European Union

Description

You are a group of countries with strong economies and high per capita emissions. There is a strong lobby from emitting sectors (energy, manufacturing, agriculture). Your citizens are becoming increasingly concerned about climate impacts after a number of heatwaves and droughts.

**Your suggested goal**

Achieve a compromise between what your citizens and the industrial lobby want

**Emission tokens:**

Each country has a different number of fossil fuel and land use change tokens. You can spend fund tokens (money) to mitigate emissions (reduce the number of emission tokens you have). Costs are the same for all countries. Mitigated emission tokens go in the middle of the table and at the end we add them up to determine which SSP scenario we are in.

|  |  |  |
| --- | --- | --- |
| Fossil fuels emissions | Land use change emissions | Funds |
| 6 | 2 | 30 |

**Actions costs and effects:**

|  |  |  |
| --- | --- | --- |
| Mitigation action | Effect | Cost |
| Convert to non fossil fuel based energy | -1 FF | 1 |
| CCS and BECCS | -1 FF | 5 |
| Increased energy efficiency | -1 FF | 1 |
| Improved infrastructure planning | -1 FF OR -1 LUC | 2 |
| Preserve natural ecosystems | -1 LUC | 2 |
| Ecosystem restoration | -1 LUC | 3 |

You can take each action as many times as you like. If you want to take other actions, please ask for a cost.

**Suggested starting points for planning:**

Where are your main emissions coming from? How much are you going to be impacted by future climate change and in what ways? Can you adapt instead of mitigate?

**Role-playing:**

You are the climate representative of your country. You care about the climate and the state of the planet, but you also care about having a job, and therefore representing the interests of your country. Lean into the role. This might mean that you will say things you do not actually personally believe, but you think your real life counter-part might say.

**Debate format:**

The debate will take place in 3 rounds, with a short break between each to allow you to debrief and plan. Choose a different speaker for rounds 1 and 3, with both people contributing to round 2.

* Round 1. Each group declares its position. Are you ready to reduce emissions? Are you ready to pay? Can you build up a case for why others should?
* Round 2. First round of negotiations, tokens on the board. Try to convince others they should emit less, either through eloquence or by paying them. This will be an open discussion.
* Round 3. End game. This will be your last chance to turn things around. We will go round the table asking everyone to make final statements or pleas. Then everyone will have a chance to make a final decision on emission.

**Assessment:**

You will be assessed on the following criteria:

* Application of concepts and facts learned throughout the module
* Research into your specific region
* Logic of arguments
* Presentation style

You will NOT be assessed on whether we actually stop the planet from burning or not.

United States

Description

You are a country with a strong economy and high per capita emissions. There is a strong lobby from emitting sectors (energy, manufacturing, agriculture) and political interest groups. Despite these groups’ best efforts, mitigation strategies are being put in place and emissions are leveling off. There is political pressure to act like you’re doing something but actually do nothing.

**Your suggested goal**

Come out as a world leader with minimal emission reductions

**Emission tokens:**

Each country has a different number of fossil fuel and land use change tokens. You can spend fund tokens (money) to mitigate emissions (reduce the number of emission tokens you have). Costs are the same for all countries. Mitigated emission tokens go in the middle of the table and at the end we add them up to determine which SSP scenario we are in.

|  |  |  |
| --- | --- | --- |
| Fossil fuels | Land use change | Funds |
| 11 | 2 | 45 |

**Actions costs and effects:**

|  |  |  |
| --- | --- | --- |
| Action | Effect | Cost |
| Convert to non fossil fuel based energy | -1 FF | 1 |
| CCS and BECCS | -1 FF | 5 |
| Increased energy efficiency | -1 FF | 1 |
| Improved infrastructure planning | -1 FF OR -1 LUC | 2 |
| Preserve natural ecosystems | -1 LUC | 2 |
| Ecosystem restoration | -1 LUC | 3 |

You can take each action as many times as you like. If you want to take other actions, please ask for a cost.

**Suggested starting points for planning:**

Where are your main emissions coming from? How much are you going to be impacted by future climate change and in what ways? Can you adapt instead of mitigate?

**Role-playing:**

You are the climate representative of your country. You care about the climate and the state of the planet, but you also care about having a job, and therefore representing the interests of your country. Lean into the role. This might mean that you will say things you do not actually personally believe, but you think your real life counter-part might say.

**Debate format:**

The debate will take place in 3 rounds, with a short break between each to allow you to debrief and plan. Choose a different speaker for rounds 1 and 3, with both people contributing to round 2.

* Round 1. Each group declares its position. Are you ready to reduce emissions? Are you ready to pay? Can you build up a case for why others should?
* Round 2. First round of negotiations, tokens on the board. Try to convince others they should emit less, either through eloquence or by paying them. This will be an open discussion.
* Round 3. End game. This will be your last chance to turn things around. We will go round the table asking everyone to make final statements or pleas. Then everyone will have a chance to make a final decision on emission.

**Assessment:**

You will be assessed on the following criteria:

* Application of concepts and facts learned throughout the module
* Research into your specific region
* Logic of arguments
* Presentation style

You will NOT be assessed on whether we actually stop the planet from burning or not.

China

Description

You are a country with a strong and increasing economy and medium per capita emissions, but a large population. You feel that you should be allowed to continue to increase your economy use fossil fuels, as most of the greenhouse gases have been historically emitted by other countries who ‘developed’ earlier, so now it’s your turn. However, recent climate extremes and impacts have made you think that maybe something should be done.

**Your suggested goal**

Be seen as a world leader, or at least stop the US from being world leader

**Emission tokens:**

Each country has a different number of fossil fuel and land use change tokens. You can spend fund tokens (money) to mitigate emissions (reduce the number of emission tokens you have). Costs are the same for all countries. Mitigated emission tokens go in the middle of the table and at the end we add them up to determine which SSP scenario we are in.

|  |  |  |
| --- | --- | --- |
| Fossil fuels | Land use change | Funds |
| 23 | 4 | 40 |

**Actions costs and effects:**

|  |  |  |
| --- | --- | --- |
| Action | Effect | Cost |
| Convert to non fossil fuel based energy | -1 FF | 1 |
| CCS and BECCS | -1 FF | 5 |
| Increased energy efficiency | -1 FF | 1 |
| Improved infrastructure planning | -1 FF OR -1 LUC | 2 |
| Preserve natural ecosystems | -1 LUC | 2 |
| Ecosystem restoration | -1 LUC | 3 |

You can take each action as many times as you like. If you want to take other actions, please ask for a cost.

**Suggested starting points for planning:**

Where are your main emissions coming from? How much are you going to be impacted by future climate change and in what ways? Can you adapt instead of mitigate?

**Role-playing:**

You are the climate representative of your country. You care about the climate and the state of the planet, but you also care about having a job, and therefore representing the interests of your country. Lean into the role. This might mean that you will say things you do not actually personally believe, but you think your real life counter-part might say.

**Debate format:**

The debate will take place in 3 rounds, with a short break between each to allow you to debrief and plan. Choose a different speaker for rounds 1 and 3, with both people contributing to round 2.

* Round 1. Each group declares its position. Are you ready to reduce emissions? Are you ready to pay? Can you build up a case for why others should?
* Round 2. First round of negotiations, tokens on the board. Try to convince others they should emit less, either through eloquence or by paying them. This will be an open discussion.
* Round 3. End game. This will be your last chance to turn things around. We will go round the table asking everyone to make final statements or pleas. Then everyone will have a chance to make a final decision on emission.

**Assessment:**

You will be assessed on the following criteria:

* Application of concepts and facts learned throughout the module
* Research into your specific region
* Logic of arguments
* Presentation style

You will NOT be assessed on whether we actually stop the planet from burning or not.

India

Description

You are a country traditionally considered poor, but now with a rapidly increasing economy. You have a large population but low per capita emissions. Because of the high precipitation seasonality in most areas, you are expecting large negative impacts from future climate. There is a post-colonial legacy and you resent being told what to do by former colonial powers. There is a regional rivalry between you and China.

**Your suggested goal**

Reduce global emissions but maintain your economy.

**Emission tokens:**

Each country has a different number of fossil fuel and land use change tokens. You can spend fund tokens (money) to mitigate emissions (reduce the number of emission tokens you have). Costs are the same for all countries. Mitigated emission tokens go in the middle of the table and at the end we add them up to determine which SSP scenario we are in.

|  |  |  |
| --- | --- | --- |
| Fossil fuels | Land use change | Funds |
| 7 | 11 | 20 |

**Actions costs and effects:**

|  |  |  |
| --- | --- | --- |
| Action | Effect | Cost |
| Convert to non fossil fuel based energy | -1 FF | 1 |
| CCS and BECCS | -1 FF | 5 |
| Increased energy efficiency | -1 FF | 1 |
| Improved infrastructure planning | -1 FF OR -1 LUC | 2 |
| Preserve natural ecosystems | -1 LUC | 2 |
| Ecosystem restoration | -1 LUC | 3 |

You can take each action as many times as you like. If you want to take other actions, please ask for a cost.

**Suggested starting points for planning:**

Where are your main emissions coming from? How much are you going to be impacted by future climate change and in what ways? Can you adapt instead of mitigate?

**Role-playing:**

You are the climate representative of your country. You care about the climate and the state of the planet, but you also care about having a job, and therefore representing the interests of your country. Lean into the role. This might mean that you will say things you do not actually personally believe, but you think your real life counter-part might say.

**Debate format:**

The debate will take place in 3 rounds, with a short break between each to allow you to debrief and plan. Choose a different speaker for rounds 1 and 3, with both people contributing to round 2.

* Round 1. Each group declares its position. Are you ready to reduce emissions? Are you ready to pay? Can you build up a case for why others should?
* Round 2. First round of negotiations, tokens on the board. Try to convince others they should emit less, either through eloquence or by paying them. This will be an open discussion.
* Round 3. End game. This will be your last chance to turn things around. We will go round the table asking everyone to make final statements or pleas. Then everyone will have a chance to make a final decision on emission.

**Assessment:**

You will be assessed on the following criteria:

* Application of concepts and facts learned throughout the module
* Research into your specific region
* Logic of arguments
* Presentation style

You will NOT be assessed on whether we actually stop the planet from burning or not.

Amazonian countries

Description

You are an informal alliance of countries that all have a portion of the Amazonian rainforest on their territory. You’ve got low fossil fuel emissions per capita but large emissions from deforestation. A large part of the increase in your economy relies on selling agricultural products from cleared forest to other countries.

**Your suggested goal**

Do not significantly reduce you land use change emissions or find a different revenue stream

**Emission tokens:**

Each country has a different number of fossil fuel and land use change tokens. You can spend fund tokens (money) to mitigate emissions (reduce the number of emission tokens you have). Costs are the same for all countries. Mitigated emission tokens go in the middle of the table and at the end we add them up to determine which SSP scenario we are in.

|  |  |  |
| --- | --- | --- |
| Fossil fuels | Land use change | Funds |
| 2 | 19 | 15 |

**Actions costs and effects:**

|  |  |  |
| --- | --- | --- |
| Action | Effect | Cost |
| Convert to non fossil fuel based energy | -1 FF | 1 |
| CCS and BECCS | -1 FF | 5 |
| Increased energy efficiency | -1 FF | 1 |
| Improved infrastructure planning | -1 FF OR -1 LUC | 2 |
| Preserve natural ecosystems | -1 LUC | 2 |
| Ecosystem restoration | -1 LUC | 3 |

You can take each action as many times as you like. If you want to take other actions, please ask for a cost.

**Suggested starting points for planning:**

Where are your main emissions coming from? How much are you going to be impacted by future climate change and in what ways? Can you adapt instead of mitigate?

**Role-playing:**

You are the climate representative of your country. You care about the climate and the state of the planet, but you also care about having a job, and therefore representing the interests of your country. Lean into the role. This might mean that you will say things you do not actually personally believe, but you think your real life counter-part might say.

**Debate format:**

The debate will take place in 3 rounds, with a short break between each to allow you to debrief and plan. Choose a different speaker for rounds 1 and 3, with both people contributing to round 2.

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**Assessment:**

You will be assessed on the following criteria:

* Application of concepts and facts learned throughout the module
* Research into your specific region
* Logic of arguments
* Presentation style

You will NOT be assessed on whether we actually stop the planet from burning or not.

African union

Description

You are an informal group of countries with large economic disparities between and within-countries. Your economies are often reliant on oil and mining investments from other countries. Because of the high precipitation seasonality in most areas, you are expecting large negative impacts from future climate. There is a post-colonial legacy and you resent being told what to do by former colonial powers.

**Your suggested goal**

Reduce global emissions but maintain your economy.

**Emission tokens:**

Each country has a different number of fossil fuel and land use change tokens. You can spend fund tokens (money) to mitigate emissions (reduce the number of emission tokens you have). Costs are the same for all countries. Mitigated emission tokens go in the middle of the table and at the end we add them up to determine which SSP scenario we are in.

|  |  |  |
| --- | --- | --- |
| Fossil fuels | Land use change | Funds |
| 1 | 12 | 10 |

**Actions costs and effects:**

|  |  |  |
| --- | --- | --- |
| Action | Effect | Cost |
| Convert to non fossil fuel based energy | -1 FF | 1 |
| CCS and BECCS | -1 FF | 5 |
| Increased energy efficiency | -1 FF | 1 |
| Improved infrastructure planning | -1 FF OR -1 LUC | 2 |
| Preserve natural ecosystems | -1 LUC | 2 |
| Ecosystem restoration | -1 LUC | 3 |

You can take each action as many times as you like. If you want to take other actions, please ask for a cost.

**Suggested starting points for planning:**

Where are your main emissions coming from? How much are you going to be impacted by future climate change and in what ways? Can you adapt instead of mitigate?

**Role-playing:**

You are the climate representative of your country. You care about the climate and the state of the planet, but you also care about having a job, and therefore representing the interests of your country. Lean into the role. This might mean that you will say things you do not actually personally believe, but you think your real life counter-part might say.

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**Assessment:**

You will be assessed on the following criteria:

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* Research into your specific region
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* Presentation style

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