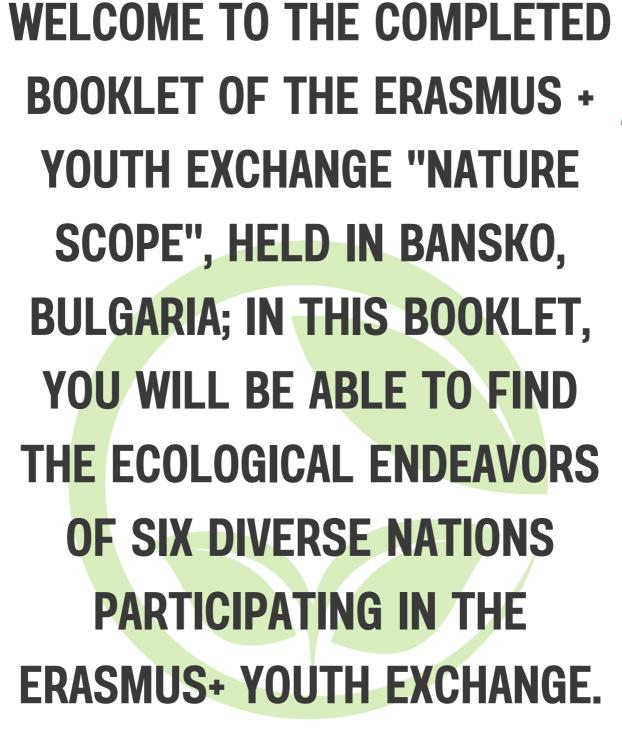
YE "NATURE SCOPE" ENVIRONMENTAL BOOKET





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In the following pages, we are able to find out 10 environmental problems faced by each country, shedding light on their proactive efforts towards a sustainable future. This Booklet encapsulates not only the identification and elucidation of 10 ecological issues but also explores the initiatives undertaken by state and private companies within each country to contribute to the objectives outlined in the European Green Deal.

Additionally, the collaborative spirit of the participating nations extends to proposing innovative solutions for the environmental challenges faced by their counterparts in the exchange. Join us on this journey as we navigate through our shared commitment to environmental awareness and action.



DISCLAIMER

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FOREST DESTRUCTION

FACTORS SUCH AS EXCESSIVE CUTTING OF FORESTS, DEFORESTATION AND FIRES THREATEN FOREST ECOSYSTEMS.

TREES, WHICH ARE THE RAW MATERIALS OF FURNITURE PRODUCET AND EXPORTED IN TURKEY EVERY DAY, ARE CONSUMED TOO FAST TO BE RECORDED IN 50 YEARS



WATER POLLUTION IN TURKEY



 42%OF HOUSEHOLDS IN TURKEY CAN NOT ACCESS SAFE DRINKING AND POTABLE WATER

DATA COLLECTED FROM 81 PROVINCES REVEAL THAT WATER POLLUTION IS THE BIGGEST PROBLEM IN 30 PROVINCES IN TURKIYE

• THE DRYING UP OF LAKE SALDA IN TURKIYE IS ONE OF THE BIGGEST EXAMPLES OF THIS

• AND SINCE IT DIDN'T RAIN ALL SUMMER IN ISTANBUL, WE HAD 60 DAYS OF WATER LEFT.



TRAFFIC PROBLEMS



THE REASON FOR THE TRAFFIC PROBLEMS IS DUE TO THE INCREASE IN THE NUMBER OF THE INDUSTRULUZATIONAND AND INCREASING TRANSPORTATION THE USE OF IN THE INDIVIDUAL WHICH IS MORE THAN PUBLIC TRANSPORTATION CONSTITUTES THE BASES OF THESE PROBLEM.



RECYCLING PROBLEM



- WHILE MANY COUNTRIES APPLY OWN RULES TO ENCOURAGE THE SEPARATION OF CARBAGE AT HOME, THEIR RECYCLING RATE IN TURKEY IS ONLY 30 PERCENT
- THE AMOUNT OF SOLID WASTE GENERATED IN TURKEY DUE TO POPULATION GROWTH AND EXCESSIVE CONSUMPTION REACHES APPROXIMATELY 32 MILLION TONS ANNUALLY TO RECYCLING RATE IS AROUND 30 PERCENT
- THE ORGANISATION OF THE FACILITIES, WHICH ARE ALREADY FEW NUMBER ARE NOT SUFFICIENT AND STRONG
- THESE USES WASTE ENERGY LOST AND PREVENT THE ECONOMICAL USE OF NATURAL RESOURCES.



I AM FROM TURKEY, WHICH IS A DEVELOPING COUNTRY.

AS YOU GUYS KNOW, WORD OF DEVELOPMENT IS NOT ONLY MEAN GROW ON SOMETHING BUT ALSO MEANS CREATING SOMETHING NEW, AND THIS, FOR EXAMPLE, LEADS TO FABRICATION LEADS TO WATER POLLUTION, AND AIR POLLUTION.



SOLVING ECOLOGICAL PROBLEMS FOR: SERBIA





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Ecological Problems in Serbia

1.Energy transation company BFP Energy

2.Biodiversity company are Anadolu Agency and Ministry of Agriculture and Forestry

3.Sustainable transport BATI Group

4:Just transition SHMF LTD. ŞTİ

- 5. Innovation and research TUBITAK
- **6.Plastic reduction CEVKO**

7.Cırcular economy BCSD



Ecological Problems in Serbia AİR POLLUTION, WATER POLLUTION DEFORESTATION, LOSS OF BIODİVERSITY, ILLEGAL HUNTING, SOIL EROİSON: In relation to these problems, the only

one in our country. Anadolu Agency

We can combat air and water pollution by rigorously enforcing environmental protection laws to control industrial waste and promoting energy efficiency measures.

Strengthening and Enforcing Legal Frameworks: To combat illegal poaching and deforestation, it is essential to strengthen the legal framework. This may involve imposing stricter penalties and sanctions.

Ecological Problems in Serbia

Community Engagement and Raising Awareness:

Local communities can play a significant role in combating deforestation and illegal poaching. Encouraging community involvement in preventing these issues can lead to more effective results.

To solve the waste management problem, stricter waste regulations and incentives for recycling need to be developed. Additionally, raising public awareness and promoting sustainable waste management practices are essential.



biggest environmental promblems in **Czech Republic**







6. biodiversity decrease

7. land contamination

8. national parks conservation



circular economy

Restap CZ s.r.o. (recycling plastic)

sustainable transport

Bratislava Council (we are starting to use hydrogen busses)

energy transition

Švihaj Šuhaj/Wolt (cycling delivery) **plastic reduction**

refoundable cans and bottles

(Slovakia helps (and maybe in future Czechia too) back up bottles and return them to stores)



innovation and research Center of Passive house

(supports and offers sustainable building solutions)

climate neutrality

Sázíme stromy

(a company that takes care of renovating forests and planting new trees)



SOLVING ECOLOGICAL PROBLEMS FOR:



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Solutions for North Macedonia



1.deforestation Sázíme strom objective: planting trees

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2. traffic polllution Švihaj Šuhaj objective:delivery by bike





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ROMANIA

Biggest ecological problems

1. Emissions of greenhouse gases 2. Deforestation 3. Water pollution caused by industries

4. Illegal hunting 5. Throwing garbage in green spaces and streets



6.Burning household garbage 7.Mixing up recycled trash by sanitation companies 8.Soil treatment with pesticides and insecticides

9.Lack of ecological education in schools 10.Lack of cleaning up initiatives



Companies that contribute to the European Green Deal

1. Climate Neutrality

- Electrica
- Nuclearelectrica
- CarbonExpert

2. Energy Transition

- Deloitte
- E3M
- Electrica



3.Biodiversity

• WWF

• International Union for Conservation of Nature

4. Sustainable Transport

• CTP

• OMV





5. Renovation Wave • S.C. ACME Construction and Assembly SRL

6. Just Transition

• ENEL X

- GREEN HOUSE
- ELECTRO-SERVICE DISTRIBUTION SRL



7. Innovation and Research

- ROMGAZ
- Association of Green Energy Producers



9. Plastin Reduction

- Khaufland
- R.E.R. Buzau

10. Circular Economy

- Stratos
- Gouvernment Decision: National Strategy regarding circular economy, 27 sept. 2022



SOLVING ECOLOGICAL PROBLEMS FOR: BULGARIA







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In order to help reducing some major problems that Bulgaria is facing, we propose a few good practices currently working in Romania.

Water pollution: Dorna
 brand has implemented
 Litter Traps in two rivers
 that collect all the trash
 and clean them up.

This can be transfered to Bulgaria as well.



Deforestation:

Auchan supermarket planted 10,000 trees within the "Future plus" project. The supermarket sold a plush toy, called "Titi the forester" made of recycled materials, the money obtained was used entirely for the afforestation of some areas in Romania.

> This can also be transfered to Bulgaria as well.



THE TEN BIGGEST ENVIRONMENTAL PROBLEMS IN BULGARIA



1. AIR POLLUTION: INDUSTRIAL AREAS AND THE LARGE NUMBER OF CARS IN THE REGION CONTRIBUTE TO AIR POLLUTION WITH HARMFUL SUBSTANCES.

2. WATER POLLUTION: SOME RIVERS AND DAMS ARE POLLUTED WITH WASTE AND CHEMICALS WHICH HARMS THE ANIMALS AND PLANTS IN THEM.

3. IRRATIONAL USE OF NATURAL RESOURCES" MEANS THAT NATURAL RESOURCES ARE EXTRACTED AND CONSUMED IN A WAY THAT IS NOT SUSTAINABLE AND DAMAGES THE ENVIRONMENT.

4. DEFORESTATION: WHOLE FORESTS ARE CUT DOWN. MASS DEFORSTATION IS PARTICULARY CHARACTERISTIC OF THE TROPCS.THERE TREES ARE REMOVED TO FREE UP LAND FOR SOYBEAN OR PALM PLANTATIONS OR FOR OTHER AGRICULTURAL MONOCULTURES.



5. SOIL DEGRADATION: OVERGRAZING MONOCULTURES ,EXCESSIVE EXPOSURE TO POLLUTANTS ,AND LAND-USE CONERSION ARE JUST SOME OF THE WAYS IN WHICH SOIL IS DAMAGED.



7. SOIL POLLUTION AND EROSION" REPRESENT SERIOUS ENVIRONMENTAL CHALLENGES IN BULGARIA. CONTAMINATION OF SOILS WITH CHEMICALS AND HEAVY METALS CAN REDUCE THEIR FERTILITY AND HARM PLANT HEALTH.



8. THE STREETS ARE FULL OF TRASH: THE STREETS ARE NOT CLEAN AND THERE IS TRASH EVERYWHERE



9. HUNTING AND POACHING: ILLEGAL HUNTING AND POACHING OF GAME HARMS NATURAL POPULATIONS AND LEADS TO THE EXTINCTION OF CERTAIN SPECIES



10. <u>STRAY CATS AND DOGS</u> IN BULGARIA REPRESENT A SERIOUS ENVIRONMENTAL PROBLEM THAT REQUIRES COOPERATION BETWEEN PUBLIC ORGANIZATIONS AND CITIZENS TO REDUCE THEIR NEGATIVE EFFECT ON THE ENVIRONMENT.



7 GOOD PRACTICES AND ORGANIZATIONS IN BULGARIA



<u>1. *BULGARIAN ECOLOGICAL CENTER (BEC)*: THIS</u> <u>IS A NON-GOVERNMENTAL ORGANIZATION THAT</u> <u>FIGHTS FOR THE PROTECTION OF NATURE AND</u> <u>THE ENVIRONMENT IN BULGARIA.</u>

2. *FOR THE EARTH*: THIS IS AN INITIATIVE THAT FOCUSES ON CLEANING UP NATURE AND COLLECTING WASTE.



3. *TOGETHER FOR NATURE*: THIS ORGANIZATION STRIVES TO PRESERVE AND RESTORE BULGARIAN ECOSYSTEMS AND BIODIVERSITY.



<u>4. "SAVE THE DANUBE"* - AN</u> <u>INITIATIVE TO MAINTAIN THE</u> <u>CLEANLINESS OF THE</u> <u>DANUBE RIVER AND THE</u> <u>PROTECTION OF BIOLOGICAL</u> <u>DIVERSITY IN THE RIVER.</u>



<u>5. "BEE PROTECTION" - AN INITIATIVE AIMED AT</u> THE PROTECTION OF BEES AND BEE COLONIES.

6. "MOUNTAIN ECOLOGY" - WORK FOR THE PRESERVATION OF THE BULGARIAN MOUNTAIN REGIONS AND WILD NATURE.

7. "FOR CLEANER SEAS" - A CAMPAIGN TO FIGHT POLLUTION OF THE SEAS AND THE SHORES OF THE BLACK SEA.



SOLVING ECOLOGICAL PROBLEMS FOR: TURKEY



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Erasmus + Youth Exchange

• 1. ''LET'S BREATHE CLEAN AIR" CAN BE AIMED AT HELPING AIR POLLUTION IN TURKEY

2. "GREEN FUND" PROMOTES EXCHANGE OF KNOWLEDGE AND EXPERIENCE BETWEEN BULGARIA AND TURKEY IN THE FIELD OF WASTE MANAGEMENT AND ENVIRONMENTAL PROTECTION. COOPERATION BETWEEN THE TWO COUNTRIES CAN LEAD TO VALUABLE SOLUTIONS AND INNOVATIONS.





ENVIRONMENTAL PROBLEMS IN NORTH MACEDONIA

- Polluted air: High levels of air pollution, especially in urban areas, due to industrial emissions, vehicle exhaust, and the use of solid fuels for heating.
- The streets are full of trash: the streets are not clean and there's trash in every corner.
- Water Pollution: Contamination of rivers, lakes, and groundwater from industrial waste, agricultural runoff, and inadequate wastewater treatment.
- Climate change: Increasing temperatures, changing rainfall patterns, and extreme weather events impacting ecosystems, agriculture, and water resources.
- Deforestation: The loss of forested areas due to illegal logging, land conversion, and unsustainable forestry practices.
- Pollution from the industry: Many industries spill harmful chemicals and wastes into the environment.

Traffic pollution: transporters and drivers of old vehicles cause increased emissions of harmful gases.

 Polluted soil: Soil erosion, loss of fertility, and degradation caused by unsustainable agricultural practices and deforestation.

Environmental awareness: Limited public awareness and education about environmental issues, resulting in a lack of sustainable practices and conservation efforts.

Urbanization and land use change: Unplanned urbanization, infrastructure development, and land conversion affecting natural habitats and ecosystems.



Climate neutrality

Solar Macedonia - North Macedonian association for solar energy, "Solar Macedonia" is a , scientifically, educational and non-governmental association whose focus is strengthening cooperation between North Macedonian companies in the solar energy sector (producers, contractors, importers, traders), and connecting experts and scientists of all branches to promote renewable energy.

Energy transition

MEPSO Electricity Transmission System Operator of North Macedonia) is a stateowned <u>transmission system operator</u> company for electricity with headquarters in <u>Skopje</u>, <u>North Macedonia</u>.

Inonvation and research

The PROANALIZ laboratory in the Republic of North Macedonia is accredited for the analysis of food, water and soil by the North Macedonian Accreditation Body (IARM) under ISO 17025 laboratory accreditation.

Biodiversity

North Macedonian Ecological Society (MES), which focuses on research, education, and conservation efforts. They collaborate with local communities, government agencies, and international partners to promote sustainable practices and protect the country's natural resources.

Sustainable transport

Chariot Motors -The Chariot Motors Company have ongoing projects in several European countries including North Macedonia and Israel and more than 280 electric buses in operation or production. Our products feature top quality, energy efficiency, and passenger comfort in urban transportation.

Plastic reduction

PAKOMAK is a nonprofit company,whose main activity is management of packaging waste. According to the new Law on management of packaging and packaging waste, since January 10, 2011 Pakomak is the first company in North Macedonia, licensed by the Ministry of environment for selection and processing of packaging waste.



SOLVING ECOLOGICAL PROBLEMS FOR: ROMANIA



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Erasmus + Youth Exchange

SOLUTIONS FOR ROMANIA

1.Solving the problem for Throwing garbage in green spaces: The Macedonian company "PAKOMAK" because its main activity is is management of packaging waste.

2. Solving the problem for Emission of greenhouse gases: The company "Charlot Motors" has many electric buses projects which can help stop imitation of harmful gases in the nature.



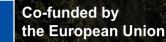
environmental problems in SERBBIA





TOP O PROBLEMS







GOOD PRACTICES

#] **BIODIVERSITY** ELIXIR GROUP – SUSTAINABLE AGRICULTURE PRACTICES NECTAR GROUP – BEEKEEPING AND PROTECTING POLLINATORS

#2 CLIMATE NEUTRALITY MK GROUP --IMPLEMENTING RENEWABLE ENERGY TIGAR TIRES -- REDUCES CARBON EMISSION IN MANIFACTURING

#3 PLASTIC REDUCTION DONCAFE AND NECTAR- REDUCES USE OF PLASTIC AND RECYCLE WASTE

#4 CIRCULAR ECONOMY HEMOFARM - RECYCLING AND REUSING MATERIALS IN MANUFACTURING

#5 ENERGY TRANSITION MK GROUP - USING RENEWABLE ENERGY NIS PETROL - DIVERCIFICATION OF THE ENERGY RECOURCES

#6 SUSTAINABLE TRANSPORT

E-PRIME - ELECTRIC BIKES

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SOLVING ECOLOGICAL PROBLEMS FOR: CZECHIA



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SERBIA HELPING CZECH REPUBLIC



AIR POLUTION TIGAR TIRE AIR CARE



DEFORSTATION

POTPIŠI-PRODIŠI



LAND CONTAMINATION ELIXIR GROUP