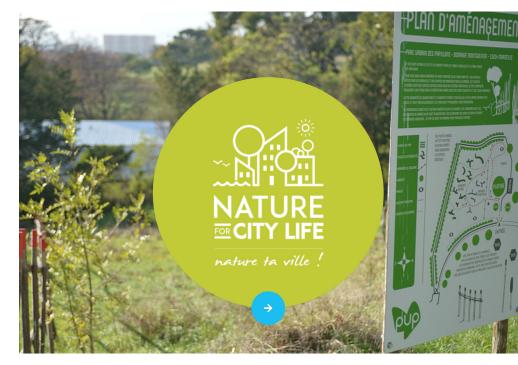


Retour sur le forum européen Nature for City LIFE du 8 octobre 2021





Formation des Elus : c'est parti ! Zoom sur l'exposition



October 2022 Newsletter

November 2021 Newsletter

April 2021 Newsletter

December 2020 Newsletter

October 2020 Newsletter

July 2020 Newsletter

A website to learn more about the Nature for City LIFE project where you will find the full range of general information, feedback and educational resources on nature in the city:

http://www.nature4citylife.eu/communication-and-resources/

200 articles or news items. 11, 236 visits to the website



Networking

Exchange information, capitalize on methodologies and join relevant networks on the theme of the NFCL project to increase your skills.



Sharing of experiences with European LIFE and INTERREG projects and European networks. Around 20 meetings and/or presentations.

Production of 6 feedback sheets before the European forum in 2021 by European partners.

Sharing of experiences, methods and results of the project with regional partners. Around 40 meetings and/or presentations.

THE AFTER LIFE PLAN

Development of an After LIFE plan to strengthen the project's objectives over time. The After LIFE plan is ambitious insofar as it strengthens some existing actions and promotes new ones including:

Urban monitoring of nature in the city and climate

Continued access to air quality data via QR codes on information boards

Production of a publication written by the LPED "Les Impromptus" summarizing the surveys carried out within the framework of the project with the various stakeholders (users of the districts concerned, elected officials, technicians, MOOC and walk participants)

"Nature in the city and climate" trail

Promotion of artistic works along the GR2013 trail and the Toulon Provence Méditerranée metropolitan trail

Continued rollout of the exhibition and its educational kit available to various audiences

Training of urban designers

Continued provision of training for elected officials and technicians with the ARBE

Support for the metropolitan areas in writing their urban planning documents/projects

Free and continuous access to the MOOC videos

Engaging citizens

Support for complementary actions around creating permeable surfaces and planting projects in metropolitan areas in the Southern Region

Communication

Continuation of the website

NATURE, A SOLUTION FOR BETTER LIVING IN THE CITY

Learn more about the Nature for City LIFE project

http://www.nature4citylife.eu nature4citylife@maregionsud.fr































