



The Alliance for Green Commercial Banks

Data Empowers Climate Actions

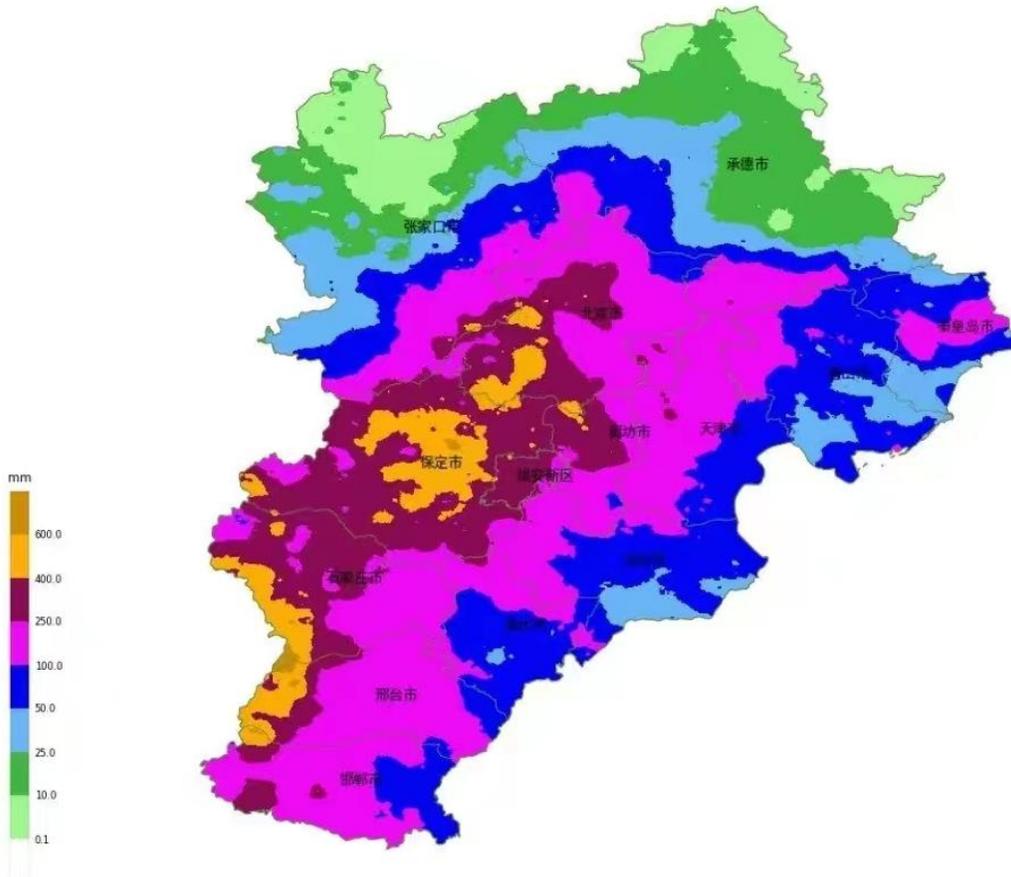
IPE  公众环境研究中心
Institute of Public & Environmental Affairs

Ma Jun

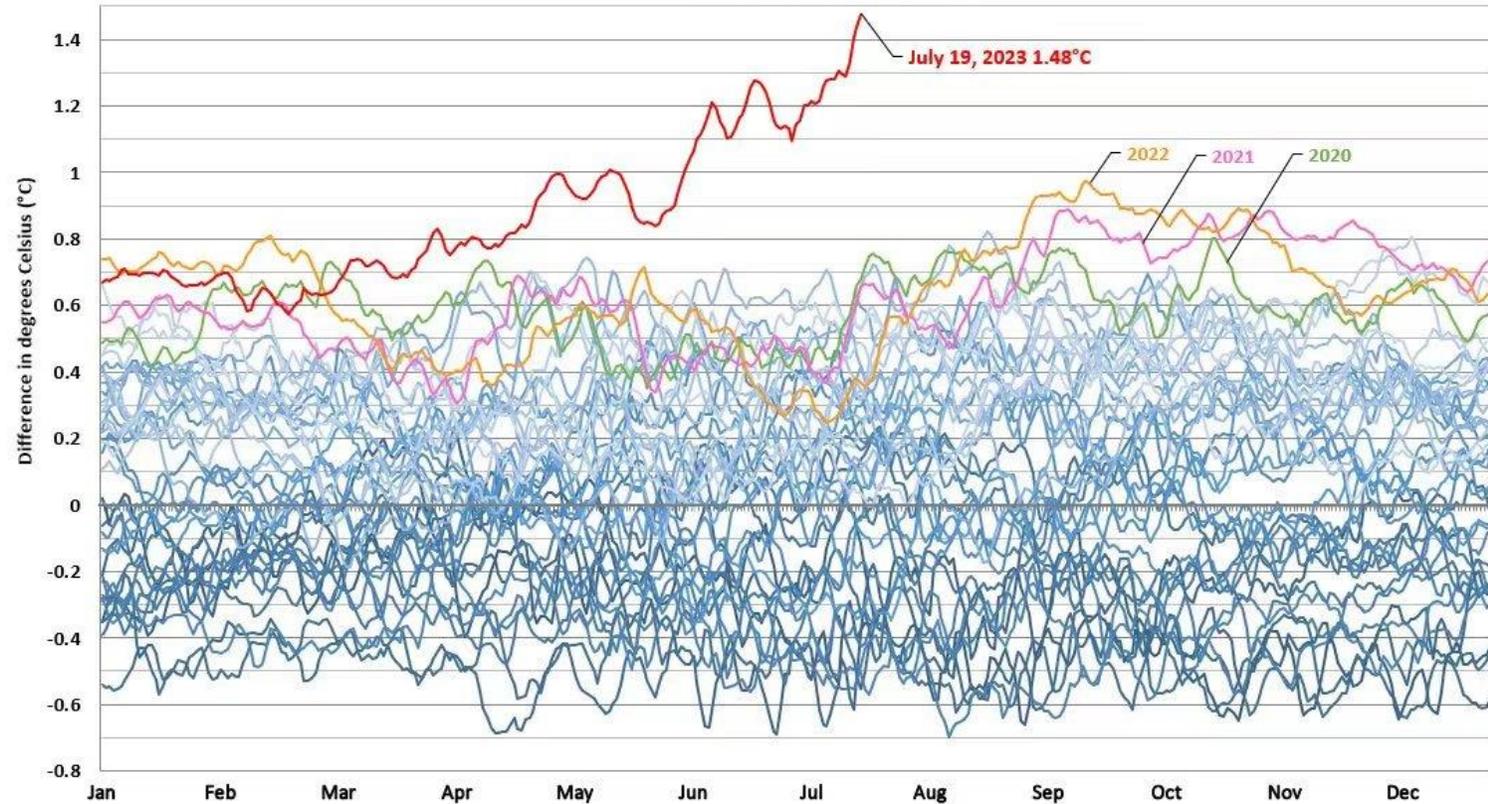
Jan 2024

Heat wave, wildfire, draught, flooding and the rising sea temperature

京津冀降水实况
07月29日08时-08月02日08时



North Atlantic (0-60N) Sea Surface Temperature Anomaly (SSTA)
from 1982-2011 mean

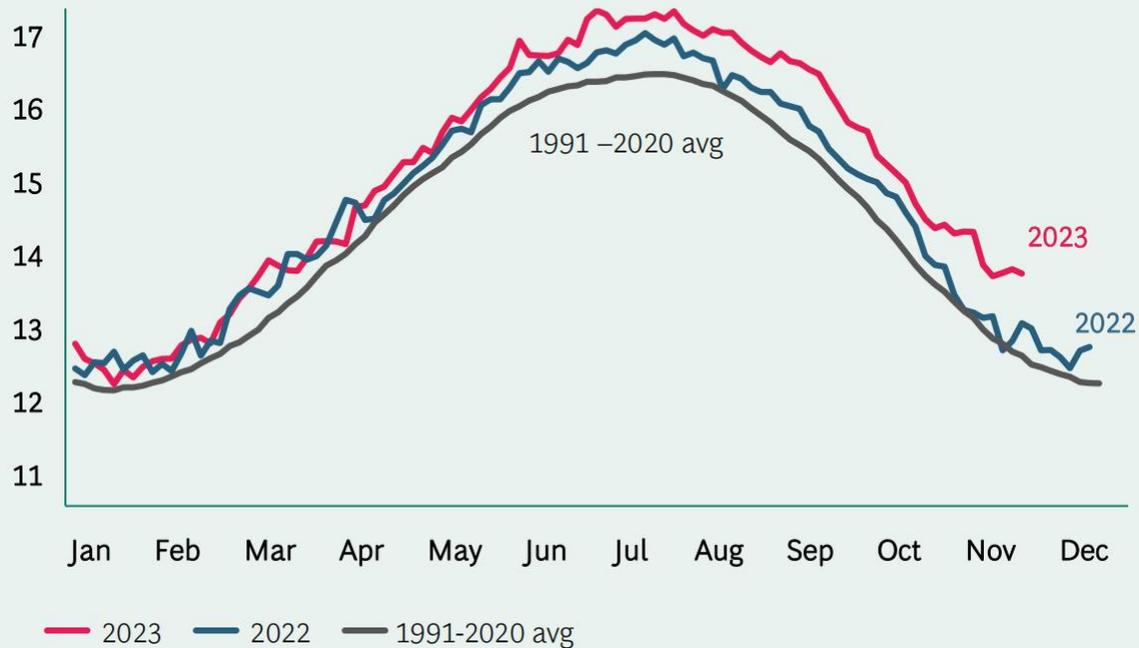


©Leon Simons, adjusted from Prof. Eliot Jacobson - Data source: NOAA Optimum Interpolation SST (OISST) dataset version 2.1
Trough https://climateresearcher.org/clim/sst_daily/, Climate Change Institute University of Main. Data up to July 19th, 2023

First Global Stocktake in the Hottest Year

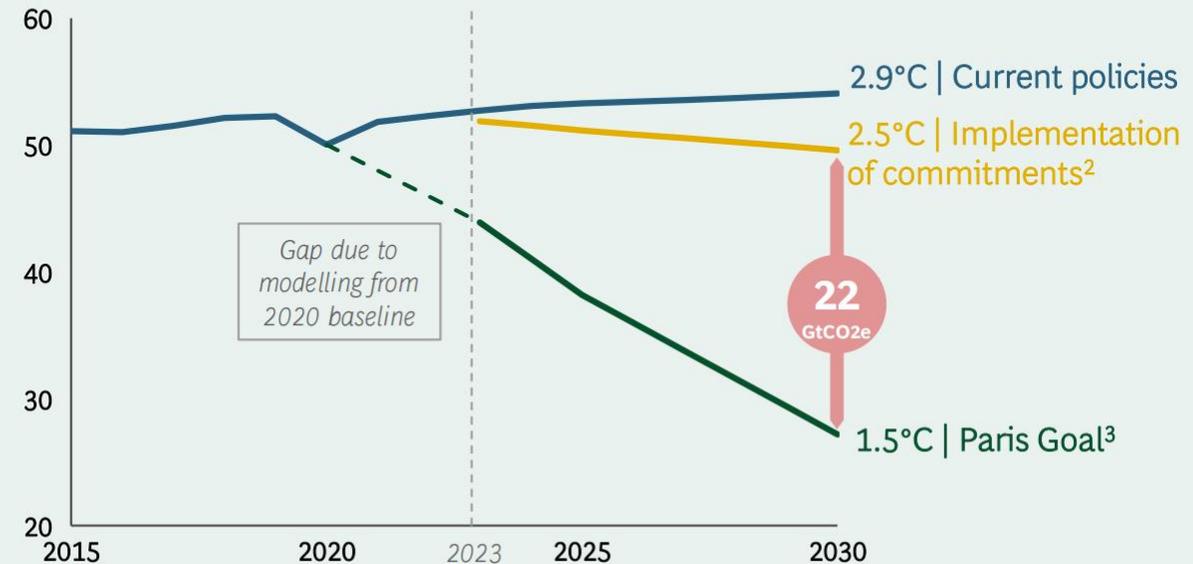
Global average temperatures reached 1.46°C above pre-industrial levels in 2023

Surface Air Temperature¹ (°C)



Current policies put us on track for 2.9°C – we need a 43% emissions reduction by 2030 to reach 1.5°C

GtCO₂e



Transition far from being accomplished and much tougher than expected

Global Pandemic, turbulent energy market and rising geopolitical tension

Global emission still going the wrong direction

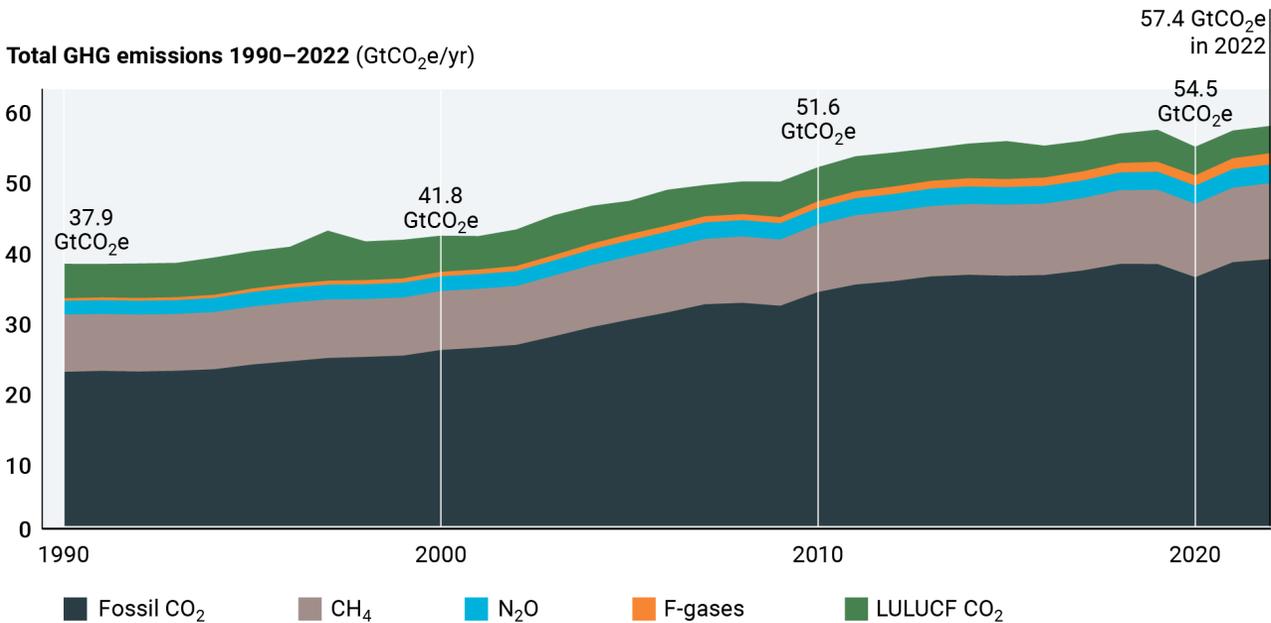
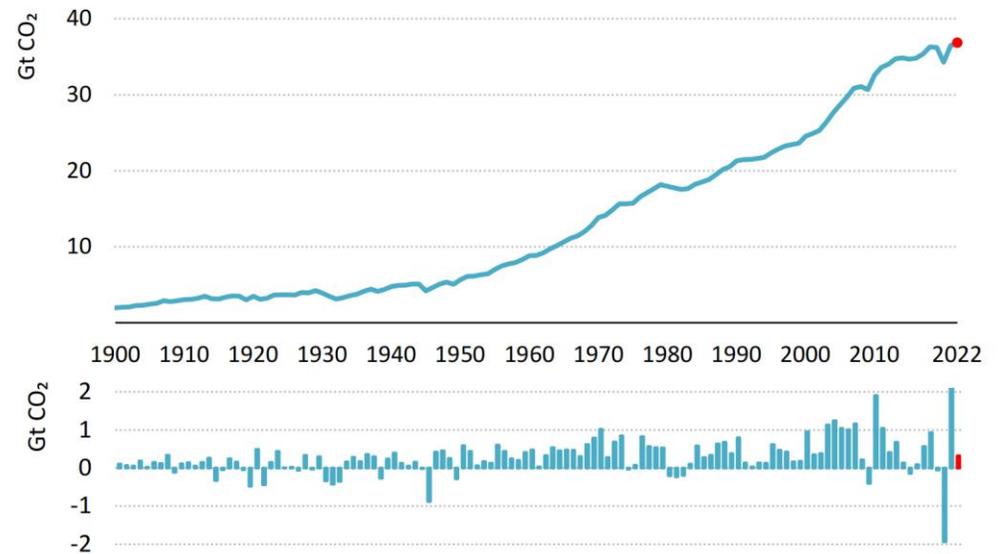


Figure 1: Global CO₂ emissions from energy combustion and industrial processes and their annual change, 1990-2022

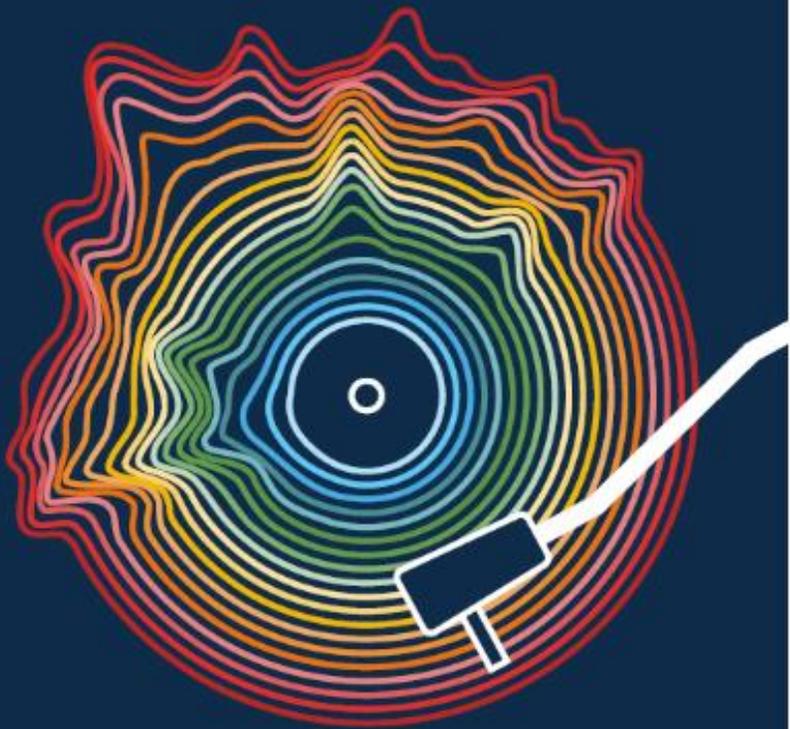


Source: UNEP Emissions Gap Report 2023

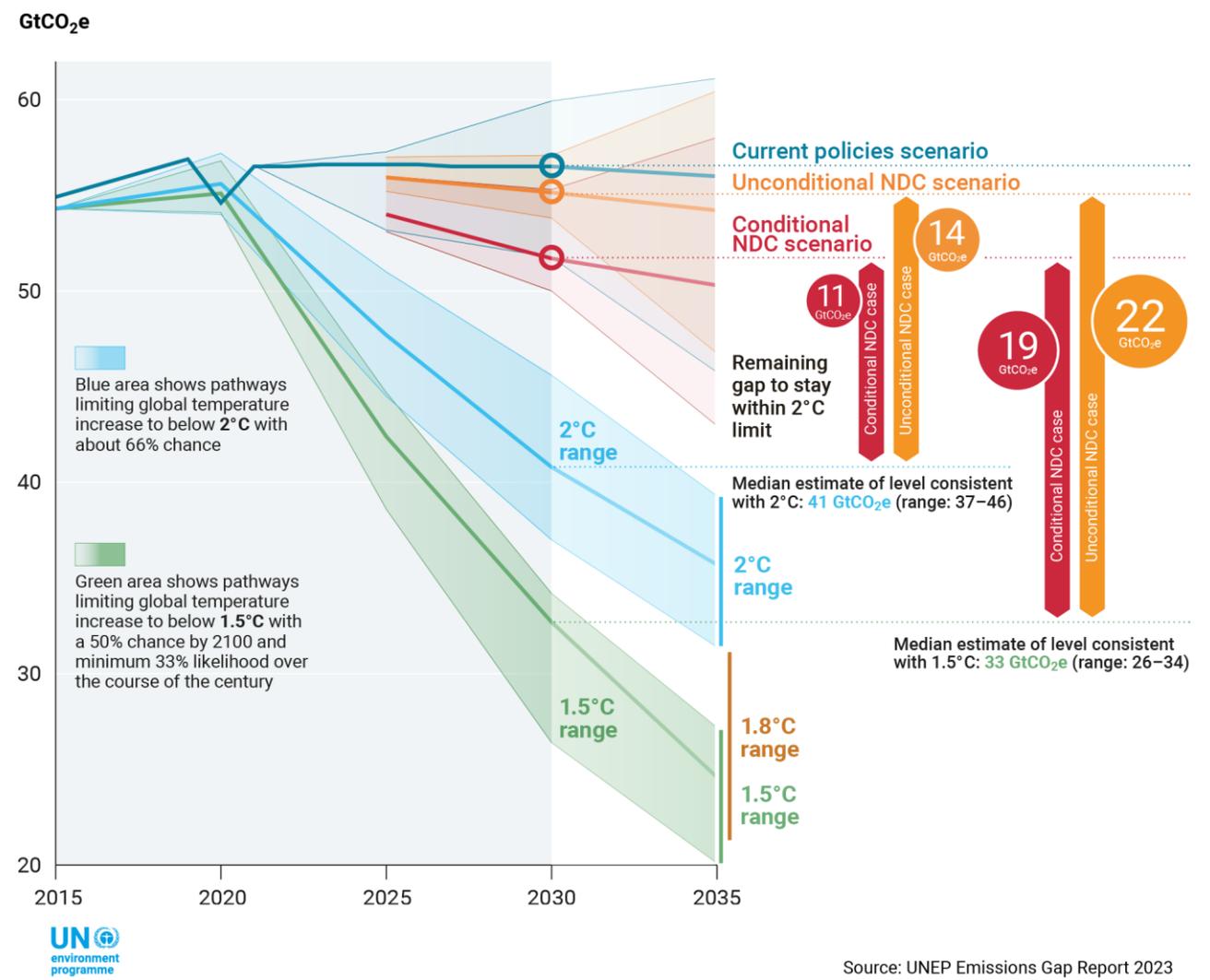
IEA. CC BY 4.0.

Broken Record

Temperatures hit new highs, yet world fails to cut emissions (again)



enormous gap to close



Source: UNEP Emissions Gap Report 2023

Major MNCs and financial institutions join the race to zero

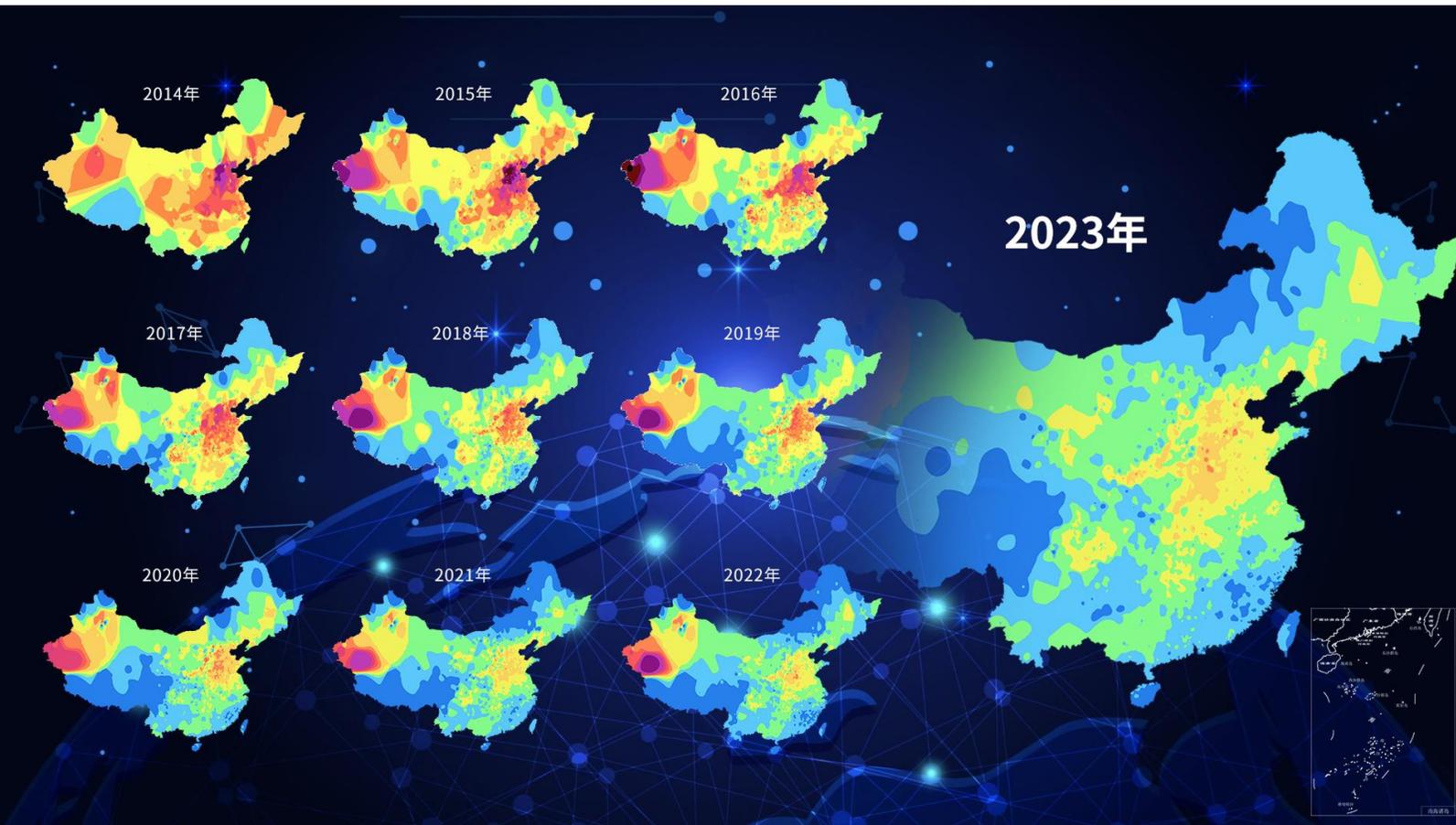
But how to deliver?

- From Paris to Dubai, more corporates and financial institutions announced their climate and environment commitment.
- More than 450 financial institutes holding USD 130 trillion in assets committed to transforming the economy for net zero.

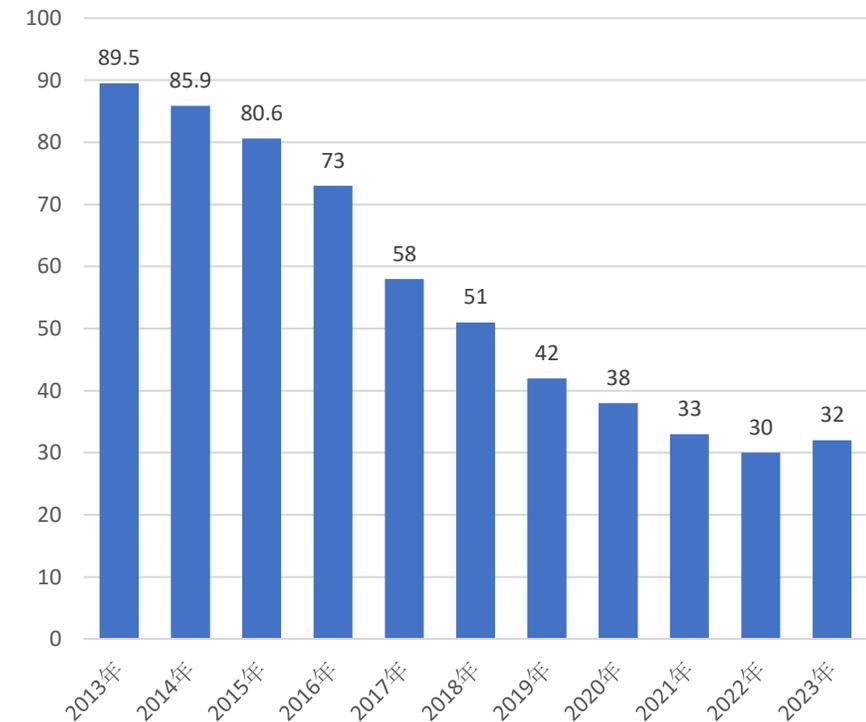


How to synergize climate mitigation, pollution control, biodiversity conservation and social economic development?

China's clean air and water efforts provide inspirations



PM2.5 dropped by about 50%
across major cities in one decade

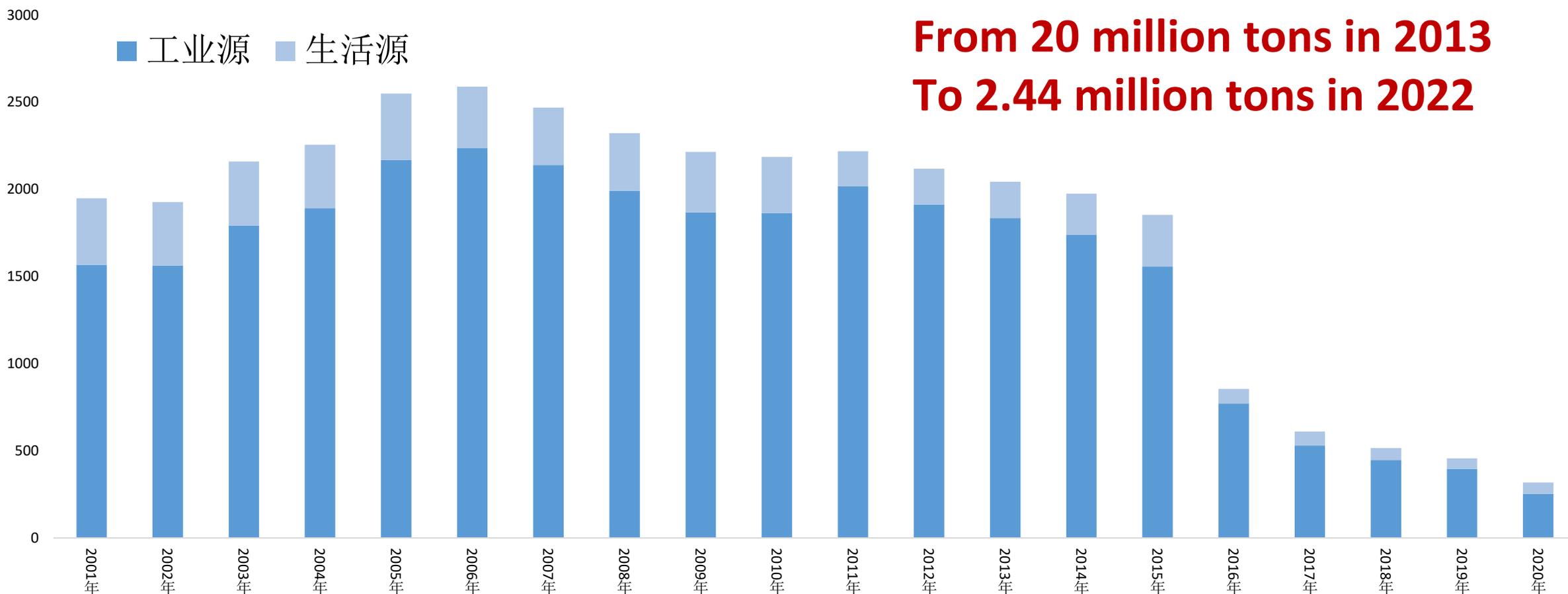


Source: Blue Map

PM2.5 concentration in Beijing

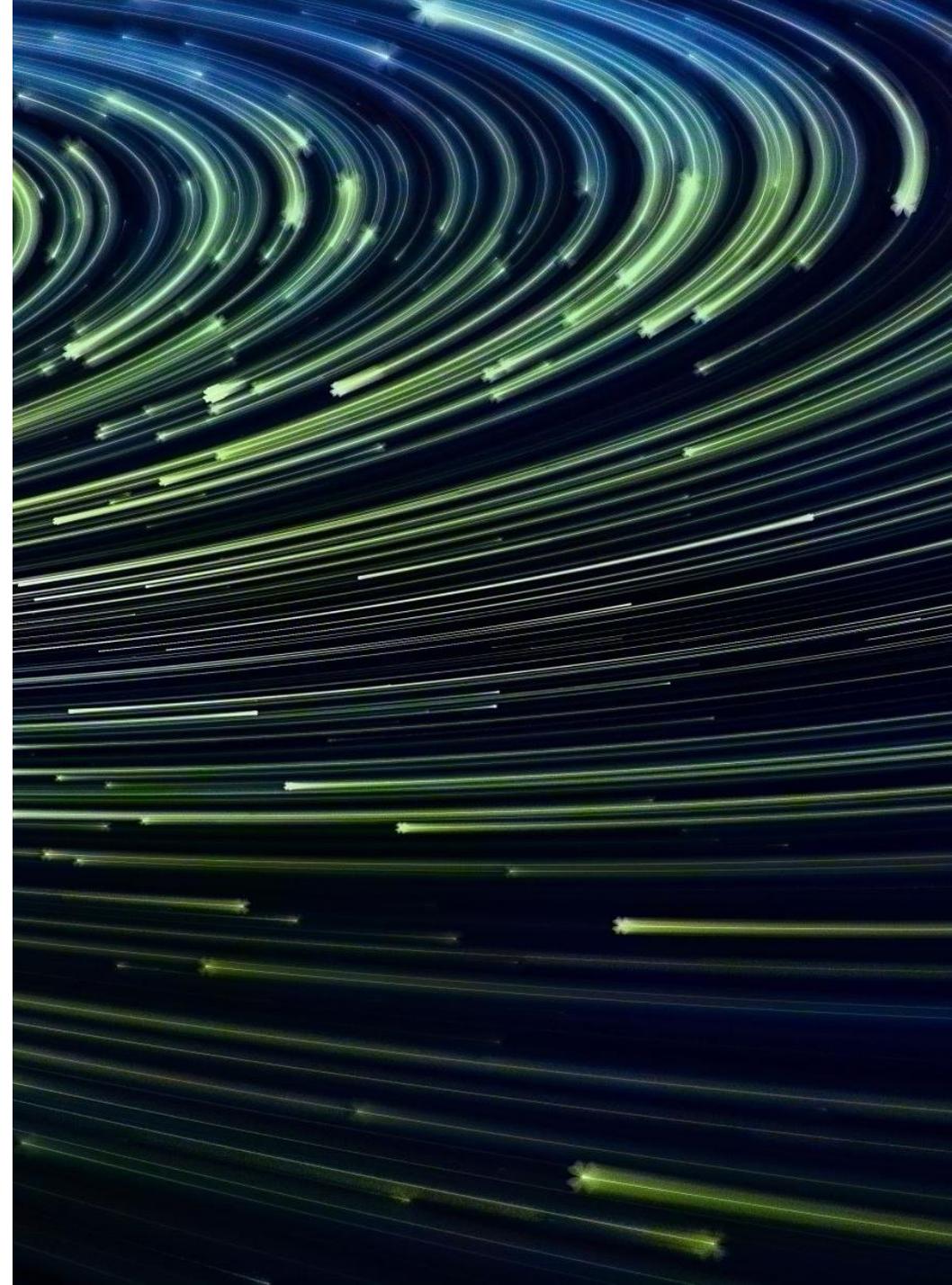
China's clean air and water efforts provide inspirations

Vast reduction in industrial emissions (SO₂)



Blue Map for Zero Carbon

- Build carbon data infrastructure
- Conduct data-based assessment
- Create digital solutions





Welcome to the BLUE MAP

Promote Green Development, Protect Our Planet



2024-01-07 A factory reported its annual GHG emissions data

Communication

Digital Maps

Green Supply Chain Map

IPE leads an energetic effort to increase the corporate responsibility for managing the environmental impacts and carbon footprints of its supply chains in China.

Corporate Map

The Corporate Map enables real-time tracking and visualisation of corporate environmental performance, with the aim to motivate industrial facilities to accelerate low-carbon development.

Water Map

The Water Map visualizes China's ground water and drinking water source quality over the years.



在线咨询
Live Chat

Monitoring station search Search

Nationwide City/Locality

Rank	City	AQI
1	Yiyang	223
2	Xiangtan	221
3	Turpan	221
4	Changsha	213
5	Luzhou	200
6	Quzhou	199
7	Jiujiang	198
8	Zhuzhou	189

1/48



Data Source and Description

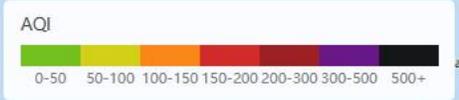
- Mainland China, Hong Kong, Macao and Taiwan's air quality data are obtained from the the ecology and environment departments and environmental monitoring departments at all levels.
- Overseas air quality data come from aqicn, AirNow, OpenAQ, and regional environmental protection bureaus.
- For Air Quality Index (AQI), Chinese standards are used for AQI values for mainland China stations, while local standards or US standards are used for stations in the rest of the regions.
- O3-8H is the arithmetic mean of hourly ozone concentration values for the past 8 hours. Since some sites do not have publicly released O3-8H values, the Blue Map presents them according to the statistical method of pollutant concentration data for sites in the Technical Code for Ambient Air Quality Evaluation (for Trial Implementation) (HJ 663-2013).

National annual environmental data statistics



- AQI ▲
- Updates ▲
- Wind ▲
- Forecast ▲
- Statistics
- Warning
- Pollutant Discharge ▲
- RS ▲

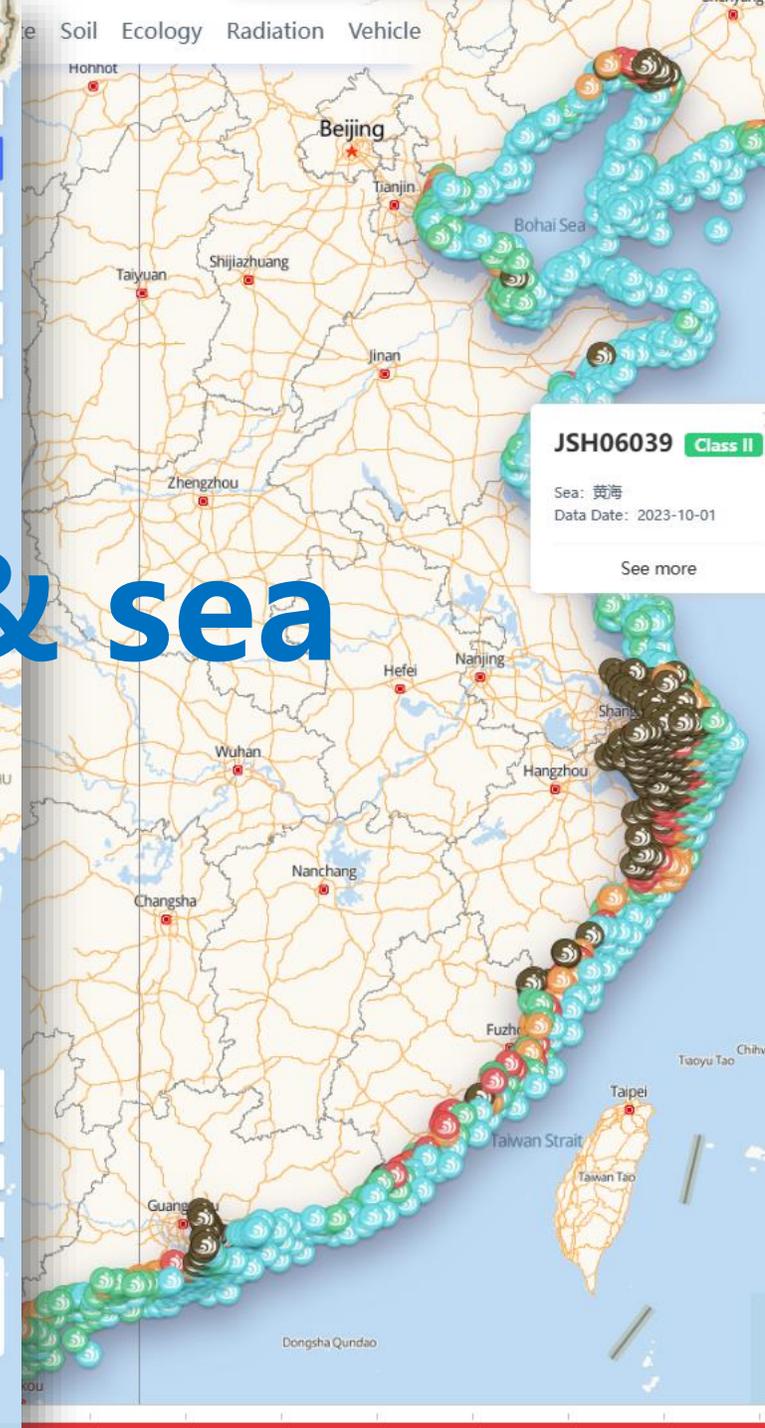
Map navigation controls: +, -, Full Screen, Satellite



水功能区 水质控制单元



water & sea



soil

Control 中文

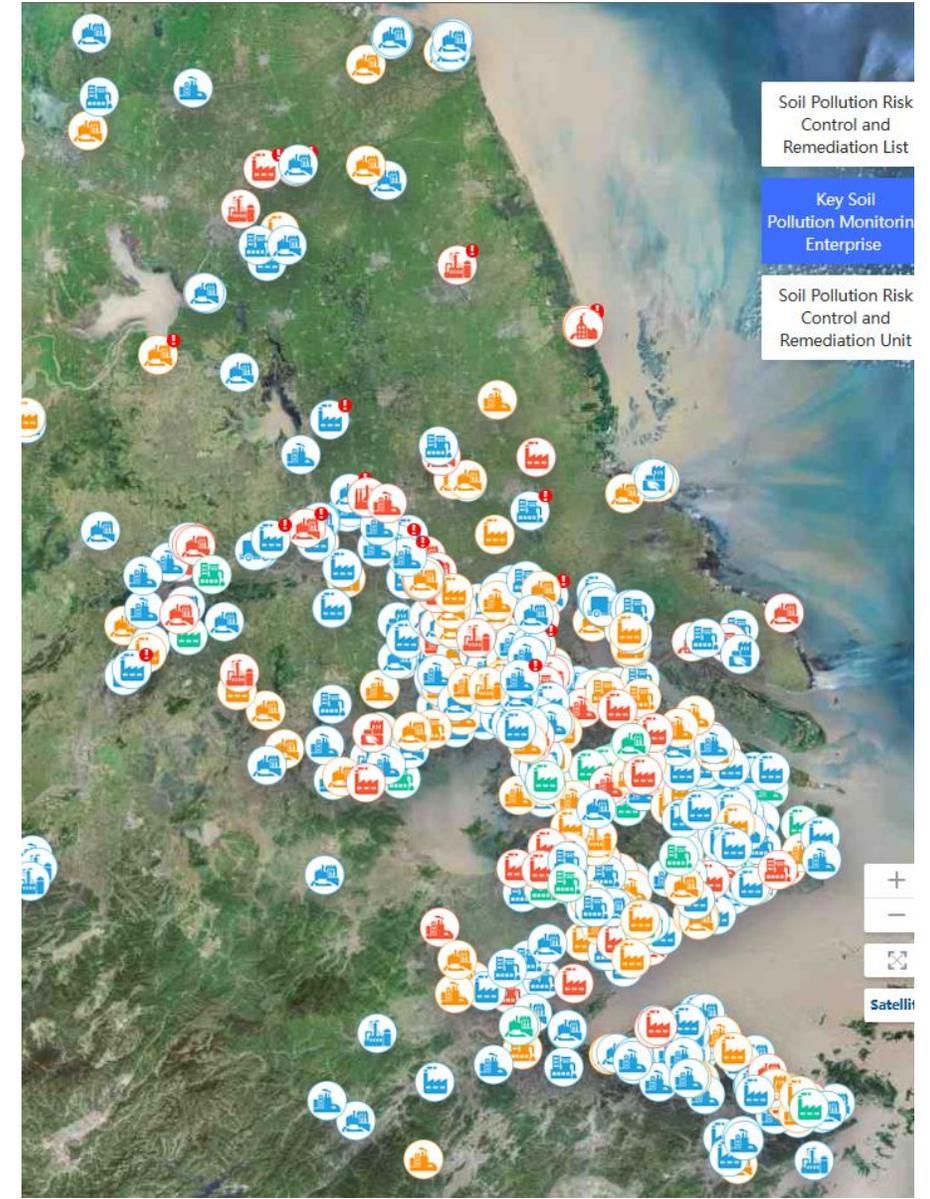
Search

y/ District

Area(M²)

建设—02、11、11-地块)	115339
速路)号—	50852
商务区 数站地	9761
有限公司	22384
—	61720
住宅类	1220
决涂类	31055
二期类	36662
区二	255104
堤中	86981
地区(玩) 地块	44807
堤装	62054
地块	9388
责任	44330

高德地图



3039779

Total Environmental Supervision Records

Emission sources

[ESG Information Query](#)[Smart Environmental Protection](#)[Information Disclosure Research](#)[Introduction to Data](#)

One-stop Enterprise ESG Information Query and Risk Monitoring

[Search](#)

Environmental Supervision

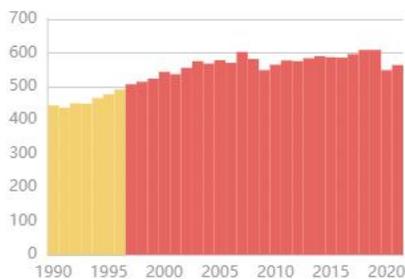
[Required Rectification](#)[Automated Monitoring Data](#)[Enterprise Feedback](#)[Emissions Data](#)[Key Monitoring Entities](#)[Monitoring Data](#)[Performance Grading by the Gov](#)[Exemplary List](#)[Exempted from Production Restrictions](#)[Cleaner Production Audit](#)[Environmental Accident Risk](#)[Double-Random Supervision](#)[Production Suspension/Restriction](#)[Accidents](#)[Safety Supervision Records](#)[Environmental Impact Assessment](#)[Env. Credit by GOV](#)[Annual Environmental Information Report](#)[Green Manufacturing](#)[Ecological and Environmental Inspection](#)[Key Energy Consumption Unit](#)[Key Water Consumption Unit](#)[Energy/Water Efficiency Leading Enterprises](#)[Energy/Water Saving Certification](#)

Multi-stakeholder climate response requires data infrastructure

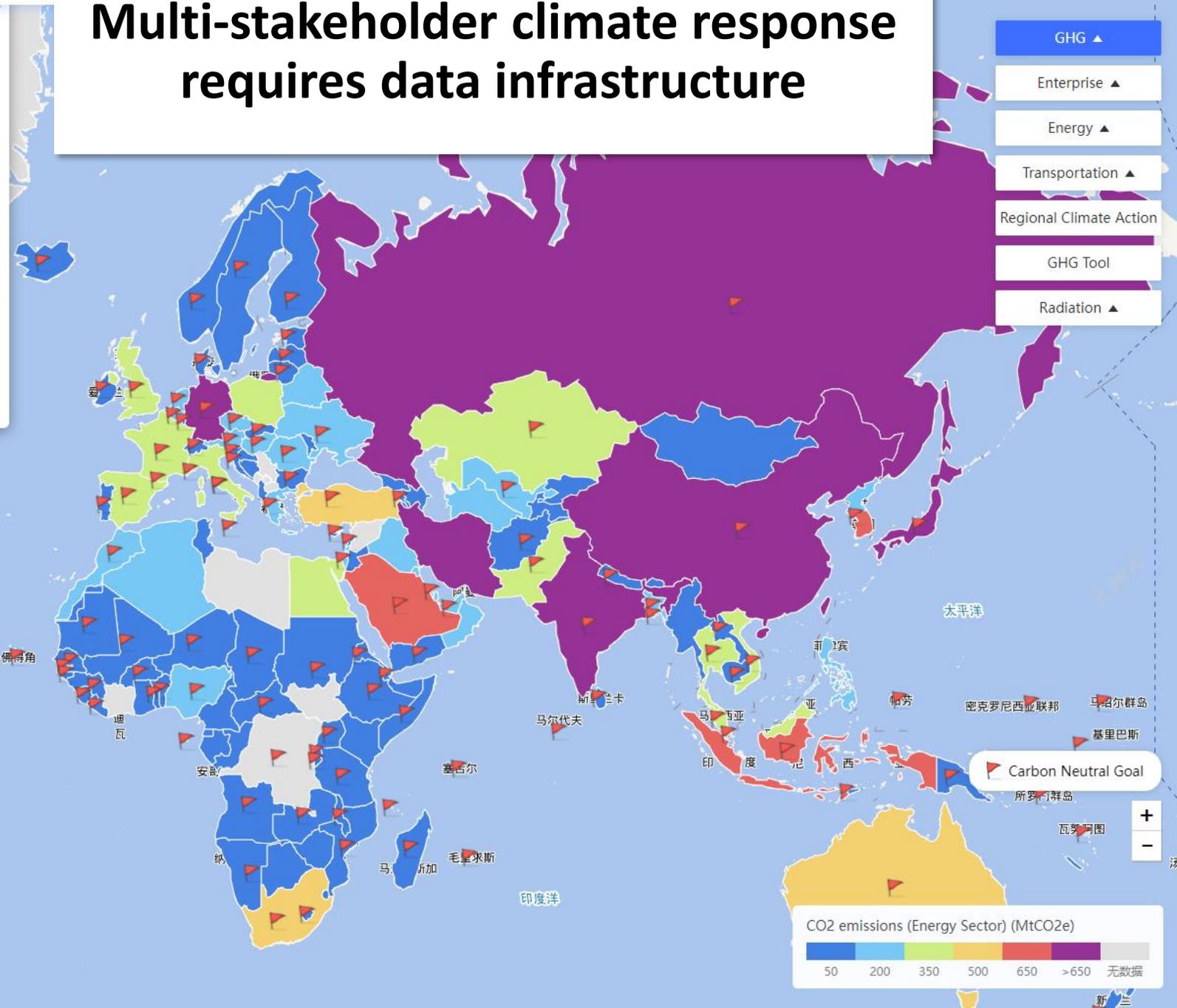
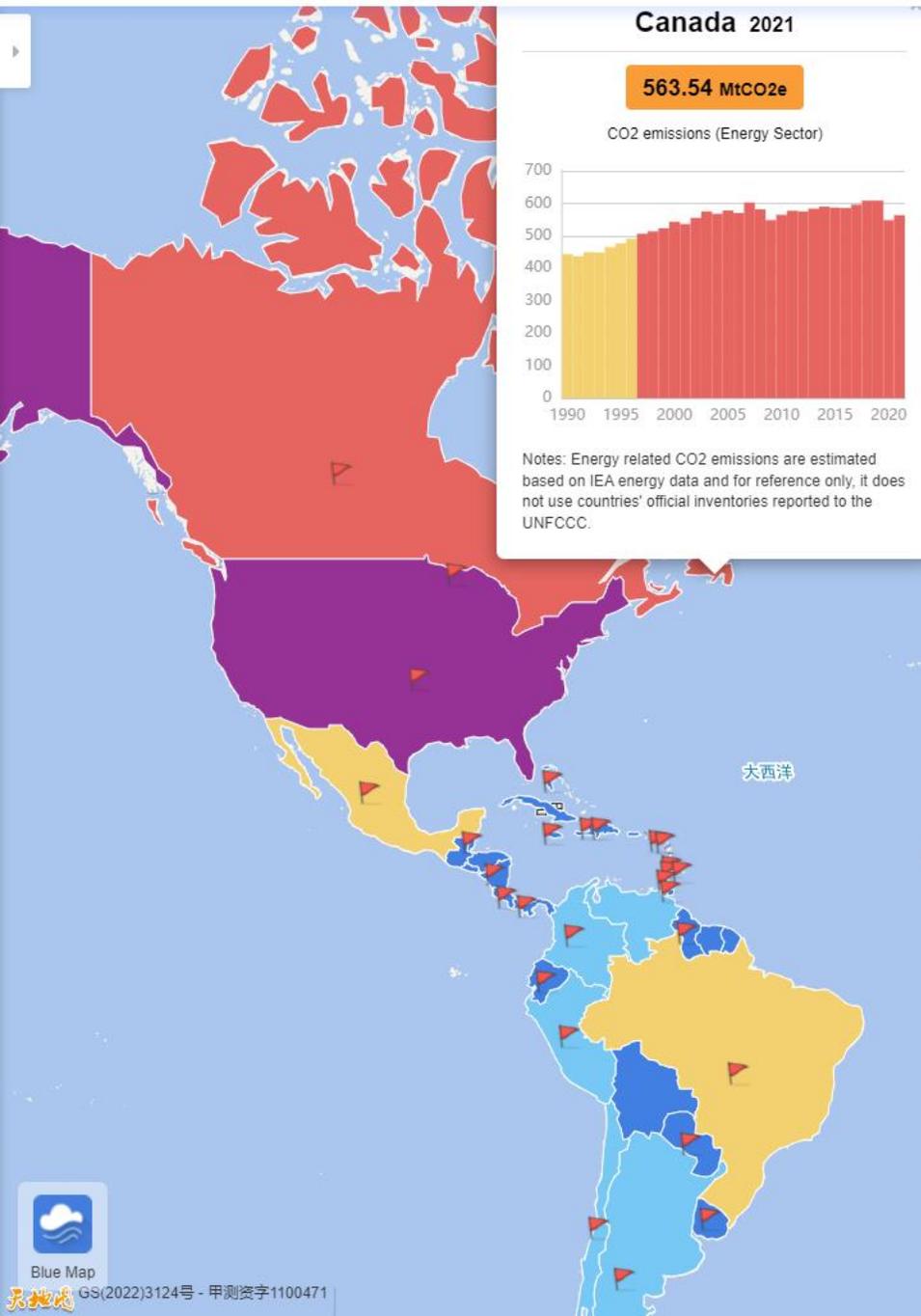
Canada 2021

563.54 MtCO₂e

CO₂ emissions (Energy Sector)



Notes: Energy related CO₂ emissions are estimated based on IEA energy data and for reference only, it does not use countries' official inventories reported to the UNFCCC.



- GHG ▲
- Enterprise ▲
- Energy ▲
- Transportation ▲
- Regional Climate Action
- GHG Tool
- Radiation ▲

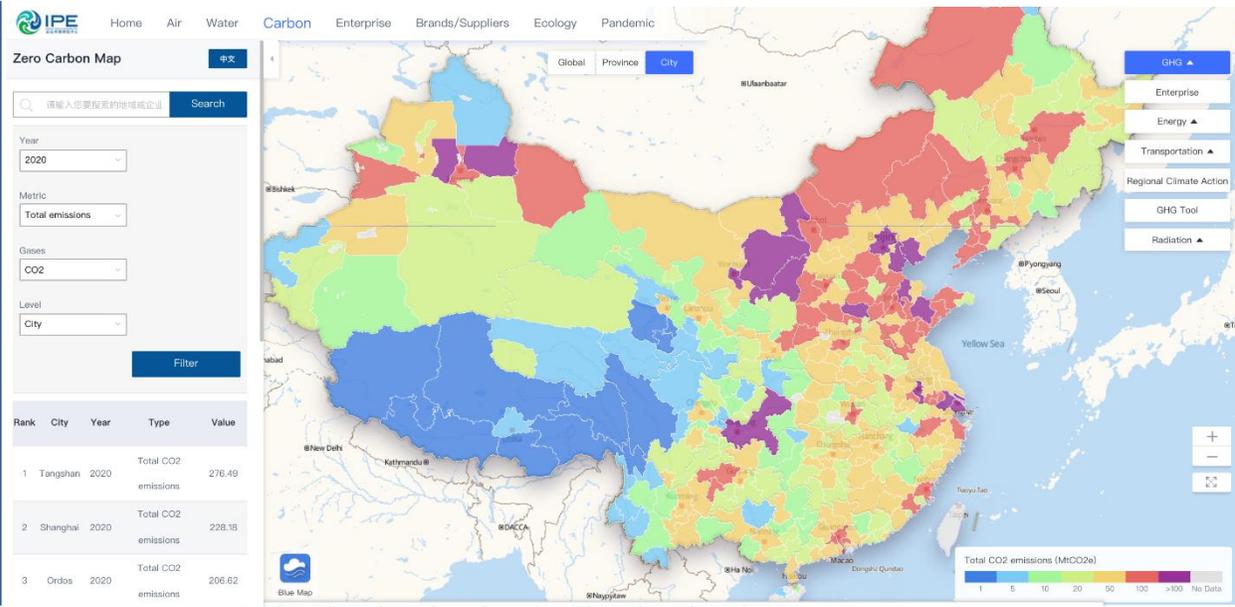
Carbon Neutral Goal



Climate actions need data infrastructure

Zero Carbon Map

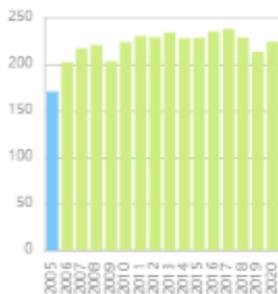
- Global • Province • City



Shanghai

224.24 MtCO₂e

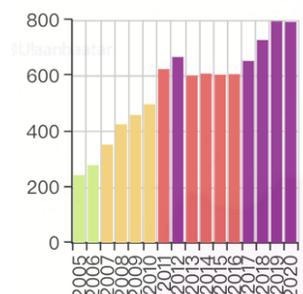
Total CO₂ emissions



Inner Mongolia

792.88 MtCO₂e

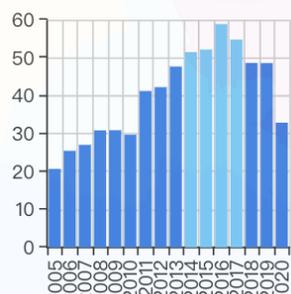
Total CO₂ emissions



Qinghai

32.86 MtCO₂e

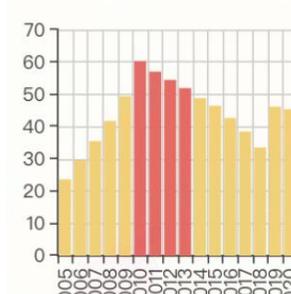
Total CO₂ emissions



Shenzhen

45.42 MtCO₂e

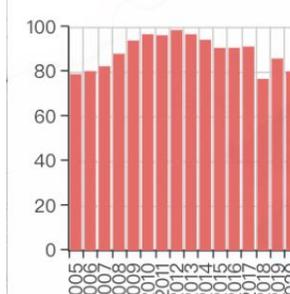
Total CO₂ emissions



Wuhan

80.08 MtCO₂e

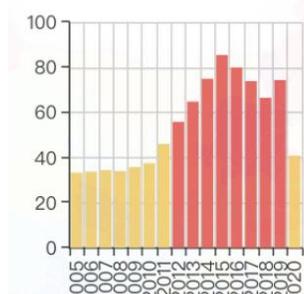
Total CO₂ emissions



Chengdu

40.86 MtCO₂e

Total CO₂ emissions



Milestone legislation: China enters the era of **mandatory disclosure** of corporate environmental information

中华人民共和国生态环境部
Ministry of Ecology and Environment of the People's Republic of China

政府信息公开

名称	企业环境信息依法披露管理办法		
索引号	000014672/2021-01059	分类	其他生态环境管理业务信息
发布机关	生态环境部	生成日期	2021-12-21
文号	部令 第24号	主题词	

企业环境信息依法披露管理办法

《企业环境信息依法披露管理办法》已于2021年11月26日由生态环境部2021年第四次部务会议审议通过，现予公布，自2022年2月8日起施行。

部长 黄润秋
2021年12月11日

企业环境信息依法披露管理办法

第一章 总则

第一条 为了规范企业环境信息依法披露活动，加强社会监督，根据《中华人民共和国环境保护法》《中华人民共和国清洁生产促进法》《公共企事业单位信息公开规定制定办法》《环境信息依法披露制度改革方案》等相关法律法规和文件，制定本办法。

第二条 本办法适用于企业依法披露环境信息及其监督管理活动。

第三条 生态环境部负责全国环境信息依法披露的组织、指导、监督和管理。
设区的市级以上地方生态环境主管部门负责本行政区域环境信息依法披露的组织实施和监督管理。

第四条 企业是环境信息依法披露的责任主体。
企业应当建立健全环境信息依法披露管理制度，规范工作规程，明确工作职责，建立准确的环境信息管理台账，妥善保存相关原始记录，科学统计归集相关环境信息。

Enterprise basic information, including information on its production and environmental protection;

Enterprise environmental management information, including environmental permits, environmental protection tax, environmental pollution liability insurance, environmental credit ratings, etc.;

Pollutant generation, treatment and discharge information, emissions of toxic and hazardous substances, disposal of industrial solid waste and hazardous waste, as well as enterprise self-monitoring information, etc.;

Carbon emissions information, including emission volume and facilities contributed to the emissions, etc.;

Ecological and environmental emergency response, including emergency plans for environmental accidents, emergency response to heavy weather pollution, etc.;

Ecological and environmental violations;

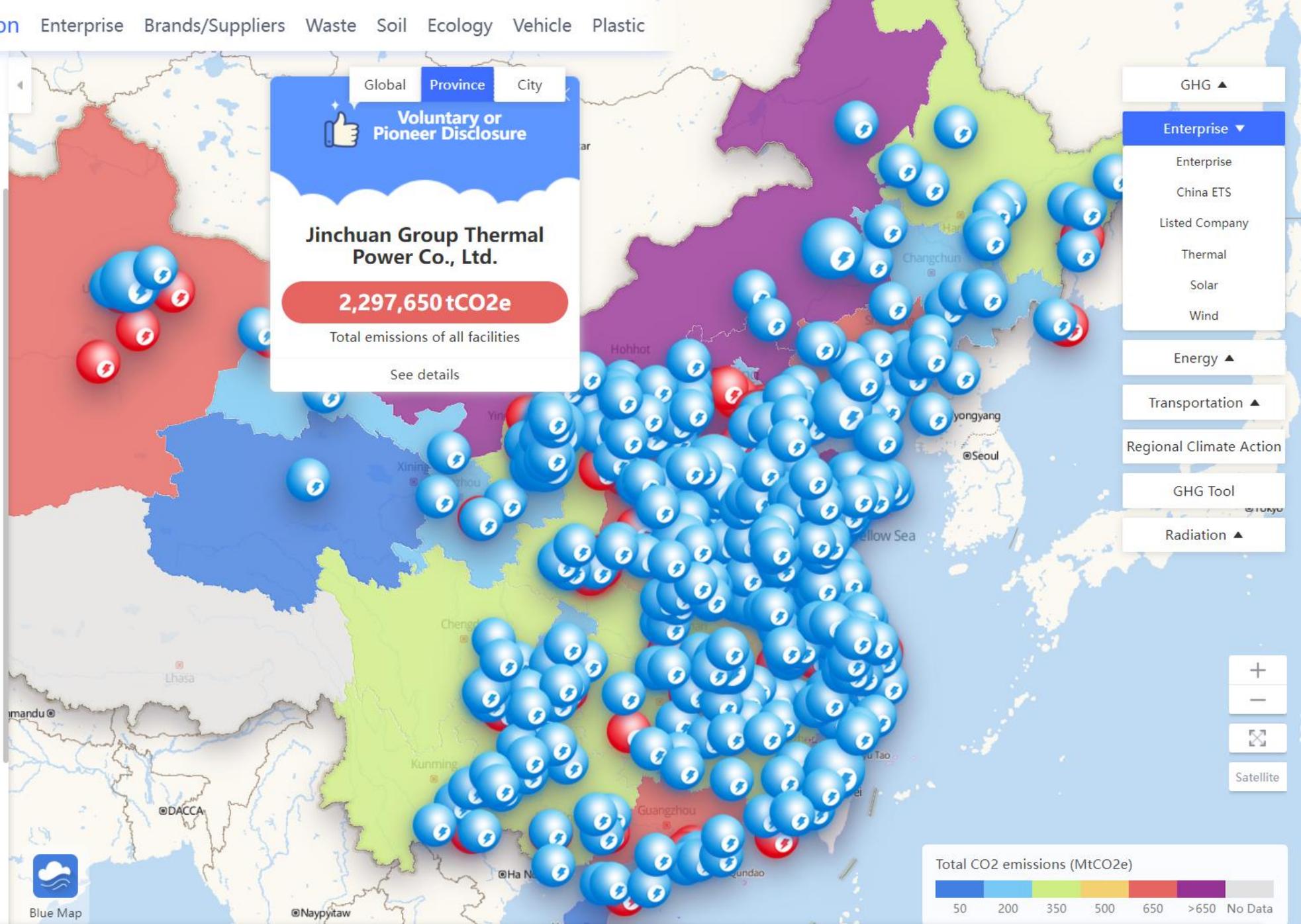
Status of interim environmental information disclosure for the year in accordance with the law;

Other environmental information required by laws and regulations.

Blue Map Corporate emission

Filter

Rank	Province	Year	Type	Value
1	Shandong	2020	Total CO2 emissions	1000.86
2	Inner Mongolia	2020	Total CO2 emissions	912.31
3	Hebei	2020	Total CO2 emissions	794.18
4	Jiangsu	2020	Total CO2 emissions	778.45
5	Guangdong	2020	Total CO2 emissions	617.97
6	Shanxi	2020	Total CO2 emissions	544.39





Carbon Disclosure by Listed Companies

PERFECT MEDICAL

Search

A Shares HK Stocks

Select

1 listed companies, 4 carbon emission data

No.	Listed Company Abbreviation	Stock Ticker Number	Industry	Total emissions (tCO2e)	Carbon Intensity	Year
1	PERFECT MEDICAL	01830	Manufacture of Special Purpose Machinery	1,206	0.91 吨二氧化碳/雇员	2023
2	PERFECT MEDICAL	01830	Manufacture of Special Purpose Machinery	1,259	0.89 吨二氧化碳/雇员	2022
3	PERFECT MEDICAL	01830	Manufacture of Special Purpose Machinery	1,277	1 吨二氧化碳当量/雇员	2020
4	PERFECT MEDICAL	01830	Manufacture of Special Purpose Machinery	1,162	1.02 吨二氧化碳当量/雇员	2019

Results per page

10

< 1 >

Jump to page

BANKCOMM

Search

A Shares HK Stocks

Select

2 listed companies, 7 carbon emission data

No.	Listed Company Abbreviation	Stock Ticker Number	Industry	Total emissions (tCO2e)	Carbon Intensity	Year
1	BANKCOMM	03328	Monetary and Financial Services	58,805	5.51 吨二氧化碳当量每人	2022
2	BANKCOMM	601328	Monetary and Financial Services	97,528	9.17 吨二氧化碳当量每人	2021
3	BANKCOMM	601328	Monetary and Financial Services	83,243	7.73 吨/人	2020
4	BANKCOMM	03328	Monetary and Financial Services	97,528	9.17 吨/人	2021
5	BANKCOMM	03328	Monetary and Financial Services	79,607	8.7049 tCO2e/人	2019
6	BANKCOMM	03328	Monetary and Financial Services	83,243	7.73 吨/人	2020
7	BANKCOMM	601328	Monetary and Financial Services	79,607	8.7049 tCO2e/人	2019

Results per page

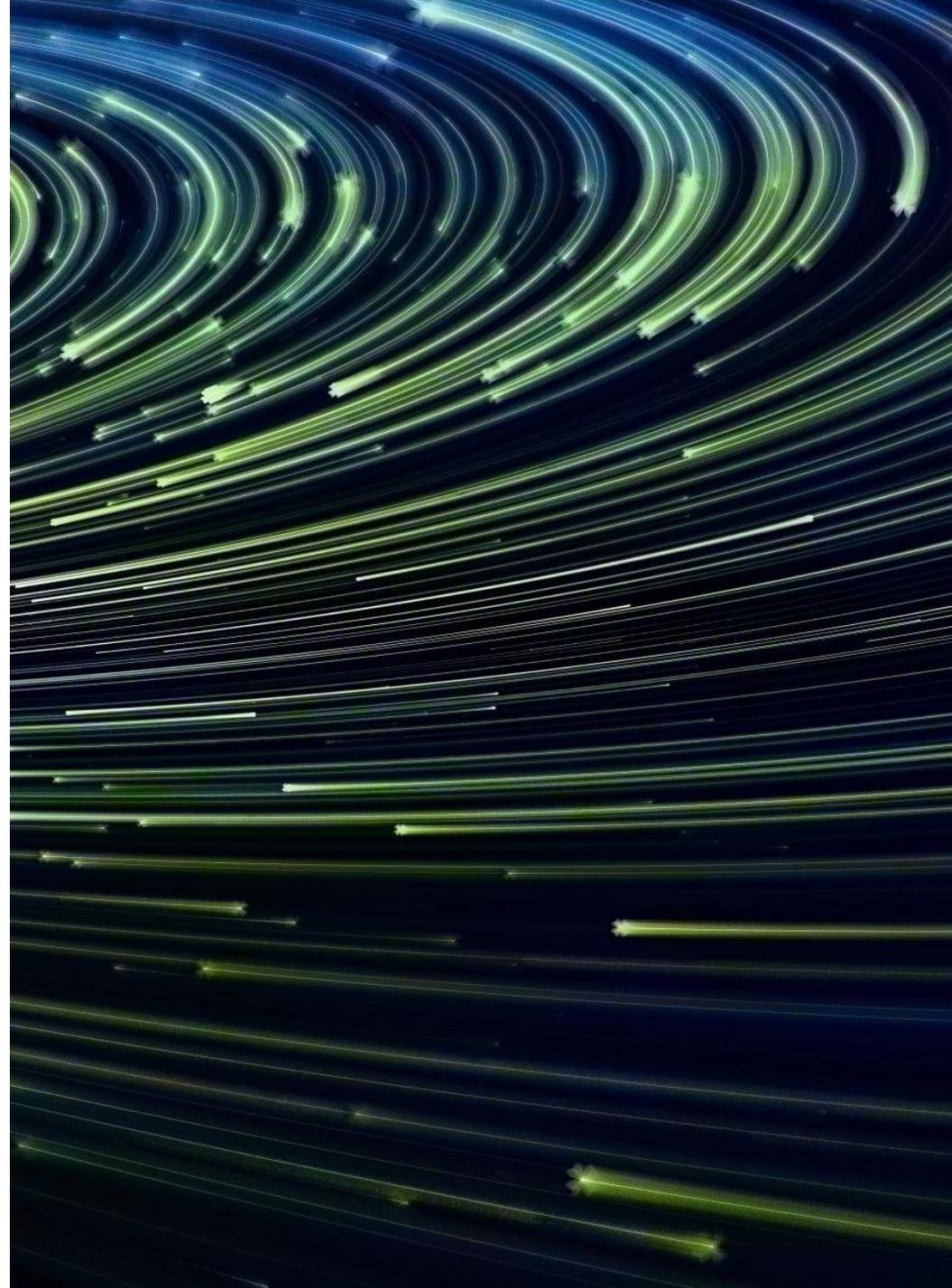
10

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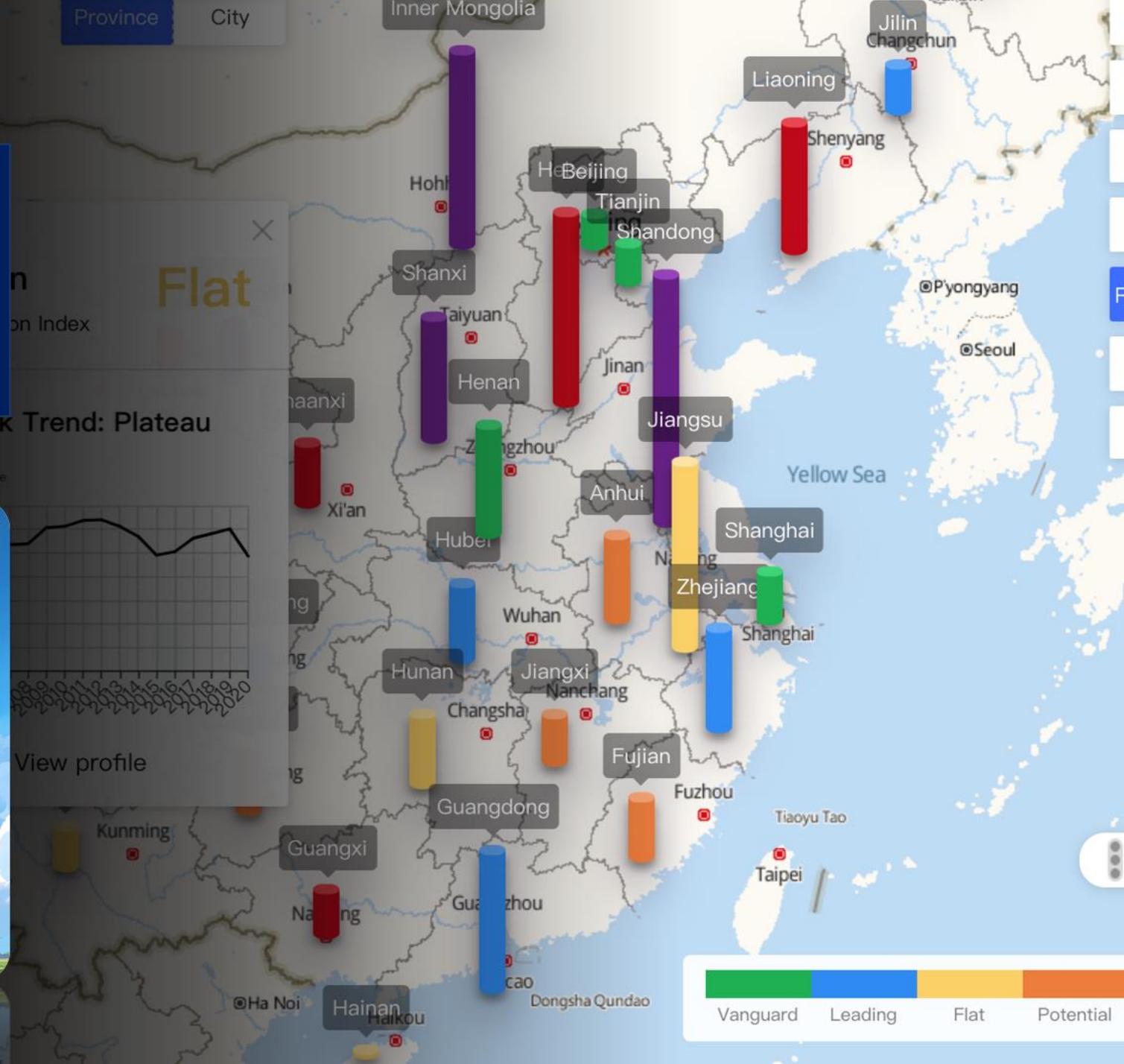
Jump to page

Blue Map for Zero Carbon

- Build carbon data infrastructure
- Conduct data-based assessment
- Create digital solutions



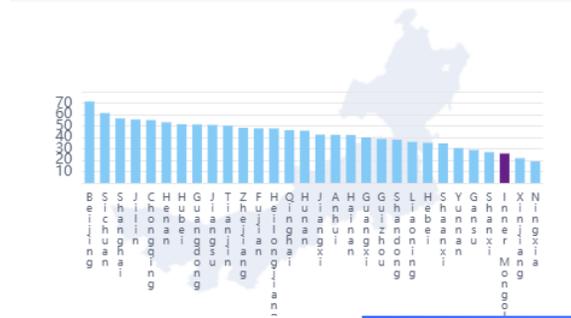
Provincial & City Carbon Peak and Neutrality Index



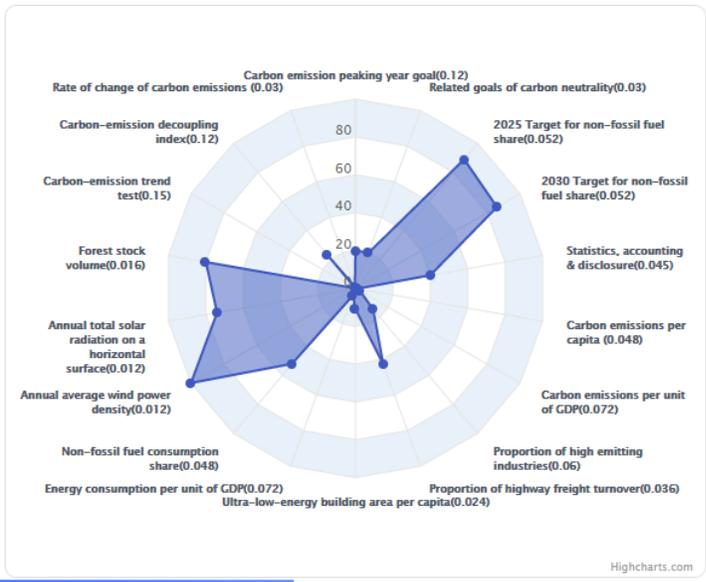
Inner Mongolia

Chasing

Dual Carbon Index



Low-carbon Status



Climate Ambition

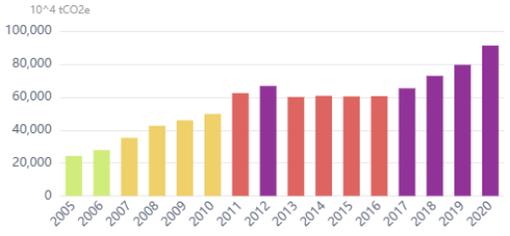


Target Year of Carbon Peak

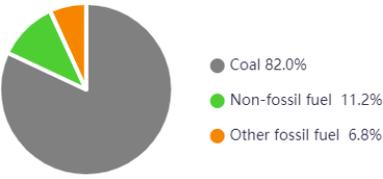


Target Year of Carbon Neutrality

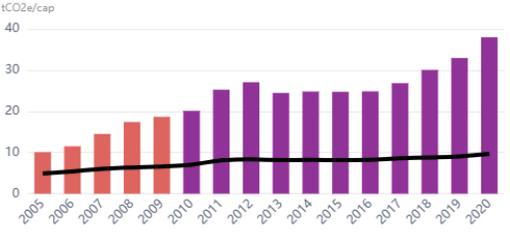
Total CO2 emissions



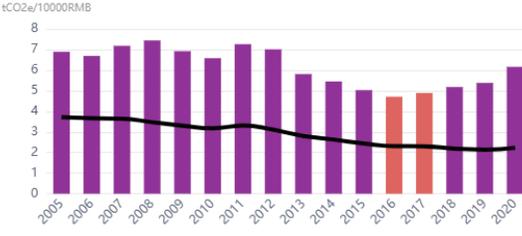
Energy consumption



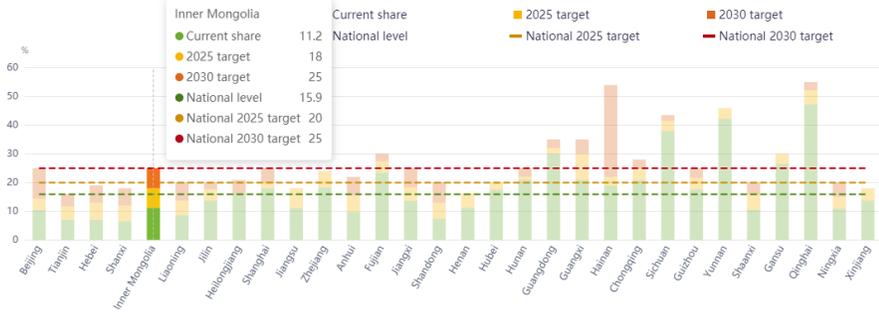
CO2 emissions per Capita



CO2 emissions per GDP

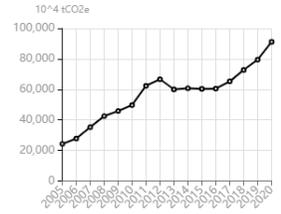


Target for non-fossil fuel share

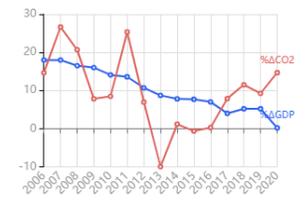


Emissions Trend

Carbon Peak Trend: Not yet peaked



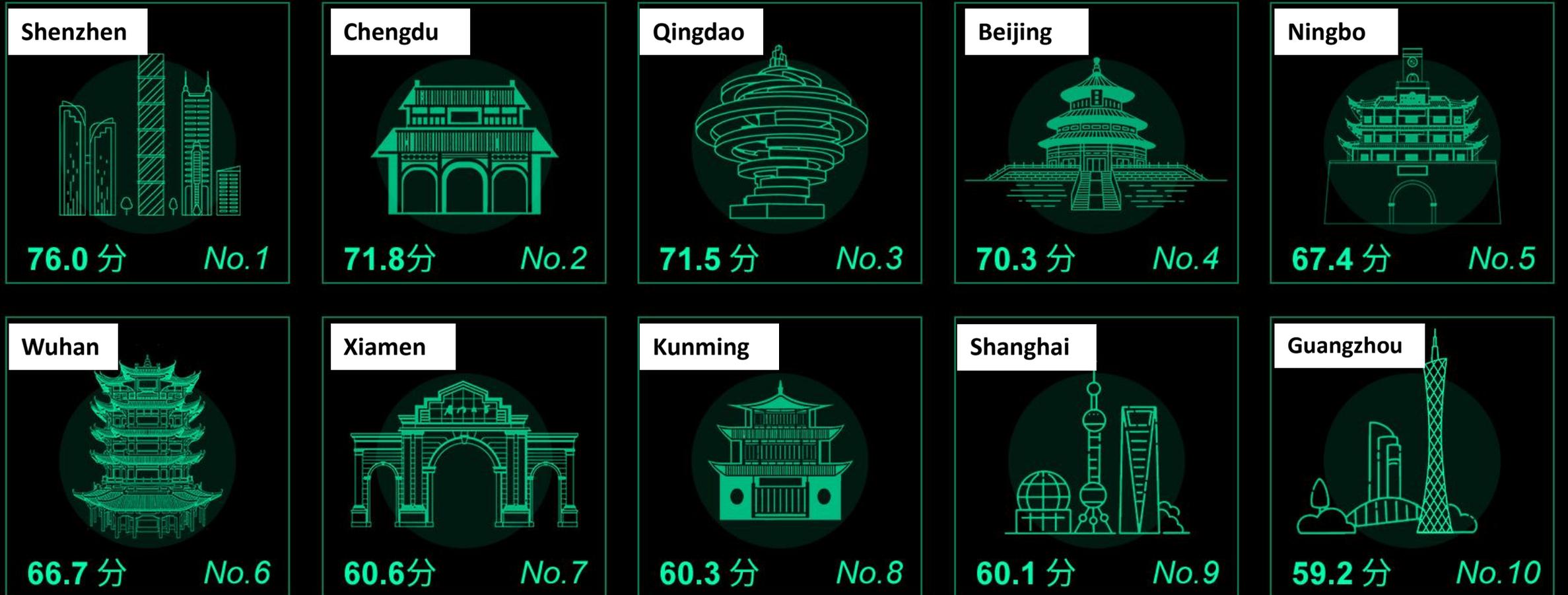
Decoupling Index: Expansive negative decoupling

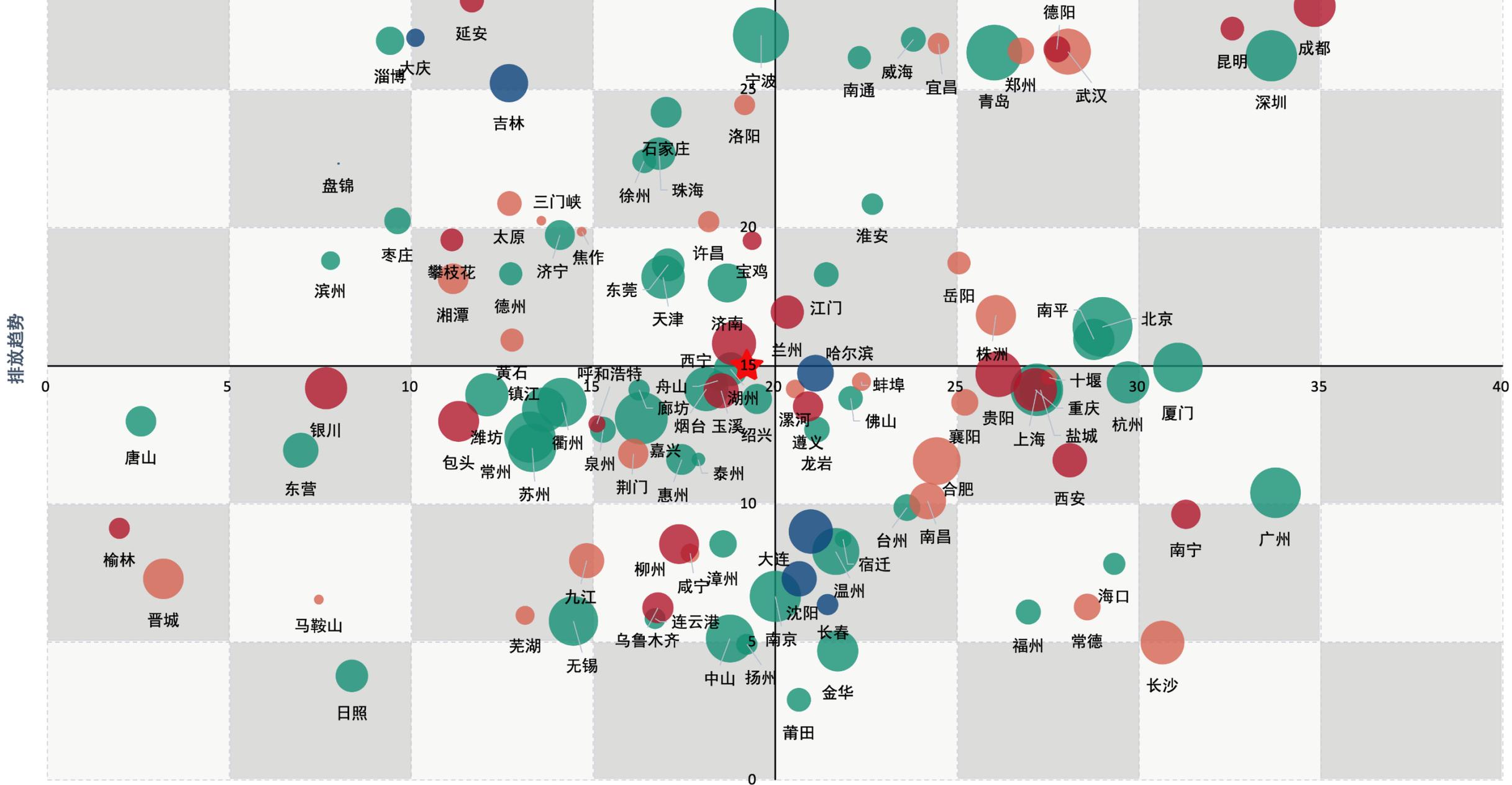


Data source: China City Greenhouse Gas Working Group(CCG).

2021-2022 Carbon Peak & Neutrality Index

Top 10 Chinese Cities







Green and Low Carbon Index for Cities

中文

Nationwide City/ District

Score

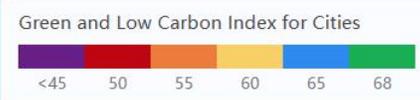
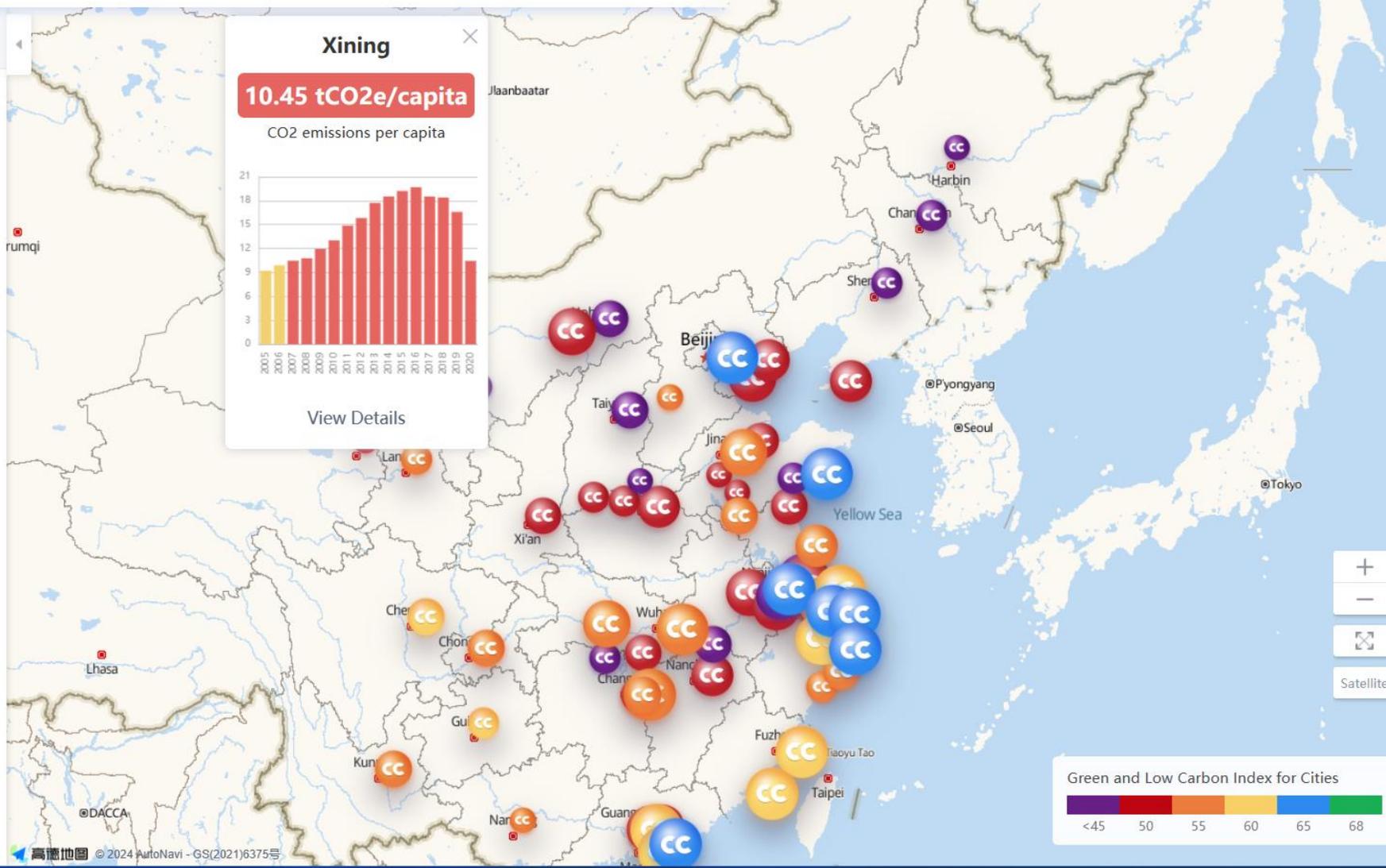
No.	City	Air	Water	Waste	Carbon	Smart Environmental Protection
1	Beijing	62.2	69.1	36.9	70.3	86.1
2	Tianjin	55.7	59.9	7.3	53.1	73.4
3	Shijiazhuang	53.9	61.6	7.6	46.5	80.6
4	Tangshan	56.3	76.2	2.4	23.1	76.4
5	Taiyuan	55.6	60.4	1.7	37.7	58.3
6	Hohhot	64.5	61.1	1.9	29.4	59.8
7	Baotou	65.7	55.0	6.8	35.7	65.9
8	Shenyang	61.4	55.1	9.1	34.3	64.2
9	Dalian	66.1	73.6	6.2	41.5	61.4
10	Changchun	63.1	51.3	4.6	29.2	45.1
11	Harbin	59.7	60.0	6.0	42.2	55.6
12	Shanghai	66.2	57.9	54.4	60.1	72.5
13	Nanjing	65.6	71.6	44.1	43.6	76.3
14	Wuxi	65.8	61.7	22.3	37.1	78.7
15	Xuzhou	55.0	61.0	24.5	42.1	67.6

Xining

10.45 tCO₂e/capita

CO₂ emissions per capita

View Details



Top 20 global CO₂ export flows (Mt CO₂, 2015)

Addressing Scope 3 emissions is fundamental for companies to realize credible climate change commitments.

—Nigel Topping, UNFCCC's High-Level Climate Action Champion



Note: Excluding mining activities and services

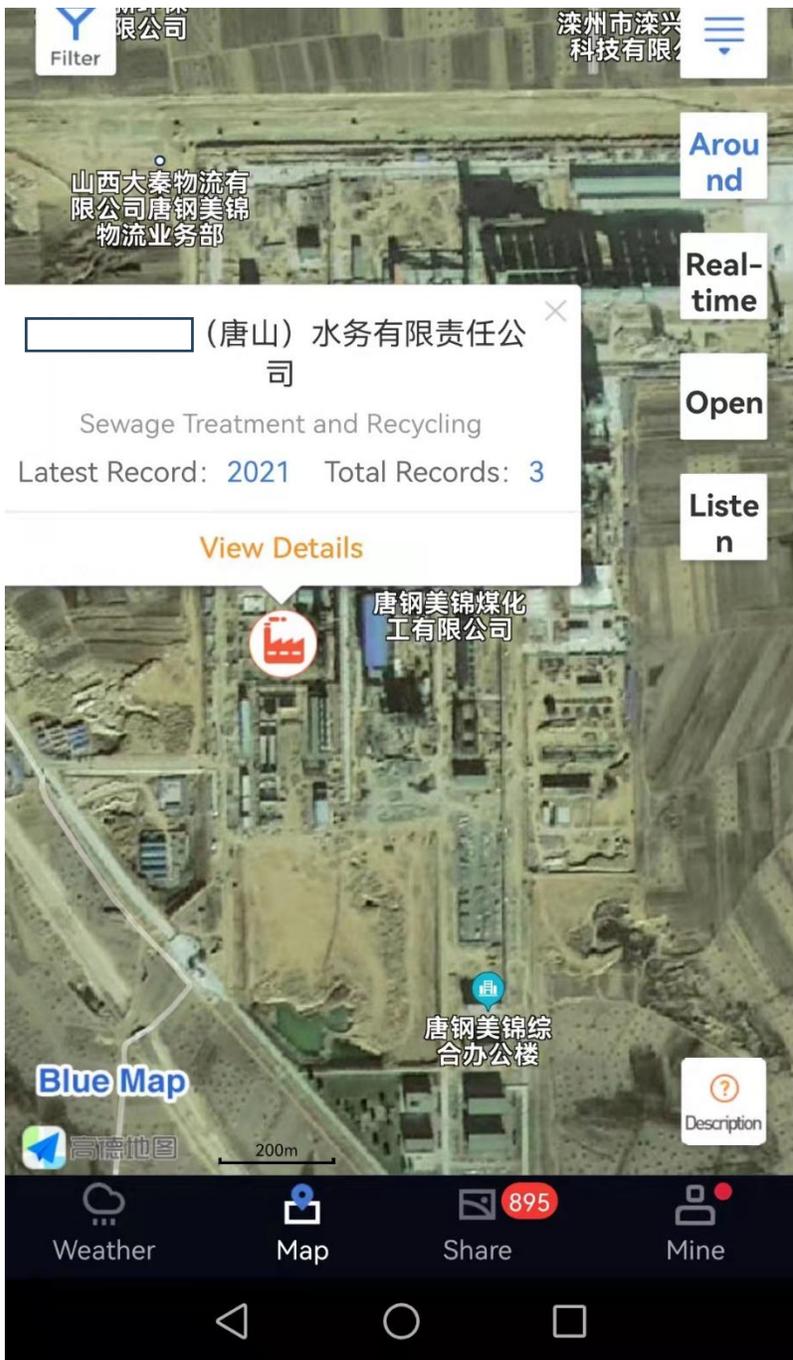
Source: OECD Trade in Embodied CO₂ Database (TECO₂), BCG

Tracking the performance of 14 million companies

Dynamic Environmental Performance Assessment

无锡鸿运电镀有限公司
最新记录: 2021 记录总数: 15
[查看详情](#)





0.0万

2021-12-28

处罚金额

发布时间

违规类型: 水

记录来源: 唐环罚〔2021〕13-212号,唐山市生态环境局, 2021-12-28

环境监管记录2

[查看详情](#)

735.0万

2021-09-17

处罚金额

发布时间

违规类型: 气

记录来源: (唐山) 水务有限责任公司 唐环连罚字〔2021〕13-2号行政处罚决定书公示, 唐山市生态环境局, 2021-09-17

环境监管记录3

[查看详情](#)

35.0万

2021-12-30

处罚金额

发布时间

公司

所在地: 河北 / 唐山 环境绩效: **D**

环境风险: **高** 绩效评分: -236.7

所属行业: 污水处理... 最近更新: 2022

3 北京燕山()水务有限责任公司 [+关注](#)

所在地: 北京 / 北京 环境绩效: **C**

环境风险: **中高+** 绩效评分: -26.8

所属行业: 污水处理... 最近更新: 2020

4 ()资源利用(北京)有限公司 [+关注](#)

所在地: 北京 / 北京 环境绩效: **C**

环境风险: **中高+** 绩效评分: -32.7

InsBlue, Data Produces Future Insight

- My Dashboard
- Monitoring
- Climate Change
- Training
- Disclosure
- Green Finance
- Training
- Resource
- My Account

Enterprise Information Disclosure	• The enterprise has conducted public disclosure , please visit our website at "Disclosure" section.
Online Data	• The enterprise has no exceedances of daily average emission standard/no online monitoring record had been disclosed to the public in the past 3 months.
Rectification	• No pollutant discharge rectification record was found through public data screening process.
Performance Rating by GOV	• According to the public datasets published on 2021-03-11, the current rating level of performance for the selected company is C (The performance rating system is developed from the information provided by different environmental government agencies. This rating system is used for classifying the emission performance of the most polluting industries). For further details, please visit our website at " (Environmental) Performance Rating by GOV" section.
Positive List	• The selected company is not in the positive list of environmental supervision and enforcement records.
Environmental Credit Rating	• According to the public datasets, the environmental credit level is rated as Blue by GOV in 2023.
Region Information Transparency	• The regional environmental supervision level of the city is ranked 18th highest among 372 cities nationally.

Enterprise ESG Data

Environmental **139** Social **12** Governance **11** Disclosure **9**

Env. Supervision⁷⁸ Required Rectification⁰ Production Restriction¹² Exemption from Production Restriction⁰ Pollutant Discharge Permit¹⁵ Exemplary List⁰ Online Data⁰ Hazardous Waste Business Permit⁰ Heavy Metal⁰
Key Pollutant Discharge Unit Env. Credit by GOV⁶ Emergency Emission Reduction⁵ Cleaner Production Audit⁶ Green Manufacturing¹ Env. Emergency⁰ Env. Inspection⁰ Supervisory Monitoring⁵ Other Env. Supervisory Action⁰ Double-Random Supervision¹
 Key GHG Emission Unit⁰ Key Energy Consumption Unit⁰ Key Water Consumption Unit⁰ Energy/Water Efficiency Leading Enterprises⁰ Energy/Water Saving Certification⁰

No.	Source	Publication Date	Violation Type	Fines (10,000 RMB)
1	唐环罚决〔2023〕01-28号, 信用中国, 2023-10-20	2023-10-20	Air Emissions	6.0
2	唐环罚决〔2023〕17-18号, 唐山市生态环境局海港经济开发区分局, 2023-05-22	2023-05-22	Solid Waste	25.0
3	唐环罚决〔2023〕17-15号, 唐山市生态环境局海港经济开发区分局, 2023-05-08	2023-05-08	Air Emissions	6.0
4	唐山中润煤化工有限公司〔2023〕17-6号行政处罚决定书公示,唐山市生态环境局,2023-05-05	2023-05-05	Air Emissions	7.0
5	唐山中润煤化工有限公司唐环罚〔2022〕17-12号行政处罚决定书公示, 唐山市生态环境局, 2022-09-05	2022-09-05	Air Emissions	10.0
6	唐山中润煤化工有限公司按日连续处罚决定书公示, 唐山市生态环境局, 2022-07-19	2022-07-19	Air Emissions	20.0
7	唐山中润煤化工有限公司唐环罚〔2022〕17-7号行政处罚决定书公示, 唐山市生态环境局, 2022-06-01	2022-06-01	Air Emissions	8.0
8	唐山中润煤化工有限公司唐环罚〔2022〕17-10号行政处罚决定书公示, 唐山市生态环境局, 2022-06-01	2022-06-01	Air Emissions	6.0
9	唐山中润煤化工有限公司唐环罚〔2022〕17-11号行政处罚决定书公示, 唐山市生态环境局, 2022-06-01	2022-06-01	Air Emissions	3.0
10	唐山中润煤化工有限公司唐环罚〔2022〕17-9号行政处罚决定书公示, 唐山市生态环境局, 2022-06-01	2022-06-01	Air Emissions	7.0
11	河北省生态环境厅公开通报2021年以来固定污染源自动监控设备运维管理存在突出问题的企业和运维单位, 河北省生态环境厅, 2021-08-30	2021-08-30	Other	0.0
12	唐山中润煤化工有限公司唐环罚【2021】17-46号处罚决定书公示, 唐山市生态环境局, 2021-08-30	2021-08-30	Air Emissions	6.0
13	唐山中润煤化工有限公司唐环罚【2021】17-39号处罚决定书公示, 唐山市生态环境局, 2021-08-30	2021-08-30	Air Emissions,Other	2.0
14	唐山中润煤化工有限公司唐环罚【2021】17-42号处罚决定书公示, 唐山市生态环境局, 2021-08-05	2021-08-05	Air Emissions	10.0
15	唐环罚字【2021】17-20号,唐山市生态环境局海港经济开发区分局,2021-07-21	2021-07-21	Air Emissions	0.0

Results per page 15

Green Supply Chain CITI Index

2014 ~ 2023

信息公开引导供应链绿色转变
CITI指数十年回顾 (2014-2023)

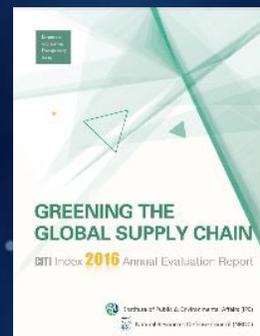
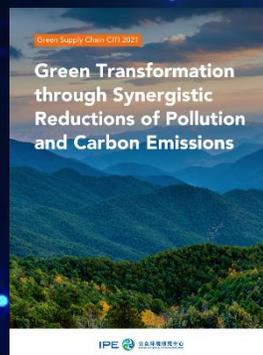


IPE 公众环境研究中心
Institute of Public & Environmental Affairs

供应链CITI & CATI指数2022
构建全球企业责任



IPE 公众环境研究中心
Institute of Public & Environmental Affairs



Global Corporate Accountability Map



required factory to report its annual i data.

This factory, through motivation from its stakeholder Apple, actively registry (PRTR) data.

Nantong

推动一家电池厂公开了年度节能减排数据

该厂在其利益方微软的推动下, 积极填报了2017、2018、2019、2020、2021年PRTR数据.

珠海

required factory to issue an explanation for supervision record(s).

This factory, through motivation from its stakeholder Primark, actively communicated with environmental groups to issue an explanation for its supervision record(s) from the year(s) 2018, 2022.

Dongguan

Publication Date: 2022-01-29

required factory to report its annual i data.

This factory, through motivation from its stakeholder Foxconn, active transfer registry (PRTR) data.

Nantong

推动一家电池厂公开了年度节能减排数据

该厂在其利益方华为的推动下, 积极填报了2017、2018、2019、2020、2021年PRTR数据.

珠海

required textile mill to conduct an audit for its supervision record(s).

This factory, through motivation from its stakeholder Inditex, actively communicated with environmental groups to implement corrective actions for its supervision record(s) from the year(s) 2016, 2017, 2020, and underwent a third-party audit to verify the effectiveness of its corrective actions.

Yibin

Publication Date: 2022-01-29

required factory to report its annual i data.

This factory, through motivation from its stakeholder Cisco, actively registry (PRTR) data.

Nantong

推动一家电池厂公开了年度节能减排数据

该厂在其利益方戴尔的推动下, 积极填报了2017、2018、2019、2020、2021年PRTR数据.

珠海

required factory to disclose its annual resource use and emissions data.

This factory, through motivation from its stakeholder Adidas, actively reported its 2013, 2014, 2015, 2019, 2020 pollutant release and transfer registry (PRTR) data, which have already been publicly disclosed via IPE's website.

Qingdao

Publication Date: 2022-01-29

Brand Action All Actions more >>

required factory to issue an explanation for supervision record(s).

This factory, through motivation from its stakeholder Apple, actively communicated with environmental groups to issue an explanation for its supervision record(s) from the year(s) 2016, 2017.

Hanzhong

供应链气候行动 CATI 指数

Supply Chain Climate Action CATI Index



BUILDING GLOBAL
CORPORATE ACCOUNTABILITY



Corporate Climate Action Index

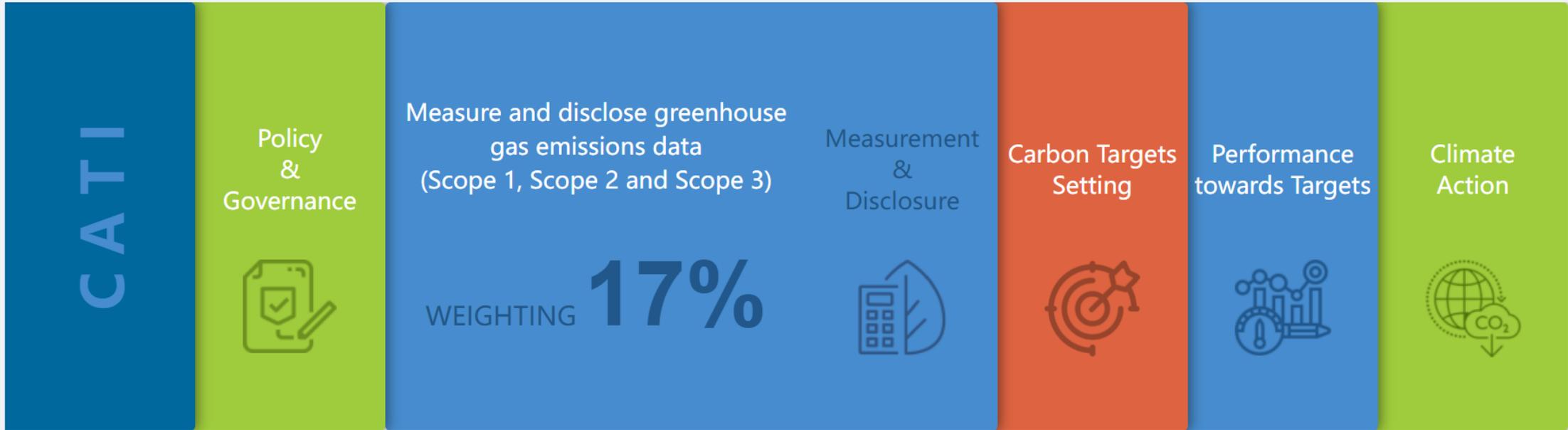
企业气候行动CATI指数2021

双碳目标 相向而行



供应链气候行动 SCTI指数2020





The Corporate Climate Action Transparency Index (CATI)

Developed by IPE in 2021, the Corporate Climate Action Transparency Index (CATI) dynamically assesses corporates' performance on corporate and value chain level climate action performance. CATI aims to direct corporates' focus and efforts to reducing GHG emissions from their supply chain by awarding points for corporate GHG behavior more directly proportionate to where a company's GHG emissions lie.

Search CATI scores for overall evaluation. For updates on corporate action day-to-day, see the [Communication Updates](#).



2023 CATI Index - TOP50

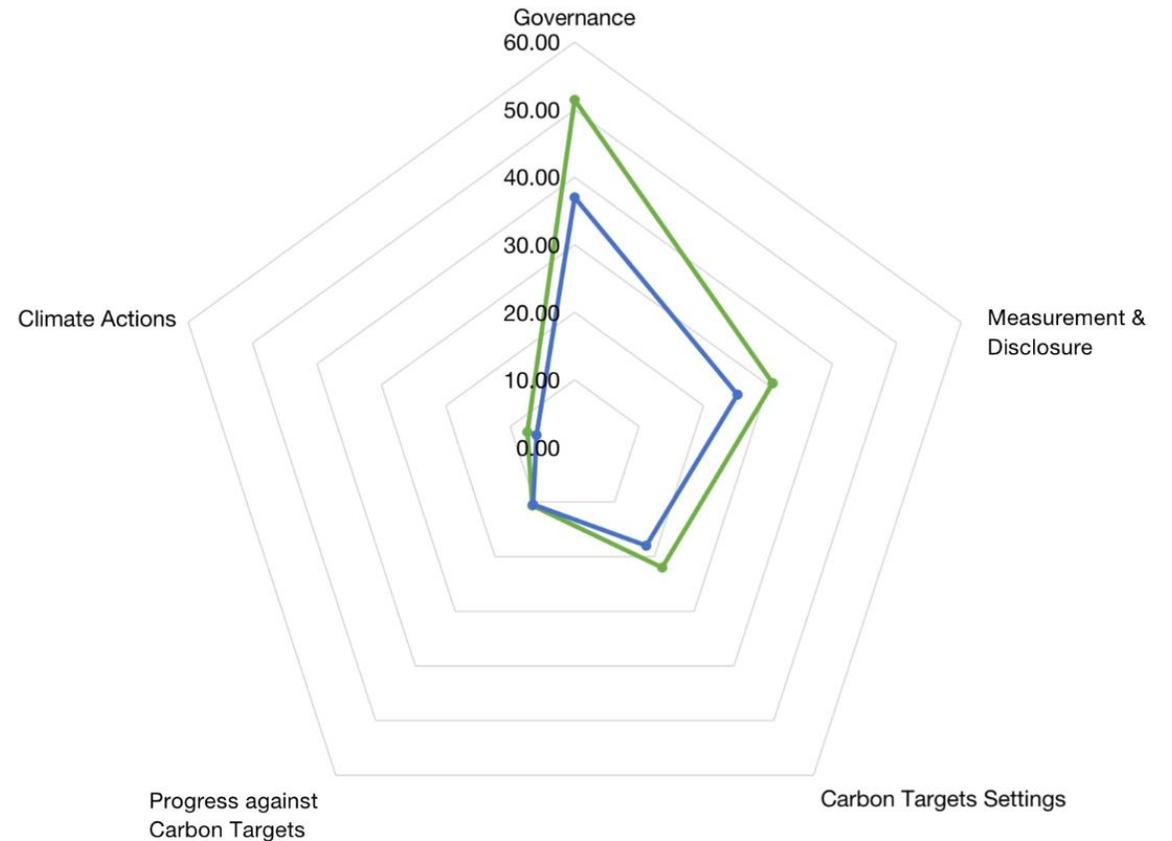
01 adidas 81.2	02 PUMA 79.8	03 CISCO 79.6	03 DELL Technologies 79.6	05 FOXCONN® 77.5	06 Apple 77	07 NIKE 76.8	08 INDITEX 76.4	09 LEVI STRAUSS & CO. 76	10 M&S EST. 1884 75.6
11 Microsoft 69.4	12 LUXSHARE ICT 67	13 PRIMARK® 66.4	14 new balance 65.8	15 Lenovo 65.2	16 AVARY HOLDING 63.5	17 TARGET 63.4	18 LONGI 60.4	19 花王 kao 58.3	20 LINDEX 57.8
21 VF 57.6	22 TESCO 57.4	23 intel. 56.2	24 Gap Inc. 56	25 DANONE 54.8	26 SCHAEFFLER 54.6	27 ANTA 53.6	28 BESTSELLER® 52.8	29 雀巢 Nestlé 51.8	30 asics 51.6
31 Panasonic 51	32 UPM 50.8	33 hp 50.4	34 L'ORÉAL 48.6	35 RALPH LAUREN 48.4	35 Canon 48.4	37 ZF 47.6	38 C&A 47.4	39 TENDAM GLOBAL FASHION RETAIL 47	40 Carrefour 46.6
41  46.3	42 CHANEL 45.8	43 MANGO 45.6	43 Colgate® 45.6	45 UNI QLO 45.2	45 SEAGATE 45.2	47 storaenso 45	47 ERICSSON 45	49 TOYOTA 44.8	49 Coca-Cola 44.8

Comparison between 2022-2023 CATI Index

- Driven by global climate situation, companies under evaluated have expanded the breadth and depth of their corporate climate governance, resulting in the overall average score increased by nearly 3 points.
- Except for the indicator “Progress against Carbon Targets”, the other four indicators have shown an upward trend, with Governance and “Measurement and Disclosure” showing a higher rise.
- “Climate Actions” have only seen a slight increase, with the scale of emission reduction actions still needs to be improved, and the performance of emission reduction projects needs to be disclosed.
- The number of companies tracking their progress towards targets is limited, almost the same as last year (average score of 10%).

Comparison of 2022 and 2023 CATI evaluation score rates by dimension

legend — 2023 — 2022



2023 CATI by Industries

legend ■ Highest Score — Average Score — Standard Deviation

22 industries,
742 companies



CATI Index

Chinese Listed Company

01 工业富联 SH. 601138 A	02 立讯精密 SZ. 002475 BBB	03 宝钢股份 SH. 600019 BBB	04 鹏鼎控股 SZ. 002938 BBB	05 联想集团 HK. 00992 BB	06 隆基绿能 SH. 601012 BB	07 环旭电子 SH. 601231 BB	08 中国石化 * SH. 600028 BB	09 新奥能源 HK. 02688 BB	10 华润电力 HK. 00836 BB
11 中国石油 * SH. 601857 BB	12 华电国际 * SH. 600027 BB	13 京东物流 HK. 02618 BB	14 晶苑国际 HK. 02232 BB	15 中兴通讯 * SZ. 000063 BB	16 大唐发电 * SH. 601991 BB	17 顺丰控股 SZ. 002352 BB	18 华能国际 * SH. 600011 BB	19 中国铝业 * SH. 601600 BB	20 中国海洋石油 * SH. 600938 BB
21 伊利股份 SH. 600887 BB	22 马钢股份 * SH. 600808 B	23 福耀玻璃 * SH. 600660 B	24 蒙牛乳业 HK. 02319 B	25 阿里巴巴 -SW HK. 09988 B	26 太古地产 HK. 01972 B	27 南山铝业 SH. 600219 B	28 协合新能源 HK. 00182 B	29 蓝思科技 SZ. 300433 B	30 上海家化 SH. 600315 B
31 宁德时代 SZ. 300750 B	32 昆仑能源 HK. 00135 B	33 中民控股 HK. 00681 B	34 济丰包装 HK. 01820 B	35 网易 -S HK. 09999 B	36 日照港裕廊 HK. 06117 B	37 吉利汽车 HK. 00175 B	38 远洋集团 HK. 03377 B	39 华润燃气 HK. 01193 B	39 国投电力 SH. 600886 B
41 中国外运 * SH. 601598 B	42 京东集团 -SW HK. 09618 B	43 VITASOY INT'L HK. 00345 B	44 李宁 HK. 02331 B	45 普星能量 HK. 00090 B	46 现代牧业 HK. 01117 B	46 京能清洁能源 HK. 00579 B	48 歌尔股份 SZ. 002241 B	1家A 3家BBB 17家BB 27家B	



中国上市公司 气候行动CATI指数2022

CHINESE LISTED COMPANY
CLIMATE ACTION INDEX 2022

CATI Index: Listed steel companies

Progress 1

More than half of the listed companies in the steel industry have calculated and disclosed carbon emissions.

Progress 2

11 listed companies in the steel industry have calculated and disclosed product carbon footprints(PCF)

Progress 3

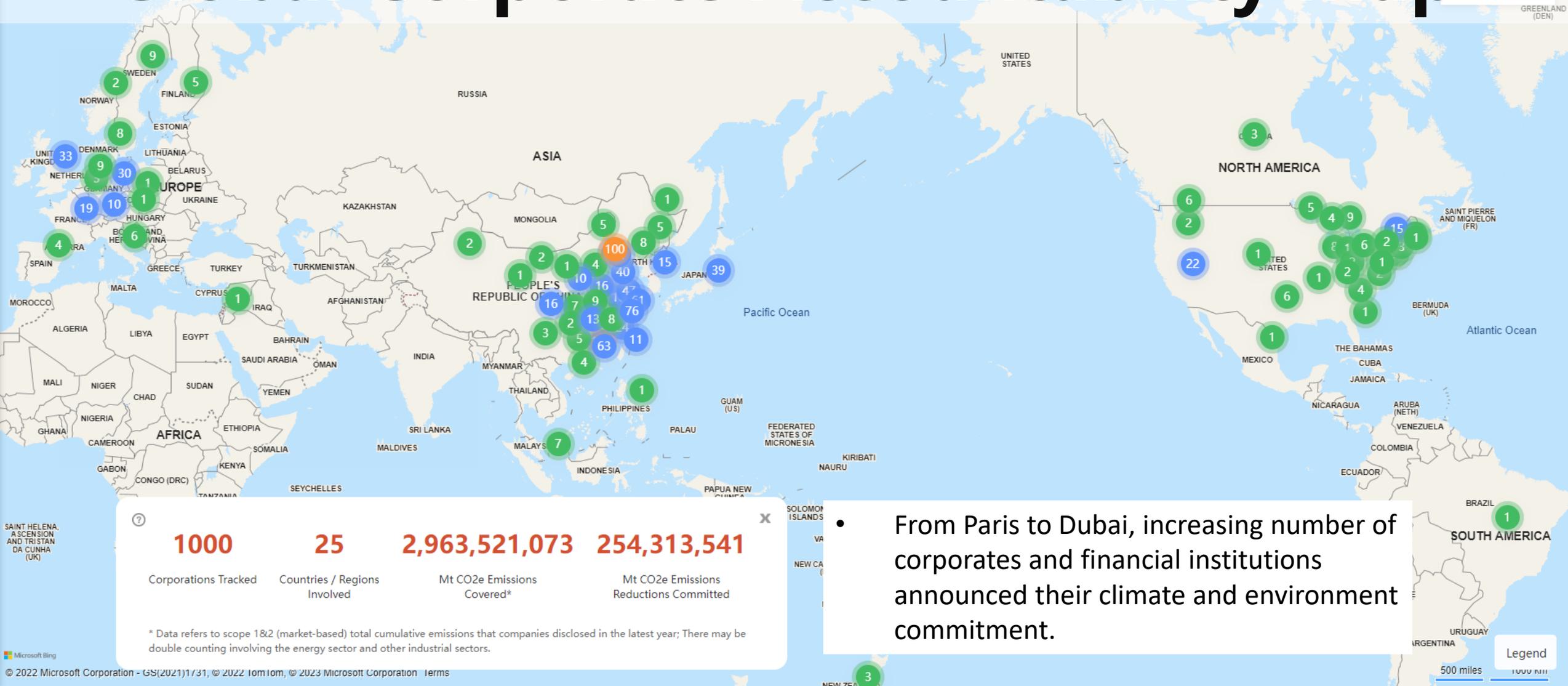
Nearly 40% of the listed companies in the steel industry disclosed climate targets

- 16 companies including BAOSTEEL, MA STEEL committed to achieve carbon peak at 2023



- Supply Chain
- Blue EcoChain
- CATI Evaluation
- CITI Evaluation

Global Corporate Accountability Map



1000	25	2,963,521,073	254,313,541
Corporations Tracked	Countries / Regions Involved	Mt CO2e Emissions Covered*	Mt CO2e Emissions Reductions Committed

* Data refers to scope 1&2 (market-based) total cumulative emissions that companies disclosed in the latest year; There may be double counting involving the energy sector and other industrial sectors.

- From Paris to Dubai, increasing number of corporates and financial institutions announced their climate and environment commitment.

全球企业责任地图

English

请输入您要搜索的品牌名称

搜索

按是否有气候目标

全部 是 否

按行业 全部行业



零售 日化 纸业 医药



汽车 汽车零部件 多元化 自行车/助力车



光伏 石化 电力 燃气



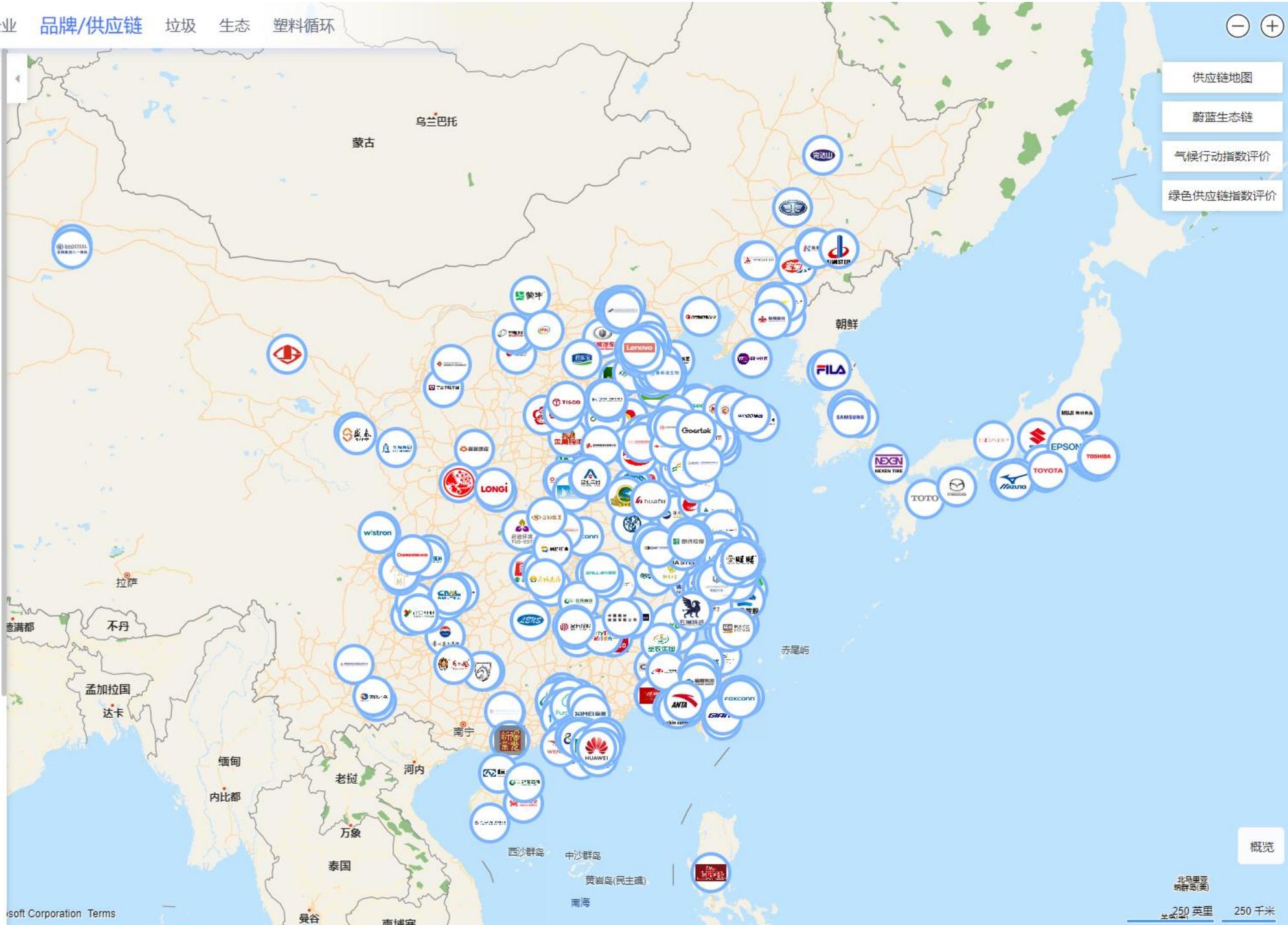
光伏 石化 电力 燃气



光伏 石化 电力 燃气



光伏 石化 电力 燃气



供应链地图

蔚蓝生态链

气候行动指数评价

绿色供应链指数评价

概览

北马亚

250 英里

250 千米

Global Business Accountability Map 中文



Cisco

CITI Score 74.64

CATI Score 73.20

Brand Target more >



Scope1+2+3

Carbon Neutrality



Scope1+2

(Base year 2007)



Scope1+2

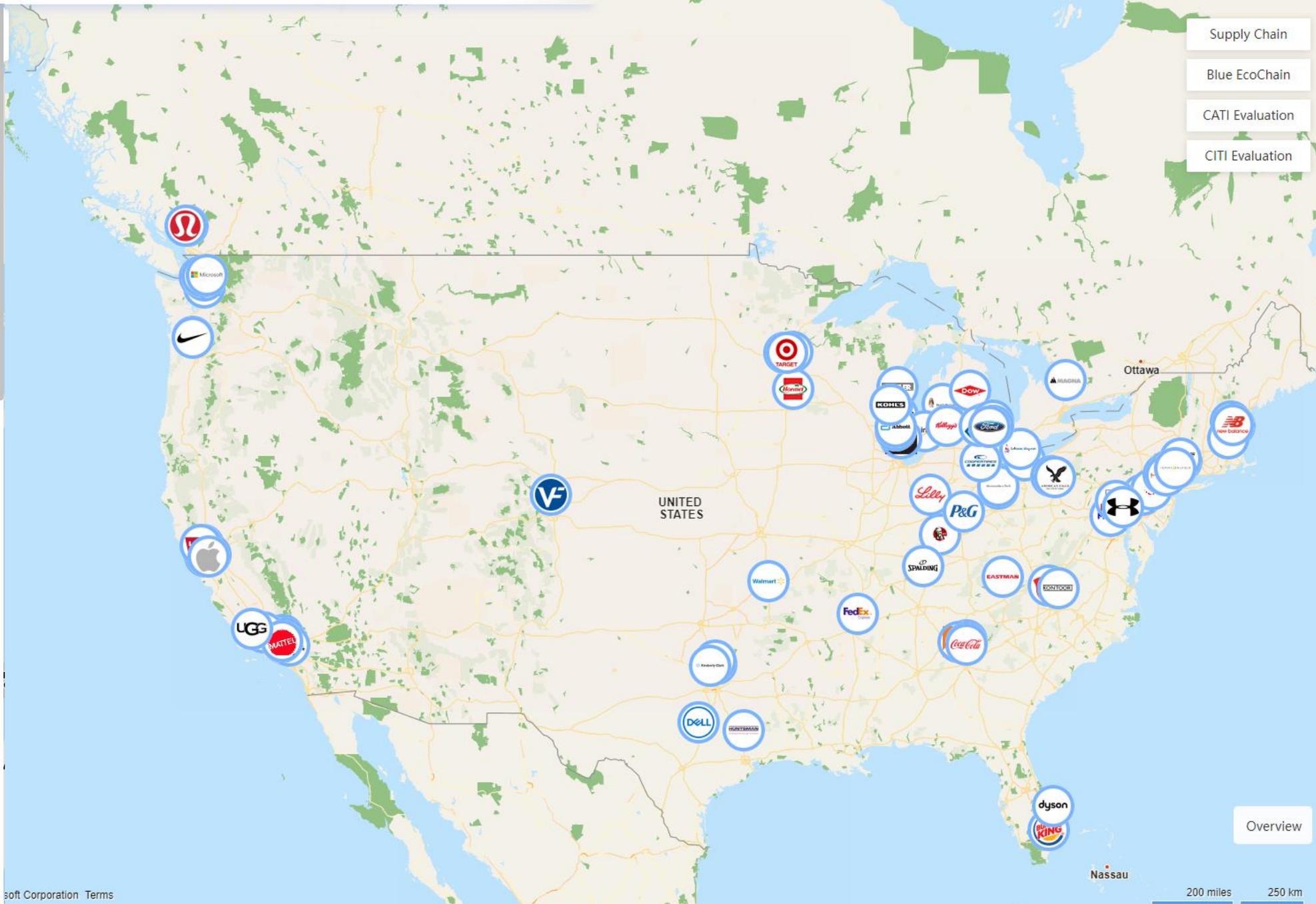
(Base year 2019)



Scope3

(Base year 2019)

Brand Action All Actions more >



- Supply Chain
- Blue EcoChain
- CATI Evaluation
- CITI Evaluation

Overview

200 miles 250 km

全球企业责任地图

English



INDITEX

Inditex

CITI 得分 **80.62**

CATI 得分 **75.60**

减排目标

[详情 >](#)



范围1+2+3

碳中和



范围1+2

(基准年2018)



范围3

(基准年2018)

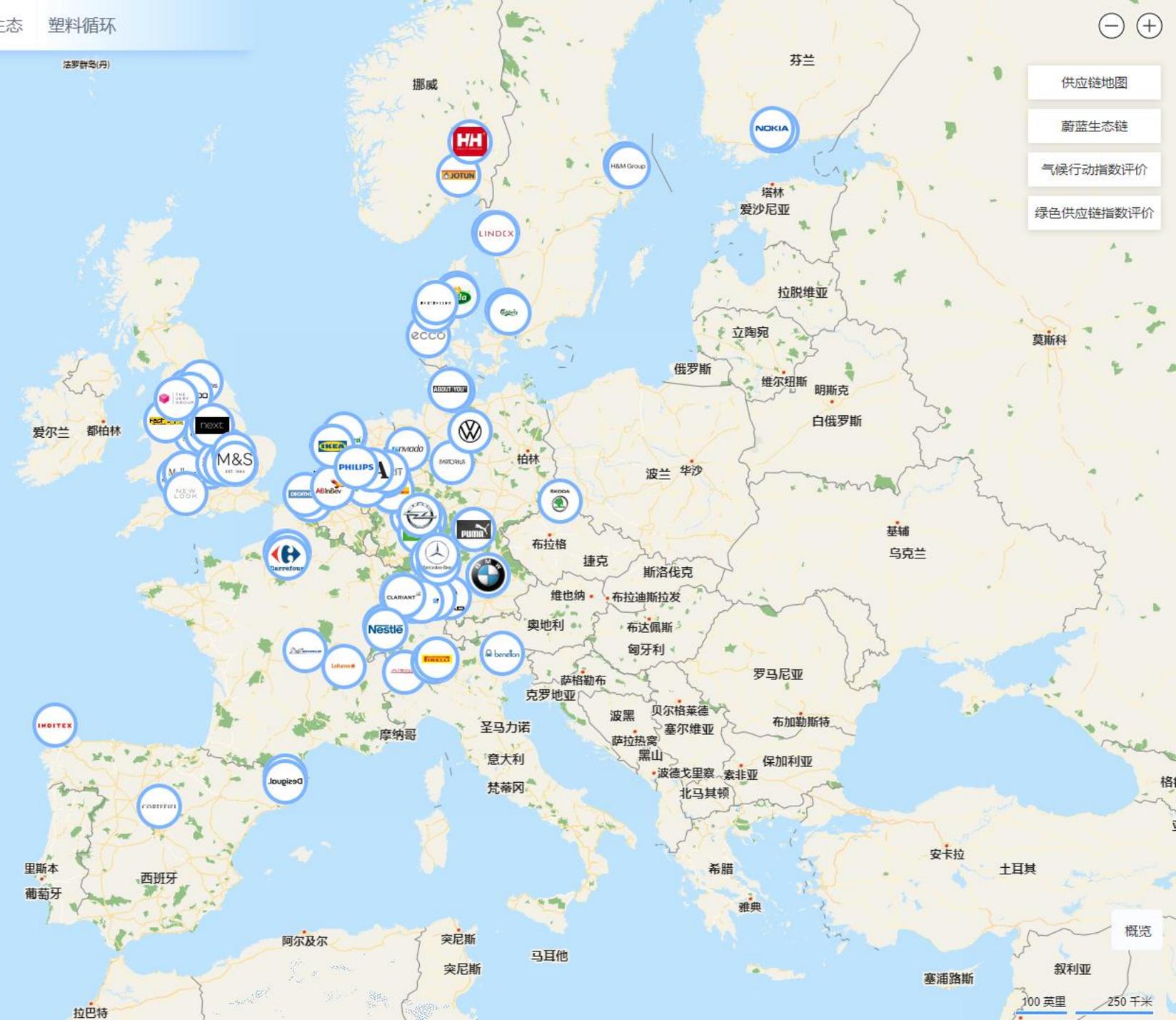
企业行动

合力推动

[详情 >](#)

推动一家印花厂填报了年度节能减排数据

Microsoft Corporation Terms



- 供应链地图
- 蔚蓝生态链
- 气候行动指数评价
- 绿色供应链指数评价

[概览](#)

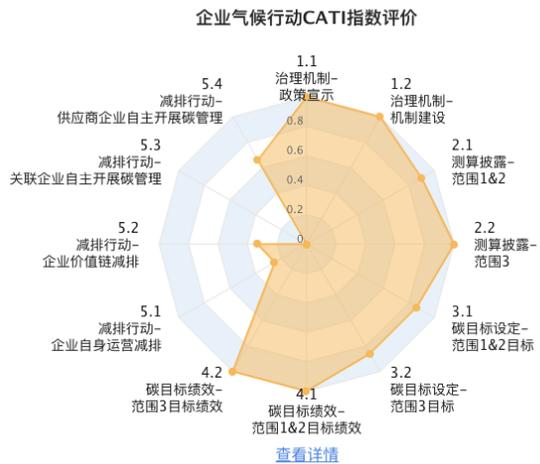
100 英里 250 千米

企业概况

名称 Inditex
 总部 西班牙
 行业 纺织, 皮革
 股票代码 0QWIL

CATI **75.60** / 100
 总排名 NO.3 / 1000

CITI **80.62** / 100
 总排名 NO.2 / 650



气候及环境目标

范围1+2+3
碳中和

目标进展

进行中

范围1+2
(基准年2018)

目标进展

90%
2030

范围3
(基准年2018)

目标进展

20%
2030

企业概况

名称 宝马
 总部 德国
 行业 汽车
 股票代码 -

CATI **32.56** / 100
 总排名 NO.72 / 655

CITI **13.01** / 100
 总排名 NO.128 / 590



气候及环境目标

范围1+2+3
碳中和

目标进展

达成情况未知

范围1+2
(基准年2019)

目标进展

达成情况未知

企业概况

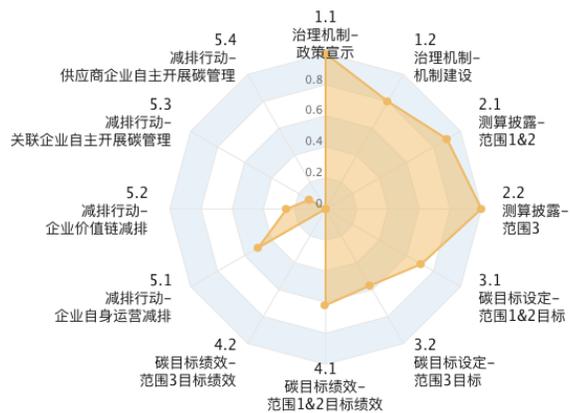
名称 宝山钢铁股份有限公司
总部 中国大陆
行业 钢铁
股票代码 600019

CATI

55.60 / 100

总排名 NO.19 / 1000

企业气候行动CATI指数评价



[查看详情](#)

气候及环境目标



范围1+2
碳中和

目标进展

达成情况未知



范围3
碳中和

目标进展

达成情况未知



范围1+2
(基准年2020)

目标进展

-30%

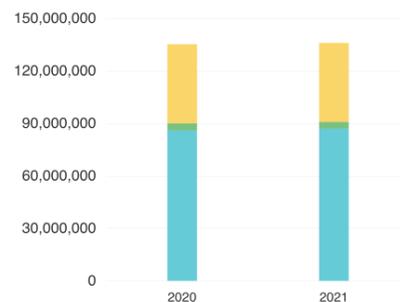
2035

排放状态

范围1、2、3排放

按年份

单位: 吨二氧化碳当量



范围3排放

按类别

单位: 吨二氧化碳当量



● 外购商品和服务排放量 ● 资本货物排放量 ● 上游运输和分销排放量
● 商务旅行排放量 ● 员工通勤排放量 ● 下游运输和分销排放量
● 售出商品使用寿命结束处理排放量

碳排放管理

供应链 (范围3)

范围 1+2

政策宣示

- 将供应商温室气体核算与报送纳入供应商行为准则
- 引导低碳、可持续消费, 开展价值链减排

● 开展 ○ 未开展

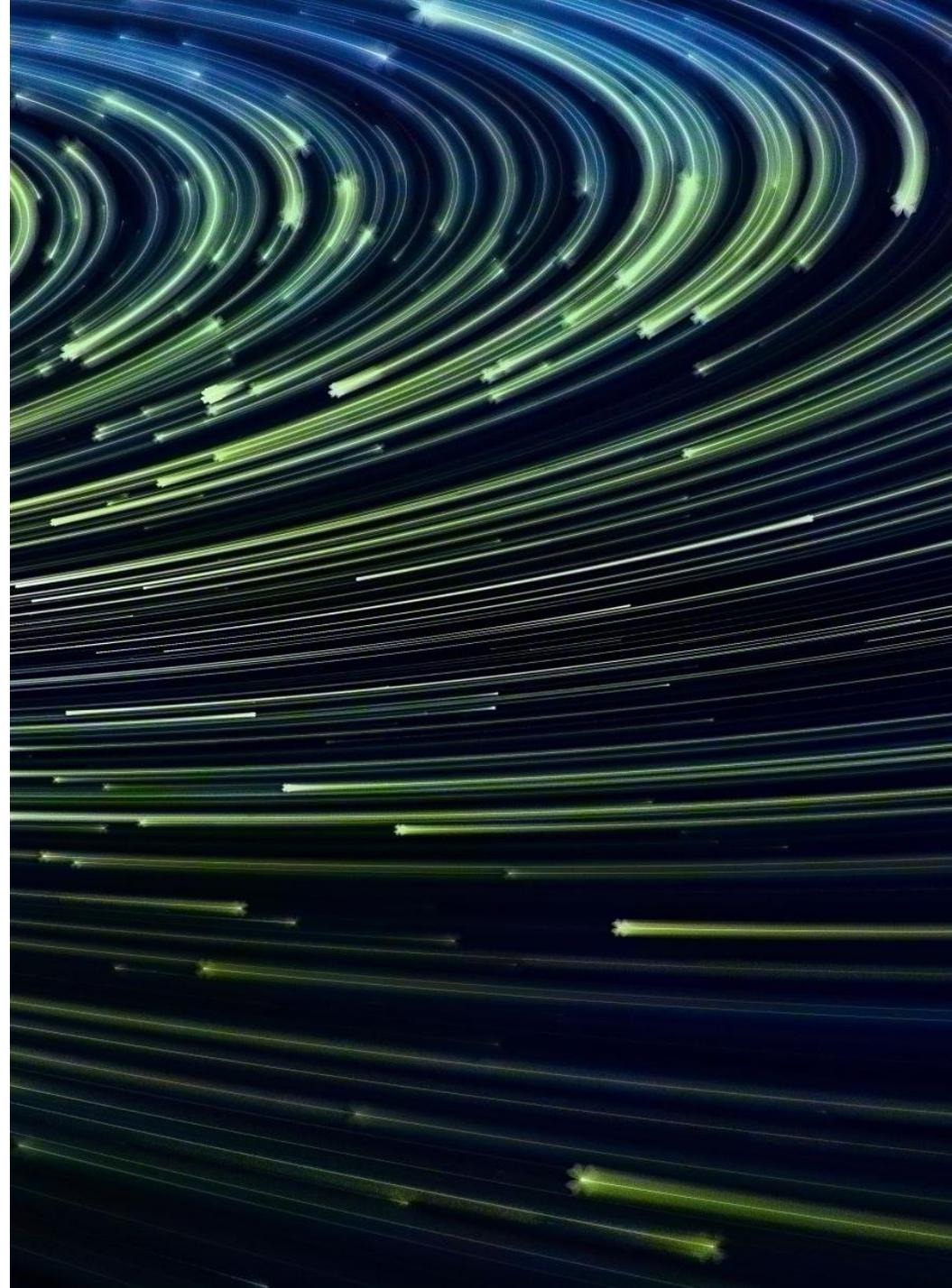
测算披露

- 测算并披露范围3排放量
- 定期收集供应商实际排放数据

● 开展 ○ 未开展

Blue Map for Zero Carbon

- Build carbon data infrastructure
- Conduct data-based assessment
- **Create digital solutions**



Leading brands incorporate Blue Map into sourcing standards



Ranked No. 1 out of 662 companies across all industries and 48 information technology companies. Developed by IPE in 2021, this assessment focuses on brands' performance on corporate and value chain-level climate action performance.

— *DELL TECHNOLOGIES FY22 ESG REPORT*



To this end, we have an ongoing partnership with the Institute of Public and Environmental Affairs(IPE). As a result of our work to mitigate environmental risk from supplier sites in mainland China, we were ranked #1 in the IT industry on IPE's most recent Corporate Information Transparency Index (CITI). Ongoing engagement with suppliers includes virtual training seminars and coaching to help suppliers correct pollution violations. By building the capability of suppliers we can influence better environmental performance and transparency further down in the supply chain and across our industry.

— *2021 Cisco Purpose Report*



We use the Institute of Public & Environmental Affairs system to track environmental noncompliance in our supply base and to drive corrective action and information disclosure..... In FY22, 271 suppliers' factory SEA teams attended IPE program training in March 2022, 142 suppliers reported joining the IPE platform so they can automatically receive IPE information and self-track compliance, 109 suppliers reported using the IPE program to check their sub-tier suppliers and chemical vendors, hazardous waste vendors, and/or wastewater treatment stations to extend their supply chain compliance management.

— *Microsoft Devices Responsible Sourcing Report FY22*



IPE is a leading non-profit environmental research organization based in Beijing dedicated to collecting, collating, and analyzing government and corporate environmental data. Through its platforms and partnerships, IPE works to achieve environmental transformation, promote environmental information disclosure, and improve environmental governance mechanisms. As the first recipient of IPE's Corporate Information Transparency Index Master's Level Designation, Apple is committed to actively engaging our suppliers in China to help achieve our climate resource conservation goals, and to help others in the industry do the same.

— *People and Environment in Our Supply Chain: 2022 Annual Progress Report*



Intel is working to better understand our supply chain's compliance to environmental laws in China. In support of this goal, we are working with the non-profit environmental research organization, the Institute of Public Environmental Affairs (IPE) to provide Intel with pertinent environmental compliance information... If Intel receives notification of any open non-compliance issues from IPE for a given supplier, Intel will notify the supplier in writing with detailed instructions. Intel expects Supplier to address or close the issue within 6 months. Failure to close identified issues with IPE within 6 months of Intel notifying the supplier will impact supplier report card scoring.

— *Intel SPARC Environmental Footprint*



During 2021, we continued encouraging our suppliers to submit inventories of substances released through IPE's public pollutant release and transfer register system, and cross-checked supplier sites representing 95% of our spend against IPE's public database of environmental violations. We also collaborated with first-tier manufacturing suppliers in China to determine whether sub-tier suppliers complied with local environmental laws. This review of 730 sub-tier suppliers identified 27 reported violations in 2021. Of these, 18 had been corrected as of November 2021, and we continue working with the relevant first-tier suppliers and IPE to address and resolve the remaining issues. Business with several sub-tier suppliers has been suspended due to unaddressed environmental violations.

— *2021 HP Sustainable Impact Report*

Incorporate Blue Map into sourcing standards

C&A



In addition, we monitor C&A's position on respected transparency ratings and indices, such as ... the Institute of Public and Environmental Affairs (IPE) Corporate Information Transparency Index (CITI) Ranking, conducted annually by IPE, a non-profit environmental research organization based in China covering 20 industries with a presence in China, including apparel ... C&A China ranked the highest of all evaluated companies — both within and outside the apparel industry — for the IPE CITI ranking.

— *C&A GLOBAL SUSTAINABILITY REPORT 2020*

RALPH LAUREN



We explicitly state in our Vendor Compliance and Operating Standards that all suppliers are required to adhere to all applicable laws and regulations of the regions where they operate, including, but not limited to the local environmental standards. We have the right to terminate our business relationship should the supplier fail to comply with the applicable laws and regulations. In addition to that, we are screening our supply base for any potential significant environmental impacts through the Higg Index Facility Environmental Module and IPE Supervision platform (the latter is specific to China-based facilities). If an issue is found, we require the supplier to take corrective action and put in place preventive measures to avoid recurrence. Specifically, on any violation record found on the IPE platform, we also require the facilities—at a minimum—to publish enterprise feedback onto the platform, which details the corrective and preventive measures taken.

— *2021 Global Citizenship Sustainability Report*

BESTSELLER



To be a BESTSELLER supplier, new suppliers are required to remediate all violation records on IPE's public database. If factories want a higher rating, they are encouraged to share their pollutant data (PRTR data) and demonstrate that they are monitoring their overall environmental footprint and setting targets to reduce their impacts... BESTSELLER is part of IPE's Global Brand Map initiative, a publicly accessible map where you can see our suppliers' environmental performance in real-time, as well as our suppliers' remediation history... We also encourage our direct suppliers to use IPE's Blue Eco-chain to monitor the performance of partners in their own supply chain.

— *BESTSELLER SUSTAINABILITY REPORT 2021*



LS&Co. uses the IPE Blue Map environmental database to monitor our suppliers in China, all of which are registered to the database. We have also shared our supplier factory list and data with the IPE Green Supply Chain Map, which provides real-time performance data and historical trend information related to air emissions and wastewater discharge.

— *Levi Strauss & Co. 2020 Sustainability Report*

INDITEX



Inditex works with the Chinese Institute of Public and Environmental Affairs (IPE) on the continuous improvement of environmental management in our supply chain in that market. The IPE publishes the results of factories' wastewater analyses and has acknowledged Inditex's endeavours to improve the environmental performance of its supply chain. In its global ranking of brands, Inditex ranks fourth in the textile sector (fifth globally). In addition to textile facilities, the IPE oversees upstream chemical suppliers and centralised effluent treatment plants.

— *Inditex Collaborating to Transform 2021*

PRIMARK



Primark has worked with China's Institute of Public and Environmental Affairs (IPE) since year 2016 to improve the environmental performance of all suppliers and facilities beyond our first tier in the region... Primark adopts IPE's Blue EcoChain to encourage suppliers to take ownership of their own supply chains and manage their impact on the environment... Primark is also recognized one of the leading brands who encourage suppliers to publicly disclose their environmental data on IPE platform, which includes water and energy consumption, wastewater discharge and air emissions as well as to set GHG emission reduction goals...

— *Environmental Performance Report 2020*

KONTOOR



We partner with the Institute of Public and Environmental Affairs (IPE) in China to enroll all Kontoor Brands Tier 1 and Tier 2 suppliers in China in IPE's portal for environmental policy violation monitoring. This partnership enables real-time monitoring of environmental law violations and increases visibility of issues, accelerates remediation processes and deepens our understanding of our supply chain.

— *Kontoor Brands Sustainability Report 2020*

Incorporate Blue Map into sourcing standards



PUMA therefore requires those suppliers based in Mainland China to adhere to the following reporting policies: track their own environmental performance on IPE's platform (via website or app). In the case of any violation, the Factory shall communicate with IPE to report follow-up actions; publish their environmental KPIs and other relevant data on IPE's RPTR platform as requested by PUMA.

— *The Puma Forever Faster Sustainability Handbooks Environmental Standards*



We also share our supplier factory list with the Institute of Public and Environmental Affairs (IPE) Green Supply Chain Map. IPE's map provides real-time performance data and historical trend information related to air-pollution emissions and wastewater discharge for thousands of major Chinese manufacturing factories.

— *2021 Target Corporate Responsibility Report*



To supplement our responsible sourcing strategy, we leverage the Institute of Public and Environmental Affairs (IPE) to screen our suppliers in China for environmental compliance. IPE is a nonprofit environmental research organization that collects and analyzes government and corporate environmental information to provide transparency on supplier compliance. On a regular basis, we screen our suppliers within IPE's Blue Map website to identify violations and, if found, create a corrective action plan for the respective vendor and facility to remediate within an assigned timeframe.

— *Kohl's 2021 Environmental, Social & Governance Report*



Continuing our sustainability work in China we have also collaborated with IPE which specialises in green supply chain mapping to increase the level of transparency with the factories we work with and ensure public accountability for energy consumption and waste generated.

— *Communication on Progress | 2020/2021*



Facilities in China should conduct environmental legal compliance screening and monitoring using this IPE screening tool to ensure environmental legal compliance requirements are always met. This also applies to facilities' upstream suppliers and contractors. As a best practice, the facility should conduct a violation screening quarterly..... If an environmental violation record is found the facility must communicate the violations to the relevant government agency, IPE, and VF within 10 calendar days. Facilities must immediately identify corrective actions and complete all necessary remediation efforts until the violation is delisted by IPE. The same would apply to all facilities upstream suppliers and contractors.

— *VF Facility Compliance Standards*



In 2020, 444 Carrefour supplier factories were audited based on IPE standards in the different sectors (clothing, small household goods and home appliances), including 339 tier 1 suppliers and 105 tier 2 suppliers. We note an improvement in results compared to last year: in 93% of factories inspected, no alerts were issued. In 2021, Carrefour is aiming for 100% compliance and it has moved up from 33rd to 17th place in the rankings of the brands inspected by the IPE (for all sectors). This improvement has been driven by the publication of the production sites of key integrated tier 1 and tier 2 textile suppliers, the PRTR (Pollutant Release and Transfer Register) environmental impact reports completed by 20 suppliers and shared with the IPE, and the results of the first assessments performed on tier 3 suppliers.

— *CARREFOUR UNIVERSAL REGISTRATION DOCUMENT 2020 ANNUAL FINANCIAL REPORT*



We pilot employing IPE's Blue Map Database in supplier environmental compliance management in the industrial processes responsible for the production of clothing, footwear and other textiles (e.g. sleeping bags)... we plan to expand the pilot to other industrial processes. We also encourage suppliers to conduct self management using IPE's database.

— *2021 Non Financial Reporting Declaration 2021*

Incorporate Blue Map into sourcing standards



DWC adheres to an open and cooperative attitude. In 2016, we have established cooperation relationship with the Institute of Public and Environmental Affairs (IPE), and apply its database to retrieve suppliers environmental compliance regularly (quarterly). After that procurement, quality and sustainability departments of DWC will jointly promote the improvements that is detected by the retrieval of suppliers.

— Danone Waters China OPOH Progress Report



Based on supply chain information published by the Institute of Public & Environmental Affairs (IPE), a Chinese environmental NGO, we help secondary and tertiary suppliers and other Chinese businesses located in the upstream of the supply chain to reduce environmental risk by making recommendations and carrying out improvements. By sharing information regularly and communicating with the IPE on best practice, we contribute to reducing environmental risk throughout the supply chain.

— CANON SUSTAINABILITY REPORT 2022



In China, where we have a large number of suppliers and commitment by suppliers to environmental issues have been highly demanded in the society, we have requested our suppliers—now reaching a total of about 7,000—to use our CSR Self-Assessment Checklist since fiscal 2016... The above efforts are being made under a collaboration with the Institute of Public Environmental Affairs (IPE), a Chinese environmental NGO. In IPE's Suppliers Green Supply Chain responsibility (CITI Index), which has been published since 2014, Panasonic has been listed in the top ranking companies every year. In fiscal 2021, Panasonic were ranked the third in the home appliances category.

— Environment: Collaboration Across the Supply Chain



Starting in 2015, OJI China established a supply chain screening system using the Blue Map developed by the NGO Institute of Public and Environmental Affairs (IPE) to inspect OJI's key suppliers and invested enterprises in China. Since 2017, OJI has been sending letters of inquiry to enterprises with violation records asking them to publicly explain the outcomes of their corrective action to contribute to a more environmentally-friendly society.

— Oji China Sustainability Report 2021



Since 2016, we have comprehensively screened our suppliers in China using the Blue Map Database, a platform developed by the Institute of Public & Environmental Affairs (IPE). This showed that speed of reaction, clear internal communication and risk prevention processes are key to improving compliance in our supply chain.

— ASICS Sustainability Report 2019



Since FY2019, DyStar has been utilising a tool developed by the Institute of Public and Environmental Affairs (IPE) to evaluate the environmental performance of its key suppliers and to have visibility over suppliers environmental violation. The tool creates a 'Blue Map' of shortlisted suppliers and enables DyStar to monitor the environmental performance and instances of non-compliances of these suppliers. Suppliers who have been identified for any form of non-compliance will be prompted by DyStar to address these violations and take the appropriate corrective action.

— Integrated Sustainability Report 2021-2022

Incorporate Blue Map into sourcing standards



Lenovo

Since 2021, the Company has been using IPE's Blue EcoChain tool to track the environmental performance of its suppliers and encouraging the disclosure of carbon data and greenhouse gas reduction targets.

— *Lenovo Group Limited 2021/22 Environmental Social and Governance Report*



HUAWEI



Since 2011, Huawei has participated in the Green Choice initiative, which was launched by the Institute of Public and Environmental Affairs (IPE). To encourage suppliers to better manage themselves, promptly fix any problems, and maintain environmental compliance, we continue to use the IPE's Blue Map environmental data search during supplier audits and supplier self-checks. In 2021, we carried out regular checks on the environmental records of 900 key suppliers and helped more than 10 suppliers rectify problems.

— *Huawei Investment Holding Co., Ltd. 2021 Sustainability Report*

TCL



As a cross-industry group, TCL Technology Group monitors the ESG risks of the company and its subsidiaries through on-site audit, online monitoring tools and other management measures, identify risks and require corrective actions. We also conducted online monitoring of environmental violation in our subsidiaries and supply chain via the Blue Map Database, which is ran by IPE, a well-known environmental non-profit organization in China.

— *TCL Technology Group Corporation 2021 ESG Report*



In order to implement the green procurement concept, create a green supply chain, avoid the disruption of material supply from environmental violations as well as reputation damages, Avary Holding have employed IPE's Blue Map Database and related tools to comprehensively monitor our suppliers' environmental performance.

— *Avary Holding Corporate Social Responsibility Report 2021*

FOXCONN



We use the IPE Blue Map application to monitor supplier environmental compliance performance and provide improvement counseling for suppliers that incur environmental violations. Violation records are removed from the Blue Map website for suppliers following environmental reviews and verification of rectification effectiveness. In 2021, we assisted 47 suppliers with environmental violations in removing their records. We also extended environmental management to our upstream suppliers. In 2021, we required 6 pilot suppliers to continue enhancing their own environmental performance, track environmental risks in their supply chain, review the environmental compliance of their supply chains, and remove violation records from the Blue Map website. To protect the public's right to know about their surrounding environments, the Group guided 124 suppliers in filling out PRTR (Pollutant Release and Transfer Register) data for public disclosure on the IPE website in 2021.

— *2021 Hon Hai Sustainability Report*

oppo



OPPO is investing more on the product side, introducing life cycle environmental management, continuously developing green products and greening enterprise operation so as to contribute to global carbon neutrality target OPPO was ranked as TOP 49 across all industries in IPE's Green Supply Chain CITI evaluation.

— *OPPO 2021 Sustainability Report*

Incorporate Blue Map into sourcing standards



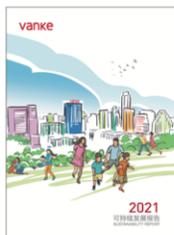
Since 2016, we have comprehensively screened our suppliers in China using the Blue Map Database, a platform developed by the Institute of Public & Environmental Affairs (IPE). This showed that speed of reaction, clear internal communication and risk prevention processes are key to improving compliance in our supply chain.

— *Li-Ning 2019 Annual Report*



We have fully launched supplier access standards and thresholds in 2021..... We also promoted green suppliers' self-assessment, and monitored the environmental information of 30 suppliers through the supply chain management platform of the Institute of Public and Environmental Affairs (IPE).

— *LONGi 2021 Sustainability Report*



In 2020, in collaboration with IPE, an online reporting platform for the Green List was established to highlight suppliers with outstanding performances in energy saving and emission reduction. In 2021, the Green List for procurement was further enlarged to a total of 22 suppliers.

— *VANKE SUSTAINABILITY REPORT 2021*



Since 2016, Landsea has been assessing upstream suppliers' environmental compliance and included it as a requirement in the "Request for Proposal", which specifies that bidders should provide supporting documents for their environmental regulatory information on Blue Map, a third-party environmental information website – Institute of Public and Environmental Affairs (IPE). Meanwhile, it has also been urging unqualified enterprises to make rectifications. When breaches of the relevant environment regulations are identified, suppliers are requested to submit public statements to Blue Map and take timely corrective measures.

— *2021 Landsea Green Properties Environmental, Social and Governance Report*



We identify and assess significant environmental and social risks in our supply chain regularly through...NGO platforms e.g.environmental supervision records of Institute of Public and Environmental Affairs ("IPE")

— *CRYSTAL GROUP SUSTAINABILITY REPORT 2021*

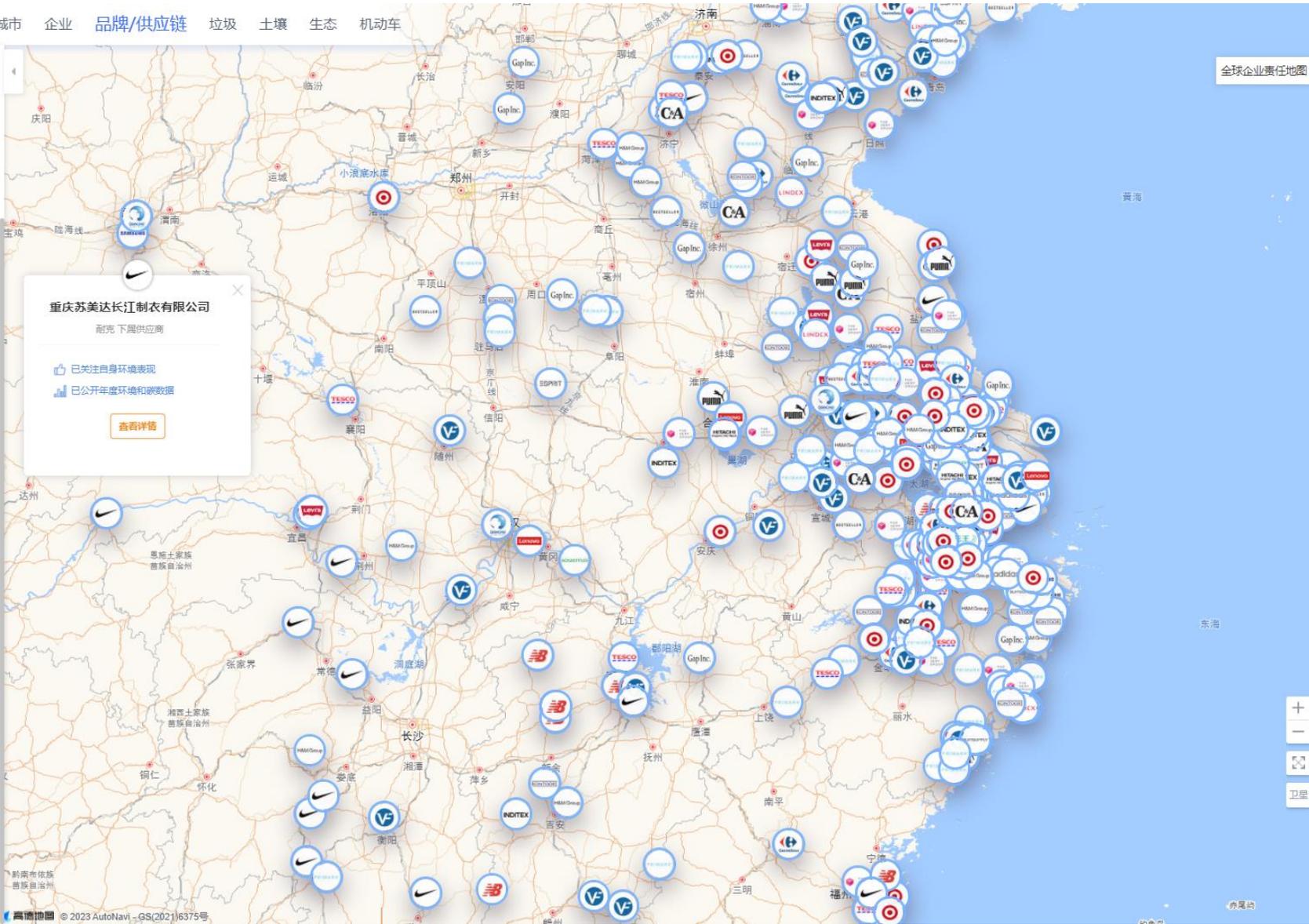


We use the Blue Map to effectively track the environmental performance of our owned projects in real time. The push notification via the Blue Map APP and emails also helps improve the efficiency of supply chain management which enables suppliers to undertake their primary responsibility for pollution management more proactively, and publicly respond to stakeholder enquiries regarding our compliance performance in a timely manner. The Blue Map has indeed become a platform for us to improve supply chain management.

— *Grandblue ESG Report 2021*

25,000+ suppliers enhance performance

↑ 表示数据超标



全球企业责任地图



免责声明：地图上的供应商信息由品牌提供IPE，地图由IPE动态更新。

Build a close loop digital MRV mechanism

Digital accounting

数据收集和申报
排放计算和核证



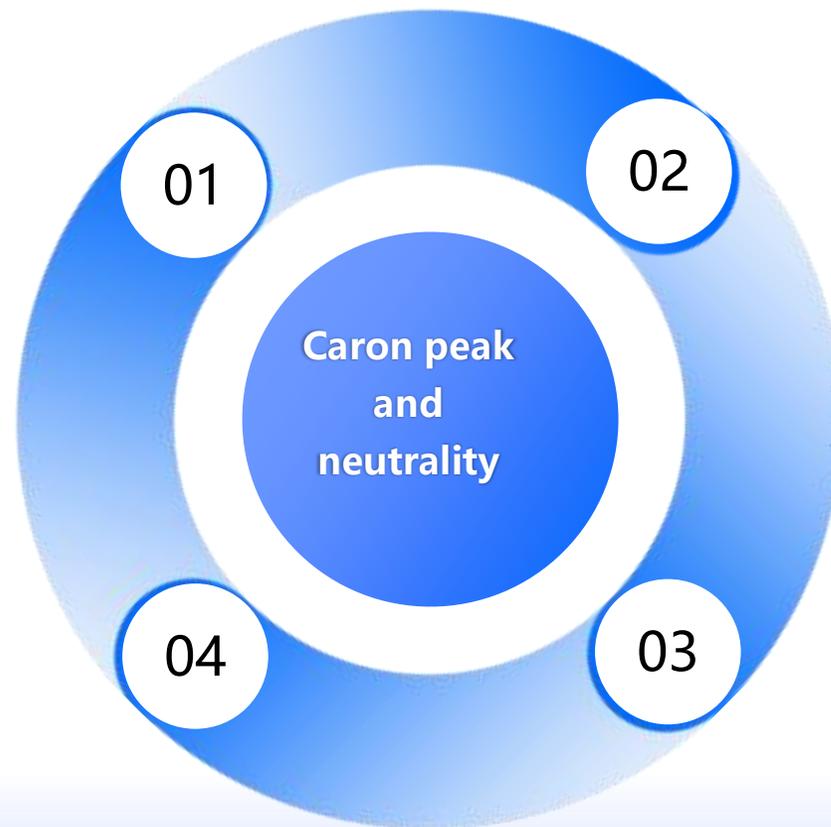
国家标准和
排放因子库

Disclosure platform

动态绩效追踪
信息披露和利益方管理



外部信息披露的要求



SBTi

近期、长期、碳
中和目标制定
对标国内外标准



国家政策法规要求

Carbon neutrality

碳中和路径与成本分析
碳中和的核证与公信力

CER/CCER
绿色电力
其它各类绿色权益

Environmental Credit Rating [2014](#) | [2015](#) | [2017](#) | [2020](#)
Carbon Data (2019)

GHG Emissions Information

Type	Volume
Total GHG emissions	554715.78tCO ₂ e
Scope 1 emissions	30301.96 tCO ₂ e
Scope 2 emissions	524413.82 tCO ₂ e
Emissions from fossil fuel combustion	30301.96 tCO ₂ e
Emissions from use of net purchased electricity	409143.96 tCO ₂ e
Scope 3 emissions	--
Purchased goods and services	--
Percentage of suppliers submitted their emissions data	--
CO ₂ e emissions from biologically sequestered carbon	--
Methodology	--
Indicate the verification status that applies to your reported emissions	Third-party verification

Activity Data

Type	Volume	Data Source	
Fossil fuel combustion	Natural Gas	1370.7045 10 ⁴ m ³	Invoice or receipt
	Motor Gasoline	132 t	Invoice or receipt
	Diesel	90 t	Invoice or receipt

Type	Volume	Data Source	
Use of net purchased electricity and heat	Net purchased electricity	581583.45 MWh	Invoice or receipt
	Net purchased heat	1047907.85 GJ	Invoice or receipt

Emissions Performance

Type	Volume
Comprehensive energy consumption	124731 *10 ⁴ tce
Energy Consumed per 10,000 RMB of Goods Produced	0.031 tce
Energy savings	3752 tce
Emissions intensity per unit of major production	--
Emissions reductions	13435 tCO ₂ e
% change	--
Reasons for any change in emissions	部分产品不可核算计算

Have an emissions target	Absolute Target							
	% reduction from base year	Base year	Base year emissions(tCO ₂ e)	Start year	Target year	Is this a science-based target	% achieved (emissions)	
Absolute target	0%	0	0	0	0	-	0%	
	% reduction from base year	Metric	Base year	Start year	Base year emissions(tCO ₂ e)	Target year	Is this a science-based target	% achieved (emissions)
Intensity target	0%	-	0	0	0	0	-	0%
Explanation for target adjustment	年初设定年度节能计划，按此计划节能项目，并计算节能及减排量，年和基年对比							

Voluntary or Pioneer Disclosure

LG Chem(Nanjing) I & E Materials Co.,Ltd

554715.78 tCO₂e

Total GHG emissions

[See details](#)

- GHG-Totals ▲
- Enterprise
- Energy
- GHG Tool
- Carbon peak Map

+

-

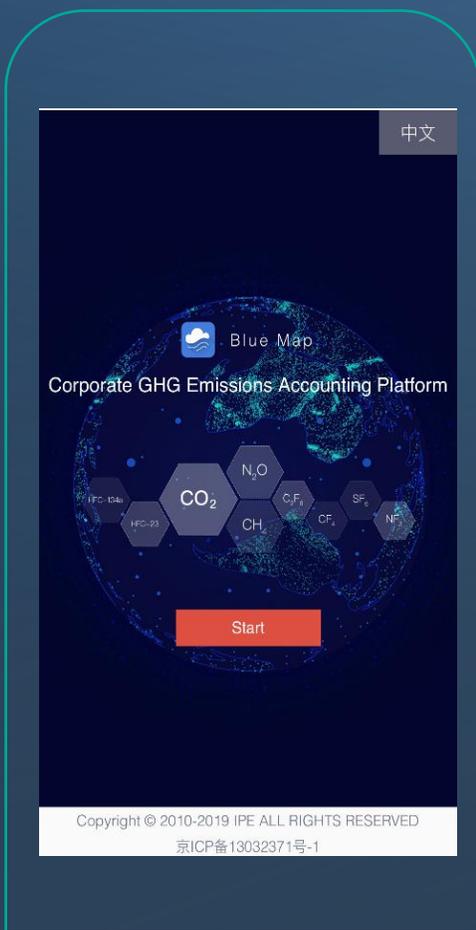
⊞

Satellite

Gap analysis: lack of capacity in corporate carbon measuring and disclosure

Corporate GHG Emissions Accounting Platform

Upgraded to
2.0 version



企业内部排放 价值链排放 可再生能源 能耗数据

电力 power **热力** heat **化石燃料燃烧** fossil fuel **工业生产过程** Industrial process **废水处理** Wastewater treatment **回收利用** recycling

* 是否使用电力? [如何收集电力数据?](#)

是 否

电力 power
884.30
排放量 (tCO₂e) emission

指标	数值	单位	排放量 (tCO ₂ e)	数据周期	数据来源	证明文件	设备设施	操作
购入电量	1000.00	兆瓦时	884.30	2021-06-01 - 2021-12-31	发票收据	-	-	🔍 ✎ 🗑️

单个添加+ **上一步** **下一步**

* 购入电量	1000.0000	兆瓦时	* 用电排放因子	恢复默认值	0.8843	tCO ₂ /兆瓦时
数据周期	2021-06-01	2021-12-31	数据来源		发票收据	▼
证明文件	请上传	↑	设备设施		例如锅炉、空压机	

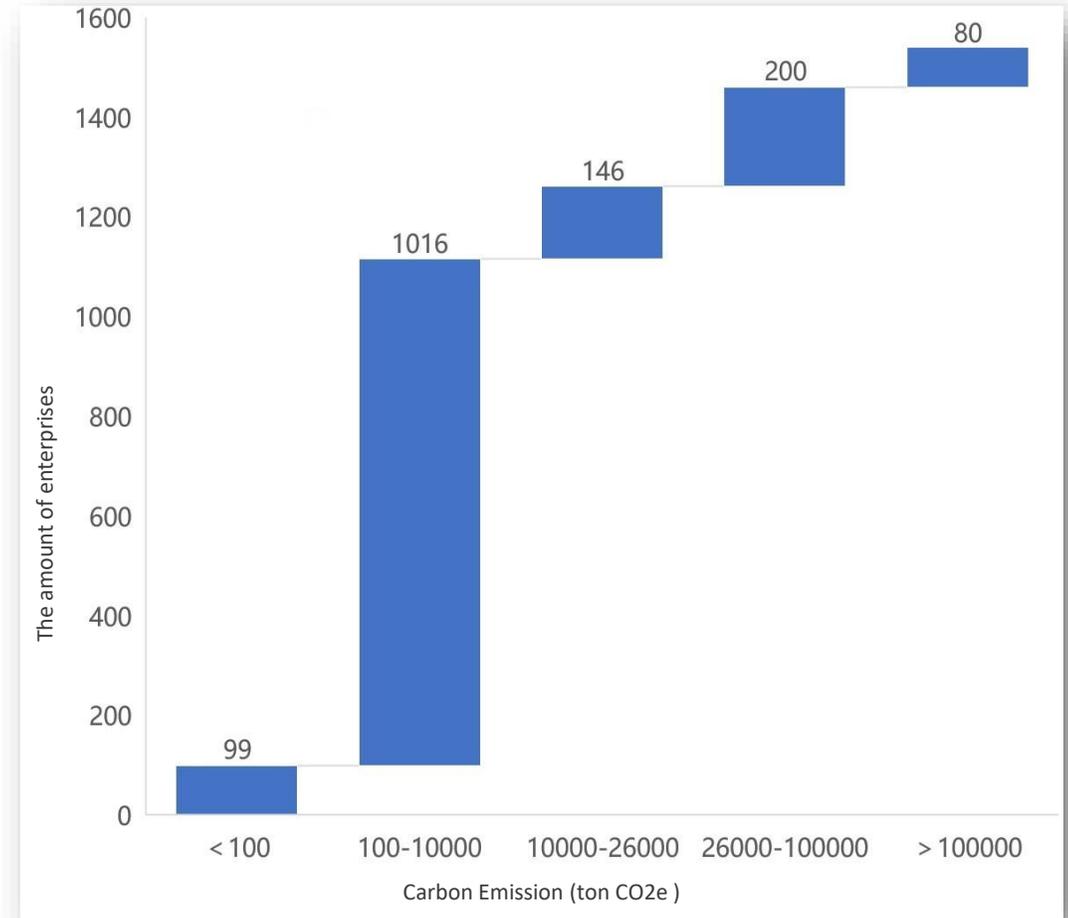
确认 取消

IPE developed the **Carbon and Pollutant Release and Transfer Register (PRTR)** data disclosure form to drive GHG and environmental information disclosure.

Till September 2022, more than **8,000** Carbon and PRTR Forms are publicly disclosed on the Blue Map website.

From Oct. 2021 to Sep. 2022:

- **1,541** suppliers have disclosed carbon emissions data for 2021, with a total of **62.5 million** tons of CO₂e in scope 1&2 emissions.
- **475** enterprises set emission reduction targets, with a total commitment of **1.025 million** tons of CO₂e reduction.





DRIVING AMBITIOUS CORPORATE CLIMATE ACTION

- 2018/12, At COP24, the UN Global Compact called on all businesses to set target aligned with 1.5°C temperature rise
- 2019/6, At the 2019 Climate Action Summit, the "Business Ambition for 1.5°C Target" initiative was officially launched
- 2021/10, SBTi released "Corporate Net-zero Standard"
- More than 6,000 companies or organizations worldwide have joined the SBTi, of which more than 3,300 have set and published their SBTi
- More than 237 mainland Chinese companies have joined SBTi, of which 96 have issued targets and 72 have committed to net-zero targets



Join the Campaign for Our Only Future



Contact

Caring for Climate

Secretariat

caring@climate@unglobalcompact.org

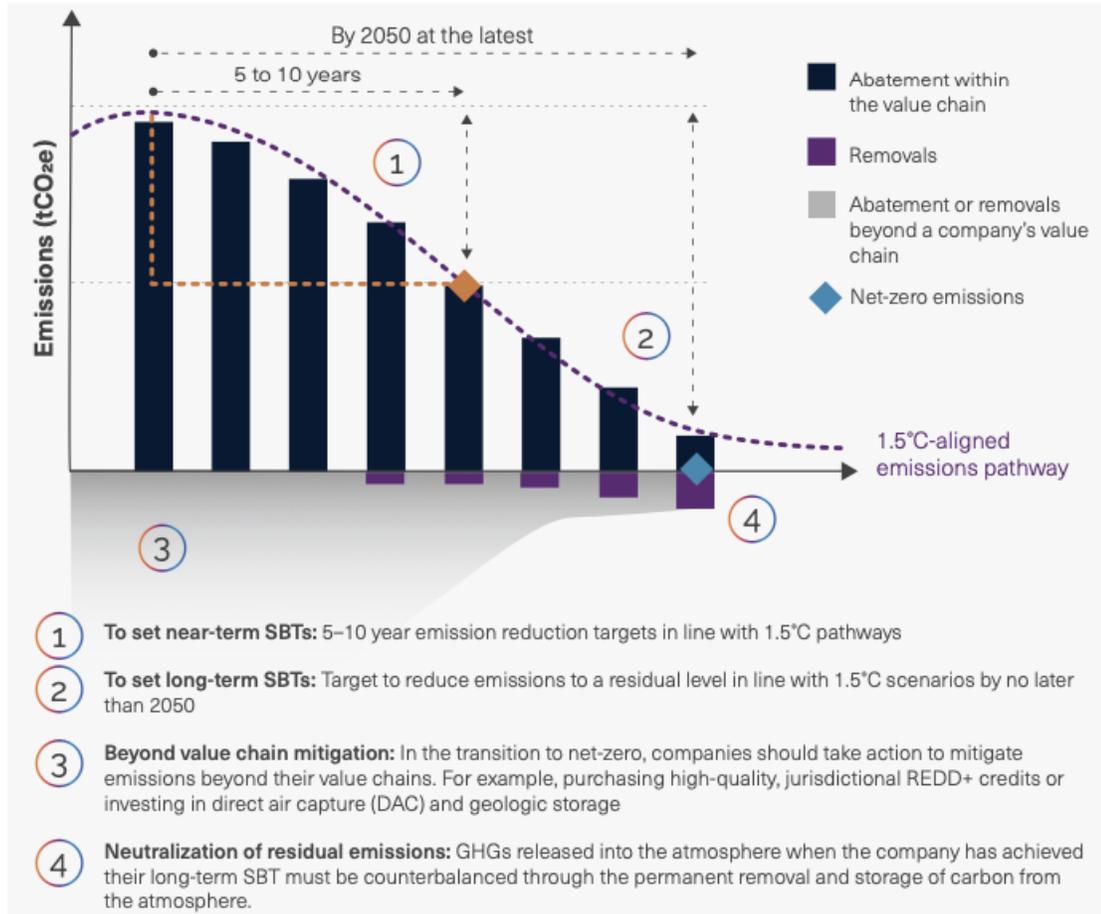
Dear Business Leaders,

Climate change is undoubtedly the defining issue of our time – and we are at a pivotal moment. The world today is facing unprecedented, interconnected environmental challenges. If we do not urgently change course, we risk missing our chance to avoid runaway climate change, with disastrous consequences for people and all the natural systems that sustain us.

[SIGN THE COMMITMENT](#)



Figure 2 Key elements of the Net-Zero Standard

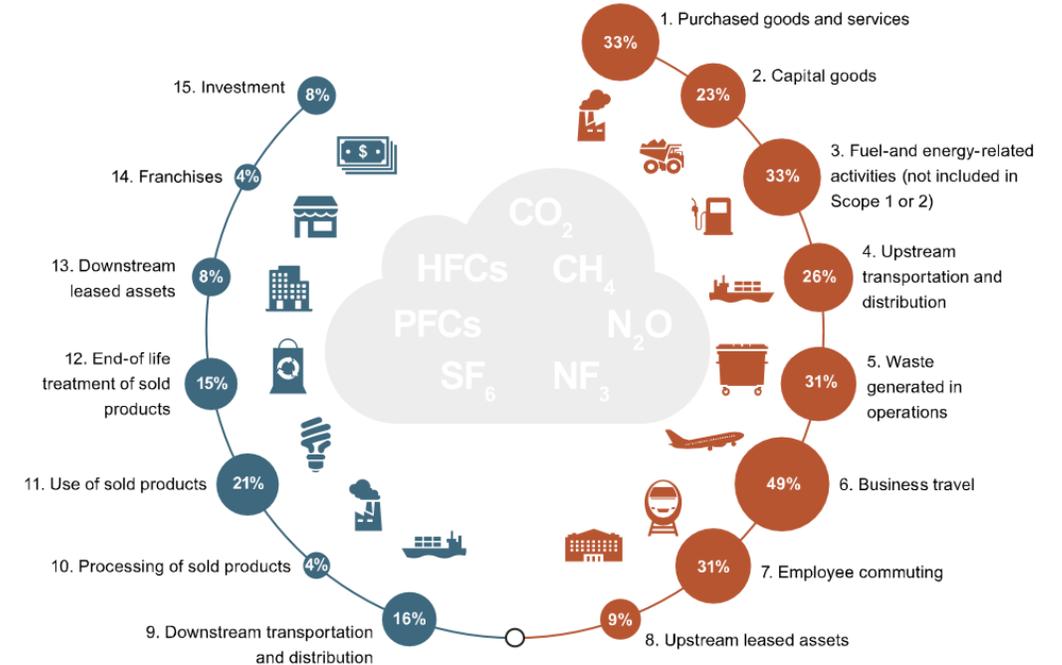


Scope 3 emissions in a nutshell

Scope 3 emissions come from a company's value chain ...

Disclosure rate by each of Scope 3's fifteen categories (FY2020, S&P Global 1200 index)

• Downstream activities | • Upstream activities



Challenge to fulfill SBTi commitments

22 US companies singled out for not filing science-based climate targets



Author **Karin Rives**

Aiming to provide greater transparency around emissions reduction plans, the Science Based Targets initiative platform has flagged more than 20 US companies and dozens more worldwide for not laying out their emissions targets in a timely way.

Science Based Targets initiative (SBTi) is used by several thousand companies and brands worldwide, including energy-sector players, to show customers and clients that their targets have teeth.

SBTi's recent decision to flag companies that have not submitted specific targets comes in response to criticisms over recent years that the initiative lacked transparency and credibility.

To participate in the initiative, companies that notify SBTi that they intend to set science-based emission reduction targets must then develop a plan using the initiative's criteria showing how they will reach their short-term and long-term climate targets. The companies have to submit those plans to SBTi for validation.

To remain listed in SBTi's database, companies are required to submit the plans within 24 months of declaring their intention — a deadline some companies have not met.



中国环境

打开

读懂SBTi② | 中国被除名企业占比高于全球水平？加入SBTi这份指南请收好

来源：中国环境

2023-11-14

作者：中环记者乔建华

进入 **首席分析师** 阅读更多内容

+订阅

在中国国际进口博览会上，多家企业提出根据SBTi（科学的碳目标倡议）标准进行减排后，本报记者对国内加入SBTi的企业进行梳理发

Digital tools

Corporate Carbon Emission

What are "science-based targets"?

Science-based targets provide a clearly-defined pathway for companies to reduce GHG emissions, helping prevent the worst impacts of climate change and future-proof business growth. Targets are considered "science-based" if they are in line with what the latest climate science deems necessary to meet the goals of the Paris Agreement – limiting global warming to 1.5°C above pre-industrial levels.



How to set a carbon target?

"Company Carbon Target Setting Tool" generates options for enterprise to set emission reduction targets based on SBTi methodology. It could empower mid and small-sized enterprises set appropriate science-based emission reduction targets (align with 1.5°C, well-below 2°C and 2°C pathway). By simply inputting base year emission data, combined with industry, region, policy requirements, etc., this tool could help enterprise easily set their Scope 1+2 and Scope 3 emission reduction targets.

To Search

User Guide

Set a Target

To assist companies to set climate targets that meet the goals of the Paris Agreement, IPE developed the "Company Carbon Target Setting Tool" in 2023.

Empower SMEs to set appropriate science-based emission reduction targets (align with 1.5°C, well-below 2°C and 2°C pathway).



Company Carbon Target Setting Tool

Please provide the required information

* Target coverage	Scope 1+2	▼	If a company's relevant scope 3 emissions are 40% or more of total scope 1, 2, and 3 emissions, they must be included in near-term science-based targets.
* Target period	Near-term	▼	Absolute and intensity-based emission reduction near-term targets must cover a minimum of 5 years and a maximum of 10 years from the target setting date. Long-term SBTs covering relevant activities must have a target year no later than the sector's year of net-zero in eligible 1.5 C pathways.
* Target type	Absolute	▼	Except for power sector, SBTi encourages enterprises set absolute emission reduction targets, therefore, we sincerely suggest you set absolute emission reduction targets with priority.
* Select a Base year	2021	▼	It is recommended that companies choose the most recent year for which data is available as the base year. The base year should be representative of a company's typical GHG profile. The company shall use the same base year for its long-term targets as its near-term targets. If you need to calculate the base year emissions, click Corporate GHG Emission Accounting Platform .
* Select a Target year	2030	▼	Near-term targets must have a target year 5–10 years from the setting date, while long-term targets must have a target year of 2050 or sooner. The specific year depends on the speed of emission reductions.
* Base year Scope 1 emissions	12	tCO ₂ e	Companies should submit targets only at the parent- or group level, not the subsidiary level. Parent companies must include the emissions of all subsidiaries in their target submission to SBTi. For your calculated base year emissions through platform, click to view Enterprise Profile .
* Base year Scope 2 emissions	1200	tCO ₂ e	
Select most recent year of available emissions	2022	▼	If you need to calculate the most recent year emissions, click Corporate GHG Emission Accounting Platform .
Most recent year Scope 1 emissions	14	tCO ₂ e	
Most recent year Scope 2 emissions	1500	tCO ₂ e	

PREV

CALCULATE

- Basic Information
- Input Data
- Result

Scope 1+2 emissions reduction

-42.00%

2030

Target year

2021

Base year

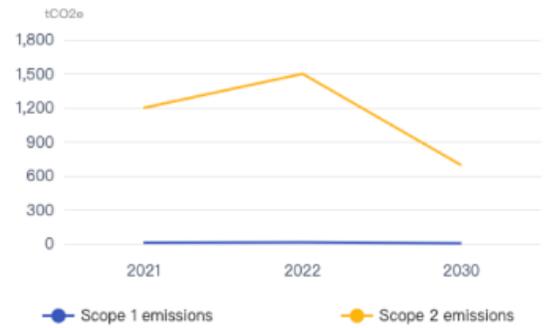
(Target formulation)

Company

commits to reduce Scope 1+2 emissions 42.00% by 2030 from a 2021 base year

1.5 °C scenario Absolute target

	Base year (2021)	Most recent year (2022)	Target year (2030)	% reduction
Scope 1 emissions (tCO ₂ e)	12.00	14.00	6.96	-42.00%
Scope 2 emissions (tCO ₂ e)	1,200.00	1,500.00	696.00	-42.00%
Scope 1+2 emissions (tCO ₂ e)	1,200.00	1,514.00	696.00	-42.00%



[PREV](#)
[Return to Target List](#)

Scope 1+2 emissions reduction

-25.00%

2030

Target year

2021

Base year

(Target formulation)

Company A

commits to reduce Scope 1+2 emissions 25.00% by 2030 from a 2021 base year

Well-below 2 °C scenario Absolute target

	Base year (2021)	Most recent year (2022)	Target year (2030)	% reduction
Scope 1 emissions (tCO ₂ e)	12.00	14.00	9.00	-25.00%
Scope 2 emissions (tCO ₂ e)	1,200.00	1,500.00	900.00	-25.00%
Scope 1+2 emissions (tCO ₂ e)	1,200.00	1,514.00	900.00	-25.00%

[PREV](#)
[Return to Target List](#)

Scope 1+2 emissions reduction

-12.30%

2030

Target year

2021

Base year

(Target formulation)

Company A

commits to reduce Scope 1+2 emissions 12.30% by 2030 from a 2021 base year

2 °C scenario Absolute target

	Base year (2021)	Most recent year (2022)	Target year (2030)	% reduction
Scope 1 emissions (tCO ₂ e)	12.00	14.00	10.52	-12.30%
Scope 2 emissions (tCO ₂ e)	1,200.00	1,500.00	1,052.40	-12.30%
Scope 1+2 emissions (tCO ₂ e)	1,200.00	1,514.00	1,052.40	-12.30%

[PREV](#)
[Return to Target List](#)

Renewable electricity

2025

80%

2030

100%

(Target formulation)

Company A

commits to increase annual sourcing of renewable electricity to 80% by 2025

commits to increase annual sourcing of renewable electricity to 100% by 2030

[PREV](#)
[Return to Target List](#)

Product LCA Carbon Footprint Factors Database

中国产品全生命周期温室气体排放系数库
CPCD, China Products Carbon Footprint Factors Database

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- 厨余垃圾厌氧消化, 其余垃圾焚烧 (1060)
- 城市用水 (1028)
- 普通塑料 (952)
- 风力发电 (845)
- 煤矸石 (763)
- 焦炭 (632)
- 钢筋 (594)
- 天然气 (464)
- 汽油出租车运输 (418)
- 水泥 (338)
- 无烟煤 (288)

碳足迹建模工具 >

- 阿里云 能耗宝
- 中国城市温室气体工作组
China City Greenhouse Gas Working Group

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 建筑和建筑服务 Constructions and construction services (44)	 金融及有关服务; 不动产服务; 及出租和租赁服务 Financial and related services; real estate services; and... (8)	 金属制品、机械和设备 Metal products, machinery and equipment (630)	 经销行业服务; 住宿; 食品和饮料服务; 运输服务; ... Distributive trade services; accommodation, food and... (294)
 矿石和矿物; 电、气和水 Ores and minerals; electricity, gas and water (358)	 农业、林业和水产品 Agriculture, forestry and fishery products (678)	 其他可运输货物, 金属制品、机械和设备除外 Other transportable goods, except metal products,... (582)	 商业和生产服务 Business and production services (53)
 社区、社会和个人服务 Community, social and personal services (94)	 食品、饮料和烟草; 纺织品, 服装和皮革制品 Food products, beverages and tobacco; textiles, appar... (573)	 碳移除 Carbon dioxide removal (79)	

重要说明
Readme

方法学
Methodology

专家委员会
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×

中国产品全生命周期温室气体排放系数集 (2022) 正式发布 (附数据下载)

原创 碳中和中心

生态环境部环境规划院

2022-01-05 18:46



核算、计量和评估产品全生命周期温室气体排放, 对于从消费端管理温室气体排放和基于产业链推动碳减排具有重要意义, 是推动中国实现碳达峰碳中和的重要数据支撑。



蔚蓝0碳
blue map for zero carbon

Product Carbon Footprint Disclosure and Catalogue

3441

🔍 Enter product name, company name, or brand name

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3441 PCF data

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No.	Product Name	Carbon Footprint	Scope	Year
1	14-inch MacBook Pro	243.00kgCO ₂ e/台	Cradle to Grave	2023
2	16-inch MacBook Pro	300.00kgCO ₂ e/台	Cradle to Grave	2023
3	Ready-mixed concrete (280kgf/cm ² low car...	240.00kgCO ₂ e/立方米	Cradle to Grave	2023
4	Ready-mixed concrete (350kgf/cm ² low car...	260.00kgCO ₂ e/立方米	Cradle to Grave	2023
5	Bank Proximity Services	1.90kgCO ₂ e/服务人次	Cradle to Grave	2023

Product Carbon Footprint Disclosure (PCFD)



请输入您要搜索的产品名称、企业名称、品牌名称 搜索

全部 衣 食 住 用 行 工业 农业 服务

办公用品 电气设备 通信设备 通用机械 精密器械 基础化学品 日用品 金属制品 非金属制品
木制品 化学成品 专用机械 纸制品 纺织品 服装 橡胶塑料 煤制品 石油制品

共570个产品碳足迹数据

最热 最新

编号	产品名称	碳足迹	核算边界	数据时间
1	苹果台式电脑	112.00kgCO2e/台	摇篮到坟墓	2023
2	苹果笔记本电脑	243.00kgCO2e/台	摇篮到坟墓	2023
3	苹果笔记本电脑	300.00kgCO2e/台	摇篮到坟墓	2023
4	制冷剂R-401A逸散	1129.92kgCO2e/千克	摇篮到坟墓	2023
5	制冷剂R-32逸散	677.00kgCO2e/千克	摇篮到坟墓	2023

请输入您要搜索的产品名称、企业名称、品牌名称 搜索

全部 衣 食 住 用 行 工业 农业 服务

服装 皮革制品 纱线产品 橡胶塑料 动物产品

共49个产品碳足迹数据

最热 最新

编号	产品名称	碳足迹	核算边界	数据时间
1	原生纤维长丝	1.49kgCO2e/千克	摇篮到大门	2022
2	再生纤维长丝	1.17kgCO2e/千克	摇篮到大门	2022
3	牛仔夹克工业	8.33kgCO2e/件	摇篮到大门	2021
4	梭织运动鞋	6.80kgCO2e/双 (0.674kg)	摇篮到坟墓	2021
5	亚麻纤维织物	21.60kgCO2e/千克	摇篮到大门	2020

代报单: 0227518 IPE 公告 注册产研 绿色地图APP P40.0m

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Apple Inc.
iPhone14Pro 1TB
产品碳足迹
116 kgCO₂e

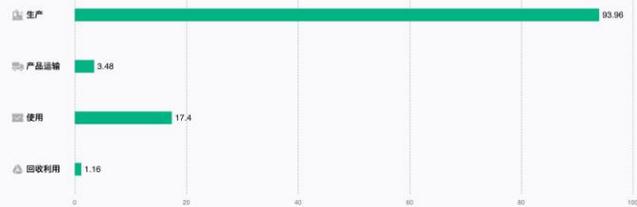


基本信息

产品分类

功能单元	部	核算方法学	ISO14040/ISO14044
技术代表性	全球平均	地域代表性	全球
数据来源	Apple Inc.官网披露	数据时间	2022
核算边界	摇篮到坟墓	产品描述	iPhone 14 Pro长度为147.5毫米, 宽度为71...

生命周期各阶段碳足迹 (单位: kgCO₂e)



报告原文示例



代报单: 0227518 IPE 公告 注册产研 绿色地图APP P40.0m

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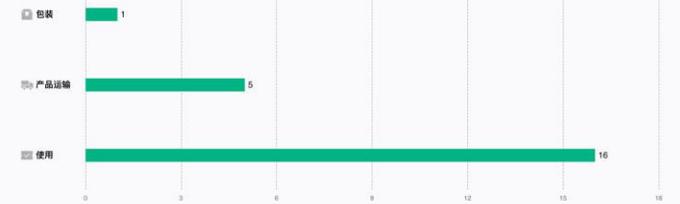
Lenovo
ThinkPad 10
产品碳足迹
209 kgCO₂e

基本信息

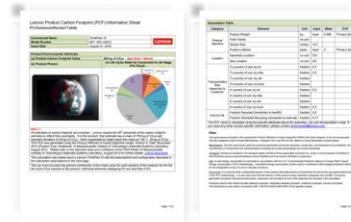
产品分类

功能单元	台	核算方法学	PAIA
技术代表性	-	地域代表性	-
数据来源	Lenovo官网披露	数据时间	2015
核算边界	摇篮到大门	产品描述	-

生命周期各阶段碳足迹 (单位: %)



报告原文示例





亚兴水泥制品股份有限公司
预拌混凝土 (280kgf/cm²低碳配比)

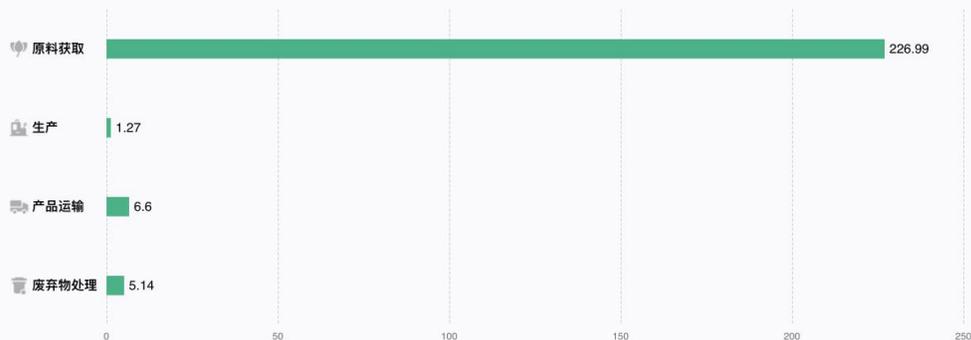
产品碳足迹
240 kgCO₂e

基本信息

产品分类

功能单元	立方米	✓	核算方法学	ISO 14067	
技术代表性	具体工艺	✓	地域代表性	台湾地区	✓
数据来源	亚兴水泥制品股份有限公司官网披露	✓	数据时间	2023	✓
核算边界	摇篮到坟墓	✓	产品描述	产品名称 预拌混凝土 (280kgf/cm ² 低...	✓

生命周期各阶段碳足迹 (单位: kgCO₂e)



贵州天辰三江建材有限公司
抹灰石膏

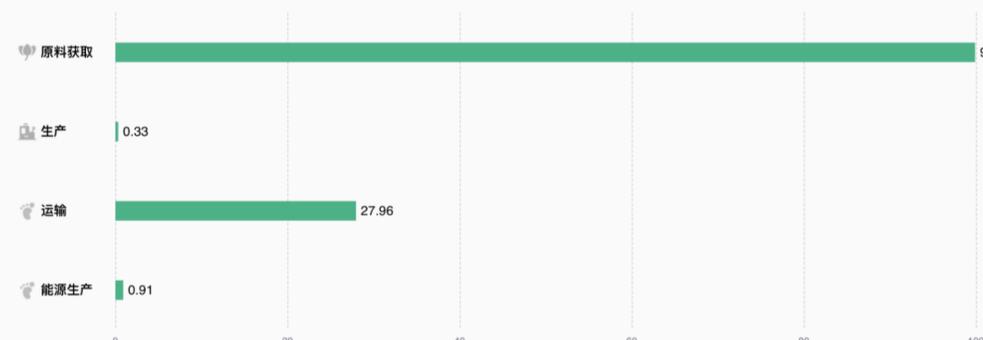
产品碳足迹
129.11 kgCO₂e

基本信息

产品分类

功能单元	吨	✓	核算方法学	ISO 14067	
技术代表性	具体工艺	✓	地域代表性	中国-贵州	✓
数据来源	-	✓	数据时间	2021	✓
核算边界	摇篮到大门	✓	产品描述	-	

生命周期各阶段碳足迹 (单位: kgCO₂e)





PCFD平台 汽车碳足 迹披露

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VOLVO
Volvo XC40 ICE Petrol

产品碳足迹
58 tCO₂e

基本信息 产品分享

<p>度量单位 200,000公里</p>	<p>功能单元/产期单元 沃尔沃轿车行驶200,000公里</p>
<p>核算方法学 ISO 14040, ISO 14044</p>	<p>核算边界/系统边界 摇篮到坟墓</p>
<p>数据时间 2019</p>	<p>产品产地 -</p>
<p>数据来源 VOLVO官网披露</p>	

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广汽丰田

汉兰达

公示数据
2022款 汉兰达 2.0T 181T 四驱豪华版 7座 SUV

单位碳足迹: 343.38
行驶里程: 200,000 km

本田

LIFE

公示数据
2022款 LIFE 1.5L CVT 180 四驱豪华版 轿车

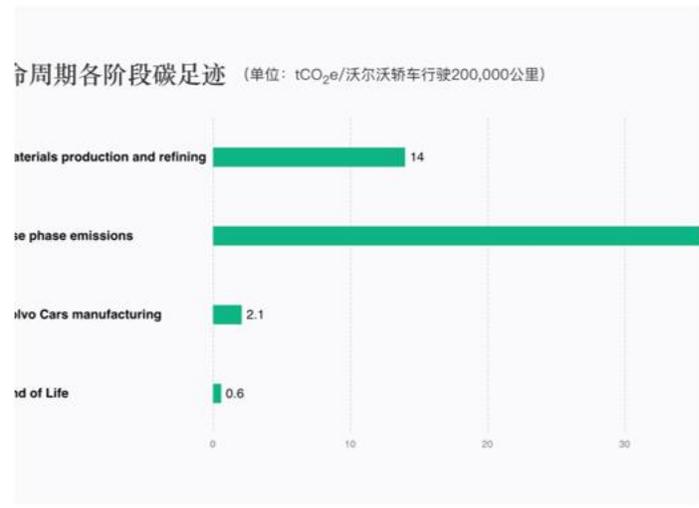
单位碳足迹: 218.95
行驶里程: 200,000 km

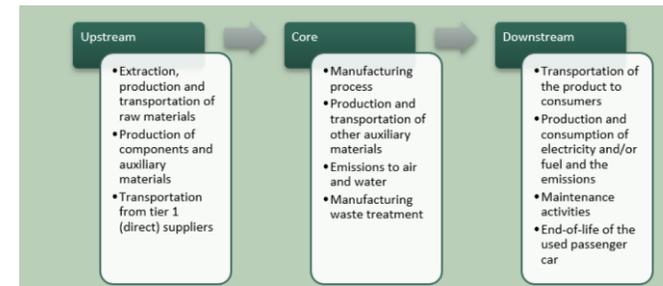
opp automobile industry chain | 首页 | 公示数据 | 数据服务 | 法规资讯 | 会员单位 | 关于我们 | 联系我们 | 客服电话: +86 10 6021 1111

中国汽车全产业链 碳足迹信息公示

旨在筑牢本土汽车碳数据，覆盖我国境内所有在售乘用车碳足迹信息

了解更多





Geely Automobile Research Institute (Ningbo) Co., Ltd
Lynk & Co 01 plug-in hybrid electric vehicle

产品碳足迹
0.201 kgCO₂e

基本信息

度量单位
千米

核算方法学
EPD ✓

数据时间
2022 ✓

数据来源
The International EPD System ✓

功能单元/声明单元
1千米, 运送1名乘客

核算边界/系统边界
摇篮到坟墓

产品产地
中国-浙江-宁波

生命周期各阶段碳足迹 (单位: kgCO₂e/1千米, 运送1名乘客)





#碳足迹随手拍#

共享单车：每生产1辆共享单车，平均产生31.45千克二氧化碳排放。在使用过程中，每100公里的自行车出行，相比小汽车出行，能够减少排放4.1千克二氧化碳。

打开#蔚蓝地图# 随手拍了解产品隐含的碳



酒店。#碳足迹随手拍#

酒店住宿：每晚酒店住宿，平均产生62.90千克二氧化碳排放，相当于家用小汽车行驶1534.1公里。

打开#蔚蓝地图# 随手拍了解产品隐含的碳



碳易查：助力全社会普及双碳意识

碳足迹随手拍——识别日常消费中隐含的碳排放

COP28 DELIVERS HISTORIC CONSENSUS ON TRANSITION AWAY FROM FOSSIL FUELS



**WE UNITED.
WE ACTED.
WE DELIVERED.**



28. *Further recognizes* the need for deep, rapid and sustained reductions in greenhouse gas emissions in line with 1.5 °C pathways and *calls on* Parties to contribute to the following global efforts, in a nationally determined manner, taking into account the Paris Agreement and their different national circumstances, pathways and approaches:

(a) Tripling renewable energy capacity globally and doubling the global average annual rate of energy efficiency improvements by 2030;

(b) Accelerating efforts towards the phase-down of unabated coal power;

(c) Accelerating efforts globally towards net zero emission energy systems, utilizing zero- and low-carbon fuels well before or by around mid-century;

(d) Transitioning away from fossil fuels in energy systems, in a just, orderly and equitable manner, accelerating action in this critical decade, so as to achieve net zero by 2050 in keeping with the science;

(e) Accelerating zero- and low-emission technologies, including, inter alia, renewables, nuclear, abatement and removal technologies such as carbon capture and utilization and storage, particularly in hard-to-abate sectors, and low-carbon hydrogen production;

(f) Accelerating and substantially reducing non-carbon-dioxide emissions globally, including in particular methane emissions by 2030;

(g) Accelerating the reduction of emissions from road transport on a range of pathways, including through development of infrastructure and rapid deployment of zero- and low-emission vehicles;

(h) Phasing out inefficient fossil fuel subsidies that do not address energy poverty or just transitions, as soon as possible;

Thermal Power Transition Map

中文

Please enter the company name [Search](#)



Grade ★★★★★



Grade ★★★★★



Grade ★★★★★



Grade ★★★★★



Grade ★★★★★



Grade ★★★★★



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Grade ★★★★★



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Grade ★★★★★



Grade ★★★★★



Grade ★★★★★



Home Maps Climate Records Supply Chain Green Finance Reports About IPE

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JL Power

JL Power

Low-carbon transition index of thermal power listed companies in the 13th Five-Year Plan period

Low-carbon Transition Index

★★★★★

Rank

1

Total evaluation sample: 31 companies

Transition progress (7/31)

Financial Overview (ROE)

Energy Structure

Analysis of the "13th Five-Year Plan" Low-Carbon Transition Index

	EVA elasticity to power generation	Carbon productivity	Carbon emission factor of electricity	Coal consumption intensity of power supply	Clean energy installation ratio increase
Rank	1	15	29	28	7

JL Power (000875)

吉林电力 Grade: ★★★★★ Rank: 1

■ Thermal power ■ Wind power ■ Photovoltaic

[View Details](#)

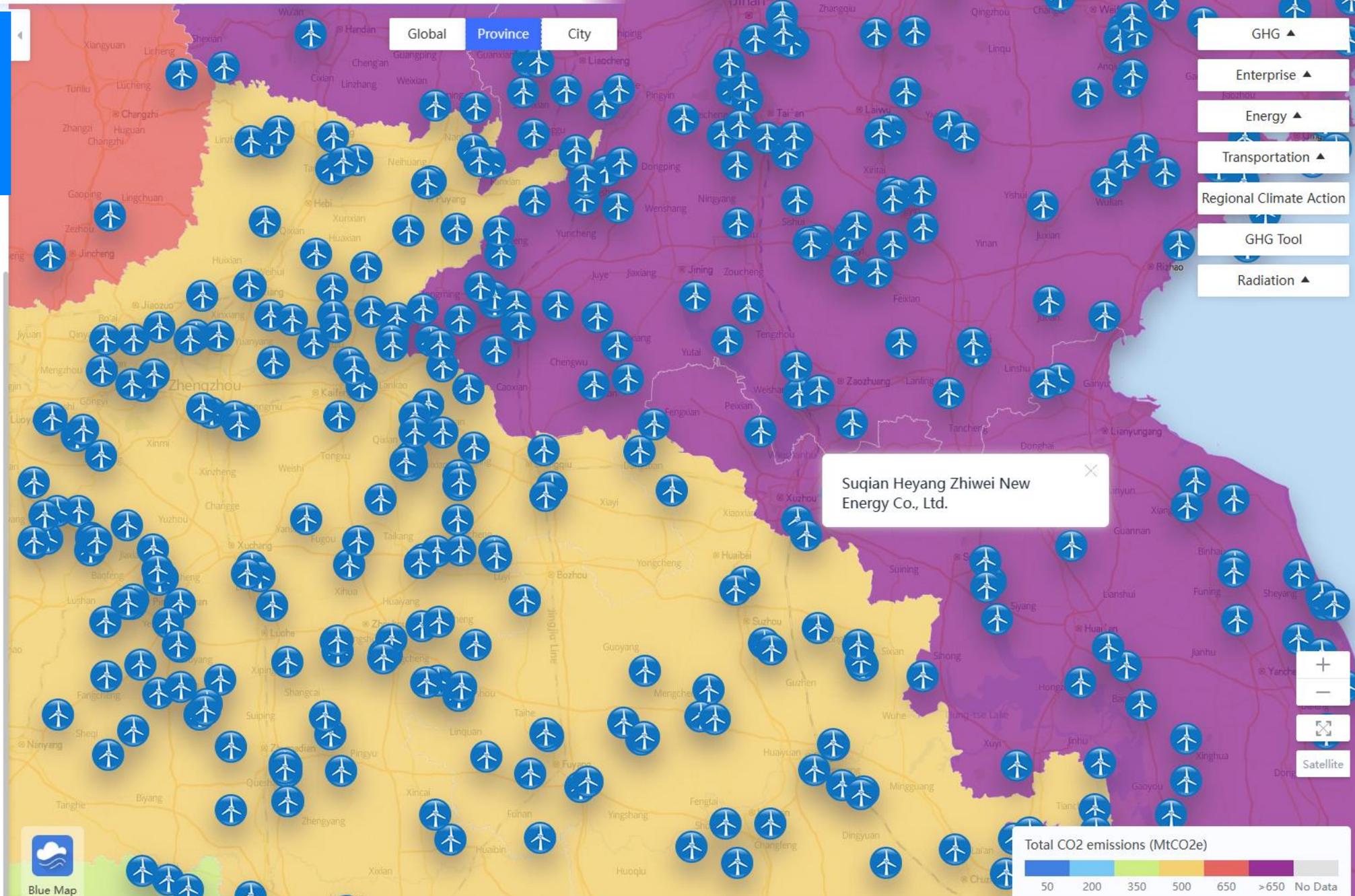


Wind

1	Shandong	2020	Total CO2 emissions	1000.86
2	Inner Mongolia	2020	Total CO2 emissions	912.31
3	Hebei	2020	Total CO2 emissions	794.18
4	Jiangsu	2020	Total CO2 emissions	778.45
5	Guangdong	2020	Total CO2 emissions	617.97
6	Shanxi	2020	Total CO2 emissions	544.39
7	Liaoning	2020	Total CO2 emissions	527.75
8	Xinjiang	2020	Total CO2 emissions	502.77

1/4

Data source: China City Greenhouse Gas Working Group(CCG).
 Notes: Carbon emission data are estimated values and for reference only. It cannot be used to carry out operations like addition.



亚洲

光伏与SDGs

区域光伏建设情况

年度光伏装机量

年度光伏发电量

年人均光伏装机量

年人均光伏发电量

季度累计光伏并网容量



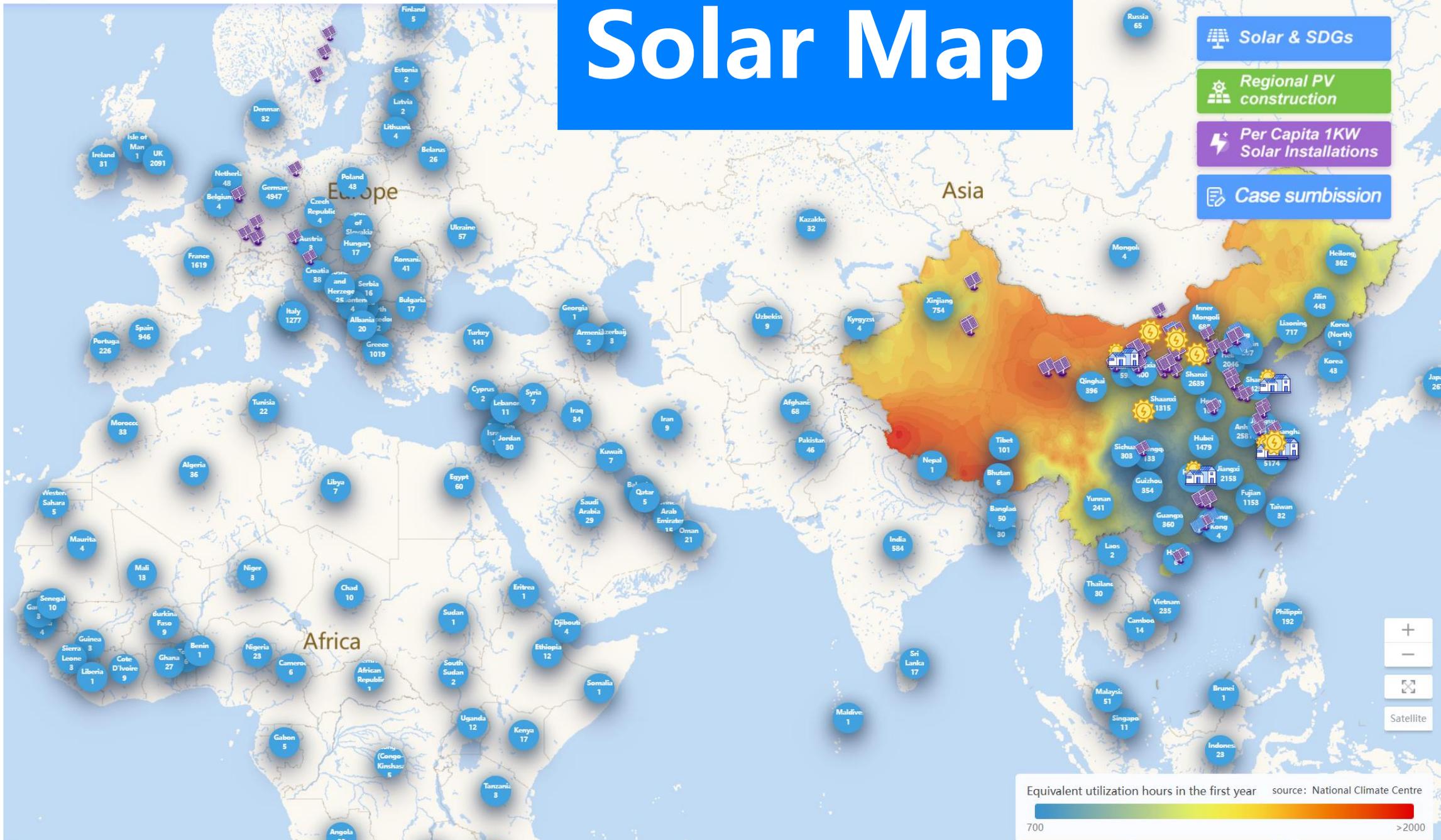
Solar

季度光伏发电累计并网容量



Solar Map

- Solar & SDGs
- Regional PV construction
- Per Capita 1KW Solar Installations
- Case submission



Equivalent utilization hours in the first year source: National Climate Centre
700 >2000

Digital Map showing the progress of PV Construction in China and Globally - Global Cumulative PV Installation



Solar Map-the distribution of Centralized and distributed PV plants in China



Home Air Water Carbon City Enterprise Brands/Suppliers Waste Soil Ecology Radiation Vehicle

Global China Lighted Pioneers

潍坊六合微粉有限公司
1.38MW光伏发电项目

Client:潍坊六合新材料有限公司
Time for all units to be connected to the grid: 2015-12-30

See more

Solar & SDGs

Regional PV construction

Per Capita 1KW Solar Installations

Case submision

+
-



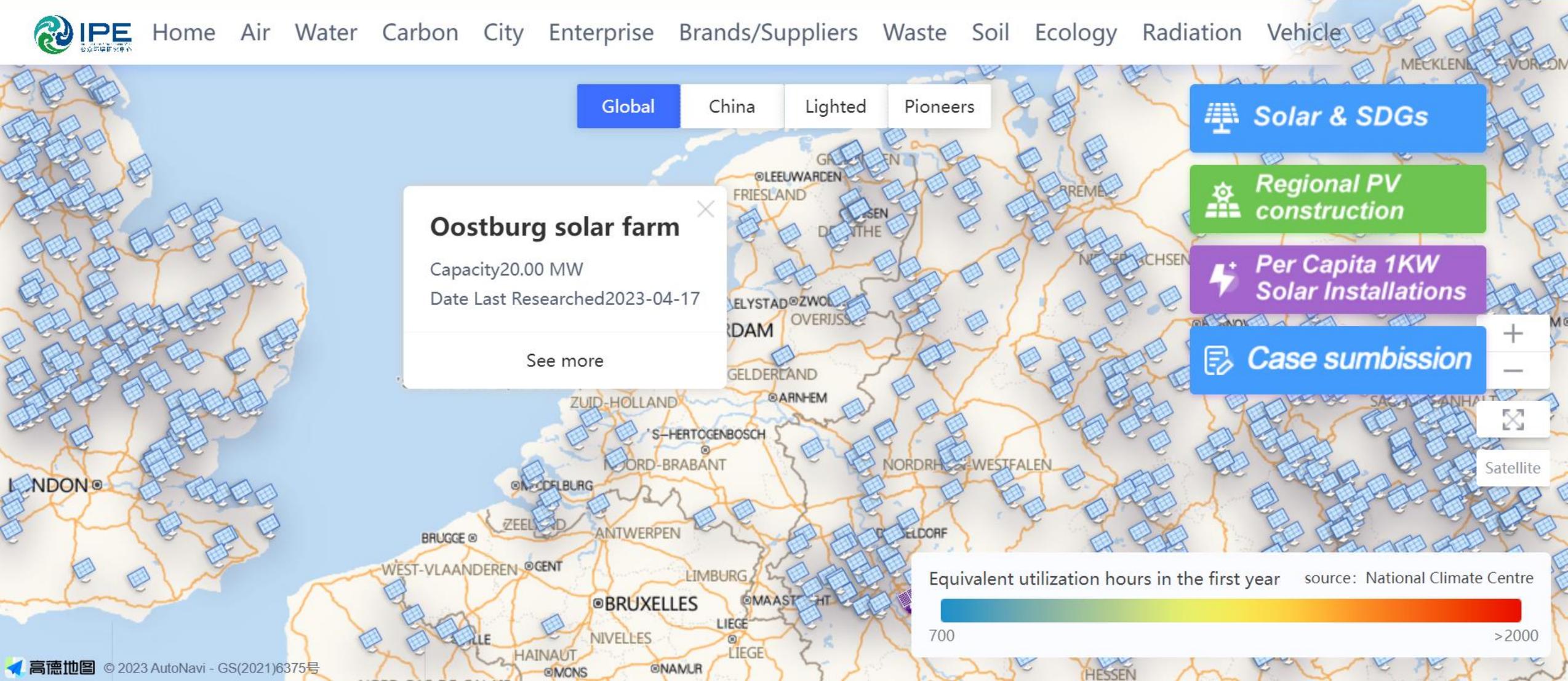
Satellite

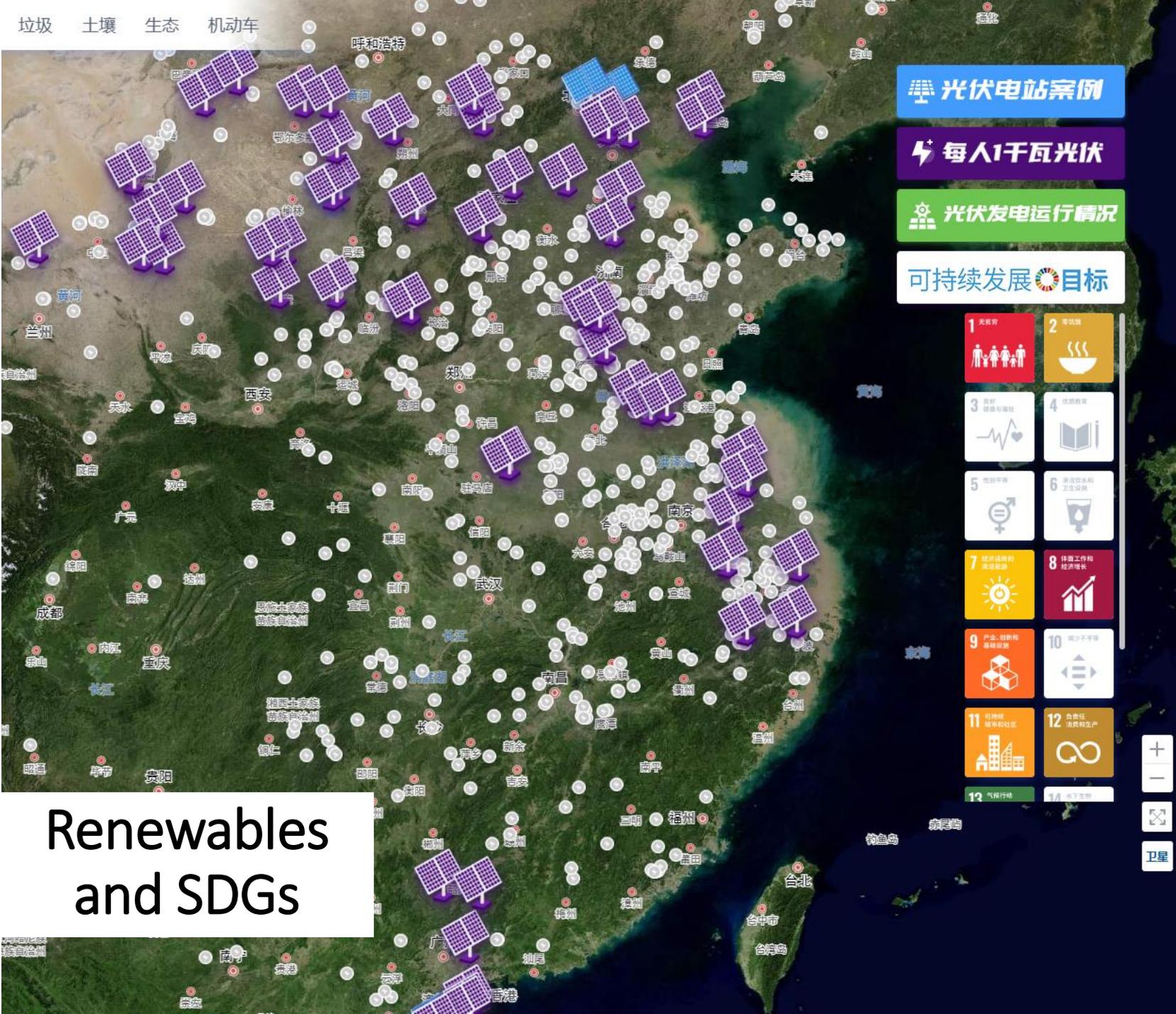


Solar Map-the distribution of Centralized and distributed PV plants overseas



Home Air Water Carbon City Enterprise Brands/Suppliers Waste Soil Ecology Radiation Vehicle





光伏助力SDG案例：浙江杭州群围村整村光伏



地图

气候/能源

企业表现

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项目介绍

该项目主要涉及三大类型（公共区域涉及学校三所和村委会、企业5家、农居房181户）、十个区块，总装机容量约3040.4kWp，投资1600万元，建成后年收益126.58万元（年均发电收益148.01万元左右收回成本。该项目已于2023年4月全部完成并网发电。从2022年11月三所学校开始并网，到现在已累计发电100余万度。

建设运营情况

坚持因地制宜发展，突出分类设计。落实一户一方案，在整体规划中把握美观、实用、高效，同时为进一步降低成本，提高光伏项目收益，并结合各方实际需求，对域内村、校、企等不同主体实行收费（已跟国网对接）；学校等公共区域按照自发自用余量上网的模式收费，此外沿河光伏板按照自发自用模式建成后就近纳入企业用电的模式利用。

补充说明



用地图讲述光伏故事



China to invest over 130 trillion yuan on carbon neutrality

- From 2020 to 2050, new investment of 100 trillion to 138 trillion yuan need to be made
- This is about 2 to 2.5 percent of annual GDP every year over the period





AI Express 获原则同意 • 2024-01-05 华电国际间接参股公司7477万项目环评获原则同意 • 2024-01-05 三一重能控股子公司3.85亿项目环评获原则同意 • 2

Green Finance: Environment, Ecology and Climate-friendly Investment

Green Securities

Environmental Performance
List of Listed Companies >

Listed Company Carbon
Disclosure >

Green Credit

Environmental performance
Inquiry and Performance
improvement >



Number of Listed Companies to Follow

Blue Map Green Financial Database

Link listed companies with their affiliates to quickly obtain relevant environmental regulatory records, on-line monitoring data, enterprise feedback and emission data by searching the names of listed companies, stock codes and related companies names.

Green finance: helped banks check 2.6 million companies as part of environmental due diligence



银行监管机构

温室气体排放核算软件



中国绿色供应链联盟

专项小组发起人、引入数据库、绿色制造企业报告



银行监管机构

受邀邀请内部研讨会



中国证券投资基金业协会

上市公司ESG评价提供环境维度支持



中国邮政储蓄银行

贷款企业碳核算试点工作提供支持



每日经济和澎湃新闻

为上市公司监督报道提供数据依据



中国金融学会绿色金融委员会

引入数据库、环境数据应用的发起人

ecovadis

国际ESG评价机构



数据和分析报告被采纳

“ Green finance service

Support 9 major companies to identify ESG related risks, protect biodiversity and conduct digital accounting.



ESG绩效风险识别

为8家大型银行ESG风险管理提供数据支持，累计协助银行对266万家信贷企业进行ESG风险排查。



碳数字核算及管理

与专业机构合作开发碳计算器，在线碳核查等工具，为邮储银行，及其1级、2级分行（约400家）提供碳核算、核查及碳信息披露服务。



生物多样性保护

为3家银行生物多样性保护工作提供生态风险识别工具，包括机构生态红线、生态管控空间数据等。

绿色金融市场简报

(2021年第18期)

中国人民银行金融市场司

2021年12月10日

有序推动碳核算试点 助力实现“双碳”目标



专栏13 有序推动碳核算试点 助力实现“双碳”目标

本行积极有序推动环境信息非强制性披露企业客户碳核算，与公众环境研究中心(IPE)合作，应用温室气体排放核算平台(InsBlue)，为企业提供实时在线的温室气体排放核算。本行按照积极探索、客户自愿、有序推进的“三原则”，制定“三步走”的碳核算试点工作思路：第一步，确定浙江湖州分行作为首家试点行，积极探索积累经验；第二步，选择浙江、广东、山东和重庆分行作为第二批试点行，稳妥有序扩大试点；第三步，在全国36家一级分行进行全面推广。

本行坚持稳步推进，确保碳核算试点工作顺利开展，

一是科学制定企业碳核算工作方案，根据“三原则”，结合各地区实际情况，差异化制定分行碳核算企业的目标规划。二是建立激励约束机制。将碳核算推广指标纳入授信管理评价体系。三是出台相关配套支撑政策。对配合开展碳核算的企业，给予优惠贷款利率；在客户准入、授信重检等环节通过“绿色通道”优先审批。截至报告期末，累计推动457家企业客户完成碳核算。

“We have motivated 457 clients to measure GHG emissions using IPE’s digital accounting platform.”

- Postal Bank of China 2021 Annual Report



澎湃新闻

IPE 公众环境研究中心

Environmental Performance List of Listed Companies

Search

Search

Introduction of List

Thematic Interpretation

Industry: 请选择

Rank	Full Name of Listed Company	Abbreviation	Stock Ticker Number	Environmental Performance	Industry
16	中国冶金科工股份有限公司	中国中冶	601618	-168.58	土木工程建筑业
17	山西焦煤能源集团股份有限公司	山西焦煤	000983	-165.26	煤炭开采和洗选业
18	浙江东南网架股份有限公司	东南网架	002135	-164.91	金属制品业
19	山西焦化股份有限公司	山西焦化	600740	-163.76	石油加工、炼焦和核燃料加工业
20	黑龙江国中水务股份有限公司	国中水务	600187	-161.76	水的生产和供应业
21	山西兰花科技创业股份有限公司	兰花科创	600123	-143.21	煤炭开采和洗选业
22	山东金晶科技股份有限公司	金晶科技	600586	-142.03	非金属矿物制品业
23	无锡洪兴新材料科技股份有限公司	洪兴新材	002802	-137.63	化学原料及化学制品制造业
24	山西鑫安环保能源开发股份有限公司	鑫安环能	601699	-134.65	煤炭开采和洗选业
25	温氏食品集团股份有限公司	温氏股份	300498	-133.67	畜牧业
26	中国交通建设股份有限公司	中国交建	601800	-131.73	土木工程建筑业
27	陕西煤业股份有限公司	陕西煤业	601225	-127.2	煤炭开采和洗选业
28	中国石油化工股份有限公司	中国石化	600028	-121.22	石油和天然气开采业
29	上海隧道工程股份有限公司	隧道股份	600820	-120.4	土木工程建筑业
30	广汇能源股份有限公司	广汇能源	600256	-120.39	石油和天然气开采业



总第 143 期
2024年1月第一期
A股绿色周报

每周更新、每月盘点
资本市场绿色报告
上市公司环境风险排榜

覆盖31个省市区、337个地级市政府权威环境数据
针对数千家上市公司及数万家关联公司环境表现

本期看点

增产未报批擅自开工投入生产
陕西煤业控股子公司收到192万元罚单
高铁项目工程施工擅自改变林地用途
中国铁建旗下公司被罚

• 环境风险榜单涉及上市公司分布情况（1月第一周）



Red line zone mapping and biodiversity conservation

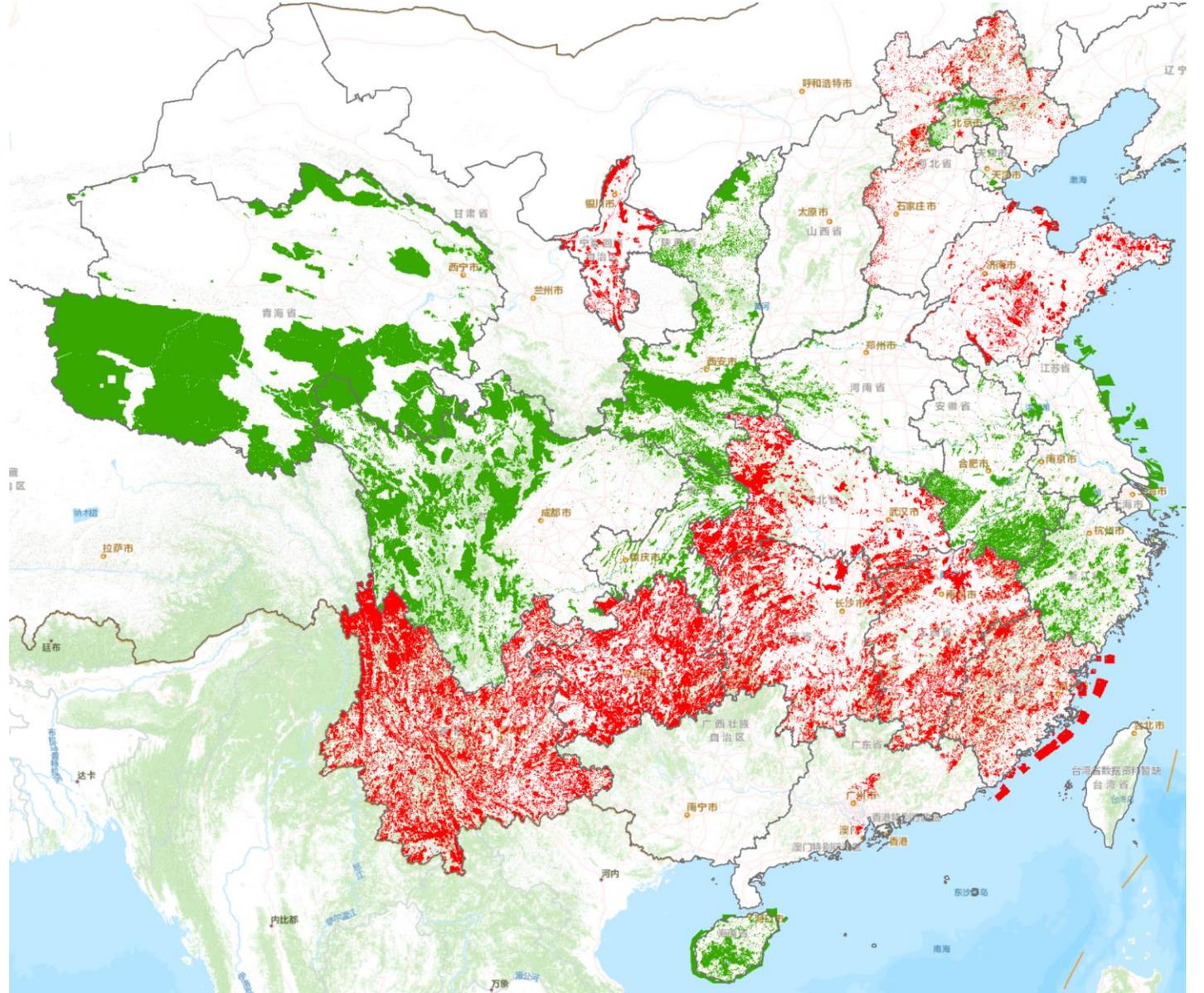
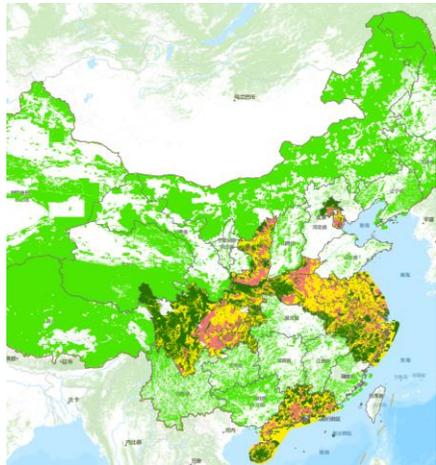
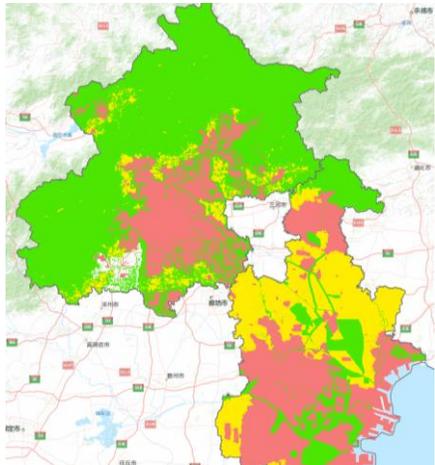
No.	Region	Number of control units	Area of control unit (KM ²)
1	Beijing	756	--
2	Tianjin	311	11917.00
3	Shijiazhuang	226	13111.00
4	Tangshan	228	17951.00
5	Qinhuangdao	114	9557.00
6	Handan	172	12067.00
7	Xingtai	222	12435.00
8	Baoding	225	21065.00
9	Zhangjiakou	215	36805.00
10	Chengde	169	39580.00
11	Cangzhou	166	14934.00
12	Langfang	114	6420.00
13	Hengshui	113	8828.00
14	Yangquan	94	4559.00
15	Shuozhou	91	--



- Three Base Lines and One List
- Biodiversity ▲
- National Nature Reserves
- Natural Ecological Environment
- Ecological Function Zoning ▲
- National Park

Environmental control unit

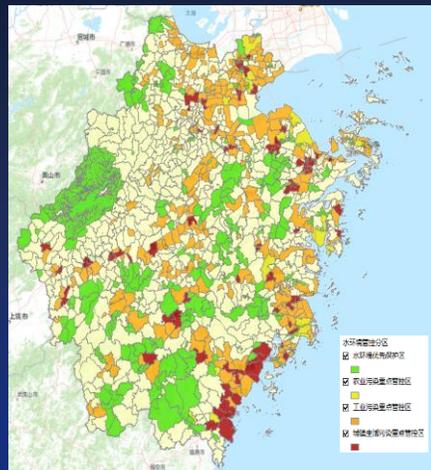
Priority protection unit Key control unit General control unit



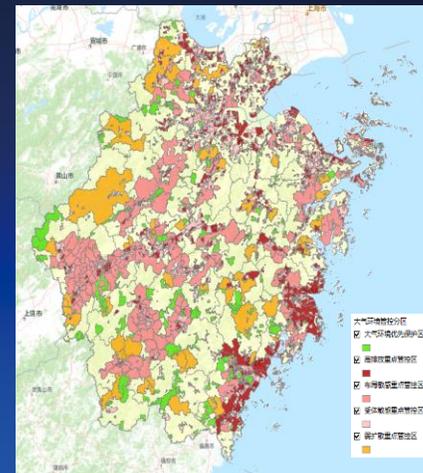
Red line zone mapping and biodiversity conservation



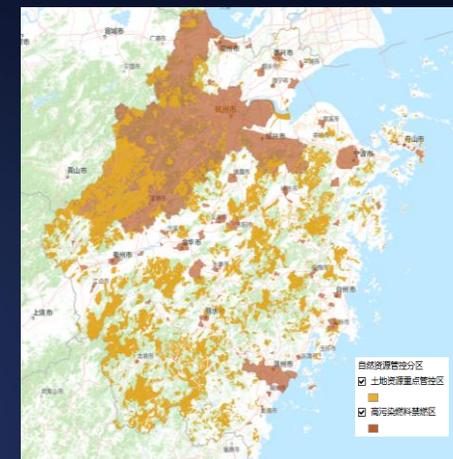
生态空间管控分区 Ecology



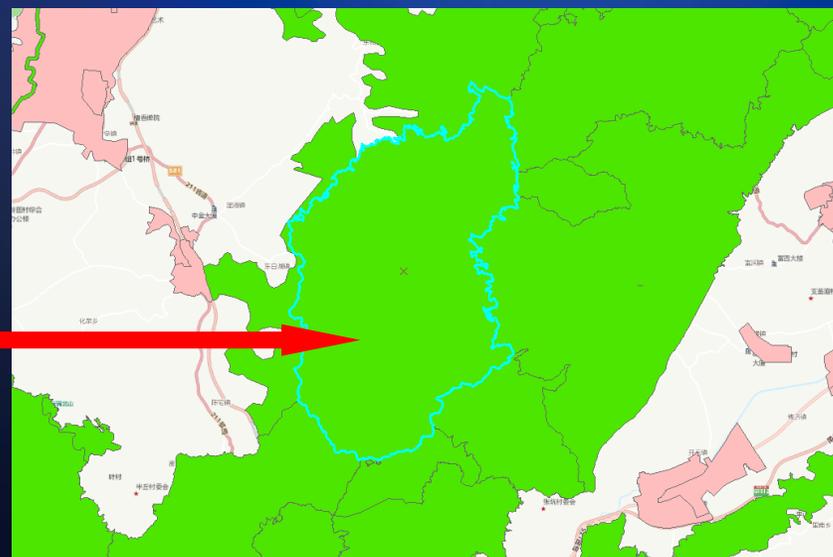
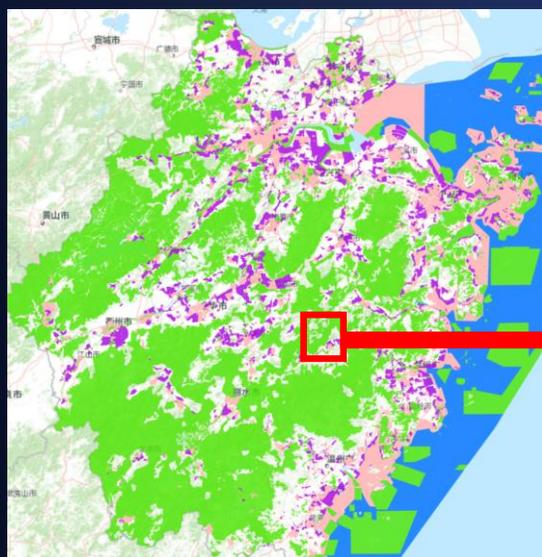
水环境管控分区 Water



大气环境管控分区 Air



自然资源管控分区 Natural resources



优先单元要素细类	空间布局约束
生态空间 水环境优先保护区	<p>1、涉及生态保护红线的，严格按照国家和省生态保护红线管理相关规定进行管控。生态保护红线原则上按照禁止开发区域进行管理，禁止工业化和城镇化，确保生态保护红线内“生态功能不降低，面积不减少，性质不改变”。</p> <p>2、饮用水水源保护区按照《中华人民共和国水污染防治法》、《浙江省饮用水水源保护条例》、《饮用水水源保护区污染防治管理规定》等相关法律法规实施管理。</p> <p>3、森林公园区域按照《中华人民共和国森林法》、《国家级森林公园管理办法》、《浙江省森林管理条例》、《浙江省水土保持条例》、《浙江省公益林和森林公园条例》、《国家级公益林管理办法》、《浙江省公益林管理办法》、《浙江省林地管理办法》、《浙江省古树名木保护办法》及其他相关法律法规实施管控。</p> <p>4、禁止未经法定许可在河流两岸、干级公路两侧规划控制范围内进行采石、取土、采砂等活动。严格限制矿产资源开发项目，确需开采的矿产资源及必须就地开展矿产加工的新改扩建项目，应以点状开发为主，严格控制区域开发规模。严格限制水利水电开发项目，禁止新建除以防洪蓄水为主要功能的水库、生态型水电站外的小水电。</p> <p>5、严格执行畜禽养殖禁养区规定，控制湖库型饮用水源暴雨区内畜禽养殖规模控制。</p>

We call for leading companies, industry coalitions and key institutions with supply chain influence and climate ambition to take the lead in joining the Initiative. We also look forward to the attention and support from all sectors of society to jointly advance the decarbonization of supply chain, accelerate the global Race to Zero, and protect our planet Earth.

迈向零碳 供应链

Zero Carbon Supply Chain

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