

Puzzle 1 – Teacher's overview



Title on sheet for students:

- No title (Map of the EU)

Icon in the upper right corner to help teachers identify the right sheet/s:

The EU's yellow stars

Hint in the game:

Hint given by the moderator at the start of the game: What does the EU look like?

Content:

EU geography

Format:

A map of the EU turned into a puzzle. Once laid correctly, the page can be turned over and will show a QR code that leads the students to a google forms website where they will get the hints for all the other puzzles in the game. They will need a smartphone to scan the QR-code.

Solution:

A correctly laid puzzle will give the students access to a QR-code. If, for some reasons, there are issues with the QR-code, the teachers can verify that a given group of students have laid the puzzle correctly and let them scan the following QR-code (or give them this link: <https://forms.gle/Cz1wdAigbP5hp4xTA>)



Hints you can consider giving the students to help them:

1. What could the sentence 'What does the EU look like' refer to?
2. It has something to do with geography
3. There is an element in the puzzle that you can scan
4. Showing the students the correct sheet
5. **Last resort:** Helping the students solve the puzzle/give them the solution

Puzzle 2 – Teacher's overview



Title on sheets for students:

- The European Green Deal
- The European Green Deal fact sheet

Icon in the upper right corner to help teachers identify the right sheet/s: A green leaf

Hint in the game: It has something to do with some kind of deal

Content: Info and facts about the European Green Deal

Format: A word puzzle based on questions about the European Green Deal. The students get information about the European Green Deal through a video (access by QR-code or via this link if the QR-code does not work) and a fact sheet. They answer the questions based on this information and then fill out the word puzzle with the correct words. The students will then combine the letters marked with the numbers 1 – 8. The correct combination of letters forms a word which is the code the students need to enter into the escape room form to unlock the next puzzle.

Solution: A correctly filled out word puzzle gives the students the following code for the escape room form to unlock the next puzzle (see below): **superfit (all letters must be written in lower case).**

Overview of correct answers for the word puzzle

No.	Question	Correct answer
1	According to the European Green Deal, by which year should the EU be climate neutral? • By two thousand and _____ ?	Fifty
2	By which year should the EU's GHG emissions be reduced by 55%? • By two thousand and _____ ?	Thirty
3	Which European law was passed in 2021? • The European _____ Law	Climate
4	By 2030, 42.5% of the energy consumed at EU level must come from what? • _____ energy sources	Renewable
5	What is the aim of The Energy Efficiency Directive? • _____ energy consumption	Reducing
6	The sale of which types of cars will be banned in the EU from 2035? • Petro and _____ cars	Diesel
7	What does the Carbon Border Adjustment mechanism seek to prevent? • Carbon _____	Leakage
8	What is the abbreviation for the European Common Agricultural Policy?	CAP

Hints you can consider giving the students to help them:

1. It has something to do with a climate deal
2. You must use the fact sheet to answer the questions
3. Showing the students the correct sheet
4. **Last resort:** Helping the students solve the puzzle/give them the solution

Puzzle 3 – Teacher's overview



Title on sheets for students:

- Find the name of your climate mission
- EU Member States fact sheet
- Energy Mix

Icon in the upper right corner to help teachers identify the right sheet/s: A light bulb

Hint in the game: Are you on a climate mission?

Content: Info and facts about 10 out of the 27 EU Member States

Format: There are 8 small puzzles in total that the students have to solve based on the information they get from the EU Member States fact sheet and the Energy Mix sheet. Each correct answer to a puzzle gives the students a letter combination they must 'exchange' into a word in the table below. They must put these words together to find the name of their climate mission. The name of their climate mission is also the code they must enter in the escape room form to access the next puzzle.

Solution: A correctly filled out word puzzle gives the students the following code for the escape room form to unlock the next puzzle (see below): **let us find a path towards climate neutrality** (all letters must be written in lower case).

Overview of correct answers for the 8 puzzles

Puzzle	Countries	Letter combination	Word
1	POLAND + SPAIN	PS	let
2	IRELAND + SPAIN	IS	us
3	DENMARK + DENMARK	DD	find
4	GERMANY + IRELAND	GI	a
5	GERMANY + SPAIN	GS	path
6	FRANCE + IRELAND	FI	towards
7	FRANCE + BELGIUM	FB	climate
8	ITALY + DENMARK	ID	neutrality

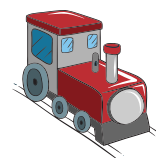
Table: fra bogstavkombination til ord

GS → path (5)	DG → build	DH → the	BD → to	GF → way
IS → us (2)	FB → climate (7)	PS → let (1)	PN → EU	IN → out
PB → we	DD → find (3)	FF → green	FI → towards (6)	GN → solution
FD → agreements	ID → neutrality (8)	GB → mission	GI → a (4)	FN → new

Hints you can consider giving the students to help them:

1. It has something to do with the climate mission that you are on today
2. It has something to do with energy and different facts about 10 out of the 27 Member States
3. Look around in the room (to find the Energy Mix sheet and the EU Member States Fact Sheet)
4. Showing the students the correct sheet
5. **Last resort:** Helping the students solve the puzzle/give them the solution

Puzzle 4 – Teacher's overview



Title on sheet for students:

- Transport and mobility

Icon in the upper right corner to help teachers identify the right sheet/s: A train

Hint in the game: When you have to get from A to B

Content: Facts about transport and mobility in the EU

Format: The students must obtain information about transport and mobility in the EU through the fact sheet. They must pay close attention to the numbers they receive information about. They must then follow the calculation instructions below to solve the puzzle and get the code to enter into the escape room form to access the next puzzle.

Solution: A correct calculation will give the students this code which also gives them access to the next puzzle: **153 (must be written as a number)**.

Overview of correct answers for the puzzle

Letter	Instruction	Answer - from text	Number
A	The number of people in the EU (in millions) who are directly employed in the transport sector (... million)	Ten	10
B	The share of the transport sector in the total greenhouse emissions generated in EU (...%)	Twenty-five	25
C	The average CO2 emission per kilometer of a diesel car (... grams)	120	120
D	Through The European Green Deal, there is an intention to reduce greenhouse gas emissions generated by transport by ... (...%)	Ninety	90
E	The minimum number of emission-free vehicles (in millions) on our roads by 2030 (... million vehicles)	Thirty	30
F	The maximum CO2 emission per kilometer of a new passenger car by 2030 (... grams)	Sixty	60
G	The number of cities in the EU working to ensure climate neutrality by 2030 (... cities)	One hundred	100

Solution:

Transport and mobility calculation

$$\left(\frac{(A + B + C) \times (D - E)}{G} \right) + F = \text{the solution}$$

$$\left(\frac{(10 + 25 + 120) \times (90 - 30)}{100} \right) + 60 = \text{the solution}$$

$$\left(\frac{155 \times 60}{100} \right) + 60 = \text{the solution}$$

$$\left(\frac{9300}{100} \right) + 60 = \text{the solution}$$

$$93 + 60 = 153 = \text{the solution}$$

Hints du kan overveje at give eleverne for at hjælpe dem:

1. It has something to do with transport
2. Showing the students the correct sheet
3. **Last resort:** Helping the students solve the puzzle/give them the solution

Puzzle 5 – Teacher's overview



Title on sheet for students:

- Housing and green neighborhoods

Icon in the upper right corner to help teachers identify the right sheet/s: A house

Hint in the game: How can we reduce our energy consumption at home?

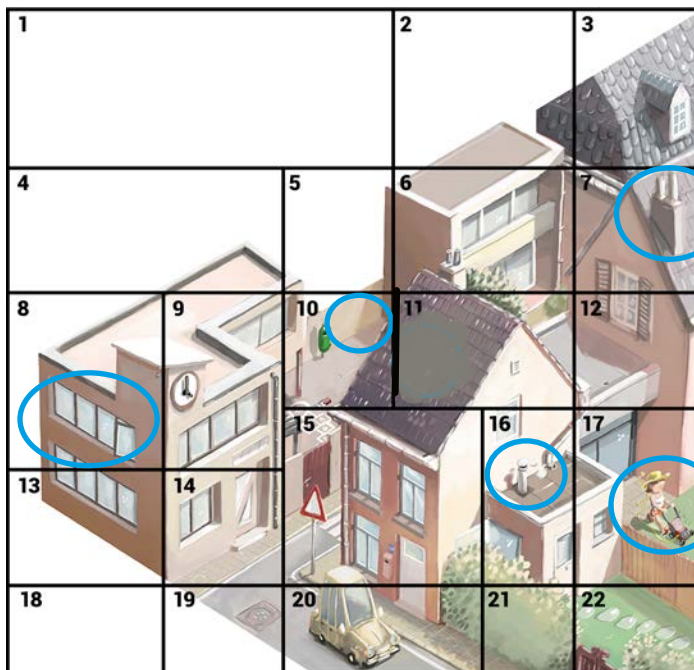
Content: Info and facts about housing and green neighborhoods with a focus on energy efficiency and reducing energy consumption.

Format: The students have to find 5 differences between image 1 and image 2. Image 1 is divided into different fields with numbers: the students have to note in which field each of the 5 differences is and the number in each field. The sum of the numbers in the boxes where they find a difference is part solution to the puzzle and the code, they need to access the next puzzle. They need to add 2050 to this sum.

Solution: A correctly solved puzzle gives the students the following code for the escape room form to unlock the next puzzle (see below): 2108 (entered as numbers)

Overview of correct answers for the puzzle based on the hints given

Keyword	Korrekt felt
Solar panel	7
Playground	10
Ventilation system	8
Wild garden	17
Roof insulation	11
Correct answer: $(7 + 8 + 10 + 16 + 17) + 2050 = 2108$	



Hints you can consider giving the students to help them:

1. It has something to do with where we live
2. You have to compare two things
3. Showing the students the correct sheet
4. **Last resort:** Helping the students solve the puzzle/give them the solution



Puzzle 6 – Teacher's overview

Title on sheets for students:

- Water quality in the EU
- Water quality fact sheet

Icon in the upper right corner to help teachers identify the right sheet/s A drop of water

Hint in the game: Drip drip

Content: Info and facts about the Nitrates Directive and water quality in the EU

Format: Students must use information from the fact sheet to answer the questions in puzzle table. They must note which column letter (A, B, C, D) marks the correct answer. They must then use the correct column letters for questions 1, 2, 3 and 4 to find a well-known European band. The solution to the puzzle is a well-known song by this band whose title is related to the subject of this puzzle. The name of the song is also the code they must enter in the escape room form to access the next puzzle.

Solution: A correctly solved puzzle gives students the following code to enter into the escape room form to access the next puzzle: **waterloo** (all letters must be written in lower case).

Overview of correct answers

Question	Answer	Puzzle Grid Column
Q1	Dog	A
Q2	Eutrophic	B
Q3	Reduce the number of cows	B
Q4	Poland	A

Answer for Step 3: ABBA

Solution [Answer for Step 4]: The solution to the puzzle is **waterloo**. Entering it (lower case) in the Google form for this puzzle provides access to the next puzzle.

Hints you can consider giving the students to help them:

1. The first syllable is something that we drink.
2. The second syllable is slang for a small room in your house.
3. The place where Napoleon (Bonaparte) lost a famous battle.
4. **Last resort:** Help the students solve the puzzle or give them the solution.

Puzzle 7 – Teacher's overview



Title on sheets for students:

- Single-Use Plastics in the EU
- Single-Use plastics fact sheet
- Puzzle Map

Icon in the upper right corner to help teachers identify the right sheet/s: A water bottle

Hint in the game: Bags and straws and bottles and balloons are made from this material

Content: Info and facts about The Directive on Single-Use Plastics

Format: There are three steps in the puzzle:

- Step 1) Students use the information from the Single-use Plastics Factsheet to answer four questions (Q1 – Q4) in the SUP Puzzle-sheet.
- Step 2) Students must then locate the icon/image on the Puzzle Map that matches each correct answer. Students must then note the map grid reference where they find each icon; for example a1, b9, or g12:
- Step 3) The solution to the puzzle is provided by the four grid references in order. It is important to enter these as lower case letters and numbers and without spaces on the Google Form.

Solution: A correct combination of grid references based on correctly answered questions gives the students the following code for the escape room form to unlock the next puzzle (see below): **l1j12b10i10 (letters must be written in lower case)**.

Overview of correct answers for the puzzle

Question	Svar	Kort-reference
Which item targeted by The Directive on Single-Use Plastics would be used as a drinking container?	Plastic bottle	l1
What item, whose producers must now pay for its collection, accounts for approximately a quarter of all marine litter?	Fishing gear	j12
On a product's label, what marine creature indicates that it contains plastic?	Turtle	b10
The government of which EU member state was warned by the European Commission in May 2024 about its implementation of the SUP directive?	Italy	i10

Hints you, as the teacher, can consider giving the students to help them:

1. **For Step 1.** Hint the relevant Factsheet information box to answer each question.
2. **For Step 2.** Look around the room, there is something you need to solve the puzzle.
3. **Last resort:** Help the students solve the puzzle or give them the solution.

Puzzle 8 – Teacher's overview



Title on sheet for students:

- Ban on the sale of new petrol and diesel cars from 2035

Icon in the upper right corner to help teachers identify the right sheet/s: A car

Hint in the game: I wonder how the industry will react to this ban

Content: Different stakeholders' opinion on the EU's ban on the sale of new petrol and diesel cars from 2035

Format: Students must listen to the message from the Italian Prime Minister (video in the escape room form) or read it in the form of a letter in the puzzle sheet. They must then read about four other stakeholders who also have strong views on the ban. They must discuss in the group and agree on an answer to the following question: Which two of the four stakeholders (A, B, C or D) do you think are allies of the Italian Prime Minister? The correct letter combination of the two correct stakeholders is the solution to the puzzle and at the same time the code they must use in the escape room form to get access to the next puzzle.

Solution: A correctly solved puzzle gives the students the following code for the escape room form to unlock the next puzzle: **bd (both letters must be written in lowercase).**

Hints you can consider giving the students to help them:

1. It has something to do
2. Showing the students the correct sheet
3. **Last resort:** Helping the students solve the puzzle/give them the solution

Puzzle 9 – Teacher's overview



Title on sheet for students:

- EU's Carbon Border Adjustment Mechanism

Icon in the upper right corner to help teachers identify the right sheet/s: A euro

Hint in the game: It has something to do with exports and imports

Content: Different stakeholders' opinion on the EU's Carbon Border Adjustment Mechanism (CBAM)

Format: The students have to listen to the message from the representative of the Association of EU Trade Partners (video in the escape room form) or read it in the form of a letter in the puzzle sheet. They must discuss it in the group and figure out: What solution does the representative propose? Then read the reaction of another stakeholder below: a message from the Association of EU Companies. They must discuss this in the group as well and figure out: What does the Association of EU Companies propose? The students must then figure out what the compromise between the two positions is: in which year should the EU's CBAM be implemented if it is a compromise between the two positions? The compromise is exactly halfway for both stakeholders, and it is also the code they have to enter to get access to the next puzzle.

NOTE: in order to find the solution, the students have to find out for themselves that they have to go back and look in the sheet from puzzle 3 about The European Green Pact, where it says what year the EU's CBAM is planned to be fully implemented (in 2026). This means that the Association of EU Trade Partners wants it to be implemented in $2026 + 14 = 2040$. From this, students must find out which year is halfway between the two years and thus the compromise: $14/2 = 7$. $2026 + 7 = 2033$.

Solution: A correctly filled out word puzzle gives the students the following code for the escape room form to unlock the next puzzle: **2033 (must be written as a number)**. .

Hints you can consider giving the students to help them:

1. It has something to do with some kind of tax or tariff
2. Showing the students the correct sheet
3. **Last resort:** Helping the students solve the puzzle/give them the solution

Puzzle 10 - Stakeholders' Conflicting Views Teachers' Overview

Title on student sheet:



➤ Stakeholders' Conflicting Views

Puzzle icon: Speech bubbles in the upper-right corner of each sheet helps students and teachers to identify the correct sheets

Game hint on Google Form: Can we agree to disagree?

Content: Stakeholders' differing opinions on the context and options when tackling climate change.

Format: There are four steps in this puzzle:

Teacher Preparation: The puzzle contains conflicting statements on five aspects of tackling climate change in the EU. Please print (one-sided and in colour) the dialogue grid on the next page of this document. Cut out each statement box evenly (i.e., 10 boxes) and place them (shuffled) in an envelope with the *Stakeholders' Conflicting Views Puzzle-sheet*.

Student Steps:

Step 1: Students must take the five statements numbered 1-5 (blue-shaded) and place them in a vertical column on their table. They then read each statement.

Step 2: For each numbered (blue-shaded) statement, students must now find its counter-argument in the other (green-shaded) statements. They must place the corresponding, green-shaded statement next to its numbered counterpart. This forms a new green column of statements; think matching pairs.

Step 3: In the column of green-shaded statements, students must now look for odd-looking letters. Reading from top to bottom, they must take note of these letters.

Step 4: This reveals a solution (compromise) to the puzzle which they enter in the Google form. If correct, their Google form indicates that they have succeeded, and they triumphantly inform you. You now stop the video of rising water levels OR you allow other teams time to complete the game.

Solution: The solution to the puzzle is compromise. Entering it (lower case letters) in the Google form for this puzzle will inform students of their success.

Hints you can consider giving the students:

1. **For Step 2:** Look out for key words in each blue-shaded statement and then look for opposing words in the green-shaded statements.
2. **For Step 2:** Consider what stakeholder is the focus of a blue-shaded statement, now look for the same stakeholder in a green-shaded statement.
3. **For Step 4:** An important word and action to solve all differences of opinion.
4. **Last resort:** Helping the students solve the puzzle or give them the solution.

Matching Pairs: Stakeholders' Conflicting Views



1. "The EU's green transition is too slow. The climate goals for 2030 and 2050 approach. Ambitious solutions to the climate crisis must be found and must be found quickly".	"We must ensure that the pace of the green transition is not so fast that business Cannot keep up. This is important now as EU's companies' cOmpetitiveness is challenged".
2. "This sector gets a third of the EU budget and produces more than 10% of EU emissions. We must change production methods and tax meat as an emitter of greenhouse gases".	"We guarantee food safety in Europe and export products worth billions. If you introduce new taxes in our sector, you'll ruin European farMing in favour of lower-quality imPorts".
3. "EU energy efficiency targets are not ambitious enough! We must reduce energy use. If we increase energy taxes, people might put on a sweater instead of turning up the heat".	"That would not be a popular measure. EuRopeans experience energy price increases. Instead, incentivize building insulatiOn and heat pumps to reduce energy use".
4. "Responsibility must be shared to solve the crisis. Everyone must reduce emissions and invest in alternatives. If all EU states do not contribute, we'll miss our goals".	"EU members are at different stages of economic developMent. A strict green transition will cripple poorer member states. It isn't realistic for all states to have equal responsibility".
5. "EU citizens must take a greater role in the green transition. Some may be too comfortable to change consumption, but it is about will, choice and habit".	"A new Eurobarometer survey indicates EU citizenS are concerned about energy costs due to conflicts. Climate changE cannot be their priority right now".