

DIAG' POLLINATOR'S

Tools to assess and handle green spaces and
increase awareness in favour of pollinators

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THE CONTEXT

Pollinating, mainly carried out by insects, makes up one of the essential environmental functions: more than 90% of wild plants depend on it!

Humankind also gets the advantage of these natural functions, through what we call the services of the ecosystem, of which pollinating is part. This free service ensures the maintenance of 75% of the diversity of cultivated species (35% tonnage) and has been estimated at between 200 and 290 billion Euros per year (IPBES Report, 2016).

However, **pollinating insects**, like biodiversity, **are declining dramatically**. 26% of European bumblebees are in danger of extinction, more than 10% of wild bees too and 76% of the biomass (total mass) of insects has disappeared in less than 30 years!

The growing expansion of towns is partly responsible for this decline but it can, in the framework of **an adapted management**, turn out to be positive for the pollinators, as can be seen in a part of an English town where the populations of bumblebees are more highly thriving than in the surrounding countryside. The tools presented here by the ARTHROPOLOGIA association in 2020 will enable different publics to be guided in the organisation, differentiated management and awareness concerning pollinators.

Three tools have been conceived:

DIAG' GREEN SPACE POLLINATORS

DIAG' POLLINATORS GENERAL PUBLIC

DIAG' POLLINATORS - SCHOOLS

DIAG' GREEN SPACE POLLINATORS



WHAT IS IT?

It is a tool in the form of a diagnosis, composed of an evaluation grid, suggestions and a list of the most suitable vegetation to protect the pollinators. It applies to all green spaces in France.

THE AIM OF THE DIAGNOSIS

This tool enables the managers of green spaces and public highways, landscape gardeners and town planners to assess independently the quality of a site for pollinators and to identify the margins of progression so as to answer the elementary needs of the pollinators, such as providing food resources, nesting and hibernation spaces. A hierarchisation of the following stages is proposed to prioritise the actions in favour of the pollinators.



THE DIAGNOSIS CONTAINS

- An assessment grid
- A list of suggested management and layout
- Lists of plants to be favoured

IDENTITY CARD

- The criteria taken into account:

Part 1: Food resource areas

Part 2: Nesting habitat

Part 3: Pesticide use

Part 4: Community action (awareness)

- Necessary prerequisites for using the tool:

Know how to identify a local, exotic or horticultural plant.

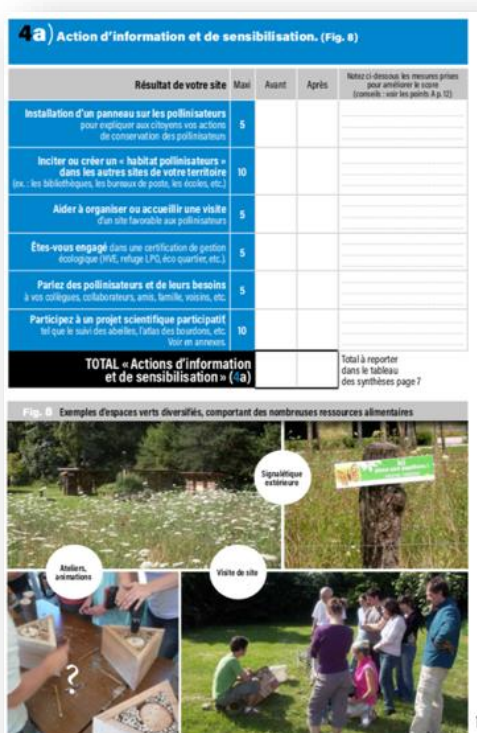
- Time of execution:

➔ Getting started, around 2h (variable depending on the size of the site)

➔ When already familiar with the tool, around 30 min (variable depending on the size of the site)

Tool inspired by the diagnosis of the Xerces Society

Ce projet est cofinancé par l'Union européenne.



DIAG' POLLINATORS GENERAL PUBLIC



■ WHAT IS IT?

The concern of this tool is to enable a diagnosis - in terms of biodiversity - on a garden, joint-ownership courtyard or again the green space of a company's premises. Intended for individual use, this tool will enable the assessment of the capacity to receive the pollinators and to identify the margins of progress.

■ THE AIM OF THE DIAGNOSIS

This tool will bring, to the population, information on the collapse of biodiversity and how biodiversity is essential to humankind. With the help of different formats, it will enable citizens to become involved in the protection of pollinators by changing the way they manage their green spaces - be they gardens or balconies. Tools will also aim at involving its municipality concerning this essential question.

THE DIAGNOSIS CONTAINS

- **A resource brochure** on the concerns linked to biodiversity with the focus on pollinators
- **A site booklet** enabling the quality of a terrain to be defined in terms of food resources and nesting habitats available to attract pollinating insects.
- **Suggestions** for layout and management
- **Informative propositions** for those involved in the site – managers or the community.

THE STAGES

The tool will be circulated among the community partners and actions of awareness will be proposed to present the implementation of this diagnosis.

An exchange space like a forum will be able to be set up so as to animate a network of ambassadors whose mission will be to solicit the participation of other, new citizens.

A website could be set up to draw up a list of the actions taken by the citizens in their gardens, communal green spaces or by their municipalities.

[Tool inspired by the diagnosis of the Xerces Society](#)



WHAT IS IT?

It's a tool that looks a little like a survey and is made up of challenges and activity cards for teachers. Discovery of local biodiversity, a diagnosis of the space targeted to welcome pollinators and suggestions for organisation will be the different sequences of this work carried out by the teachers.

THE AIM OF THE DIAGNOSIS

A great number of school playgrounds have an integrated green space but the classes do not often bother about it.

The essential concern today is to make these spaces more attractive, improve their ecological function (favour biodiversity, especially pollinators) so as to make them a real pedagogical medium for the teachers for everyday implementation.

THE DIAGNOSIS CONTAINS

- **A survey** composed of job cards and assignment cards
- **Challenge cards** to go even further
- **A 2D cartoon** to present the notion of biodiversity
- **A resource booklet** with key elements and suggestions

THE STAGES

A complete file will be given to the teacher for them to carry out the whole of the stages independently. The guidance of the association is also to be envisaged to supervise a school outing for the discovery of the local biodiversity, to diagnose the targeted space and arrange the place to attract pollinators.

