

BUTTERFLIES AS POLLINATORS

Due to their great aesthetic value and their transformation of metamorphosis that they undergo in their life cycle, butterflies are possibly one of the groups of insects most appreciated by naturalists and the general public. There are butterflies of many colors and sizes and, unlike their sisters the moths, they tend to have daytime activity. Adult Lepidopterans (which also include moths) have a lick-sucking mouthpart called a spirit-tube, which serves to feed on the nectar of flowers. This characteristic makes them insects that play a fundamental role in plant-animal interactions, and therefore pollination. Like the rest of the groups of pollinators, very important declines have also been registered in their populations in recent decades, which has led them to gain special attention not only for the fact that they are very efficient pollinators but also for being excellent

LIFE 4 POLLINATORS

The aim of the project is to improve pollinator conservation by creating a virtuous circle leading to a progressive change in practices across the Mediterranean region.



In Mediterranean countries (Spain, Italy, France and Greece) there is inadequate awareness about the role of wild pollinators and the importance of conserving their diversity. This knowledge gap is one of the main obstacles to proper planning of successful programmes to address the main drivers behind pollinator decline and ensure sustainable management and restoration of the remaining high-value pollinator habitats.



bioindicators. of ecosystem health.

MOTHS AS POLLINATORS

Moths have been frequently ignored as pollinators due to the lack of knowledge about their biology, but recent studies place them as a very important group of pollinating insects, with plant species that depend exclusively on them to be able to reproduce. Apart from suffering the same threats as other groups of pollinators (climate change, loss of habitat, use of pesticides,...), nocturnal pollinators such as moths are also affected by light pollution, increasing their vulnerability especially in areas urban or interurban, so conservation efforts need to be intensified for this group. The project will contribute to a range of EU policy and legislation, including amongst others the biodiversity strategy, the pollinators initiative and biodiversity protection under the common agricultural policy.





Agrius

convolvuli

It has

a gray

dorsal

stripes

with pink

BODY

Large sphinx

with grayish body and

dark spots

and lines.

Hindwings

are gray or

light brown with

dark bands.

MOTHS

thorax and

stellatarum

BODY

The ab-

domen

tail

ends with

scales that

give it the ap-

abdor

IDENTIFYING MOTHS

Vhen at rest

the wings

against the

are pressed

Moths are nocturnal, so during the day it will be difficult to see them flying. Traditionally they have been classified in the Heterocera group of Lepidopterans and are the largest group of Lepidopterans. In general, moths differ from butterflies by the following features:

- 1. Moths have feathery or sharp-edged antennae while butterfly antennae are usually smoother
- When at rest, moths are prone to hold the wings down, pressed against your body and parallel 2. to the ground. On the other hand, butterflies are prone to holding their wings in an upright position.

BODY

It has forew-

ings with a

complex

pattern of

coloration

between

brown, gray

and silver

colors

edge.

Hindwings are light

brown, darkened at the

3. Generally, moths have much duller colors than butterflies and their bodies are shorter and wider, and they often have scales on their thorax and abdomen.



DIMENSIONS: 40-45 mm

BUTTERFLIES

proboscis

Iphiclides po

dalirius

Very

tails

marked

DIMENSIONS: 31–46mm

Longi

tudinal

black

spots

IDENTIFYING BUTTERFLIES

Thora

Females are

males

slightly larger than

angle





DIMENSIONS: 32–47mm





Utetheisia

pulchella

Very

charac-

teristic

dotted

pattern on a

white background

DIMENSIONS: 29-42mm





DIMENSIONS: 28-46mm

ocellus

pupil

marginal band



edges on the sides. DIMENSIONS: 80–105mm front of its forewings with verv characteristic coloration

with mottled

black and

red dots on

a white back-

ground

hindwings white, with dark

gray spots on the margins.

white, thight and smooth

Its abdomen and thorax are



DIMENSIONS: 40–45mm

Zervnthia

rumina

Vit

reous

window

near the apex

unmistakable coloring pattern formed by a mosaic of black and red spots on a yellowish background.

Red dots with a black outlinewindow near the apex

Females are slightly larger than males

DIMENSIONS: 18–29mm



Orange with black spots and dots. The forewings present a large black spot in the apical area that also contains white spots.

The hind wings have scattered black dots. On the reverse, the hind wings have brown tones and white veins.

DIMENSIONS: 21–34mm

