

# **Genervision Cape**

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### The Story of Engebei

Desertification, known as the "Earth Cancer", threatens the survival and development of two-thirds of the world's countries and regions and one-fifth of the world's population. China is also one of the countries with the most serious desertification in the world, with 27.33% of its land area covered by desertification.

However, in the most barren and hopeless land, oasis miracles can still appear.

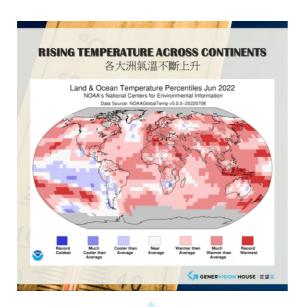
Engebei is one such miracle.

Scan the following QR code to listen to the story of Engebei:

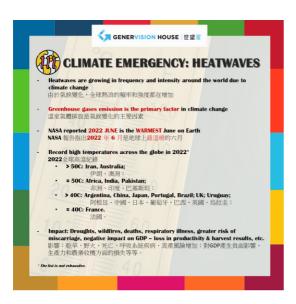


# **Featured Articles**

### **Climate Emergency: Heatwaves**



Greenhouse gas emission leads to global warming and exacerbates climate change. Temperatures across countries are at record high in 2022. All living forms are under threats and the call for climate action is urgent (UNSDG Goal 13).

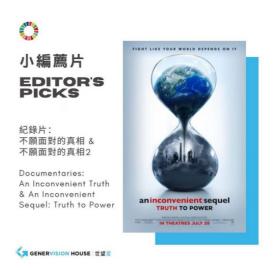


### **Editor's Picks: Documentaries**

# An Inconvenient Truth & An Inconvenient Sequel: Truth to Power

While we stay home during this particular period of the pandemic, we can try to make the best out of the time to gain a better understanding of what is happening in the world. Here are two documentaries that we recommend that you and your family can watch together:

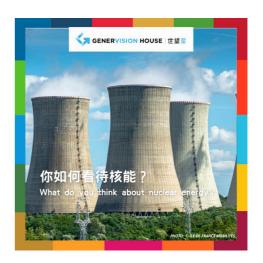
- 1. "An Inconvenient Truth" is a 2006 documentary about climate change directed by Davis Guggenheim, which focuses on former United States Vice President Al Gore's campaign to educate people about global warming.
- 2. "An Inconvenient Sequel: Truth to Power" as the sequel to "An Inconvenient Truth" (2006), addresses the progress made to tackle the problem and Gore's global efforts to persuade governmental leaders to invest in renewable energy, culminating in the landmark signing of 2016's Paris Agreement.



### What Do You Think About Nuclear Energy?

After the Fukushima nuclear accident in Japan, there are obvious differences between countries in the world on "abandoning nuclear or pro-nuclear".

Since the EU proposed the carbon neutrality goal in 2019, member states have basically agreed on the issue of coal withdrawal, but there is still controversy over the development of nuclear power. The European energy crisis broke out last year, superimposed on the conflict between Russia and Ukraine this year, oil and gas and electricity prices have soared, and the voice of coordinating carbon neutrality and energy security goals is getting louder and louder, and many countries have adjusted their nuclear power development policies.



For example, as the country with the highest proportion of nuclear power in the world, France announced that in order to ensure energy independence and carbon neutrality, France will revive the nuclear power industry; in December last year, the Netherlands put the development of nuclear power back on the agenda, planning Two new nuclear power plants were built; in March this year, Belgium announced that the plan to abolish nuclear energy in 2025 would be postponed for 10 years; in April this year, the United Kingdom announced that it will build 8 new nuclear power plants by 2030 to ensure stable economic and social operation. It can be seen that in the face of challenges to energy security, many European countries are increasingly relying on nuclear power.

At the same time, Germany, the staunch "denuclearizer" in Europe, also wavered for a while. After the Fukushima nuclear accident, Germany announced the phase-out of many old nuclear power facilities and plans to completely shut down nuclear power plants by the end of 2022. So far, there are only three nuclear power plants left in Germany. However, due to factors such as soaring natural gas prices and insufficient offshore wind power generation last year, Germany experienced a severe power supply shortage and had to restart some coal-fired power generation.

According to reports, in order to get rid of its energy dependence on Russia, Germany has also considered adjusting the nuclear power shutdown policy to extend the service life of existing nuclear power plants, but after weighing the pros and cons, it still chooses to insist on giving up nuclear power. In 2021, nuclear power will account for 11% of Germany's total power generation. The withdrawal of nuclear power will undoubtedly further exacerbate German energy security risks. On June 19, Germany announced an emergency bill to delay decommissioning and restart about 10 million kilowatts of coal-fired power units to reduce natural gas consumption and alleviate energy shortages. This also means that Germany's greenhouse gas emissions will further increase in the context of denuclearization.



### Tesla Kicked Out Of The S&P 500's ESG Index

S&P Dow Jones Indices declared removing Tesla's stock from its ESG index on the 18th of May. Reasons for the removal include the company's lack of low carbon strategy and business conduct standard, suspected racial discrimination in factories, poor working conditions and improper handling of injuries and deaths involving their self-driving system. The electric vehicle's giant saw its stock plunging for 8%, leading to a \$12,3 billion wipe-out of its CEO Elon Musk's fortune a day.

There are usually three types of reaction heading on news regarding the stock market. First, you might just ignore it. Second, you see the implications. Third, you pretend to see the implications because it is shameful the opposite.





So, what we have got for you in this article isn't the news itself, but rather trying to guide you to understand it



## 標普ESG指數 S&P ESG index

如果你有興趣知道澳門18-26歲這個年 齡層的平均體重,你可以在每一個堂區 隨機抽出小部分這個年齡層的人,然後 將他們的體重加總再除開。你得出的數 字就是一個指數。所以指數的目的就是 讓你粗略地窺小知大, 從一小部人中估 算澳門這個年齡層的平均體重。

Macau, one way to do it is by randomly selecting a portion of population from this age group in every parish. Taking the average of that and you will obtain a number, in fact, it is an index. Therefore, the purpose of an index is to get an estimate of the

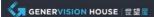


標普指數是一個股票市場的指數,換言之即是以 一部分公司的股票表現去估算整個股票市場的情況。 標普(標普道瓊指數公司)就是提供這個指數的企業。

The S&P index is a market index whose implication is the difference being the measured object now has changed to



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傳統上一家企業成功的定義就是盈利,賺到錢就證明業務有存在價值。 但近年來Facebook用戶數據被濫用、德國Volkswagen (大眾汽車) 廢氣排放舞弊及BP(英國石油公司)墨西哥灣漏油等事件令社會明白 一家企業的價值並不能只用盈利能力去決定。

Conventionally, profitability determines the success of a company. Being profitable means your business is welcomed by the consumers. Nevertheless, the society has been taught by incidents like Facebook-Cambridge Analytica data scandal, Volkswagen dieselgate scandal and BP oil spill to not evaluate companies by profitability alone.



#### 普ESG指數 S&P ESG INDEX

ESG分別代表 Environmental(環境)、Social (社會)和 Governance (管治)。 ESG 象徵着另一種看待企業的視覺,亦即是企業對環境造成的影響、對待客戶及 員工的方式及內部監控系統的運作。換言之,ESG以社會貢獻的角度去審視企業。

ESG stands for Environmental, Social and Governance. It represents another way of looking at businesses, namely by its impact on the environment, the way it treats its customers and employees and the functioning of its internal monitoring system. In other words, ESG looks at enterprises from the perspective of social contribution.

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#### 標普ESG指數 **S&P ESG INDEX**

一個市場指數要準確反映整個股票市場的情況,最直接的做法就是將市值最大的那 些企業納入指數當中,因為它們對一個經濟體系最有影響力。被納入一個ESG指數 的是那些對社會有正面影響的企業。其主要目的有兩個:一是告訴大眾哪些企業對 社會有貢獻;二是大體反映跟隨ESG準則行商的企業,它們的業務狀況。

In order for a market index to accurately reflect what investors think of the stock market, firms with highest market capitalisation should be included in it. It is because they have huge influence on an economy. And those that are included in a ESG index are the ones that have positive impact on society. A ESG index implies mainly two things: First, which are the enterprises that contribute positively to the well-being of the society. Second, how is the overall performance of firms that include ESG standards into their business.

### 賣綠電並不意味著你是綠企喔!

Even if your business relates directly to renewable energy, by no means it becomes undoubtable in terms of ESG standards



Tesla作為可再生能源的第一推手,在Environmental方面固然無可挑剔,但明顯地 它這次被逐出ESG門外的原因就是在S和G上的不足。

Elon Musk也在Twitter 上回應「Exxon (美國市值最大的石油公司)被標普列為世界 十大在ESG方面最成功的企業,而Tesla 竟然不在榜上。」

As the most prominent promoter of the transition to renewable energy, Tesla has undoubtable

Unsurprisingly, Elon Musk tweeted: Exxon (Biggest U.S petroleum company in terms of market capitalisation) is rated TOP 10 worldwide for ESG, while Tesla didn't make the list.



### How Did The Netherlands Become A Cycling Country?

In Macao, cycling seems to only be considered a leisure activity for family or friends in holidays. However, in the Netherlands, cycling is more than a leisure activity. Bikes are a means of transportation for many Dutch people. Whether you are in a big city or a small town, you can find roads that are closed to cars, but there is always space for bikes. The Netherlands has the highest number of bikes per capita in the world. According to the data published by the Dutch government, there are 17 million habitants but 23 million bikes in the country. Given that bikes do not need fuel nor emit pollutants as cars do, using bikes as a means of transportation helps reduce carbon emission and our dependence on oil. Under the background of global warming and the surge of oil prices due to the Russia-Ukraine war, the life attitude and cycling culture of Dutch people value even more.

What makes us more curious is how bikes took root in Dutch people as well as how the people and the government work together to promote and protect this valuable culture. Let's read the story behind!



#### 從富人的休閒運動到平民的日常代步

單車在十九世紀初出現在荷蘭,但當時只是富人的一種休閒活動,受歡迎度遠遠 不及在當時的英國、比利時和德國。直到1883年,一群在海牙和哈倫的單車俱樂 部成員成立了荷蘭皇家旅遊俱樂部(ANWB),並開始把單車宣稱成一種可以成為 每個人日常代步工具,加上人們開始實施到單車的便利性和低廉的價格,單車開 始流行起來。到二十世紀初,荷蘭開始自稱為「單車王國」。

#### From a hobby of the rich to daily means of transportation

Bikes came to the Netherlands at the beginning of the 19th century. Back then cycling was a leisure activity for the rich and was not as popular as in the UK, Belgium and Germany. In 1885, the members of the velocipede clubs in The Hague and Hadrelm founded the Royal Dutch Touring Club (ANWB), dedicating to promoting bikes as a daily means of transport for everyone. Later, with the advertisement of ANWB, the Dutch started to be aware of the convenience and the low cost of bikes. Cycling started to get popular. The Netherlands gave itself the name "cycling country" at the beginning of the 20th centure.

汽車湧入和單車保衛行動

After World War II, the Marshall Plan led to an influx of countless American goods to Europe, including cars. As the economy had been rebuilt in Europe, goods to Europe, including cars. As the economy had been rebuilt in Europe, more and more Dutch people could afford cars, which gradually became a symbol of wealth. However, the government did not consider the compatibility between pedestrians, bikes and cars on roads while designing the cities. Therefore, the rising number of cars resulted in many traffic accidents. In the 1960s, many Dutch people started to protest against cars, asking for more space which should have been given back to bikes and

二戰以後,馬歇爾計劃的開展使得大量美國的商品貨物湧入歐洲,當中便包括了

Influx of Cars and Defence of Space for Cycling





#### 無車週日和環保浪潮

荷蘭人民的訴求得到了政府的正視。1970年代起,政府開始考慮重新規劃城市, 同一時間,中東的贖罪日戰爭引發石油危機。政府為了減少對石油的消耗,1973 年頒布無車星期日政策,從11月4日起到次年1月6日期間,禁止私人機動車輛在迎 日的道路上通行。在政策跨施期間,行入和單車再次獲得了更多的城市空間,荷 蘭人民再次看見了更加寧靜和乾淨的街道,並開始意識到汽車對環境的影響。 1975年荷蘭車聯盟成立,在為單車取城市空間的同時為單車賦予了新的意 義:單車是比汽車更加環保的出行方式。

#### Car-free Sundays and Wave of Environmental Protection

The Dutch government attached importance to its people's voice, beginning to redesign the cities in the 1970s. Meanwhile, the 1975 oil crisis broke out due to the Arab-Israeli war. In order to reduce oil consumption, the government banned private motor cars on roads every Sunday between 4 November 1973 and 6 January 1974. The policy allowed Dutch people to see quieter and cleaner streets and to be aware of the impact of cars on the environment. In 1975, Firstersbond (Dutch Cyclists' Union) was founded and added a significant value to bikes, defining them as an environmentally friendly alternative. friendly alternative.

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#### 為單車重新規劃城市

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Redesigning the Cities for Bikes

the future transportation system in the country, thanks to the citizens' effort and some social factors. The government has redesigned the cities. Supermarkets, shopping malls, cinemas and schools are built within cycling distance of residential areas. More and more residential areas. More and more bike lanes are built with traffic lights, so bikes can be separated from cars on roads and cycling is more comfortable and safer. Bike parking spots are easy to find on





### Macau Transit Plan and Land Transport 2021-2030

The Macau Government conducted a public consultation on the Transit Plan and Land Transport of Macau for 2021-2030 to seek public opinion on the vision, strategy and direction of the land transport plan for the next decade. The consultation lasted for about two months until July 22.

Did you have a chance to take a look at the contents of this plan? We sorted out some of the contents of the plan just in case you didn't! Take a quick look now!

#### 2021-2030 陸路整體交通運輸規劃重點內容:

"Transit Plan and Land Transport of Macau for 2021-2030" highlight:

#### 改善交通安全及環境

Improve traffic safety and environment

- 提高新能源巴士比
- 使機動車年增長率不超過3%
- 研究建立的士服務評鑑體系
- Increase the proportion of new energy buses
- Limit the annual growth rate of motor vehicles to no greater than 3%
- Study the probability of a taxi service evaluation system

興建中及規劃中的軌道





缺乏實際計劃減少對私人車輛出行的依 賴,建議增加擁有私人車輛的難度,可 以參考其他城市限制車輛等長的政策, 如倫敦的交通擁擠稅、北京的汽車搖號 制度和新加坡的擁車權制度

Lack of actual plans to reduce the dependence on private vehicles, we suggest to increase the difficulty of owning a private car, can reference of the private vehicle, such as London's congestion tax, Beijing's license lottery system and Singapore's COE system

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#### 優化交通方式結構和道路交通

Optimize the structure of transportation modes and road traffics



- 提供更多的步行路徑選擇,減少繞行(包括松山、 東北大馬路步行通道)
- 建設澳氹第四條跨海大橋,大潭山隧道
- Encourage private vehicle users to switch to rail transit
- Provide more walking path options and reduce detour (including Guia Hill pedestrian tunnel and Avenida do Nordeste walking path)
- Construction of the fourth cross-sea bridge and Taipa Grande tunnel













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#### 發展智慧交通

**Develop Smart Transport** 

- 推廣路邊泊車位"地感"的使用
- 擴大自動配時交通燈使用範圍
- 提供未來時刻主要道路交通預測功能 及綜合出行資訊
- 增加安裝巴士乘客數量估算系統,輔助 車輛及時調度
- Promote the use of in-ground sensor for roadside parking spaces
- Expand the use of smart traffic lights
- Provides key road traffic forecast and comprehensive travel information
- Increase installation of passenger number estimation system on buses, assist timely scheduling of buses





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#### 解決交通問題應以提供更好的替代方案入手,了解該 問題的迫切性和解決後的效果,並且應該對症下藥

Traffic problems should be solved by providing better alternatives, understanding the urgency of the problem and the effect of the solution, and should be appropriate to the case



應著手解決路邊停車位(尤其是舊區),作泊車路外 化,可考慮引入立體停車場,如塔式、倉庫式等。 Begin solving the problem of lack of roadside parking

Begin solving the problem of lack of roadside parking spaces (especially in the old areas), through off-street parking, consider three-dimensional parking garages such as tower parking, warehouse parking, etc





全面普及新能源巴士和增程式電動巴士,推出措施鼓 勵居民以家庭作單位來購車。

Roll out new energy buses and extend-range electric buses, and encourage people to purchase cars as a family unit.





能透過應用感應和分析技術和路口的交通增柱上安裝感應器,盡量減少不同道路使 用者的等待時間。在適當地方設全日/定時行人專用步道,擴闊行人路,鼓勵市民 多以步行方式出行。

Applying sensing and analytic technologies to traffic light poles to reduce the waiting time of different road users. Encourage people to commute by foot by widening pedestrian walks and introducing pedestrian-only streets in appropriate

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# World Urban Forum11 Focus On How To Build Resilience For Sustainable Urban Future

The World Urban Forum (WUF) is the premier global conference on sustainable urbanization established by the United Nations, which was held in Cavite, Poland, from 26 to 30 June 2022. The theme of WUF11, 'Transforming our Cities for a Better Urban Future', will provide greater insights and clarity on the future of cities based on existing trends, challenges and opportunities, as well as suggest ways cities can be better prepared to address future pandemics and a wide range of other shocks.

Building resilience must be at the heart of sustainable urban futures. Government and stakeholders must take measures at different levels and in different contexts to ensure that cities build resilience across the economic, social and environmental dimensions.



### Sharks Eat Humans V.S. Sharks Eaten By Humans

Have you ever eaten "real shark fin"? In the past, on some occasions (such as wedding banquets and big festivals), when you go to a restaurant to yum cha and eat, you may see "shark fin" on the menu. Some people think that eating shark fin is a status symbol but have you ever thought about the origin of the bowl of shark fins in front of you while you are eating it? Where is that shark now? (Welcome to swipe left to get more information)

July 9 was the South Florida Shark Fishing Championships. The main purpose of this championship was to kill large amounts of coastal marine species (it mainly encourages participants to catch and kill sharks). Because fishing tournaments in Florida have never required approval from the Fish and Wildlife Conservation Commission (FWC), the FWC has no right to request the sponsor to cancel the match. Still, the entire process of the event must comply with state and federal fishing regulations.

Climate change and overfishing, pollution and coastal damage had caused severe damage to the oceans. And this Tournament is exactly one of the human behaviors mentioned. We should take conservation actions to protect all kinds of species regardless of their habitats, and not inhumane and unsustainable behavior to harm them.



### Nope To Reduce Plastics During The Pandemic?

During the pandemic, how often do you order takeaway? The pandemic bred a new lifestyle, one that increases the use of disposable products and plastics. However, is it going to be an 'endless pandemic, endless plastics?'

In fact, a new shopping style "Contactless Shopping" already started in most of the countries during the pandemic. "Contactless Shopping" can be achieved as long as it sticks to the the principle of "Contactless".

This shopping style also began to develop in Taiwan, which can prevent the spread of pandemic and reduce disposable products use. What about Macau? Does Macau have the ability to achieve "Contactless Shopping", since neighboring cities have started to embrace it?

## "Contactless Shopping"



疫情期間,各國陸續出現「無 接觸購物」的一種購物形式

Contactless Shopping", is a new shopping style that appears during the pandemic in the world

離和減少碰觸。

「無接觸」原則 = 強調安全距 The principle of "Contactless" = minimal social distance and physical interaction.





如何實現? How to achieve?



綠色和平為推動「無接觸購 物」,設計海報讓支持該理念 的商家自行張貼到店舖,以倡 導信-購買模式

在台灣,已經有至少28間飲料 店響應支持

To advocate "Contactless shopping", Green Peace designed a poster for shops owner to promote this new shopping style in store

In Taiwan, there are at least 28 stores that carry out "Contactless Shopping"



4個步驟實現「無接觸購物」買咖啡



4個步驟實現「無接觸購物」買咖啡 Achieve "contactless shopping" coffee through these 4 steps



After ordering your drink, put your own cup on a specific place, then step back to waiting area



The staff would pour your coffee into your cup directly. In this progress, both the staff and container won't touch your cup



請取回您的自備杯。

Take away your coffee cup. In this progress, both the staff and desk and the tools, prepare consumer won't contact each



Staff would clean up the serving everything to serve the next "contactless" consumer

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### How to Achieve The Goal Of Quality Education?

Sustainable Development Goal 4 (SDG4-Quality Education) aims to ensure inclusive and equitable quality education and promote lifelong learning opportunities for all. Role models are accumulated worldwide.

Aside from having 10 targets, SDG4 shows its importance as it is in line with various SDGs, like SDG3-Good Health and Well Being, SDG5-Gender Equality, SDG8-Decent Work and Economic Growth, BSDG12-Responsible Consumption and Production, and SDG13-Climate Change.

### Open Classroom



 $Hs inchu-Kwampo\ Elementary\ School\ in\ Taiwan\ breaks\ the\ stereotypical\ concept\ of\ a\ campus\ by\ offering\ students\ an\ open\ campus\ design\ that\ encourages\ students\ to\ "run".$ 

"The government thought schools should be easy to manage and easy to replicate," said Chen Che-sheng, one of the school's main architects. "B with a breakthrough in educational thinking and emphasis on student autonomy, campus space becomes increasingly valued.

There are no class boards, no designated running tracks and no rigid

Instead, there are classrooms of different sizes and configurations, running tracks for free movement, and school walls are replaced by graffiti blackboards. In addition, the design considered climatic conditions, local structure and Hsinchu's culture to strengthen students' attention to the surrounding environment.

### 🔰 SDG Book Club



The UN established SDG Book Club in 2019, which aims to deliver the SDGs philosophy to children by making SDGs booklists from 6 main languages (Chinese/English/French/Russian/Spanish/Arabic), and they have spread worldwide

#### For instance:

- Norway: Established an online SDG library in 2020 and is providing a way for kids to discover the connection between their surroundings and the world.
- and the world.

  India: BrainGyan Foundation established a reading club, which leads the kids to understand the importance of No Poverty and Quality Education through drama.

  Africa: Local publishers, writers, and educational associations cooperate together to establish a Kiswahili (One of the 3 main languages in Africa) SDG booklist

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#### Pets for Pupils



Wales-Llandeilo Primary School in the UK concerns students' emotional needs. It has pioneered the use of well-trained therapy dogs over the past decade to provide well-being support to their pupils.

Karen Towns, the rector of the school, discovered that a calming, homely feel in the school has really benefitted the education and pupils' engagement in activities; she is hence expecting to arrange every class with a therapy dog.

"Having a dog here is amazing because when you're feeling a bit sad, you can pat them and it makes you feel better." said student Samia.

"The school has carried out positive work and much success, other schools here have also introduced, or are looking into introducing therapy dogs within the school environment." said Glynog Davies, Welsh government spokesman.

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### 🗦 Editor's Thoughts



Sustainable Development Goal 4 (SDG4-Quality Education) aims to ensure inclusive and equitable quality education and promote lifelong learning opportunities for all, and there are many successful case

Besides from having 10 targets, SDG4's importance is also manifested in various SDGs, such as SDG3-Good Health and Well Being, SDG5-Gender Equality, SDG8-Decent Work and Economic Growth, SDG12-Responsible Consumption and Production, and SDG13-Climate Change.

What best practices have you heard or what topics are you interested in? Leave a message and share with us!

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