



Do you want to be a Citizen Scientist? *The Game*

Climate Change Edition

- Butterflies live in locations around the world. But these locations are overheating.
- Due to the heat and extreme weather conditions, some butterflies are moving to new areas.
- By studying their migratory patterns, we can learn more about climate change.
- Did you know? The butterfly "Vanessa" visits Cyprus more often due to the extreme weather conditions.



- Pollution can affect the planet's ability to cope with the effects of climate change.
- By 2025, if current trends persist, the amount of plastic entering the oceans is expected to increase to 70 million tonnes.
- Did you know? Approximately 900 tonnes of plastic enter the oceans every hour.

- Birds help maintain the balance in the natural cycle of nature and support healthier and more sustainable agriculture.
- However, many are migrating due to climate change, and their populations are declining.
- Did you know? Birds can reduce farmers' use of chemicals since they feed on rodents.





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The Game

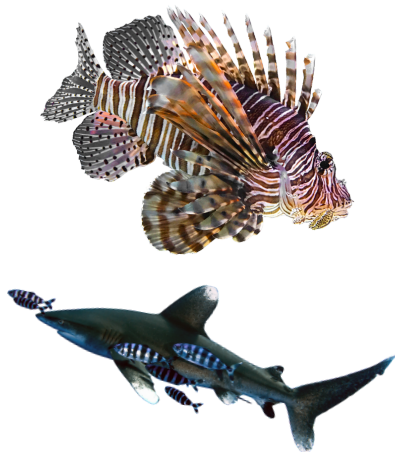
Climate Change Edition



- The effects of climate change are often perceived through the amount of rainfall, whether it is more intense and more frequent periods of drought or extreme flooding.
- At least five billion people are expected to have inadequate access to water by 2050.
- Did you know? Cyprus in a few years will be facing a serious problem of drought.



- Algae are of great importance to ecosystems. They help reduce waves and enhance fish growth.
- Growing seaweed and sinking it into the ocean's depths is a practice that has been used a lot in recent years.
- Did you know? There is not enough information available on the cultivation and growth of seaweed.



- Cartilaginous fish, such as sharks, are important because they help maintain the oceans' natural balance.
- However, the populations of these fish are declining due to overfishing.
- Lionfish have started to migrate to Cyprus from the Indian Ocean due to climate change. This migration threatens the ecosystem of Cyprus' waters.
- Did you know? Cyprus has 30 species of cartilaginous fish like sharks.



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Climate Change Edition

Climate change can make anyone feel powerless!

Citizen Science can allow us to participate in scientific research. We can observe, collect, categorise or analyse data. This makes science more democratic. Everyone can participate in climate change actions and the evidence-based research projects that can influence those actions.

Goals and Learning Objectives

In this game, you get to think like a citizen scientist and a participant in a citizen science project! You will learn about research activities and the ways you can participate in them. You can explore existing citizen science projects and learn about the European community of citizen scientists.

Game (A)

#1 Throw a dice and pick a card “What would you like to investigate?” from the board.

- You can use the poster with information on the association between climate change and the different topics on the cards to help you plan your research activities.

#2 Throw the dice again and pick a card from the pile “How are you going to investigate it?”.

What did you pick? Does this research method or participation type help you investigate your topic?

- If yes, BINGO! Tell us what you would like to do.
- If not, place the card back in the pile, wait your turn and try again.

#3 The players continue building their research activities on the same topic. The first person or team to complete their research/participation plan WINS!

#4 Do you think a project dealing with your chosen subject exists in the EU-citizen science community? Search and find it.

Game (B)

#1 Throw a dice and pick a card “*What would you like to investigate?*” from the board.

- You can use the poster with information on the association between climate change and the different topics on the cards to help you think of ways you can participate in a project.

#2 Become a Citizen Scientist! Use the drawing cards, stickers, colouring pens and material to draw yourself as a citizen scientist investigating your topic.

#3 Show off your work!

