

SHOCKS TO THE SYSTEM

Players: 2-5 **Time:** 60-90 minutes

Credits: This game was a joint project between Forum for the Future, an international sustainability nonprofit, and ClimateWorks, a philanthropic platform innovating and accelerating climate solutions that scale.

Game Design: Alisha Bhagat and Stephanie Stavropoulos

Visual Design and Game Editing: John Stavropoulos

Playtesters: Michael Stynes, Michael Simon Johnson, Grace Mervin, Mark Egerman, Chelsea Frosini

Project Team: Surabi Menon, Elin Matsumae, Casey Cronin, Siddhi Ashar, Christina Daniels-Freeman, and Sally Uren

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PRINT INSTRUCTIONS

00. HOW TO PRINT

- Permission is given to print these cards for personal use.
- Print all on 8.5" x 11" US letter pages in color or black & white.
- Print portrait double-sided (along the long edge).
- If possible, choose a 100% scale with no borders or margins.
- After printing, starting with page 3 (after the world map), cut the rest of the pages into four (4) even size 4.25" x 5.5" cards.
- To save time cutting, use Avery blank perforated postcard (#8387, #5689, or #3380).

PLAY INSTRUCTIONS

01. ADDITIONAL MATERIALS

- 4 small objects to use as tracking tokens (pebbles, buttons, etc.)
- 24 paper clips
- a cup of 20 ice cubes w/ice spoon, tongs, or other preferred utensil
- an 8-12 oz water glass, 75% full (less if ice cubes are particularly large)

02. TABLE SETUP

- Place the glass of water on the WORLD MAP in the center of the play area, with the cup of ice next to it. This area is called RISK; to add one RISK is to place one ice cube in the glass of water.
- Place the SECTOR INDEXES around RISK, towards the players.
- Set aside EMERGENCY PROTOCOLS.

03. SHOCKS TO THE SYSTEM CARDS (SHOCK deck)

- Choose either the Black or White SHOCK deck. Put aside the deck that wasn't chosen (it won't be used).
- Shuffle chosen deck & stack face down.
- Split the deck into 2 even-ish piles.

04. TRAJECTORY CARDS

- Do not read them. Keep face down.
- Stack the 4 TRAJECTORY cards on top of one half of the SHOCK deck.
- Place the TRAJECTORY BENCHMARK EVALUATION card on top of the TRAJECTORY cards.
- Place the other half of the SHOCK deck on top of the TRAJECTORY BENCHMARK EVALUATION card.

05. TASKFORCE CHAIR PROCEDURES

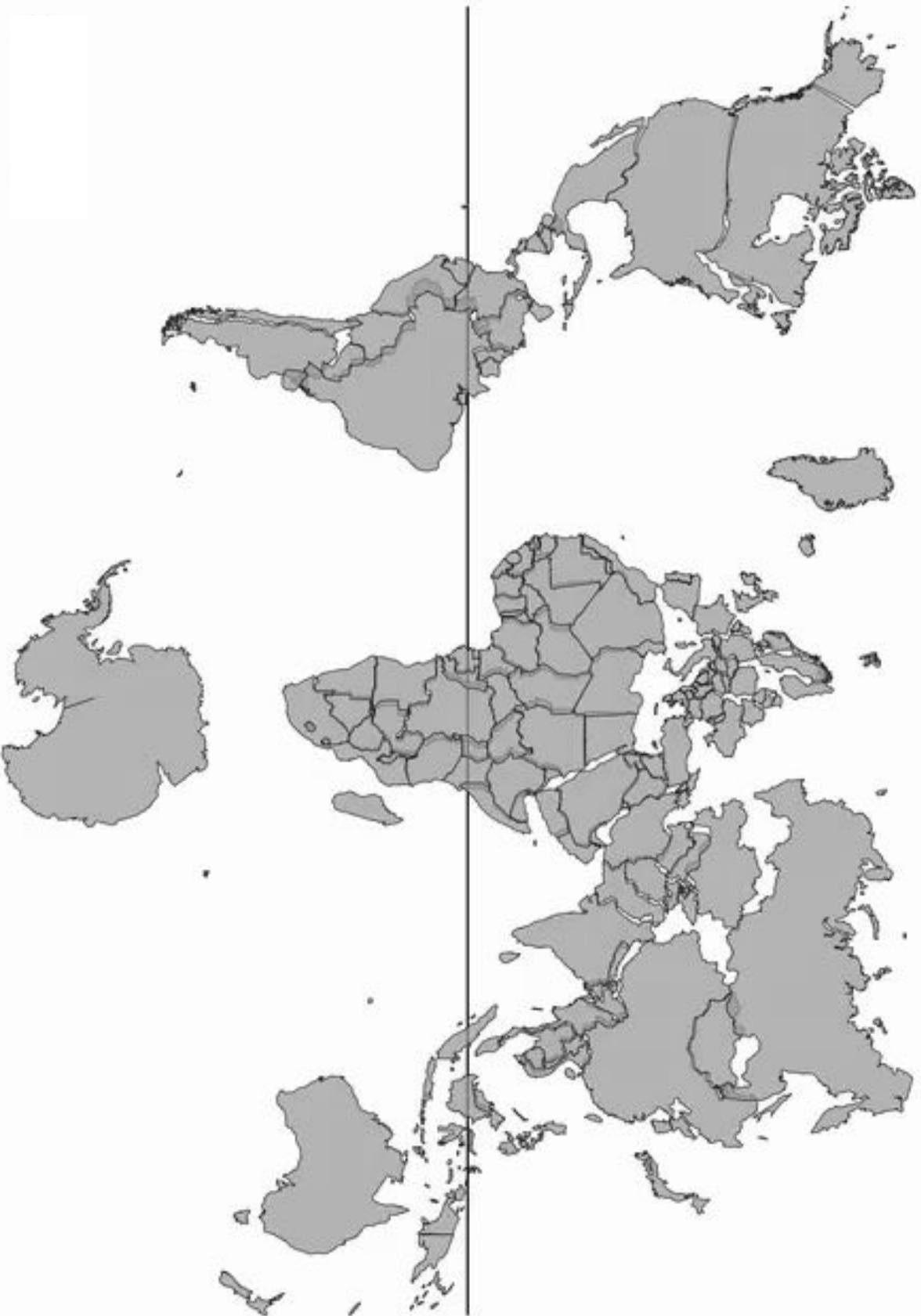
- Place on top of the deck.

06. WELCOME CARD, MISSION GUIDELINES, & NOTES TO FUTURE PASTS

- Place on top of the deck.
- Start playing!

WORLD MAP

Timeline 18Σ67ΩΒ | Early - Mid 21st Century



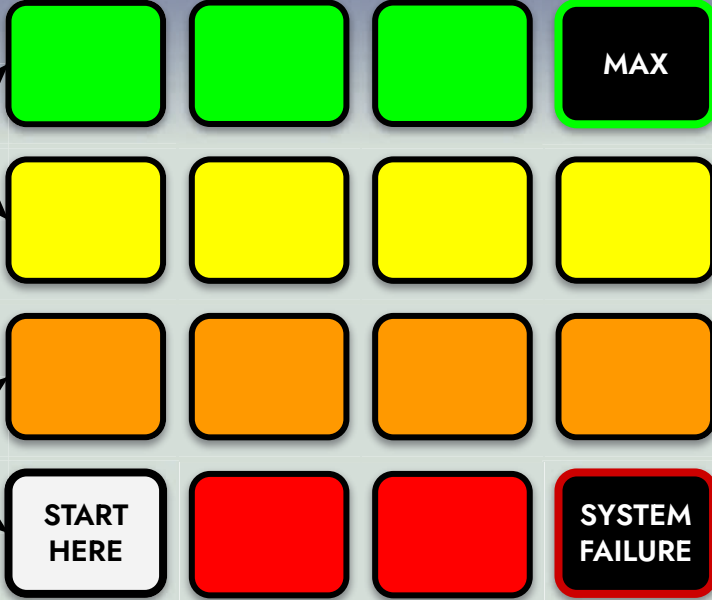


PEOPLE SECTOR INDEX

Use a small object to track shock impacts on PEOPLE.

Positive impacts (+) move up.
Negative impacts (-) move down.

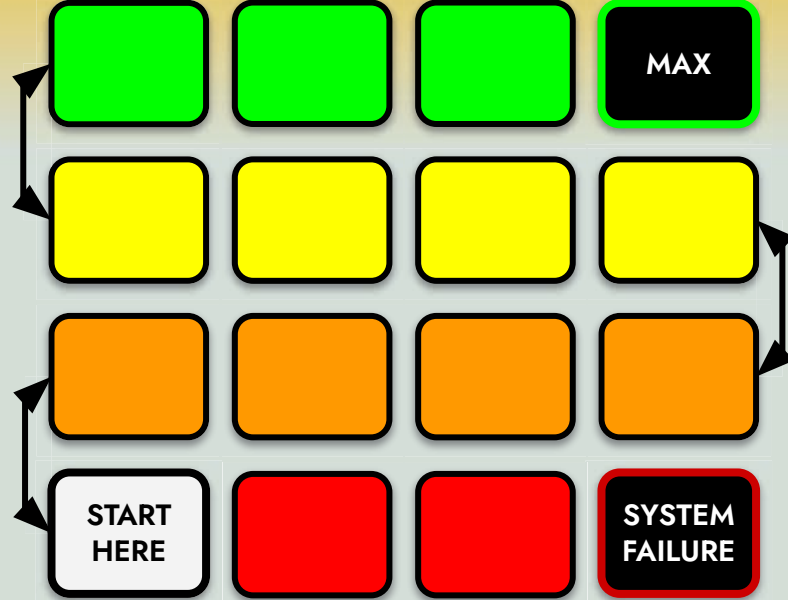
If PEOPLE fails, flip this card over.



BUSINESS SECTOR INDEX

Use a small object to track shock impacts on BUSINESS. Positive impacts (+) move up.
Negative impacts (-) move down.

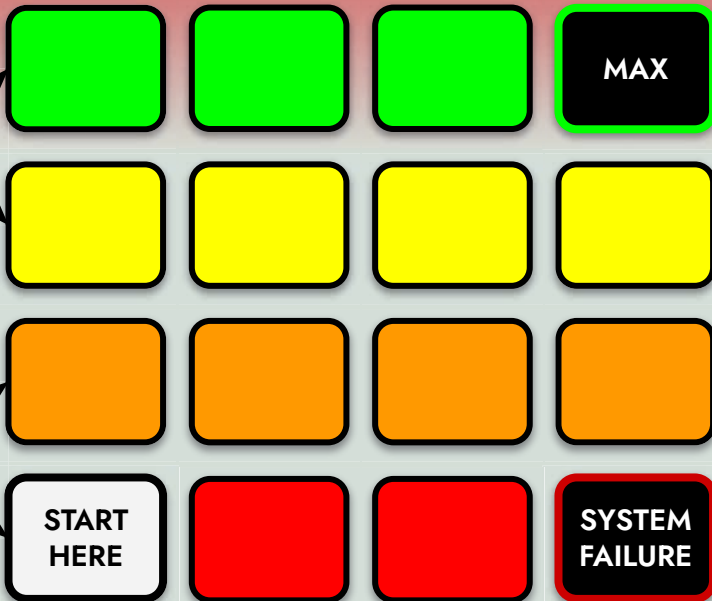
If BUSINESS fails, flip this card over.



GOVERNMENT SECTOR INDEX

Use a small object to track shock impacts on GOVERNMENT. Positive impacts (+) move up.
Negative impacts (-) move down.

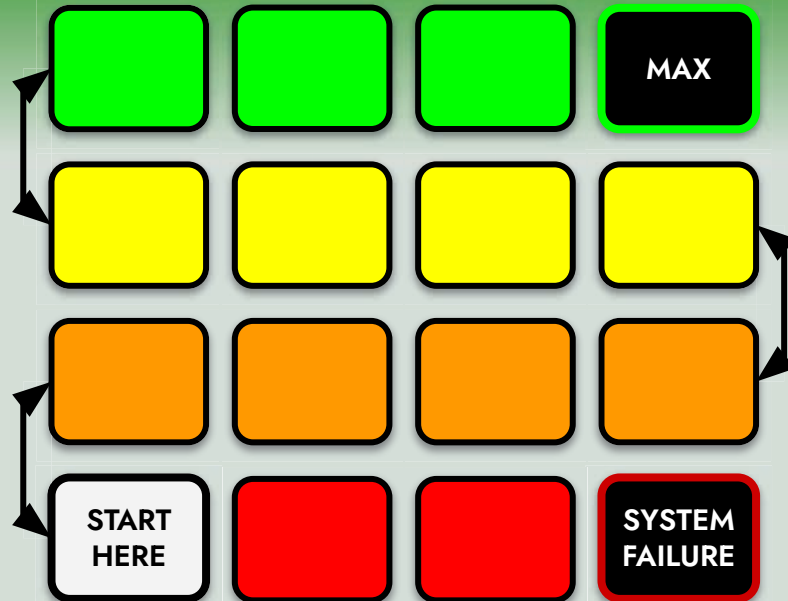
If GOVERNMENT fails, flip this card over.



ENVIRONMENT SECTOR INDEX

Use a small object to track shock impacts on ENVIRONMENT. Positive impacts (+) move up.
Negative impacts (-) move down.

If ENVIRONMENT fails, flip this card over.





SYSTEM FAILURE:

BUSINESS

The stock market has crashed and is coupled with a global recession. Many businesses are closing down or withdrawing from your country, causing unemployment to skyrocket.

SYSTEM SECTOR RESET:

+2  +3 



SYSTEM FAILURE:

PEOPLE

People are highly polarized and wary that their ways of life are under threat. There are rebellions and insurrections along with a rise in crime and chaos.

SYSTEM SECTOR RESET:

+2  +3 



SYSTEM FAILURE:

THE ENVIRONMENT

We are grossly behind our net zero targets and won't stay below 1.5 degrees of warming. Extreme weather, drought, and food insecurity threaten much of the world.

SYSTEM SECTOR RESET:

+2  +3 



SYSTEM FAILURE:

GOVERNMENT

Your government has shifted from a democracy to a totalitarian regime that does not believe in climate change or prioritize human rights.

SYSTEM SECTOR RESET:

+2  +3 

Timeline 18Σ67'ΩB has exceeded its RISK capacity, making its 31st mission **IRREPARABLY DOOMED**.

Proceed accordingly for TOTAL SYSTEM RESET to prepare for the 32nd mission of Timeline 18Σ67'ΩB.

1 Review the choices you have made and their impacts, as indicated by the clips on your Shocks to the System cards.

2 Identify one (1) piece of advice you would like to give to a future Shocks to the System Taskforce.
Be aware that the Trajectory symbols are subject to change without warning. As such, it is inadvisable to reveal those you know.

3 Add your advice to Notes to Future Pasts.

Onwards, next time(line), wiser than before.

Notes to Future Pasts (from those who have failed before you)

We are writing to you from your optimally avoidable future. Here is the guidance we have to impart to you:

1.

2.

3.

Onwards, this time(line), wiser than before.

NOTES TO FUTURE PASTS

Timeline
18Σ67ΩB



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EMERGENCY PROTOCOLS

Timeline
18Σ67ΩB



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The global shortage of semiconductors has led to many countries implementing protectionist policies to secure supply. This caused a ripple effect on the electronics industry and is impacting consumers worldwide who face longer wait times and higher prices for electronic devices.

CHOOSE ONE:

Develop local semiconductor industries to reduce reliance on global supply chains and promote self-sufficiency.



Advocate for international collaboration around semiconductor production, and support policies that prioritize equitable access.



The countries of Oz and Qumar, neither of which are your allies, are competing to invest in Genovia's lithium mines. Your country is reliant on Genovian lithium, and this investment could impact control over the global EV battery market.

CHOOSE ONE:

Establish a global partnership to jointly invest in sustainable and ethical lithium mining, while accelerating research on alternative battery technologies.



Create agricultural subsidies, technological investment funds, and education campaigns to encourage adoption of sustainable biofuels and a robust public transit system not solely reliant on EV batteries.



The KEEP Act, a recently enacted federal ban on Guilder, Gondor, Carnelia, or San Escobar buying your nation's agricultural land, raises concerns about the impact on global food chains.

CHOOSE ONE:

Subsidize domestic agricultural production and use the agricultural surplus as exports as well as food aid for developing countries.



Create more arable land through large-scale land reclamation and de-desertification projects, and enable this newly created land to be sold to foreign investors.



Your neighbor, the Republic of Terra Verde, has approved plans for a new coal-fired power plant, despite local opposition. The proposed plant would be located in a region already struggling with air pollution and deforestation.

CHOOSE ONE:

Support a grassroots initiative to recognize the forest and waterways around the powerplant as having the same legal rights as human beings.

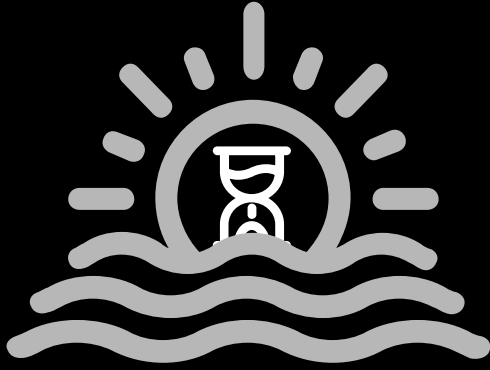


Capture evidence of the environmental impact and lead legal measures against those responsible in an international court.



SHOCKS TO THE SYSTEM

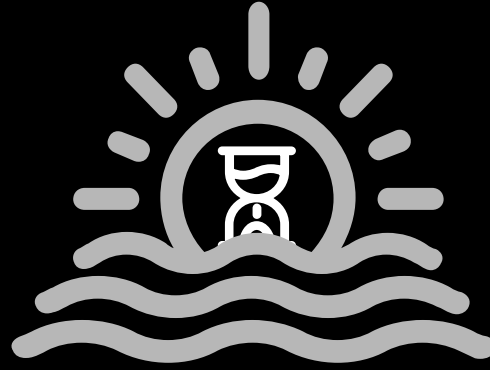
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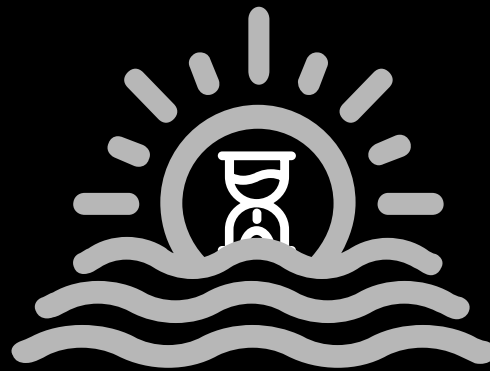
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Mining companies in Zandar, a critical source for minerals and metals, have been competing fiercely for access to resources. The competition has escalated into violent clashes between rival factions, exacerbating the already high rates of gender-based violence in the region.

CHOOSE ONE:

Send your military into Zandar to protect valuable mining assets, critical to national security. Use military and government presence to ensure that gender-based violence is not tolerated.

 **KEEP SECRET:**  +2  -2  -2  2

Work to shift mine ownership to local communities, train women and nonbinary leaders, and promote more sustainable mining.

 **KEEP SECRET:**  -1  +2  2






Your historical ally, Zamunda, has requested financial backing to help farmers in rural areas build better markets and streams of income. The initiative will provide technical assistance, loans, and market development projects.

CHOOSE ONE:

Support mutual-aid organizations and other grassroots decentralized means of sharing knowledge and allocating resources by giving funds directly to these organizations and circumventing the government entirely.

 **KEEP SECRET:**  -1  +1  2

Grant aid only after Zamunda has signed a treaty agreeing that your funding will be directly proportional to production rates, production data will be shared, and a code of conduct will be followed.

 **KEEP SECRET:**  +1  -1  +1  1

The rapid increase in demand for electric vehicles has led to a shortage of key minerals and metals, such as lithium and cobalt, which are needed for their production.

CHOOSE ONE:

Invest in domestic lithium mining operations and recycling programs.

 **KEEP SECRET:**  +1  +1  -1  2

Encourage research and development of alternative materials, such as graphene or sodium-ion batteries, to reduce reliance on scarce resources.

 **KEEP SECRET:**  -1  +1  3

A neighboring food system and your country's primary source of wheat - The Republic of Henan - has collapsed due to ongoing war with an invading nation. Your country's population is now increasing due to the influx of refugees, while your food supply chain has significantly stalled.

CHOOSE ONE:

Encourage the development of community-led urban agriculture projects that utilize underused land plots for gardening and waterways for aquaculture.

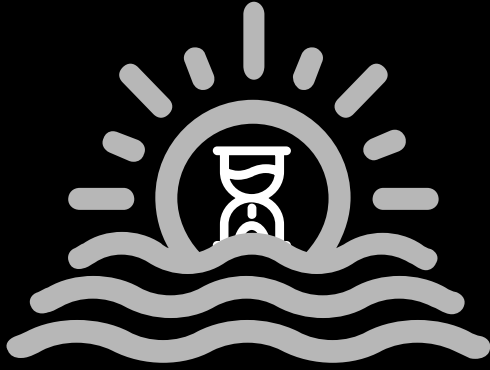
 **KEEP SECRET:**  -1  +1  2

Promote sustainable production and consumption by raising the cost of animal-based products and decreasing the cost of low-carbon food options.

 **KEEP SECRET:**  +1  -2  2

SHOCKS TO THE SYSTEM

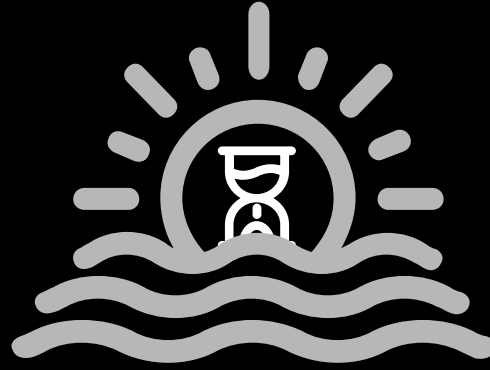
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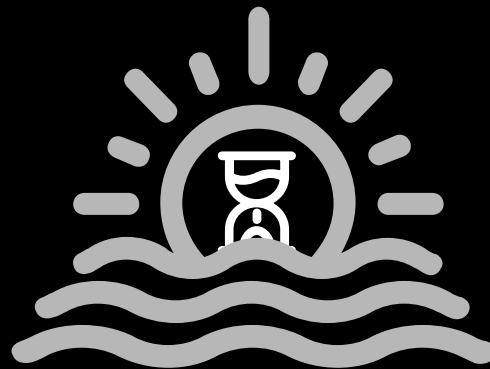
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With the increased shortages and global demand for baby formula, there is a need to find new sources and develop efficient ways of production while reducing the negative environmental impact.

CHOOSE ONE:

Incentivize domestic baby formula production through corporate subsidies while enforcing bans on exports.



Support a national system for breast-milk donation and banking, enabling donations in a safe and secure manner.



Due to the ongoing effects of climate change, multiple category 5 hurricanes have pummeled the island nation of Corto Maltese, causing severe damage to ecosystems, communities, and agricultural livelihoods.

CHOOSE ONE:

Build up the green jobs sector in Corto Maltese by building large offshore wind farms that will prevent hurricanes and generate clean energy.



Work with local governments to offer tax credits for communities shifting to sustainable farming techniques and business loans prioritizing sustainable businesses.



High unemployment and inflation are causing food insecurity for many cities. With limited space and resources, vertical farming, hydroponic farming, and community gardens are becoming popular options but aren't scalable.

CHOOSE ONE:

Support policies that promote the consumption of locally-produced food while subsidizing national food companies creating low-cost and "essential" food products.



Invest in and pilot urban farming technologies such as aeroponic farming, aquaculture, and automated vertical farms. Additionally scale up apps and other tech tools that diminish food wasting.



As automation and AI continue to replace human jobs, the potential for widespread unemployment and income inequality grows.

CHOOSE ONE:

Humans first! Incentivize jobs and workplaces that hire skilled human workers and limit working hours.

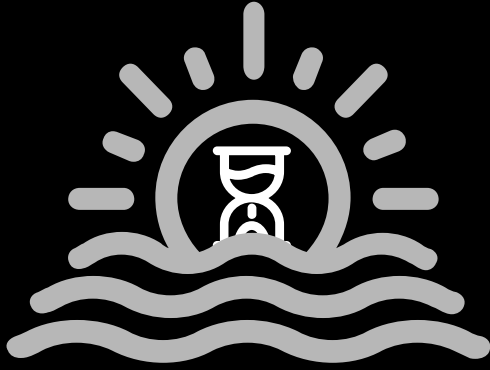


Implement a Universal Basic Income (UBI) to mitigate the impact of automation on employment.



SHOCKS TO THE SYSTEM

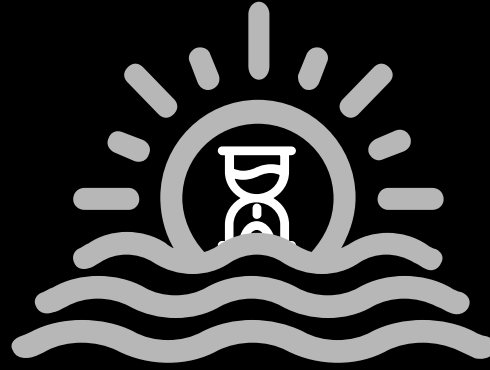
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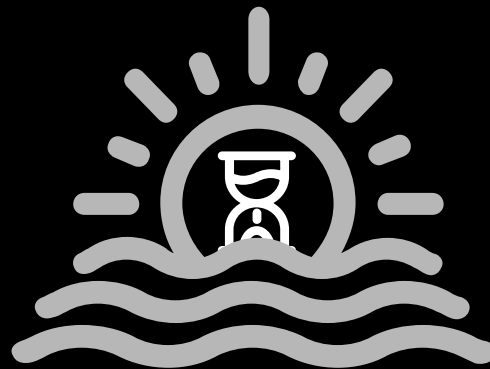
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Artificial intelligence is introducing biases and discrimination in law enforcement and distribution of social services, including food stamps.

CHOOSE ONE:

Establish a national task force of experts to review and audit AI algorithms used by law enforcement and social service agencies.

 **KEEP SECRET:**  +1  +1  -1  1

Experiment with new AI algorithms, require gender, class, and racial diversity in AI development teams, and prioritize regular audits for bias and fairness.

 **KEEP SECRET:**  -1  +2  0

Global polarization and extremism threatens the stability of democracies worldwide. The spread of hatred and division is preventing climate action.

CHOOSE ONE:

Establish an international platform that utilizes AI and virtual reality to create movies, games and media that foster empathy and cross-cultural understanding.

 **KEEP SECRET:**  +1  -1  +1  0

Use governmental power to clamp down on disinformation and misinformation online through a combination of censorship and increased scrutiny of the tech industry.

 **KEEP SECRET:**  -1  +1  -1  1

The increasing popularity of online shopping has led to a surge in plastic packaging waste, contributing to environmental degradation. We need to find sustainable solutions to reduce plastic waste and promote eco-friendly packaging alternatives.

CHOOSE ONE:

Award tax-credits to local businesses that cut down on packaging, use biodegradable or recycling packaging, and their own recycling programs.

 **KEEP SECRET:**  +1  +1  1

Use drones to deliver goods in reusable and frequently sanitized containers, thus preventing contamination and reducing the need for most packaging.

 **KEEP SECRET:**  -1  +1  -1  2

The idea of space colonization is gaining traction, and individual governments seek to secure the supply chains of critical materials needed for building their colonies. The Intergalactic Council, of which you are a member, is attempting to keep the peace.

CHOOSE ONE:

Support the "Not Mars" movement. Focus on developing sustainable mining on Earth.

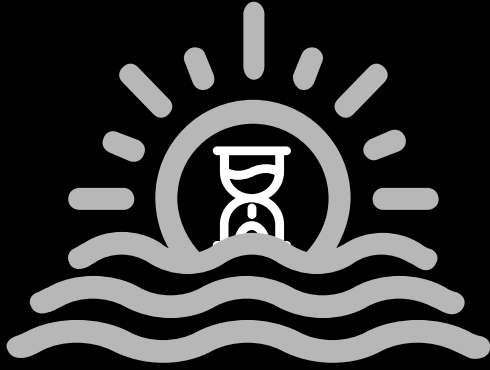
 **KEEP SECRET:**  -2  +1  +1  0

Require cooperation through international space treaties. Improve monitoring of Earth from space through AI and technological advances enabled by 6G while promoting responsible resource management on Earth.

 **KEEP SECRET:**  +1  +2  1

SHOCKS TO THE SYSTEM

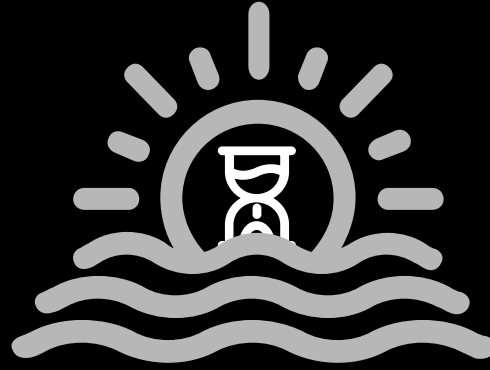
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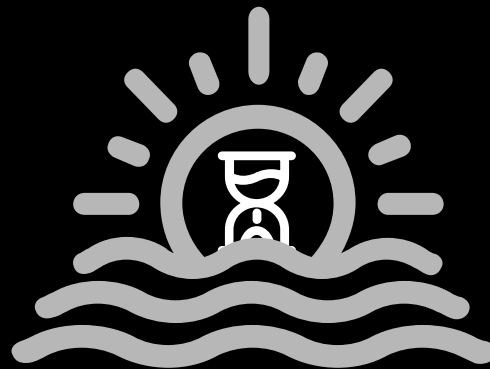
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Repeated extreme flooding threatens the densely populated coastal cities of Daevabad. This poses an immediate risk to the life and livelihoods of millions.

CHOOSE ONE:

Reinforce high-income, high-population cities through seawalls. Abandon smaller cities altogether and move people inland to areas that are greener and more resilient.

 **KEEP SECRET:**  -1  +1  -1  2

Make cities more resilient through climate friendly architecture, increased green space, and green infrastructure, acknowledging that some people will lose their homes in this redevelopment process.

 **KEEP SECRET:**  -1  +2  +1  2

Your country is short 3 million workers, half of whom are needed in the agricultural sector. As a result wages have been pushed higher and inflation is on the rise.

CHOOSE ONE:

Invest in lab and vat grown food production processes that require much less labor.

 **KEEP SECRET:**  +1  +2  -1  2

Create a faster immigration policy and more visas for agricultural workers.

 **KEEP SECRET:**  +2  +1  1

An international terrorist organization has hacked the marine vessel data system used by the Xanama Canal causing the pileup and stalling of over 700 container ships. It is now day 10 of this disaster.

CHOOSE ONE:

Send your military to Xanama to protect against on-the-ground attacks and use military intelligence to hack into the data system and correct the error.

 **KEEP SECRET:**  +1  +1  -1  2

Deploy a fleet of aquatic robots to clean ship hulls, reduce biofouling (the buildup of aquatic life on ships), and nudge ships into the correct position required to clear the canal.

 **KEEP SECRET:**  +1  +2  3

San Madiero, the largest supplier of the world's Lithium is nationalizing its Lithium industry.

CHOOSE ONE:

Support the actions of this government, and work with them to protect biodiversity and share mining benefits with indigenous communities.

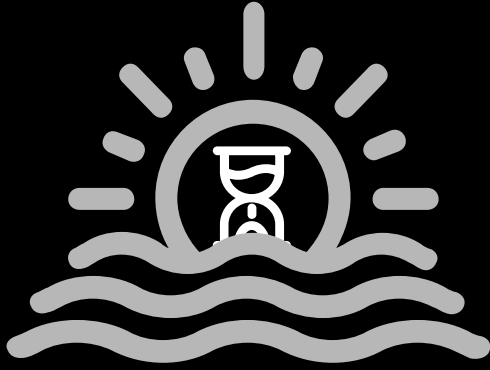
 **KEEP SECRET:**  -1  +2  +1  1

Create an international lithium recycling organization supporting sustainable product design and recycling infrastructure globally.

 **KEEP SECRET:**  +1  +1  -1  1

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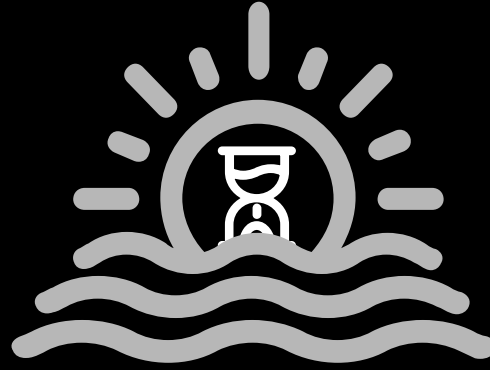
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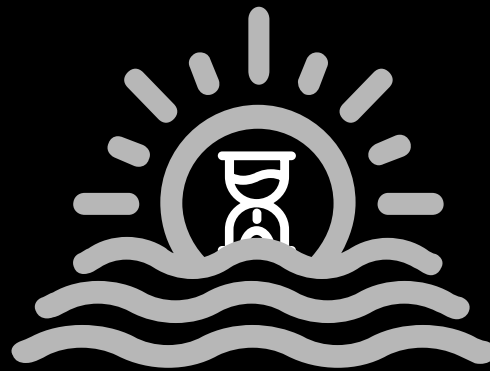
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A large dam near one of your country's iron mines fails, resulting in a major ecological disaster as the 100 million tons of mud and toxic waste enter the nearby waterways. This destroys the local ecosystem and pollutes the drinking water of several highly populated towns.

Borovirus, a Mad Cow Disease variant, has swept through livestock farms in your country, decimating national supply of dairy and beef products.

CHOOSE ONE:

Provide government assistance to the impacted area, providing clean drinking water, resettlement packages, and financial assistance. Enact stricter safety regulations on the mining industry.



Fund activist groups that protest mining companies and engage in peaceful but disruptive action that continues to draw attention to the ecological crimes of mining companies and the need for community owned mining cooperatives.



CHOOSE ONE:

Scale up production of alternative meats such as rabbit, goat, and deer meat.

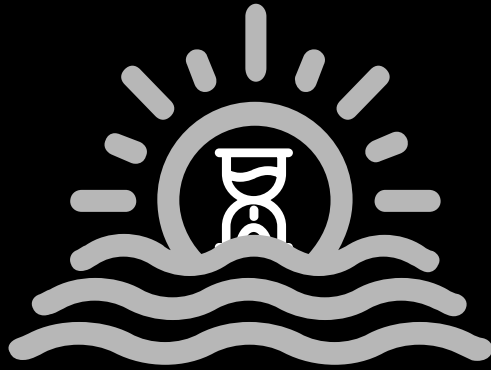


Require strict testing requirements of all dairy and beef and distribute financial aid to farmers during the crisis.



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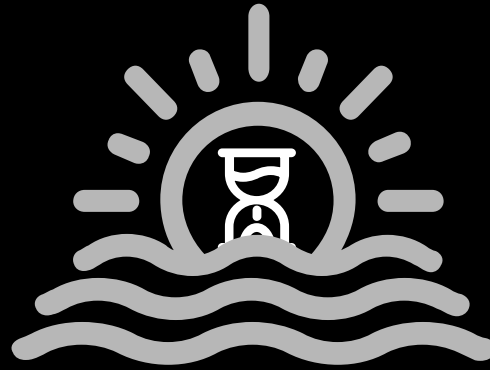
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The global shortage of semiconductors has led to many countries implementing protectionist policies to secure supply. This has caused a ripple effect on the electronics industry and is impacting consumers worldwide who face longer wait times and higher prices for electronic devices.

CHOOSE ONE:

Work with industry to invest in e-waste recycling infrastructure and launch a campaign to increase recycling rates.



Invest in alternative semiconductor production using corncobs, wood pulp, cotton, and tomato peels to generate micro particles or nano-scale particles capable of extracting rare earth minerals.



The countries of Oz and Qumar, neither of which are your allies, are competing to invest in Genovia's lithium mines. Your country is reliant on Genovian lithium, and this investment could impact control over the global EV battery market.

CHOOSE ONE:

Encourage international collaboration with Oz and Qumar through educational exchanges and friendly trade policies in order to minimize geopolitical tensions over critical minerals.



Diversify by increasing domestic production of sustainable biofuels and promote a national identity that prioritizes resource conservation. At the same time create trading blocs for EV batteries and their components.



The KEEP Act, a recently enacted federal ban on Guilder, Gondor, Carnelia, or San Escobar buying your nation's agricultural land, raises concerns about the impact on global food chains.

CHOOSE ONE:

Propose an addendum to the KEEP Act that would enable the purchasing of farmland up to certain limits and with a well-defined exit strategy should domestic food security issues arise.



Ignore the KEEP Act and focus instead on securing domestic food supply by supporting programs that train smallholder farmers and community groups in regenerative farming techniques.



Your neighbor, the Republic of Terra Verde, has approved plans for a new coal-fired power plant, despite local opposition. The proposed plant would be located in a region already struggling with air pollution and deforestation.

CHOOSE ONE:

Encourage international corporate partnerships and investment to accelerate the transition to renewable energy in Terra Verde. Ensure that a certain portion of clean energy jobs in Terra Verde go to Verdian citizens.



Fund local opposition groups on the ground in Terra Verde and limit trade.



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Mining companies in Zandar, a critical source for minerals and metals, have been competing fiercely for access to resources. The competition has escalated into violent clashes between rival factions, exacerbating the already high rates of gender-based violence in the region.

CHOOSE ONE:

Implement strong regulations in partnership with the government of Zandar and the international community to promote a mining code of conduct.

 **KEEP SECRET:**  -1  +1  0

Buy the mines from the rival factions and protect these assets with a private security force.

 **KEEP SECRET:**  +2  -1  1

Your historical ally, Zamunda, has requested financial backing to help farmers in rural areas build better markets and streams of income. The initiative will provide technical assistance, loans, and market development projects.

CHOOSE ONE:

Invest only in regenerative agriculture and reforestation programs in Zamunda, led by local communities.

 **KEEP SECRET:**  -1  +1  +1  1

Applaud the actions of the Zamunda government and offer nominal aid to enhance mutual benefits.

 **KEEP SECRET:**  +1  -1  0

The rapid increase in demand for electric vehicles has led to a shortage of key minerals and metals, such as lithium and cobalt, which are needed for their production.

CHOOSE ONE:

Draw global attention to the conflict-ridden countries where these materials are sourced from and encourage the international community to intervene in order to bring stability to the region.

 **KEEP SECRET:**  -1  +1  -1  0

Work with resource-rich countries to increase capacity for extraction, while ensuring this is done in an ethical and sustainable manner.

 **KEEP SECRET:**  +1  1

A neighboring food system and your country's primary source of wheat - The Republic of Henan - has collapsed due to ongoing war with an invading nation. Your country's population is now increasing due to the influx of refugees, while your food supply chain has significantly stalled.

CHOOSE ONE:

Fund the scale-up of innovative technologies and food production methods such as vertical farming in urban centers and lab grown meat production.

 **KEEP SECRET:**  +2  -2  2

Focus on increasing the domestic yield of agricultural production through GMO crops and improved irrigation systems.

 **KEEP SECRET:**  +1  -1  1

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With the increased shortages and global demand for baby formula, there is a need to find new sources and develop efficient ways of production while reducing the negative environmental impact.

CHOOSE ONE:

Ration the baby formula to prevent hoarding and reselling and provide free lactation consulting services to all families wishing to breastfeed.



Fund scientists working on new and novel sustainable baby formula production using alternative proteins.



Due to the ongoing effects of climate change, multiple category 5 hurricanes have pummeled the island nation of Corto Maltese, causing severe damage to ecosystems, communities, and agricultural livelihoods.

CHOOSE ONE:

Invest in local communities and develop options for resettlement and monetary aid to rebuild. Work with the insurance sector to create sustainable insurance solutions to protect coastal communities.



Provide food aid to Corto Maltese in addition to technical assistance to shift their farming practices to something better suited to their new environment.



High unemployment and inflation are causing food insecurity for many cities. With limited space and resources, vertical farming, hydroponic farming, and community gardens are becoming popular options but aren't scalable.

CHOOSE ONE:

Decrease the number of food deserts by increasing access to healthy, locally grown food through food programs for low-income residents such as food pantries and free school lunches.



Work with established groups within the city to place free food fridges on every block and reclaim unused space and empty lots for urban food production.



As automation and AI continue to replace human jobs, the potential for widespread unemployment and income inequality grows.

CHOOSE ONE:

Invest heavily in new industries that are not yet automated, such as green energy, space exploration, and healthcare.



Invest in skills-based education and vocational training programs to prepare individuals for the changing job market.



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Artificial intelligence is introducing biases and discrimination in law enforcement and distribution of social services, including food stamps.

CHOOSE ONE:

Integrate sentiment analysis and tracking from personal devices into government decision making to ensure that those who need help are getting it. For example, food is sent to you based on perceived need.

KEEP SECRET: +2 -2 3

Invest in ethical AI research to develop AIs that can police other AIs and ensure a fair distribution of resources.

KEEP SECRET: +1 2

Global polarization and extremism threatens the stability of democracies worldwide. The spread of hatred and division is preventing climate action.

CHOOSE ONE:

Encourage local community engagement, grassroots organizations, and domestic leadership to facilitate cross-group dialogue and promote inclusive governance on the local level.

KEEP SECRET: +2 2

Create a program that requires all college graduates to participate in two years of service ensuring that different groups of people meet, interact, and work together for a common goal in order to combat extremism and isolation.

KEEP SECRET: +1 +2 -1 3

The increasing popularity of online shopping has led to a surge in plastic packaging waste, contributing to environmental degradation. We need to find sustainable solutions to reduce plastic waste and promote eco-friendly packaging alternatives.

CHOOSE ONE:

Mandate stricter regulations on plastic packaging and use the internet of things to monitor trash production on a corporate level.

KEEP SECRET: -1 +2 +1 -1 0

Develop and scale edible and compostable packaging as well as packaging that can be reused in innovative ways such as biofuel.

KEEP SECRET: -1 -1 +2 1

The idea of space colonization is gaining traction, and individual governments seek to secure the supply chains of critical materials needed for building their colonies. The Intergalactic Council, of which you are a member, is attempting to keep the peace.

CHOOSE ONE:

Organize an International Space Olympics to incentivize cooperation and collaboration among factions and boost space tourism.

KEEP SECRET: +1 +1 2

Mandate local sovereignty on our piece of space, securing it through defensive means. Continue to invest heavily in the space program with a focus on extraction and preparation for colonization.

KEEP SECRET: +1 -1 -2 +1 1

SHOCKS TO THE SYSTEM

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SHOCKS TO THE SYSTEM

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SHOCKS TO THE SYSTEM

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Repeated extreme flooding threatens the densely populated coastal cities of Daevabad. This poses an immediate risk to the life and livelihoods of millions.

CHOOSE ONE:

Provide domestic climate migrants with resettlement packages to move to more resilient areas. Give food a carbon score and price it accordingly, encouraging the consumption of newer, more resilient products.

KEEP SECRET: +2 +1 -2 1

Invest in floating ocean cities that are able to house thousands of people, harness green energy, and self-sustain through ocean agriculture.

KEEP SECRET: +2 -2 2

Your country is short 3 million workers, half of whom are needed in the agricultural sector. As a result wages have been pushed higher and inflation is on the rise.

CHOOSE ONE:

Support the degrowth movement and advocate for living wages for all workers. Circumvent inflation through mutual aid and community based resource sharing programs.

KEEP SECRET: -2 +1 2

Support the rapid scale up of automation in all sectors, but particularly agriculture.

KEEP SECRET: +2 -1 1

An international terrorist organization has hacked the marine vessel data system used by the Xanama Canal causing the pileup and stalling of over 700 container ships. It is now day 10 of this disaster.

CHOOSE ONE:

Direct your efforts towards tracking down the group responsible for the attack and bringing them to justice.

KEEP SECRET: +1 +1 1

Support global efforts to mitigate the impact on critical populations such as those facing shortages of life-saving medication.

KEEP SECRET: -1 +1 0

San Madiero, the largest supplier of the world's Lithium is nationalizing its Lithium industry.

CHOOSE ONE:

Secure sustainable and ethical lithium mines in other parts of the world, ensuring your own supply.

KEEP SECRET: +1 -1 0

Fund and support the opposition government, who would undo this policy and who will ensure that lithium exports remain plentiful.

KEEP SECRET: +1 -2 2

SHOCKS TO THE SYSTEM

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A large dam near one of your country's iron mines fails, resulting in a major ecological disaster as the 100 million tons of mud and toxic waste enter the nearby waterways. This destroys the local ecosystem and pollutes the drinking water of several highly populated towns.

CHOOSE ONE:

Launch a class action lawsuit against the mining company for the wrongs they have committed and seek compensation for the local community.

KEEP SECRET:  -1  +2  1

Use nanoparticles to clean up the toxic waste and degrade pollutants in the waterways. Depopulate and rewild the affected area until it has been fully restored.

KEEP SECRET:  +2  -1  2

Borovirus, a Mad Cow Disease variant, has swept through livestock farms in your country, decimating national supply of dairy and beef products.

CHOOSE ONE:

Invest in plant-based dairy and protein production and marketing campaigns, focusing on areas with traditionally the highest levels of dairy and meat consumption.

KEEP SECRET:  -1  +2  -1  0

Import and quarantine livestock from surrounding nations, buying their agricultural land if needed.

KEEP SECRET:  +1  -1  1

SHOCKS TO THE SYSTEM

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Situation:

CHOOSE ONE:

Choice One:



Choice Two:



Situation:

CHOOSE ONE:

Choice One:



Choice Two:



Situation:

CHOOSE ONE:

Choice One:



Choice Two:



Situation:

CHOOSE ONE:

Choice One:



Choice Two:



BLANK CARD

CREATE YOUR OWN



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BLANK CARD

CREATE YOUR OWN



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BLANK CARD

CREATE YOUR OWN



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CREATE YOUR OWN



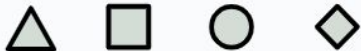
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**Your mission is halfway complete. Proceed accordingly
for your Trajectory Benchmark Evaluation:**

1 Review the choices you have made in response to the Shock cards you have encountered.

2 Total the your number of each of the following Trajectory Indicators, which you will find on each card's left lower quadrant:



3 Note the symbol chosen most often as your Dominant Trajectory. If there is a tie between multiple symbols, note whichever was chosen most recently.

4 Draw and read the associated Trajectory card to learn your timeline's Dominant Trajectory, and follow the steps on that Trajectory card.

TRAJECTORY BENCHMARK EVALUATION

Timeline
18Σ67ΩB



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Timeline 18Σ67"ΩB is currently on the "Compete and Retreat" trajectory.

You are on the "Compete and Retreat" trajectory.

This is a future where nationalism is on the rise.

There is a collapse of globalization, and a spread of fragmented regional alliances.

People believe that there isn't enough to share, and we must protect what we have in order to survive.

Review your choices, including the objectives and mindsets that influenced them.

Determine together if this is the trajectory you want your timeline to follow.

Once you have concluded your Trajectory Benchmark Evaluation, you may continue your mission.

Timeline 18Σ67"ΩB is currently on the "Disciplined" trajectory.

You are on the "Disciplined" trajectory.

This is a future where there is increased use of technology and government surveillance.

People believe that greater control is needed to secure their public health, safety, and security.

There is a high importance placed on maintaining growth and globalization in order to survive.

Review your choices, including the objectives and mindsets that influenced them.

Determine together if this is the trajectory you want your timeline to follow.

Once you have concluded your Trajectory Benchmark Evaluation, you may continue your mission.

Timeline 18Σ67"ΩB is currently on the "Transform" trajectory.

You are on the "Transform" trajectory.

This is a future where the zero carbon transition is accelerating.

Models such as doughnut economics and stakeholder capitalism are becoming mainstream.

People are changing how they see themselves in relation to nature, and see connections between planetary and human health as essential to survival.

Review your choices, including the objectives and mindsets that influenced them.

Determine together if this is the trajectory you want your timeline to follow.

Once you have concluded your Trajectory Benchmark Evaluation, you may continue your mission.

Timeline 18Σ67"ΩB is currently on the "Unsettled" trajectory.

You are on the "Unsettled" trajectory.

This is a future where continuous discontinuity from cascading events and crises lead to the realization that there will never be a new normal.

The world is extremely strange and volatile.

People think we are in a period called "the great weirding," and that we need radical resilience, adaptability, and intuitive opportunism to survive.

Review your choices, including the objectives and mindsets that influenced them.

Determine together if this is the trajectory you want your timeline to follow.

Once you have concluded your Trajectory Benchmark Evaluation, you may continue your mission.

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TRAJECTORY

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18Σ67ΩB



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TRAJECTORY

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TRAJECTORY

Timeline
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ON YOUR TURN:

- 1 Draw one Shock card
- 2 Read aloud the Shock and two choices
Don't read aloud the KEEP SECRET section
- 3 Discuss with your team
- 4 Come to a consensus (or majority vote)
- 5 Document your choice
Recommendation: a paperclip on the chosen option
- 6 Share card with your team
- 7 Resolve impacts by moving tracking token on sector indexes 
- 8 Resolve RISK by placing indicated number of ice cubes into the water glass 
- 9 Set card aside
- 10 Rotate Taskforce Chair Left

Welcome, members of Timeline 18Σ67ΩB, to the Shocks to the System Taskforce!

- 1 In front of you are multiple timelines containing future pivotal moments that have the power to change the course of humanity. Country and regional names have been altered for your protection, as, according to historical record, time travelers are not treated well in your timeline.
- 2 On today's mission, you will direct the decisions made en masse by world leaders, influential stakeholders in multinational economic powers, and the general populations of various societies.
- 3 You have been entrusted with this responsibility because our advanced probability metrics indicate that doing so will increase the likelihood that humanity will align itself on a trajectory of transformation.
- 4 Change is coming - that, we cannot change. But we can change our mindsets, and in doing so, prepare to respond to future shocks to the systems of our world.

Proceed to review Mission Guidelines.

Please review the following guidelines prior to beginning your Shocks to the System mission.

- 1 Firstly, we are pleased that you are joining us for the 31st iteration of today's mission. We are certain you'll do better than Mission 30!
- 2 As a reminder, a successful mission:
(A) Addresses at least 16 Shocks to the System;
(B) Keeps RISK below maximum capacity; and
(C) Follows the Transform trajectory.
- 3 Your Trajectory Benchmark Evaluation will occur approximately halfway through today's mission.
- 4 If RISK capacity is exceeded, see envelope labeled EMERGENCY PROTOCOLS.
- 5 The first Taskforce Chair is whomever traveled farthest to arrive at the geographical location of today's mission. Please take the deck and follow the Taskforce Chair Procedures.

Have a good time(line)!

Mission Guidelines

Timeline
18Σ67ΩB



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TASKFORCE CHAIR

PROCEDURES



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Welcome Members of

Timeline
18Σ67ΩB



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