



This is based upon work from COST Action CA17122, supported by COST COST is a funding agency for research and innovation networks. Our Actions help connect research initiatives across Europe and enable scientists to grow their ideas by sharing them with their peers. This boosts their research, career and innovation.



FSC



all our friends and colleagues who work on pollinators and their conservation. To find out how to become a citizen scientist visit alien-csi.eu or contact us: thethreemosquiteers @gmail.com

flowering plants Tell everyone about the

- in your neighbourhood for protecting pollinators and
- Find out about local actions
- Build bee hotels

- herbicides

- Do not spray pesticides and
- Grow flowering plants

Ner Y moth

Nawk-moth

pjqbujuunh

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aad aldmud balliot-ffug

999 Solitory

Kithattud **Painted lady** 

flower běětle

Thick-legged

eyes էhat cover most of the head.

antennae, one pair of wings and large hort but hoverflies only have short Some hoverflies look like bees or

and Yoney bee

917990

LIJIOA

carpenter

of pollinators. Here are a few of them...

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## Take action now! one Planet©one Health©one Team

## what do pollinators do?

Hi, I am Mo, and today we

will find out about pollinators.

The Three Mosquiteers

learn about pollinators

Hi, I am Do. You can help us by becoming

a citizen scientist.



Hi, I'm Ski

putterfly

Yellow papnol)

noverfly Marmalade

otinbsom usramtips

planet would be very different. biofuels. Without pollinators, life on our that provide us with food, medicine, timber, biodiversity but also pollinate the plants people and nature. They are vital for maintaining Pollinators make very important contributions to



long-tailed bat



**Alien**CSI

Chubb

. ретween flowers). nəlloq pnivom) blıow pollination around the involved in the process of əre slemine Jnərəffib animals to help. Lots of <u>another but others need</u> pollen from one flower to ονοm οż άρυοης si bniw For some plants the

.enini)29b pollinators seem to be էիոէ էիе ոսmbers of insect שסרום גרש עפרא כסחכפרחפם People around the







## **Pollinators**

have been busy for a long time...







Ra (Sun God) and were worshipped as a source of eternal life.

The word for butterfly in formal Greek is psyche, thought to be 'the soul of the dead'.

A piece of jewellery from Ancient Crete, Greece showing two bees or two mammoth wasps.

In Ancient

Egypt, bees

Olmecs, Aztecs and Mayans in South and Central America thought cocoa was a gift from gods and more important than gold, they used cacao with every meal. Cocoa

plants rely on some small biting midges in order to be pollinated.



NOISD

Jammoth

## What's changing?

Pollinators need food (pollen and nectar), clean water and nesting sites. Nowadays they face many threats.

A large group of people from around the world worked together to report on pollinators and they found that changes to the way land is used and managed, including agricultural

practices and pesticide use. pollution, invasive alien species, pathogens and climate change are the main threats to pollinators.

Full report IPBES (2016). https://doi.org/10.5281/ zenodo.3402856









The pollination process

Pollinator





Forcipomyia midge © Christophe Quintin via Flicki (CC BY-NC 2.0)

Find out if there is a citizen science programme for pollinators near you or get involved by doing a Flower-Insect Timed Count.



Agricultural intensification

and herbicide

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