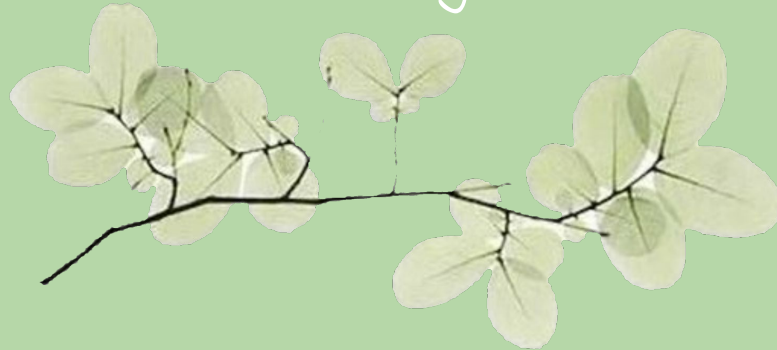




Ecology challenges global and local



Natalia Kozłowska
Julia Gródek
Ada Patczyńska





**Dofinansowane przez
Unię Europejską**



Materiał opracowany w związku z realizacją projektu
"Nowe drogi do naszego rozwoju"

2025-1-PL01-KA122-SCH-000326436

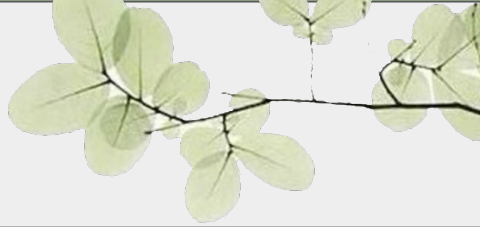


Zespół Szkół Ogólnokształcących nr 9
ul. Seniorów Lotnictwa 5, 31-455 Kraków





Introduction



ECOLOGY is a study focusing on living organisms, their interactions with each other and the environment. Its main responsibility is taking care of our planet.

As time passes, the challenge from ecology to save our planet gets harder and harder, but we mustn't give up. Losing the challenge brings us many problems. In order to face it strategically, let's analyze why it's so important and what are the ways to lead us to winning the challenge.

Importance of ecology



Biodiversity describes the variety of all living organisms and plants living in a certain ecosystem. They support each other, continuing the cycle of life.

Ruining a single chain can shaken the ecosystem, or ruin it if it's weaker.

Even a single ecosystem falling apart could result in difficulties in the world.

Contamination

water Pollution



11(+) tonnes of plastic every
year

Air pollution



kills 7-8 million people every year



Climate Change



Climate change describes the risk of the average temperature on Earth increasing. It's caused by the **greenhouse effect**.

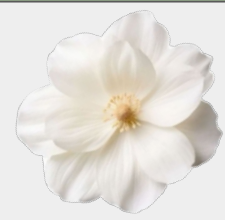
We can't eliminate it - it's the reason why there's life on Earth.

Greenhouse effect is a natural process of greenhouse gases (carbon dioxide, ozone, methane, nitrous oxide) absorbing heat radiated from the sun and leaving some of it on Earth, keeping it warm enough to support life.

However, we must limit it, so the average temperature on Earth **doesn't increase too much**.



How does the UK deal with it?



Climate Change Act

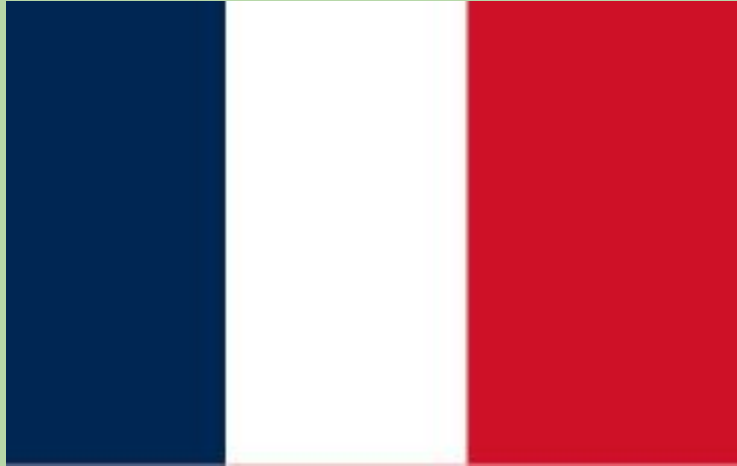


Climate Change Act 2008

The UK is planning to cut down greenhouse gases by 2050. Their plan is to remove as much gases as they produce. It's not only the matter of saving the planet, but also an opportunity to create new green jobs and clean energy.



How does France deal with it?



France passed many laws to reduce air pollution and joined the Climate and Clean Air Coalition.

How does Kraków deal with it?



Kraków

klimat.krakow.pl



ChrońMY
zielen



For years, Kraków has been acting to achieve climate neutrality in various sectors, like using **renewable energy**, saving energy or granting access to **public transport**



Kraków

Odnawialne
źródła energii
dla lepszej przyszłości

MAŁOPOLSKA
dla KLIMATU



NFOŚiGW

How does Kraków deal with it?



Kraków focused on investments related to environmental protection, such as constructing new eco waste incineration plant and modernizing the main combined heat and power plant

what can we do?

Considering the fact that almost every action we take increases the pool of greenhouse gases, we should take any means, like giving up air travel, adopting a new plant based diet, curbing consumer impulses.



what can we do?



Sorting trash seems simple but it really matters. Make sure it ends up in the right bin and most importantly, **DON'T** throw your trash on the sidewalks or on the grass.

BLUE - Paper

YELLOW - plastic

GREEN - Glass

BLACK - Mixed

BROWN - Bio



Conclusion

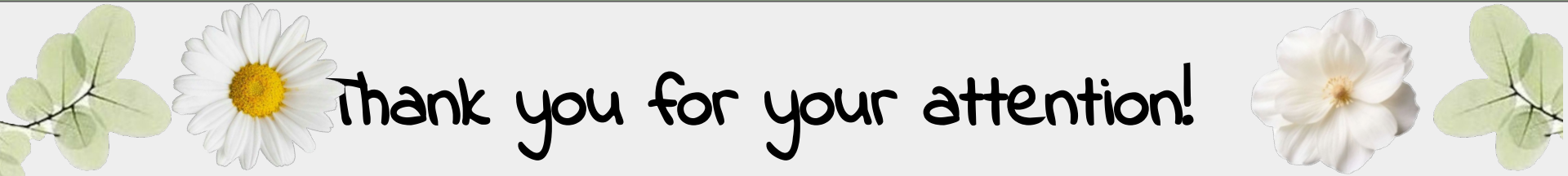


Unless someone like
you cares a whole
awful lot, Nothing is
going to get better.
It's not.

-- Dr. Seuss

The challenge ecology gives us is getting harder everyday. Climate change, and contamination are the punishments for losing it. However, we mustn't give up. We have strategies to fulfill it and so do our countries and cities.

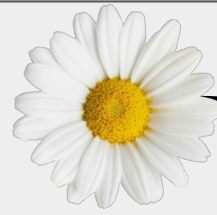
You have to remember that it will take a whole lot of people to limit the dangers. The more the merrier. The more individuals take action, the better for our future.



Thank you for your attention!

Sources:

- ❖ <https://esbud.pl/co-to-jest-ekologia-prosta-definicja-dla-dzieci-i-doroslych/#:~:text=Ekologia%20to%20szukanie%20powiazań%20między, środowisko%2C%20które%20jest%20naszym%20domem>.
- ❖ <https://aerisfuturo.pl/baza-wiedzy/globalne-ocieplenie-i-efekt-cieplarniany>
 - ❖ https://www.youtube.com/watch?v=GK_vRtHJZu4
 - ❖ https://en.wikipedia.org/wiki/Air_pollution
- ❖ <https://www.gov.uk/government/publications/net-zero-strategy/1-why-net-zero>
- ❖ https://krakow.pl/aktualnosci/291125,1912,komunikat,mpk_w_krakowie_kupuje_200_nowych_autobusow.html
 - ❖ my mom (Natalia's)



Thank you for your attention!



Co-Funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or the Foundation for the Development of the Education System (FRSE). Neither the European Union nor FRSE can be held responsible for them.