

The background features abstract, overlapping geometric shapes in various shades of green, ranging from light lime to dark forest green. The shapes are primarily triangles and polygons, creating a dynamic, layered effect. The text is centered in a white space between these green elements.

# EDUCATION AND CLIMATE CHANGE

# We Can Save Our Planet

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# O nama . . .

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- ▶ eTwinning school 2020/2021
- ▶ UNESCO ASPNet - member school

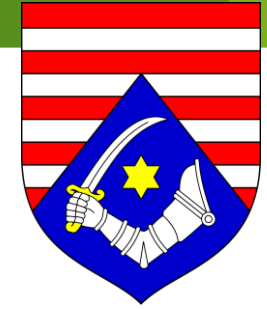


- ▶ Branko Rumenović
    - mag.oec. i univ.spec.oec.
    - economics teacher
    - teacher mentor
    - moderator of eTwinning group
- Statistician at Schools





CROATIA

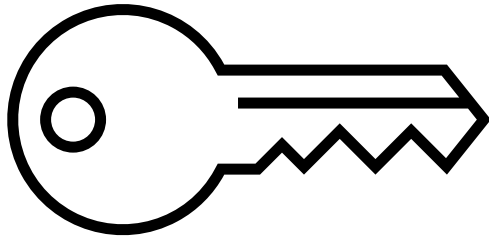






# We Can Save Our Planet

- ▶ Planet Earth - 2021- What is the situation?
- ▶ Modern society - challenges of technology development and globalization - rapid change is needed
- ▶ Climate change - biggest challenge



education

# EU Policy

- ▶ European Commission develop policy about Climate action.

[https://ec.europa.eu/info/policies/climate-action\\_en](https://ec.europa.eu/info/policies/climate-action_en)

## Greenhouse gas emission reduction

The EU has set itself targets for reducing its greenhouse gas emissions progressively up to 2050.

## International climate action

The EU supports the UN's efforts on a new climate agreement and gives substantial funding to developing countries facing the effects of climate change.

## Transport emissions

EU policies and laws help reduce greenhouse gas emissions from transport, for example by setting emission limits for cars and vans.

## Low carbon technologies

The EU promotes the development of low carbon technologies and makes sure that they are deployed safely and that risks are properly managed.

## Ozone layer

Under EU legislation, ozone-depleting substances have been phased out and replaced with climate-friendly alternatives.

## Renewable energy

The EU coordinates work to reach national targets in line with the renewable energy directive. It also promotes alternative energy use in transport.

## Emissions trading

The EU emissions trading system (ETS) helps reduce greenhouse gas emissions from power stations, industrial plants and flights within the EU.

## Adapting to climate change

The EU promotes action to help countries and regions deal with the current and future impacts of a changing climate.

## Forest and agriculture emissions

Forests and agricultural lands play an important role in climate change at EU and global level.

## Fluorinated greenhouse gases

EU legislation will cut the EU's emissions of fluorinated greenhouse gases by two-thirds by 2030 compared with 2014 levels.

## Energy efficiency

EU rules on buildings, industry, consumer products and transport are helping the EU to meet its energy-efficiency targets and move to a low-carbon society.

## Energy, Climate change, Environment

- ▶ EU policy protects the environment and seeks to minimise risks to climate, human health and biodiversity. The European Green Deal aims to make Europe the world's first climate-neutral continent, in part by developing cleaner sources of energy and green technologies.

- ▶ [https://ec.europa.eu/info/energy-climate-change-environment\\_en](https://ec.europa.eu/info/energy-climate-change-environment_en)

### Events

Participate and get involved in upcoming events on energy, climate change and environment.

### News

Follow the latest news on energy, climate change and environment.

### Topics

Agriculture  
Air  
Chemicals  
Circular economy  
Cities  
Climate change  
Energy  
Industry  
Land and soil  
Marine and coastal environment  
Nature and biodiversity  
Noise  
Research and innovation  
Transport  
Waste  
Water

#### A European Green Deal

Clean energy  
Sustainable industry  
Building and renovating  
Sustainable mobility  
Biodiversity  
From Farm to Fork  
Eliminating pollution  
Climate action

#### International cooperation

Energy  
Climate change  
Environment

#### Overall targets and reporting

2020 targets  
2030 targets  
2050 targets  
EU contribution to international goals

#### Standards, tools and labels

Products - labelling rules and requirements  
Assessment of environmental impact  
Environmental performance management and certification

#### Implementation in EU countries

Energy and climate governance and reporting  
Monitoring implementation progress  
Infringements  
Rules for monitoring and reporting  
Environmental liability  
Criminal sanctions for environmental offences

#### Practical advice

Energy  
Food  
Home improvement  
Household products  
Transport  
Waste  
Water  
Ecolabel products and services  
Energy efficient products



# Survey on climate education - Results

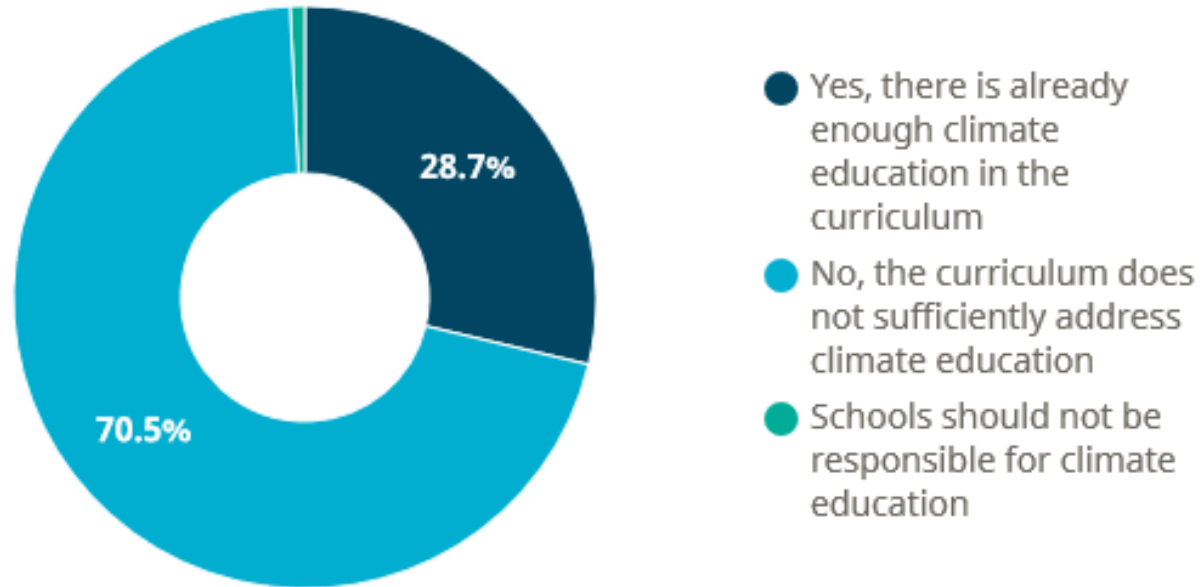
<https://www.schooleducationgateway.eu/en/pub/viewpoints/surveys/survey-on-climate-education.htm>

**SchoolEducationGateway**

Europe's online platform for school education

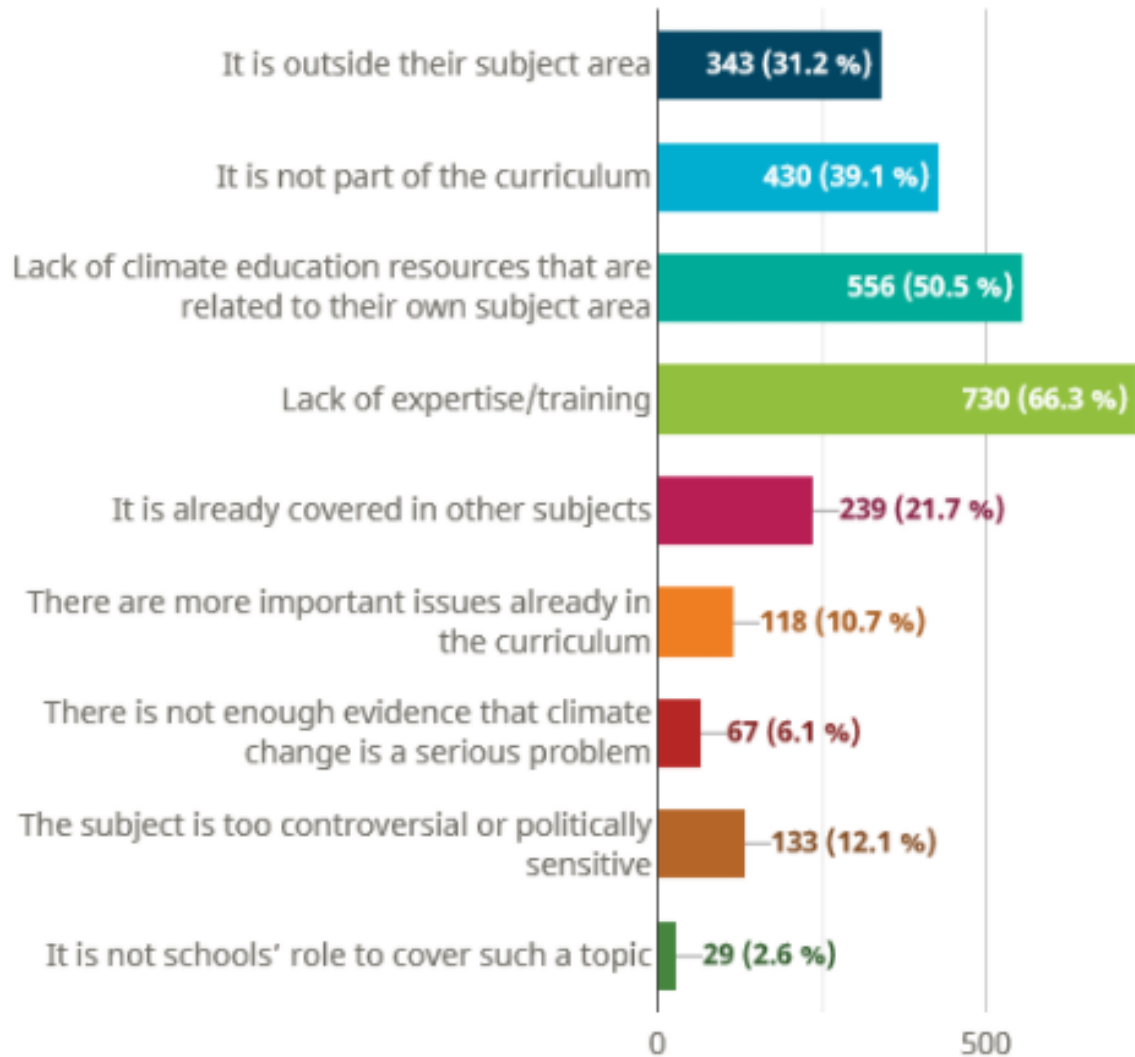
## Results (N=1101)

### 1. In your opinion, are schools in your region equipping students with the knowledge and skills to understand climate change and take appropriate action in their own lives?

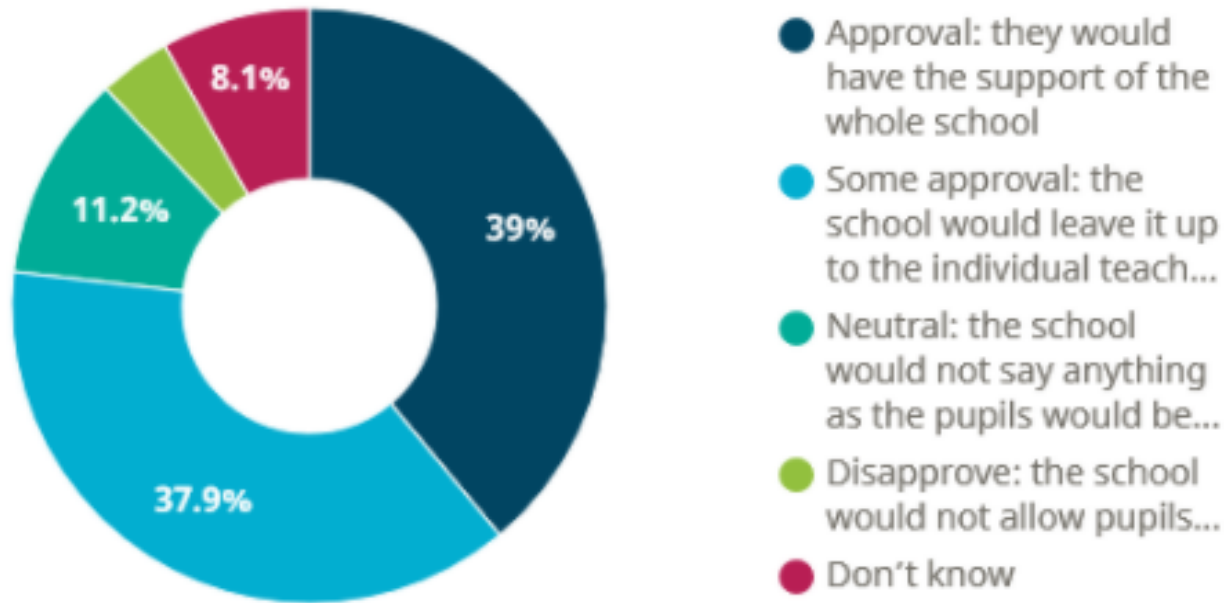


Almost all respondents agreed that climate education is a school's responsibility. However, 70% agreed that the curriculum does not sufficiently address climate education, and only 29% felt that climate education is already sufficiently covered in the school curriculum.

## 2. In your opinion, what are the main reasons why teachers in your school or region might not include climate education in their lessons? Choose all that apply.



### 3. Thinking of your school, or a school you know, what would be its reaction to pupils taking climate change into their own hands (e.g. ad hoc meetings, social media campaigns, direct action, climate strikes)?



A large share of respondents said their school would provide support for pupils actively engaging in climate change campaigns (39%), or reported that the school would leave it up to the teacher to decide what position to take (38%). Other respondents (11%) claimed that the school would remain neutral. Fewer than 4% thought their school would disapprove of pupils' organising actions such as awareness-raising campaigns and marches.



# SUSTAINABLE DEVELOPMENT GOALS

**1** NO POVERTY

**2** ZERO HUNGER

**3** GOOD HEALTH AND WELL-BEING

**4** QUALITY EDUCATION

**5** GENDER EQUALITY

**6** CLEAN WATER AND SANITATION

**7** AFFORDABLE AND CLEAN ENERGY

**8** DECENT WORK AND ECONOMIC GROWTH

**9** INDUSTRY, INNOVATION AND INFRASTRUCTURE

**10** REDUCED INEQUALITIES

**11** SUSTAINABLE CITIES AND COMMUNITIES

**12** RESPONSIBLE CONSUMPTION AND PRODUCTION

**13** CLIMATE ACTION

**14** LIFE BELOW WATER

**15** LIFE ON LAND

**16** PEACE, JUSTICE AND STRONG INSTITUTIONS

**17** PARTNERSHIPS FOR THE GOALS

  
SUSTAINABLE DEVELOPMENT GOALS



# Learning for the future: The Competencies in Education for Sustainable Development

- ▶ learning to know
- ▶ learning to do
- ▶ learning to live - work together
- ▶ learning to be



Project  
example:



CLIMATE ACTION PROJECT UPDATES  
AUG 2020



CLIMATE  
ACTION  
PROJECT  
2020.

## Week 1



Exploration  
Causes

What is causing  
Climate  
Change?  
How would  
you define  
it?

## Week 2



Effects

What are  
the effects  
of Climate  
Change?  
Launch  
#plantED  
initiative

## Week 3



Local to  
Global

What are  
causes and  
effects  
locally and  
globally?  
Connecting  
with  
students in  
other  
continents.

## Week 4



Solutions

What are  
potential  
solutions?  
Students try  
to create  
prototypes  
Start  
#7point5  
initiative

## Week 5



Inter-act!

Students  
exchange  
findings  
during live  
interactions  
Webinars by  
Experts.  
Start  
#Mission2M  
ars initiative  
- be  
surprised!

## Week 6



Action!

Students  
take action  
and bring  
change at  
school,  
home,  
community,  
government



Utjecaj  
klimatskih  
promjena na  
ekonomiju



The impact of  
climate change  
on the economy

Očuvajmo našu zemlju!



453 mlrd. EUR gubitka u EU  
zbog posljedica klimatskih promjena  
Pogođeni sektori zbog promjena:  
poljoprivreda, šumarstvo, energetika  
i turizam

# CLIMATE CHANGE



Billion-dollar weather disasters fueled  
by climate change are becoming more  
frequent and more devastating to  
state and local economies

Made with PosterMyWall.com

## CLIMATE CHANGE



WE HAVE A SINGLE MISSION:  
TO PROTECT AND HAND ON  
THE PLANET TO THE NEXT  
GENERATION

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## ČUVAJMO OKOLIS ZA BOLJU BUDUĆNOST!

Mother  
EARTH DAY

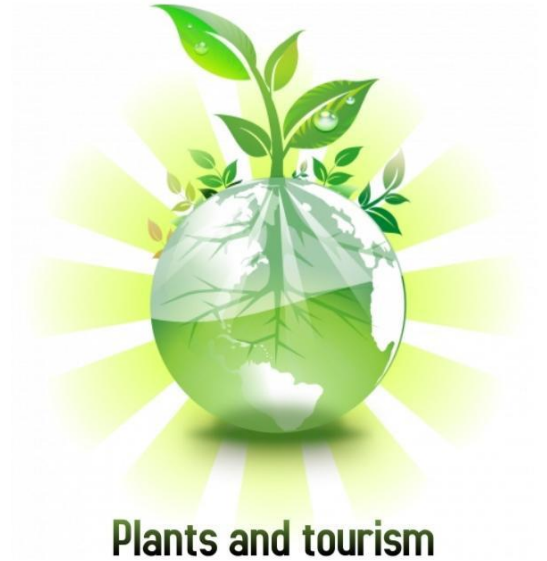


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# Climate Change

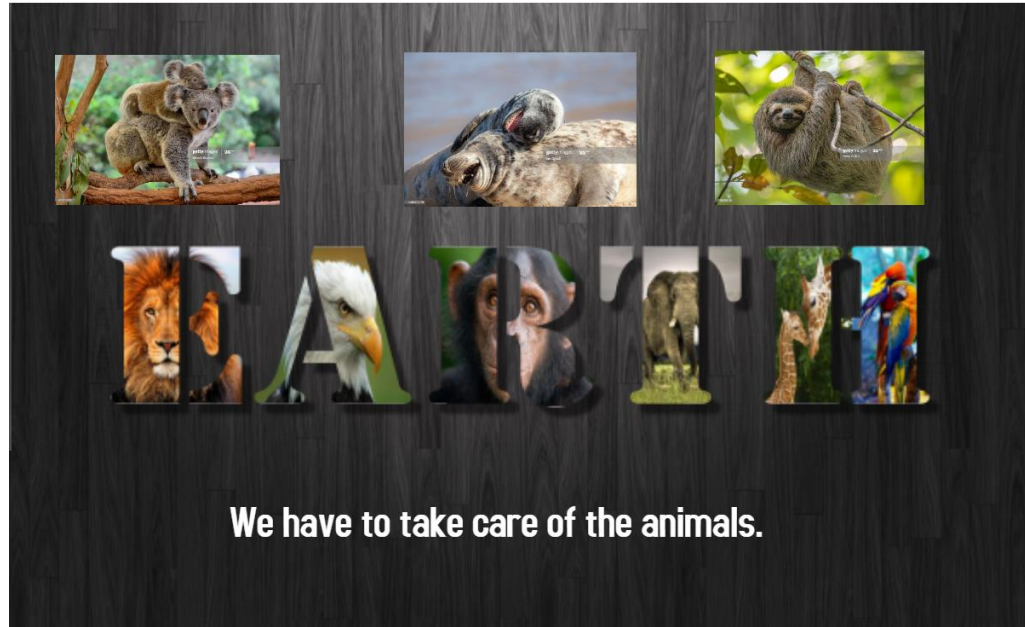
- effects of Climate Change:
  1. Flora (plants)
  2. Fauna (animals)
  3. Weather patterns
  4. Human activity and lifestyle
- students work: posters



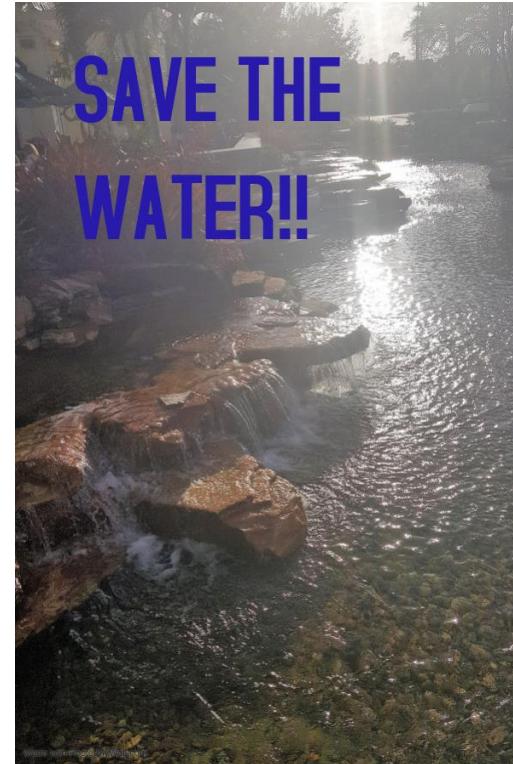


## Effects of Climate Change:

1. Flora (plants)

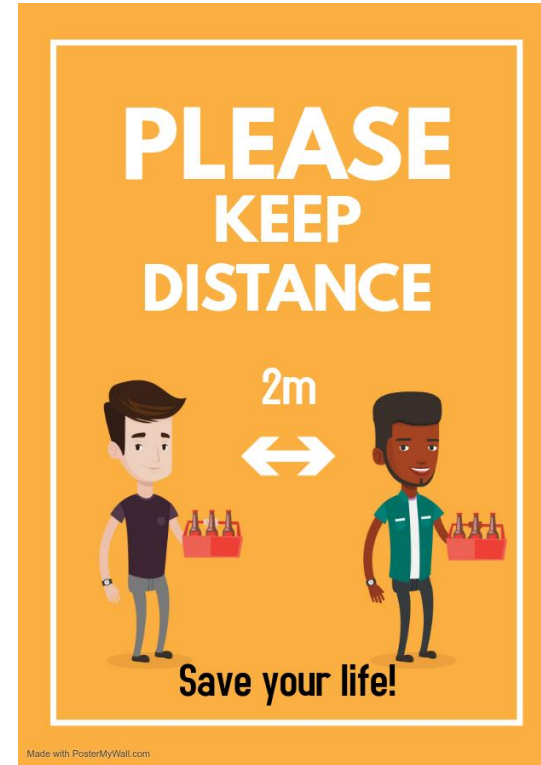
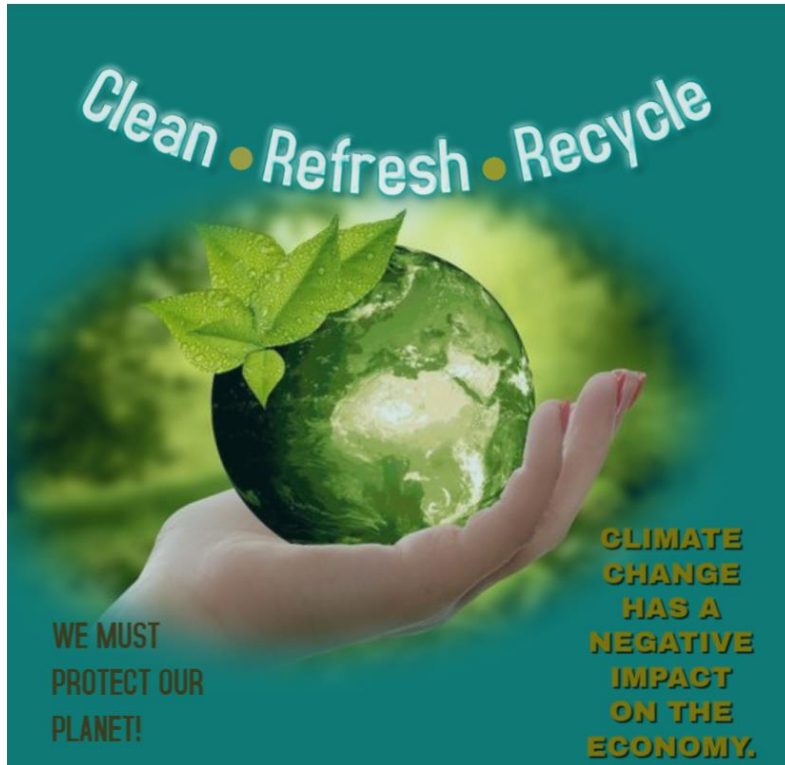


## Effects of Climate Change: 2. Fauna (animals)



## Effects of Climate Change: 3. Weather patterns





## Effects of Climate Change: 4. Human activity and lifestyle





Students work:  
- school business  
company History Cro  
Style d.o.o. plant a  
tree



SINCE  2019.  
**HISTORY CRO STYLE d.o.o.**



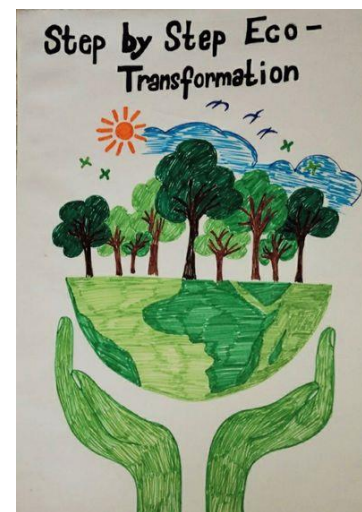






# eTwinning - education - climate change

- ▶ **Breathe deeply & Think clearly** – Turkey, Georgia, Portugal, Croatia
- ▶ **eTwinningreen4u** – Spain, Croatia, Italy, Portugal, Turkey, Lithuania, North Macedonia
- ▶ **Global Climate Crisis in Your Classroom** – Croatia, Italy, Jordan, Latvia, Turkey, Romania, Republic of Moldavia
- ▶ **Step by Step Eco Transformation** – Albania, Croatia, France, Italy, Jordan, North Macedonia, Portugal, Republic of Moldavia, Romania, Turkey
- ▶ **This is My Project** – Albania, Azerbaijan, Croatia, Georgia, Italy, Lithuania, North Macedonia, Poland, Portugal, Republic of Moldavia, Romania, Spain, Turkey

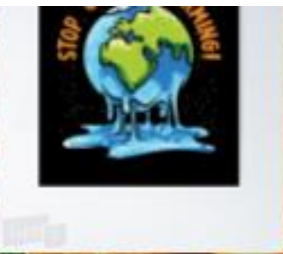
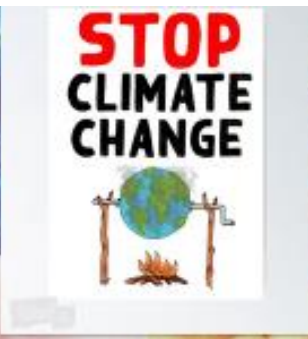


## Students work:

- How climate change affects on tourism?
- How climate change affects on banking?
- How climate change affects on economy?
- How climate change affects on statistics?









peace, do the right thing and want little.



There is a great teacher, if we understand him: it is nature.

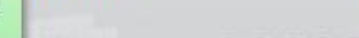
Earth provides enough to satigy every man's needs but not every man's greed



I wish there was no garbage on Earth, but a lot of flowers.



Still trying to save the world?"  
"Always," I said, "and in case you haven't noticed, it's working. The world is still here.



**DON'T KEEP CALM AND LET'S SAVE OUR PLANET**

Protect Nature and Nature will protect you



Save the planet don't throw garbage



There is no plan(et) B.



Planet Earth doesn't just belong to you, so spare it from the garbage.



"Let nature teach us about its work, because it always goes the shortest and fastest way."



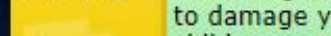
This planet is our one and only home. We have no other choice - we must care for it.



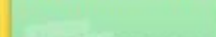
Together we can save the planet!



Earth is the God's best gift to us, We made it worse. Let's care for it, save the green, fight global worming!



Nature is nothing but an enigmatic song.



Earth laughs in flowers!



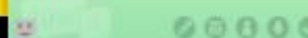
Humans are only creatures on Earth that will cut down a tree, turn it into paper then write "SAVE THE TREES" on it



Mother earth is a living organisam too. Love, honor and respect her



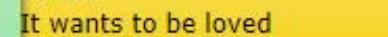
To damage the earth is to damage your children.



„Plans to protect air and water, wilderness and wildlife are in fact plans to protect man.”



The world doesn't want to be saved.



It wants to be loved

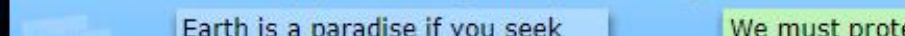
Saving Earth is a challenge and you can win this challenge with your dedication and hard work.... Happy Earth Day to students.



Love your planet!



Earth has always been a generous mother. She has always provided us with food, shelter and happiness. Let us return her favor by preserving and protecting her.



Earth is a paradise if you seek peace, do the right thing and want little



We must protect our planet. It's our only home and provider



Let's recycle waste to make Mother Earth breathe easier!



The Earth is what we all have in common.



# POTENTIAL SOLUTIONS? Climate change prevention

- ▶ Renewable energies
- ▶ Sustainable transportation
- ▶ Air pollution prevention
- ▶ Waste Management & Recycling
- ▶ Sea and Ocean preservation
- ▶ Circular economy



LET'S SAVE  
THE EARTH!