"Into the new world"
Ekaterina Dmitrieva

The image that I have created with the help of artificial intelligence depicts the world divided into two opposite sides. It shows an evident contrast between the two halves of the world, one displaying the world before getting rid of waste colonialism and the other afterwards. Therefore, I've named it "Into the new world". In my opinion, the image nicely illustrates the possible outcomes of our actions and choices regarding the global waste trade, and the need for a more sustainable and circular economy. This image aims to highlight the detrimental effects of this lack of concern for the environment, as it showcases polluted landscapes, overflowing landfills, and endangered wildlife. On

the other hand, the left side demonstrates an ideal world that serves as an inspiration for us to strive towards a future where waste is seen as a valuable resource rather than a burden on our planet.

As for the contents of the picture, the left side is supposed to portray the world, where the global waste trade takes place and nations do not strive to improve the environmental situation. That is to say, such a poor condition of the depicted nature and environment is a result of an absolute form of waste colonialism and global waste trade, where the authorities and the heads of the waste management industry do not take into consideration anything except for the monetary benefits. Consequently, the world is on the verge of collapse, and one can hardly imagine living in such conditions, as everything seems hopeless and it feels like the Earth is deserted. As for the right side, you may notice that the colors are flashy and saturated, as opposed to the left side, which makes us a bit depressed with its gloomy palette. Nature is thriving, and the world seems very clean and pristine. The right side is supposed to portray our world after waste colonialism is defeated, along with the global waste trade phenomenon being either abolished or heavily improved to be more ethical and environmentally friendly. To my mind, it shows that our society, especially the authorities, have learned from the past mistakes and started to work together towards a better future for the sake of our planet. I can imagine that humans have understood that we are stronger when we cooperate with each other and care about one another. Therefore, instead of exporting the waste, developed nations are investing in creating their own waste management facilities, so there is no need to pollute developing countries anymore. Besides, the countries of the global South have banned imported waste for the sake of local populations' health and the local environment and nature because they have realized that no economic benefits are worth their nations' well-being. Moreover, the developed countries now also have the opportunity and capacity to help other countries by investing in their waste management industry and exchanging experience and knowledge with each other in order to achieve a better future for all people together. Back to the contents, you can see an orange truck on the right side of the picture. To me, it symbolizes the successful development of waste management facilities that can now keep up with the amounts of waste being produced, as the scientists might have developed some new innovative methods of recycling. You may also notice that the houses on the right side of the picture resemble different kinds of solid waste that used to be a big problem. However, I see it as a metaphor for learning how to cope with waste and how to make the best of it within the framework of the circular economy, that encourages finding

value in waste and turning it into useful resources that will surely contribute to our sustainable future.

The thought that I had in my head before creating the artwork was to convey the idea of abolishing waste colonialism and creating a new world where there is no global waste trade, no waste colonialism, and no discrimination against developing countries anymore. Instead, there will be a collective effort to improve the planet's environment and secure the future of the coming generations all over the world. In my opinion, this art piece has turned out really well and succeeded in conveying my idea to the art shape. It is my hope that this piece sparks conversations and inspires individuals to take action towards a more sustainable and equitable future. Given the significant effects the global waste trade has on developing countries' economies, environments, and health, I find it disappointing that there isn't more discussion of this issue in our society. Through art, we can challenge the current situation and envision a world where waste colonialism is removed, fostering a global community that prioritizes environmental protection and social justice.

„*Green Supply Chain Management*»
Fuseini Mohammed

PROMPT:

Show a scene where a sustainable supply chain is integrated into various industries, showcasing how Green Supply Chain Management (GSCM) reduces environmental impact, and ensures a greener, more responsible, and economically viable future. Use compelling imagery to convey the idea that GSCM is a step in the right direction toward a sustainable world.

"E-commerce vs Brick-and-mortar retailing"
Jonas Schöcklmann

To create the prompt, I wrote an abstract of the paper to refine it and have a short version that is easier to overlook. I determined key words and phrases I wanted in the abstract and extracted the most important parts into the prompt. My main focus for the AI picture was my solution and especially, what could happen if we ignored these issues, while depicting a bleak outlook for the future. "Climate change is one of the most important issues of our generation, it affects and will affect millions of people all around the world. The paper shows that retailing has a big effect on climate whether its brick-and-mortar or

e-commerce. Emissions are of major concern, the main ones are packaging, transportation and returns. E-commerce and brick-and-mortar each face different challenges when it comes to emissions, so there is not one solution that addresses all issues together. Another crucial factor with retailing is waste, which affects the climate and the health of ecosystems. As an approach for the future, just solving one issue isn't enough so this paper posed a three-pronged solution, focusing on waste, returns and transportation. A recycling system for packaging, increasing return costs and making the last mile delivery for customers more accessible by public transportation. The idea is to have three smaller solutions that in turn have a big effect on the climate while only affecting the individual consumer in a minimal capacity."

The prompt I came up with from this is the following: "man on bus, retail store, surrounded by waste, emissions in the background". The ai tool used was Bing Image creator by Microsoft. It shows that in order to make progress towards a more ecofriendly retail landscape only fixing one issue is not enough and it shows the three most crucial factors determined by my paper.

„ICLEI – Local Governments for Sustainability: The Role of Cities in Global Environmental Governance"
Sahani Sulakshana Meegama Arachchilage

PROMPT:

"Create a detailed and vibrant digital painting that visually represents the theme of 'ICLEI - Local Governments for Sustainability: The Role of Cities in Global Environmental Governance.' The artwork should feature a diverse tapestry of urban landscapes from various parts of the world, showing a harmonious blend of green spaces and modern city infrastructures. Include symbolic elements like solar panels, green roofs, public parks, and sustainable transportation (like bicycles and electric buses). In the foreground, depict a diverse group of people - city planners, local government officials, and citizens -collaborating around a large, glowing globe that symbolises global connectedness and environmental stewardship. The atmosphere should be optimistic and forward-looking, highlighting a sustainable, eco-friendly future. The colour palette should be rich and earthy, with prominent greens, blues, and warm earth tones, reflecting a balance between urban development and environmental conservation."

„Global cities as nodes of the world economy"
Vargese Eldho

The Earth is in the heart of this alluring picture, surrounded by a web of vibrant international cities represented as the global economy hubs. Aerial views of striking cityscapes emerge from the terrain, illustrating the complex relationship between urban growth and the environment. Lush bushes surround these energetic metropolises, signifying the significance of sustainability and the fine balance required to live in harmony with the natural world. Radiant light beams highlight the benefits of sustainable activities and provide a bright outlook for the future. The picture is filled with iconography that represents these global cities' dedication to environmental responsibility. These symbols include recycling,

renewable energy, and green technologies. When combined, the components of this picture depict a future in which vibrant cities act as sustainable lighthouses.

„Global Players / transnational corporations:
their role in a globalized economy and in the context of sustainability"
Abdullah Al Nayem

Prompt: Bangladesh garments industry letting pullulated water into the river to let die the fish and the crops of poor farmers

The idea was environmental damage because of transnational corporations (TNCs). I was trying to explain, that their initiative was not enough to recover their impacts that they`ve already done with. In my essay I talked about the clothing industry and their initiative but because of such mass production, one particular area is affected very much

– as our Bangladesh's industry produces clothes for all over the world. So the environment there and the people living nearby pay the price.

I think the topic and the essay talks about TNC's impact in the context of sustainability and their initiatives and I try to explain how difficult and complex the whole situation is now. By showing this image I try to exaggerate the importance of of being more sustainable and to take better steps.

„Small farmers in developing countries: Winners of fair trade?”
Barnabas Nnamani

In my essay, I highlighted the strong effect of Fair trade practices on small-scale farmers within developing countries and stressed that ethical consumerism has to be taken into account in relation with climate change.

Based on my research, I have visualized these themes through an AI generated work of art. In order to do so, I created a comprehensive prompt for the AI tool DALL-E that generates images of high quality from text descriptions.

I prepared the prompt from the summary of my essay, focusing on how fair trade policy can enrich small-scale farmers. The contrast between rural agrarian living and urban commercial success was important for me to depict the revolutionary effects of fair trade in developing nations as both a factor towards sustainable global commerce.

The prompt used for generating the artwork:

"I want a wide-format, highly detailed and vibrant illustration that visually synthesizes the key concepts from my essay on fair trade. The artwork should show a harmonious blend of lush, green farmlands and modern cityscapes in the background, symbolizing the financial success of small-scale farmers due to fair trade. It should include imagery of farmers using advanced agricultural technology, engaging with symbols of global trade, and featuring fair trade products like coffee, tea, and chocolate. Additionally, the scene should subtly incorporate elements that represent ethical consumerism and the positive

impact of fair trade on climate change mitigation. I aim to emphasize the balance between rural agricultural life and urban economic prosperity, reflecting my conclusions about fair trade's transformative power".

„Green growth: Major trends, visions and first solutions in the transition to a low carbon/green economy"
Adam Benes

The figure illustrates the concept of green growth with focus onthe transport and energy sectors of the European Union, showing the sources and impacts of carbon dioxide emissions and the possible solutions and benefits of innovative technologies and strategies. The picture is a kind of map with different types of transport and energy sources such as cars, trains, ships, planes, solar panels, wind turbines, nuclear reactors, coal-fired power plants and gas electric wire lines. It shows the different paths Europeancountries can take to achieve the stated goal of decarbonising the energy sector. France, for example, has

a large share of nuclear power, while Poland is heavily dependent on coal.The picture highlights the challenges, opportunities, and benefits of green operations, reducing dependence on gas and oil imports from politically unfriendly or unstable countries and ensuring a stable, secure and reliable energy supply without the influence of weather.

Purpose of this paint is also to show some of the possible ways to reduce CO2 emissions and promote green growth. For example, by improving transport efficiency, increasing the share of renewable and nuclear energy, promoting research and innovation, introducing green taxes and incentives, cooperation between countries and regions, and raising public awareness and engagement.

The summary of the figure and the whole seminar paper is to show that green growth is not only a certain necessity, but perhaps also an opportunity for a better and more sustainable future for all of us.

„Post fossil mobility. Types, necessity, opportunities, and problems”
Aleksandra Galtsova

The efforts to reduce the environmental impact of transportation include a shift towards renewable and low-carbon energy sources. This suggests the promotion of electric vehicles (EVs), biofuels, and other alternative fuel types.

Ongoing advancements in technology, such as the development of electric vehicles, autonomous vehicles, and improved fuel efficiency, aim to reduce the environmental footprint of transportation.

The rising expectations in favor of hydrogen as a means of replacement the fossil-based fuels by pollution-free energy are yet to solve the problem of emission-free hydrogen production and transportation. This high-end technology and complexity level is still in the early stage of its development and requires investment of money, time and technology, testing and adjustment to mass mobility market, and operational expenses reduction in order to gain mass application in practice.

Hydrogen holds immense potential as a clean and versatile fuel source, offering a pathway to a more sustainable energy future. However, addressing the challenges associated with production, storage, transportation, cost, and infrastructure is essential for realizing this potential. Governments, industries, and researchers must collaborate to overcome these obstacles, driving innovation and creating an enabling environment for the widespread adoption of hydrogen as a key player in the global energy transition.

Encouraging walking, cycling, green public transport, and shared vehicle use, cities can become less reliant on traditional and personal transport. This can be done with good urban design, behavior change, advanced technology, supportive policies, economic incentives, public leadership, and city engagement.

Prompt Keywords: renewable and low-carbon energy sources, electric vehicles, advancements in technology, pollution-free energy, high-end technology, sustainable energy, clean, innovation, walking, cycling, green public transport, good urban design.

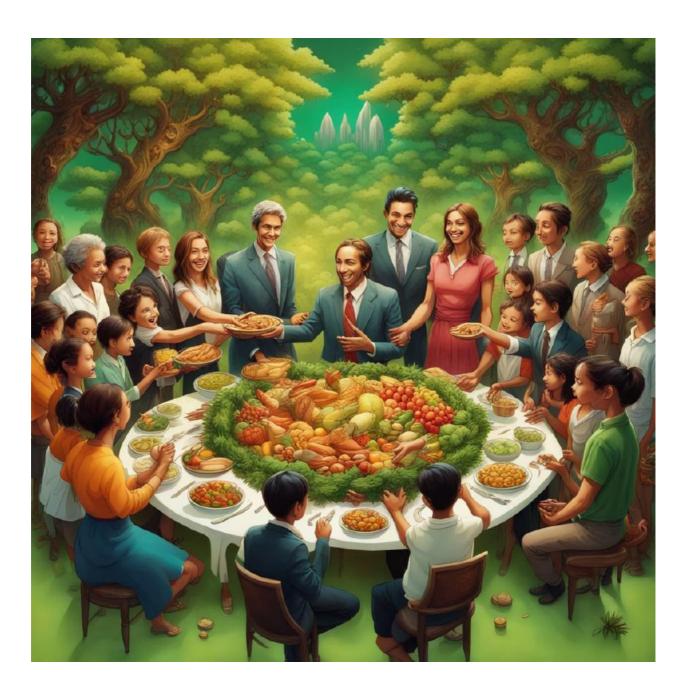## „Eco-Economic Symphony: Harmony Amidst Change"
Sarah Zaibe

The canvas in "Eco-Economic Symphony: Harmony Amidst Change" is vibrant with the contrasting hues of environmental upheaval and economic adaptiaton. The piece depicts the complex relationship between rising CO2 emissions and their significant impact on global economies. On one side, vibrant reds and oranges depict the disruptive forces of extreme weather events, which are represented by tumultuous storms and disrupted trade routes. These elements highlight the challenges that economic systems face in the wake of climate change.

Amidst the chaos, a contrasting palette of cool blues and greens depicts the emergence of opportunities. The canvas depicts the potential economic pathways generated by the NSR as a tapestry of melting Arctic ice opening up new trade routes. Clean energy technologies and policies are represented by luminous bursts of light and intricate palerns that weave throughout the artwork, symbolising the strategies required for resilience and the transition to a low-carbon global economy.

The artwork is a symphony of contrasts and complexities, inviting viewers to investigate the relationship between environmental changes and economic adaptations. It encourages reflection on the importance of addressing climate change challenges while also acknowledging the potential for novel solutions to harmonise the world's ecological and economic landscapes.

„Healthy lifestyle? Sustainability? Economic well-being?
Experience it with SFSCs!”
Ann Vivienne Marton

Short Food Supply Chains (SFSCs) have multiple benefits and are more sustainable than long Food Supply Chains, with mere exceptions like the „pick-your-own" alternative. This alternative can have a quite large emission amount depending on how many people travel there and if they travel by car or an environmentally friendly transportation mode. But mostly, SFSCs are the better option for people and our planet. SFSCs face a lot of challenges and barriers. Among them, an inefficient distribution, limited production availabil-

ity, often higher costs of production and a more limited marketing range. These restrictions, make it quite hard for SFSCs to develop faster nationwide. Not only are SFSCs having difficulties with the listed above, but they also have to compete with already very well-established and standardized food supply chains and their sales channels and competitive prices. Most of consumers still orient themselves often by only the purchasing price of a product, even though a rise in consumer awareness regarding their food-related health is being noted. Also, most consumers are very time-oriented and do not want to travel a longer distance to get to the next Farmer`s Market, where they could buy seasonal, fresh vegetables and fruits for example. Initiatives to shift the marketplace to locations like a student campus where the young generation can be informed about the alternative are being discussed heavily and tried to be implemented. Because of the lack of information people have about SFSCs, it is most critical that knowledge is spread out to every social group, especially the younger generations who are the future decision-makers of our food system and who have the power to change certain things or erase problems for SFSCs. One thing is sure, the digital presence of this topic must be activated immediately for our internet and social media generation to grasp this new trend. The overall challenge of scaling up remains the topic for SFSCs in the next years. And again, SFSCs are the superior way of producing, distributing and marketing food, because of huge social, economic and ecological benefits. Socially, they enhance the relationship between producers and consumers by creating immense value in the supply chain. Now, there are certainly all kinds of different strategies developed by government departments for example the Farm2Fork Strategy by the European Union, but also community-supported agriculture (CSA). By addressing the carbon footprint and implementing measures to prevent emissions from rising, the future for the potential of scaling up SFSCs is more and more practically realizable.

With the AI tool „Night Cafe" it was possible to generate a picture with the following prompt: „Children, women, men and businessmen are standing around a table. The people are handing food over to each other around the table in a circle. Behind the table is the green world with lots of trees and nature. Everyone is smiling. In the centre is the world."

„Foreign Direct Investment – economical, ecological, and social impacts in target countries"
Linh Vu Thi Khanh

<u>Prompt:</u> Digital painting. A green field. A forest. New white factory built on the green field. The factory is next to the river. The factory is disposing of air pollution. The factory also polluted the water. The water is dark in color.

„LoopLife"
Muhammad Ammar

Description of the Artwork:

In this captivating artwork, the narrative unfolds with a familiar scene of someone casually drinking water from a plastic bottle—a daily act for many of us. As the story progresses, it takes a transformative turn, shifting to the post-consumption phase. The artwork skilfully illustrates the recycling journey, wherein the plastic bottle undergoes a remarkable metamorphosis, finding new life as building material. This process is presented with meticulous detail, showcasing the cycle of using, recycling, and reusing. The artwork's seamless

flow visually emphasizes the cyclical nature of the circular economy. The discarded plastic bottle transforms into a burst of colours, symbolizing the diversity and vitality achievable through recycled materials. The colour palette serves as a reminder that eco-friendly choices can infuse life and energy into our world. Going beyond the recycled material, the composition cleverly integrates it into architectural landscapes. This integration is a visual representation of the larger concept – envisioning a world where waste contributes to constructing remarkable structures. It suggests a paradigm shift, not only in individual habits but also in entire industries. The thoughtful arrangement encourages viewers to contemplate their role in the consumption and disposal cycle. It serves as a catalyst for discussions on how individual choices can positively impact the environment, urging us to be active contributors to a sustainable future.

<u>Prompt given to the AI:</u>

Illustrate the concept of circular economy through a visual narrative. Begin with a scene depicting an individual using a plastic bottle for water consumption. Transition the narrative to showcase the post-consumption phase, where the plastic bottle is recycled and transformed into building material. Emphasize the cyclical nature of this process, highlighting the journey from consumption to recycling and reuse. Use vibrant colours and thoughtful composition.

"Corporate Social Responsibility in the context of sustainable development"
Badruddin Ahsan

<u>Prompt:</u> CSR and sustainable development require a comprehensive and integrated approach that aligns business goals with environmental and social needs, and that leverages the potential of innovation, cooperation, and value creation (uses DALL-E).