

# 2021 ANNUAL REPORT







SIP Lvse Jiangnan Public Environment Concerned Centre



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We eliminate pollution,  
but not polluting enterprises, instead,  
we nudge polluting enterprises to adopt elevated pollution controls.

**Our Value**

Action Changes the Future

**Our Vision**

Build a quality living environment,  
which everyone deserves



# Reflexion and outlook

On April 30, 2021, General Secretary Xi Jinping emphasized when presiding over the 19th collective study of the Political Bureau of the Central Committee of the CPC: "During the 14th Five-Year Plan period, China's ecological civilization construction has shifted towards a strategic direction as well as entered into a critical period focusing on promoting pollution reduction and carbon elimination, comprehensive green economic transformation and social development, as well as the realization of a qualitative leap in ecological environment transformation as a result of accumulative quantitative changes." Therefore, the "14th Five-Year Plan" period is a crucial period for China's carbon peak and carbon neutrality goals. China's ecological and environmental protection will enter a new stage of collaborative governance in pollution and carbon reduction. In 2021, Lvse Jiangnan had been focusing its work in the areas of "reducing pollution and carbon emissions", and made unremitting efforts to promote the green transformation and sustainable development of relevant enterprises aiming to bring a high-quality living environment to the public.

As an environmental protection organization established for nearly 10 years, Lvse Jiangnan has always adhered to the working method of "serving in supervision, supervising in service" and carried out work in the field of industrial pollution prevention and control with the value of "Action changes the future". In 2021, Lvse Jiangnan has made a lot of progress in information disclosure, field research on pollution sources, green supply chain, green taxation, green securities, green insurance and other fields.

In 2021, Lvse Jiangnan reminded the ecological and environmental departments at the provincial/municipal level in the country to monitor 1,826 online corporate behaviors with abnormal emission data by the mantra of assisting supervision. Among them, 50 polluting enterprises were required to be rectified, filed for investigation and given administrative punishment by the ecological and environmental department.

In 2021, Lvse Jiangnan carried out more than 110 field investigations on pollution sources, covering more than a dozen provinces including Jiangsu, Jiangxi, Hunan, Inner Mongolia, Heilongjiang, Liaoning, Gansu, Anhui, Zhejiang, and Hebei. Hundreds of research reports were handed over to the ecology and environment department, whereby Lvse Jiangnan's environmental protection efforts had gone from individual enterprises censoring to regional industry monitoring to finally arrived at a breakthrough of entire industry surveillance. Among them, the chemical industry parks and the iron and steel industry have made outstanding progress in research, and received three times of cash rewards from the ecology and environment department.

In 2021, Lvse Jiangnan, SEE Taihu Lake Project Center, and IPE jointly held the "Green Supply Chain Forum under the Background of Carbon Neutrality". Guests from different industry backgrounds shared the paths of enterprise pollution and carbon reduction on the backdrop of the carbon peaking and carbon neutrality goal from multiple perspectives, and provided solutions for a diverse path to carbon neutrality.

In 2021, through active and effective communication and cooperation, Lvse Jiangnan had also formed a multi-party connection and trust building methods to help companies to carry out better information disclose, promote energy conservation and emission reduction, assist companies with their endeavors in the areas of sustainable development, whereby to build a blue ecological chain.

In 2021, Lvse Jiangnan and IPE had also launched the "City of Garbage Sorting and Photographing the City Challenge", mobilized more than 200 people to use the mobile app "Blue Map" to shoot the garbage sorting dynamics in real time, and had accumulated 16,613 shots of garbage rooms in selected communities, ranking No. 1 in the country. Lvse Jiangnan's effort in Garbage Sorting, especially has been highly recognized by the Urban Management Bureau in many provinces and cities, to realize a public life scenario empowered by big data.

In the next five years, under the background of "pollution and carbon reduction, and collaborative governance", Lvse Jiangnan will continue to pay attention to the environmental performance of key emission industries such as steel, chemical, and cement industries, as well as the road to carbon peaking and carbon neutrality, respond proactively to the slogan of "Lucid waters and lush mountains are invaluable assets", and actively carry out multi-party cooperation to help achieve the goal of carbon neutrality.

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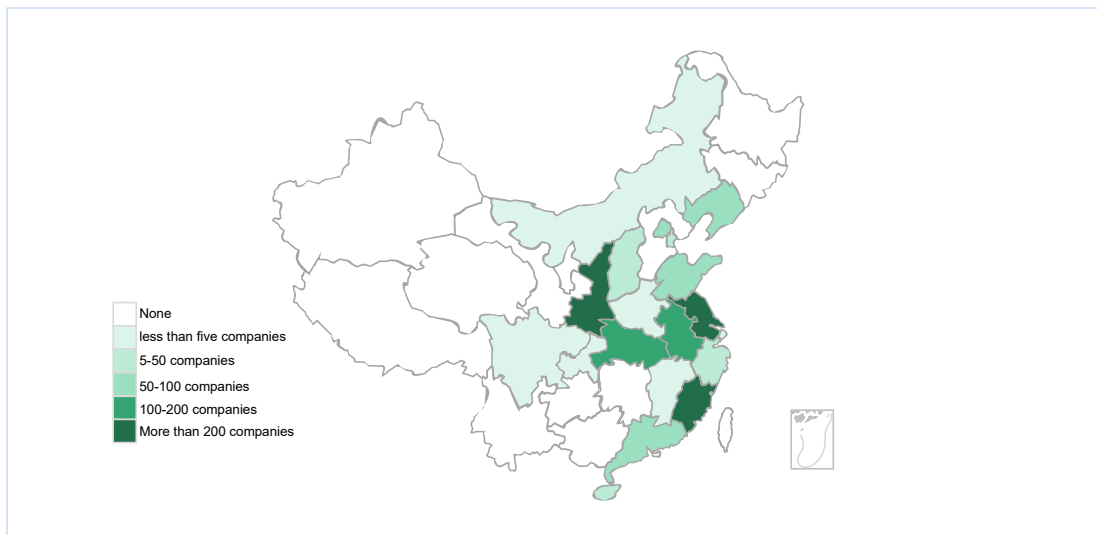
# 01 / INFORMATION DISCLOSURE



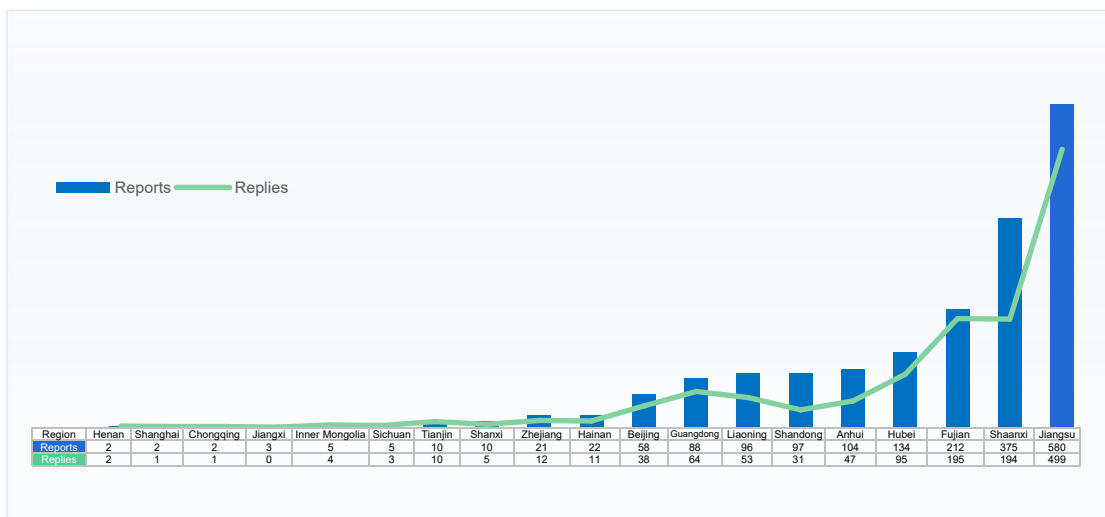
# 1.1 Online Supervision of National Key Pollutant Enterprises

Lvse Jiangnan reminds ecology and environment departments of various provinces and cities about enterprises with excessive emissions through Weibo, 12369 (need to be remarked) and other channels, and cooperates with various ecology and environment departments to supervise and control the emission of pollution sources, whereby complements the supervision work of government departments, promotes public awareness and participation in information disclosure and environmental management.

In 2021, Lvse Jiangnan conducted steady and continuous supervision of 13,567 heavily controlled pollution sources across the country by combining the autonomous monitoring platforms of enterprises and institutions in various provinces, municipalities, and autonomous regions and the mobile app Blue Map environmental big data platform. A total of 1,826 companies had been identified and complained during the monitoring time, 1,265 of them made feedbacks, of which 50 were seriously dealt with by relevant ecological environment departments as a result of being reported by Lvse Jiangnan.



The Figure illustrates the overall situation of excessive emission made by companies in various provinces, municipalities and autonomous regions reported by Lvse Jiangnan's reporting in 2021



The Figure illustrates the overall situation of excessive emission made by companies in various provinces, municipalities and autonomous regions reported by Lvse Jiangnan's reporting in 2021

## Case 1

## Yulin City, Shaanxi Province

On June 16, 2021, Lvse Jiangnan reported that a chemical company in Shaanxi Province was suspected of discharging COD in excess of the standard.

On August 13, the 12369 online reporting platform replied: It is true that the company's COD emissions exceeded the standard, and we issued an administrative fine of 100,000 yuan.



## 全国生态环境投诉举报平台

## 举报办理状态

办理状态：已办结

- ✓ 您的举报信息已提交
- ✓ 您的举报已由 府谷县环境保护局 受理
- ✓ 环境执法人员现场调查取证、采样监测、收集违法证据
- ✓ 环保局根据违法事实审议并作出处罚决定
- ✓ 执行处罚
- ✓ 答复举报人
- ✓ 办结

## 答复内容

受理时间：2021-06-16

办结时间：2021-08-09

办理单位：榆林市生态环境局府谷分局府谷县生态环境保护综合执法大队

答复内容：您好，经我局执法人员现场调查该公司污水处理总排口COD存在超标现象数属实，其中2021年6月15日COD日均值为52.02mg/L，超过排放标准52.02mg/L超标0.04倍，根据《中华人民共和国水污染防治法》第十条及第八十三条第一款第二项的规定处以行政处罚壹拾万元的处罚，并要求企业加强水污染防治设施的监管，保证达标排放，后期我局会加强日常监管力度。感谢您支持环保事业。

## 被举报单位信息



## Case 2

## Diaobingshan City, Liaoning Province

On September 10, 2021, Lvse Jiangnan reported that a sewage treatment plant in Diaobingshan City was suspected to have discharged phosphorus in excess of the standard.

On October 8th, the 12369 online reporting platform replied: the aggregated amount of phosphorus discharged by the factory had indeed exceeded the standard, and a fine of RMB 150,000 has been imposed.



## 全国生态环境投诉举报平台

## 举报办理状态

办理状态: 已办结

- ✓ 您的举报信息已提交
- ✓ 您的举报已由 调兵山市环境保护局 受理
- ✓ 环境执法人员现场调查取证、采样监测、收集违法证据
- ✓ 环保局根据违法事实审议并作出处罚决定
- ✓ 执行处罚
- ✓ 答复举报人
- ✓ 办结

## 答复内容

受理时间: 2021-09-13

办结时间: 2021-10-08

办理单位: 铁岭市生态环境局调兵山分局信访办

接到举报案件后, 调兵山市生态环境分局高度重视, 立即责成执法队处理, 现将处理情况汇报如下: 调兵山市 污水处理厂成立于2012年9月7日, 地址位于项荒地以北南五路北侧, 于2013年5月开工建设, 2015年1月31日竣工, 2016年初正式运行。2015年12月铁岭市环境保护监测站出具了《建设项目竣工环境验收监测表》结论符合环保标准。2016年6月铁岭市环境监控应急响应中心出具了《在线监控系统验收报告》结论通过验收, 并委托第三方运营维护。日处理污水量设计能力为3万吨, 采用A2/O生化池+二沉池+深度处理+紫外消毒生产工艺, 目前日处理污水量平均约为2.6万吨左右。8月13日, 调兵山分局调查发现8月12日在线监控系统数据超标, 对其下达了《铁岭市生态环境局行政处罚决定书》(铁市环罚字[2021]04-012号) 罚款人民币15万元, 并责令加强运营管理。另外9月1日未发现数据超标情况。今后调兵山分局会继续加强监管, 确保稳定达标运行。

## 被举报单位信息

单位名称: 调兵山市 污水处理厂

# 1.2

## Request for disclosure of information from government departments

| Date       | Provinces | Departments   | Contents of application  |
|------------|-----------|---|--|
| 18/01/2021 | Zhejiang  | Zhejiang Provincial Department of Ecology and Environment Acceptance Center                                     | Apply for the disclosure of sea water quality monitoring information in coastal waters and water quality monitoring information of sea-flowing river monitoring sections |
|            | Guangxi   | Fangchenggang Big Data and Administrative Examination and Approval Bureau Government Affairs Disclosure Section |  |
|            | Guangxi   | Qinzhou Ecology and Environment Bureau  |  |
| 15/01/2021 | Guangxi   | Guangxi Zhuang Autonomous Region Department of Ecology and Environment  | Apply for the disclosure of sea water quality monitoring information in coastal waters and water quality monitoring information of sea-flowing river monitoring sections |
|            | Tianjin   | Tianjin Ecology and Environment Bureau  |  |
|            | Hebei     | Hebei Ecology and Environment Department  |  |
|            | Liaoning  | Liaoning Ecology and Environment Department   |  |
|            | Shanghai  | Shanghai Ecology and Environment Bureau   |  |
|            | Jiangsu   | Jiangsu Ecology and Environment Department  |  |
| 27/04/2021 | Fujian    | Fujian Ecology and Environment Department   | Online supervision of key pollution sources  |
|            | Shandong  | Shandong Ecology and Environment Department   |  |
|            | Guangdong | Guangdong Ecology and Environment Department  |  |
| 21/05/2021 | Guangxi   | Guangxi Zhuang Autonomous Region Department of Ecology and Environment  | Online supervision of key pollution sources  |
|            | Hunan     | Hunan Ecology and Environment Department  |  |
| 09/10/2021 | Yunnan    | Yunan Ecology and Environment Department  | Online supervision of key pollution sources  |
|            | Fujian    | Fujian Ecology and Environment Department   |  |
| 09/10/2021 | Hubei     | Hubei Ecology and Environment Department  | Online supervision of key pollution sources  |



# 02 / POLLUTION SOURCE INVESTIGATION

In 2021, Lvse Jiangnan carried out more than 110 field investigation on pollution sources. Among them, 32 iron and steel enterprises were investigated. In addition, Lvse Jiangnan had played a role in promoting the implementation and rectification of environmental problems in the steel industry in 14 chemical parks.

Pictures taken during investigations in 14 chemical industry parks

The collage features 14 hexagonal panels arranged in a grid-like pattern. Each panel contains an aerial photograph of a chemical industry park and a corresponding environmental investigation report cover. The reports are from various locations in Jiangsu province, including Yancheng, Nantong, Wuxi, and Suzhou. Each report cover includes the title, the Lvse Jiangnan logo, and the date of the investigation.

- Top Right:** 盐城市大丰港石化新材料产业园 环境调研报告. 绿色江南公众平台中心. 2021年05月14日.
- Second Row, Left:** 南通市如东县洋口化学工业园 环境调研报告. 绿色江南公众平台中心. 2021年06月12日.
- Second Row, Right:** 常州滨江化工园区 环境调研报告. 苏州工业园区绿色江南公众平台中心. 2021年4月12日.
- Third Row, Left:** 江苏滨海经济开发区沿海工业园 环境调研报告. 苏州工业园区绿色江南公众平台中心. 2021年06月02日.
- Third Row, Right:** 江苏扬子江国际化学工业园区 环境调研报告. 苏州工业园区绿色江南公众平台中心. 2021年04月11日.
- Fourth Row, Left:** 江苏高科技氟化学工业园 环境调研报告. 苏州工业园区绿色江南公众平台中心. 2021年04月12日.
- Bottom Right:** 南通经济技术开发区化工园区 环境调研报告. 苏州工业园区绿色江南公众平台中心. 2021年04月12日.

泰兴经济开发区  
环境调研报告

拜耳江南

苏州工业园区绿色江南生态环境管理中心  
2021年08月02日

太仓港经济技术开发区化工园区  
环境调研报告

拜耳江南

苏州工业园区绿色江南生态环境管理中心  
2021年08月02日

镇江新区新材料产业园区  
环境调研报告

拜耳江南

苏州工业园区绿色江南生态环境管理中心  
2021年08月02日

扬州化学工业园区  
环境调研报告

拜耳江南

苏州工业园区绿色江南生态环境管理中心  
2021年08月02日

连云港石化产业基地  
环境调研报告

拜耳江南

苏州工业园区绿色江南生态环境管理中心  
2021年07月02日

江阴临港化工园区环境  
调研报告

拜耳江南

苏州工业园区绿色江南生态环境管理中心  
2021年07月02日

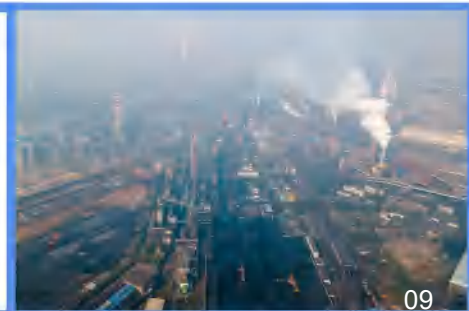
南京江北新材料科技园  
环境调研报告

拜耳江南

苏州工业园区绿色江南生态环境管理中心  
2021年07月02日

Pictures taken during investigations  
in 14 chemical industry parks

Iron and steel enterprise environmental investigation (selected sections)



Other pollution source environmental investigation (selected sections)



新余市糖业环境调研报告



苏州工业园区绿色江苏公共环境技术中心  
2021年01月28日



江西省吉安市青原区杨坑  
环境污染调研报告



苏州工业园区绿色江苏公共环境技术中心  
2021年04月29日



亿和精密工业(苏州)有限公司  
环境调研报告



苏州工业园区绿色江苏公共环境技术中心  
2021年03月20日



苏州市高新区5家企业  
环境调研报告



苏州工业园区绿色江苏公共环境技术中心  
2021年3月9日



江苏中特钢铁  
物龙集团宝舜钢铁  
维克特新材料江苏有限公司  
环境调研报告



苏州工业园区绿色江苏公共环境技术中心  
2021年8月28日



江苏新马新材料开发有限公司  
环境调研报告



苏州工业园区绿色江苏公共环境技术中心  
2021年11月12日



常州顺安水泥有限公司  
环境调研报告



苏州工业园区绿色江苏公共环境技术中心  
2021年12月21日



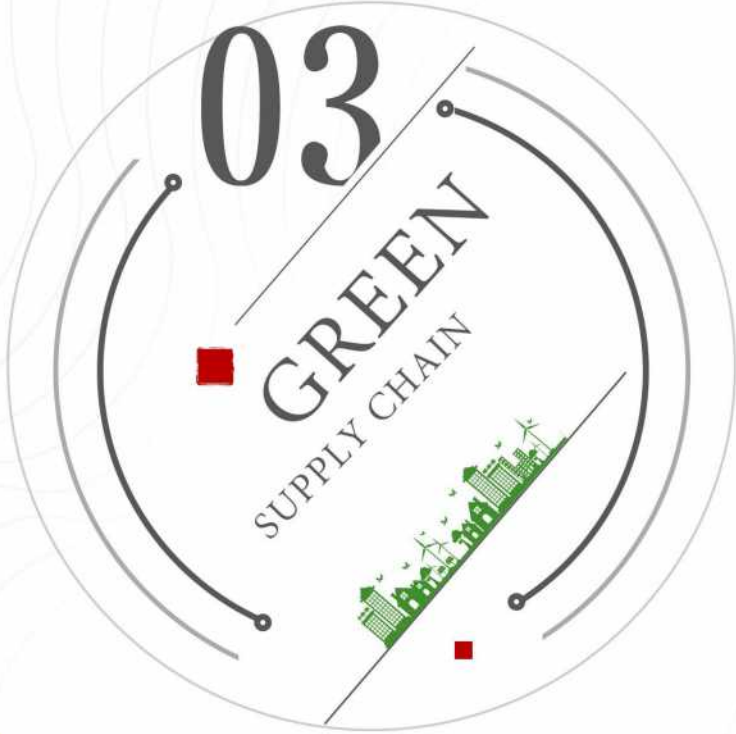
中国盐化工(神树)循环产业基地  
环境与安全风险调研报告



苏州工业园区绿色江苏公共环境技术中心  
2021年01月23日

# 03

## GREEN SUPPLY CHAIN

A circular graphic with a white background and a thin black border. Inside the circle, the number '03' is written in a large, black, serif font at the top. Below it, the words 'GREEN' and 'SUPPLY CHAIN' are written in a smaller, black, sans-serif font, stacked vertically. A small red square is positioned to the left of the word 'GREEN'. At the bottom of the circle, there is a green illustration of a supply chain, showing a series of buildings and structures connected by a line, with a small red square to its right.



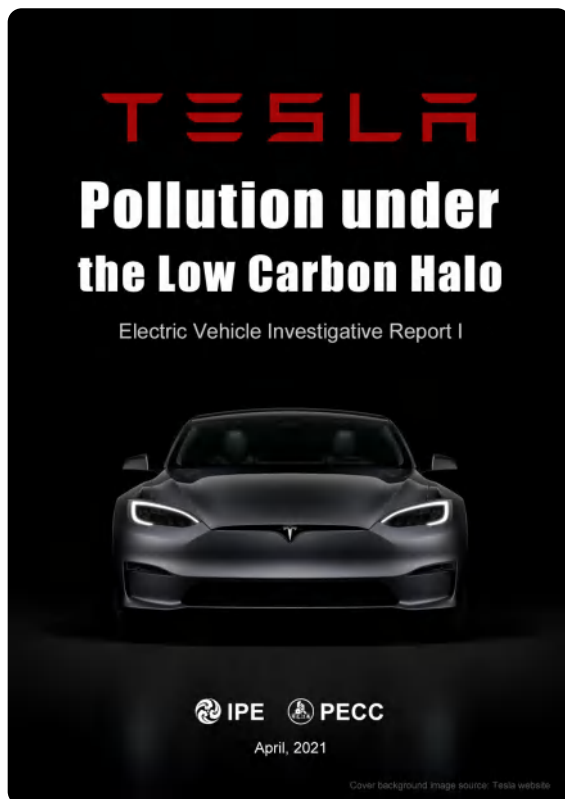
# 3.1

## Research Report

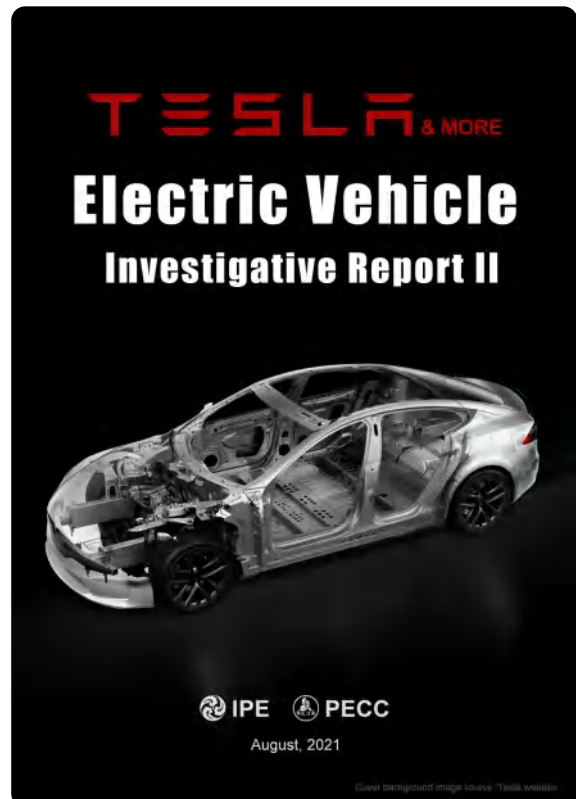
The adoption of green supply chain management can minimize resource consumption and environmental negative effects along the entire value chain, thereby enhancing the competitiveness of industry players. The Green Supply Chain Efforts of Lvse Jiangnan in 2021 focus on enterprise green manufacturing activities to actively promote the realization of the green supply chain management of enterprises.

Lvse Jiangnan hopes to see new energy car manufacturers, known for their innovation and transformation, leading their direct suppliers to drive the entire industry chain towards a more sustainable and responsible development direction. These include not only the manufacturing of energy-saving vehicles per se, but the processes which minimize resource consumptions during production, effectively reduce, recycle and reuse scrapping & wastes, whereby to promote the green transformation of the entire life cycle of automobile products.

Therefore, Lvse Jiangnan and the Institute of Public & Environmental Affairs (IPE) released two Tesla supply chain research report.



**28/04/2021**



**30/08/2021**

## 3.1 Research Report

In early March 2021, Lvse Jiangnan received feedback from local residents when conducting an on-site environmental survey in Danyang City, Jiangsu Province, saying that the exhaust gas emissions from the production process of Krono (Jiangsu) Wood Industry Co., Ltd. in Danyang City caused pollution to the nearby environment, and also brought negative externalities to local residents.

KRONO

Therefore, Lvse Jiangnan Public Environment Concerned Centre and IPE conducted an investigation on the pollution in the production process of Krono Wood, along with the related environmental damages affecting residents' daily live, and released an investigation report.



## 3.2 Green Supply Chain Forum

In the afternoon of June 29, 2021, the "Carbon Neutral Green Supply Chain Forum" hosted by SEE Taihu Project Center, undertaken by Lvse Jiangnan, and co-organized by IPE was successfully held in Suzhou High-Tech Zone.

### Carbon Neutral Green Supply Chain Forum



Participating guests include:

Yang Pingjian, the director of the Environmental Sociology Department of the Chinese Research Academy of Environmental Sciences; Hu Tao, the director of the Institute of Sustainable Development; Zhou Weidong, the director of the China Office of the World Business Council for Sustainable Development and Zhu Yongguang, the green environmental protection director of Huawei's procurement department; Ma Jun, founder and director of the Institute of Public & Environmental Affairs; Sun Yanan, vice chairman of Asia Pallet System Federation; Wang Xiaoshen, vice chairman of Ganfeng Lithium and Zeng Jianlong, a member of the Green Building and Ecological City Professional Committee of China Engineering Standardization Association.

## 3.2

### Green Supply Chain Forum



Carbon neutrality will undoubtedly have a profound impact on the future development of the world. Virtually every aspect of human life and in particular energy, economy, production technology and lifestyle will usher in new revolutions.

As an important factor in achieving carbon neutrality, green supply chain has manifested increasingly significant impact in the areas of pollution reduction and carbon reduction. The success of this forum is believed to have important practical significance for the realization of the carbon neutrality goal.

# 04/GREEN TAX

**TAX**

As one of the policy tools, taxation is an important means for the government to regulate market development and enterprise operation. A scientific, comprehensive, fair and efficient tax policy will have non-negligible significance for the development of the market and enterprises.

# GreenTax

## GreenTax

The precise implementation of green taxation, with more systematic measures and more flexible strategies, provides methodological guidance for pollution prevention and control, and provides an additional directional path, leveraging the tax lever to reduce pollution and carbon emissions.

In 2021, Lvse Jiangnan released a total of 3 green tax reports.



**March 8, 2021**

Green Tax Research Report 4  
Whether the environmental performance of resources comprehensive utilization enterprises influences the tax preference



**May, 12, 2021**

Green Tax Research Report 5  
National Environmental Taxation  
Observation Report of New Wall  
Material Enterprises



**Dec, 7, 2021**

Green Tax Research Report 6  
Environmental Penalties in the  
Cement Industry Affect Tax  
Incentives

# 05/ GREEN SECURITIES





# Carbon Neutrality

Under the backdrop of carbon neutrality, companies should fulfill their social responsibilities for environmental and climate information disclosure.

In 2021, Lvse Jiangnan continued to pay attention to the environmental disclosure of listed companies and released 4 green securities reports.



**Jan, 4, 2021**



Green Securities Research Report 3  
Environmental Disclosure Observation Report of Steel and Coal Industry Companies Listed in Mainland China and Hongkong

**Jan, 20, 2021**



Research on Climate Disclosure of Companies Listed in both Mainland China and Hongkong  
Key Financial Indicators Influence Stock Liquidity



**Feb, 1, 2021**

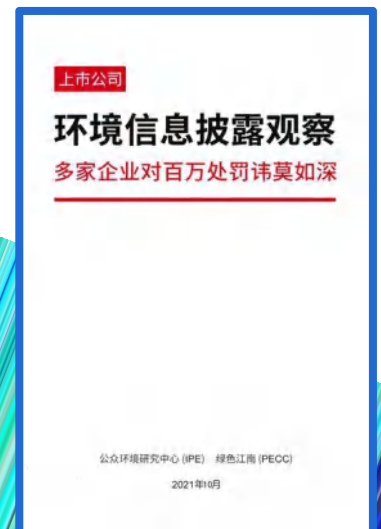


Environmental Disclosure Report  
Have the Three-stage Goal of Environmental Information Disclosure by Listed Companies Been Achieved?

**Oct, 25, 2021**



Environmental Information Disclosure of Listed Companies: Many Listed companies are secretive of multi penalties



06 |

# GREEN INSURANCE



In 2018, the "Administrative Measures for Environmental Pollution Compulsory Liability Insurance (Draft)" reviewed and approved in principle by the Ministry of Ecology and Environment points out that enterprises with high environmental risks in China are required to implement compulsory environmental pollution liability insurance. Lvse Jiangnan urges that environmental pollution liability insurance can effectively promote insurance companies to pay attention to the environmental performance of enterprises and improve the ability of enterprises to prevent environmental risks.

Under the theme of green insurance, Lvse Jiangnan released 5 reports during the year.

**Mar, 1, 2021 ▶**



**Jun, 21, 2021 ▶**



**Sep, 10, 2021 ▼**



**▲ Aug, 9, 2021**

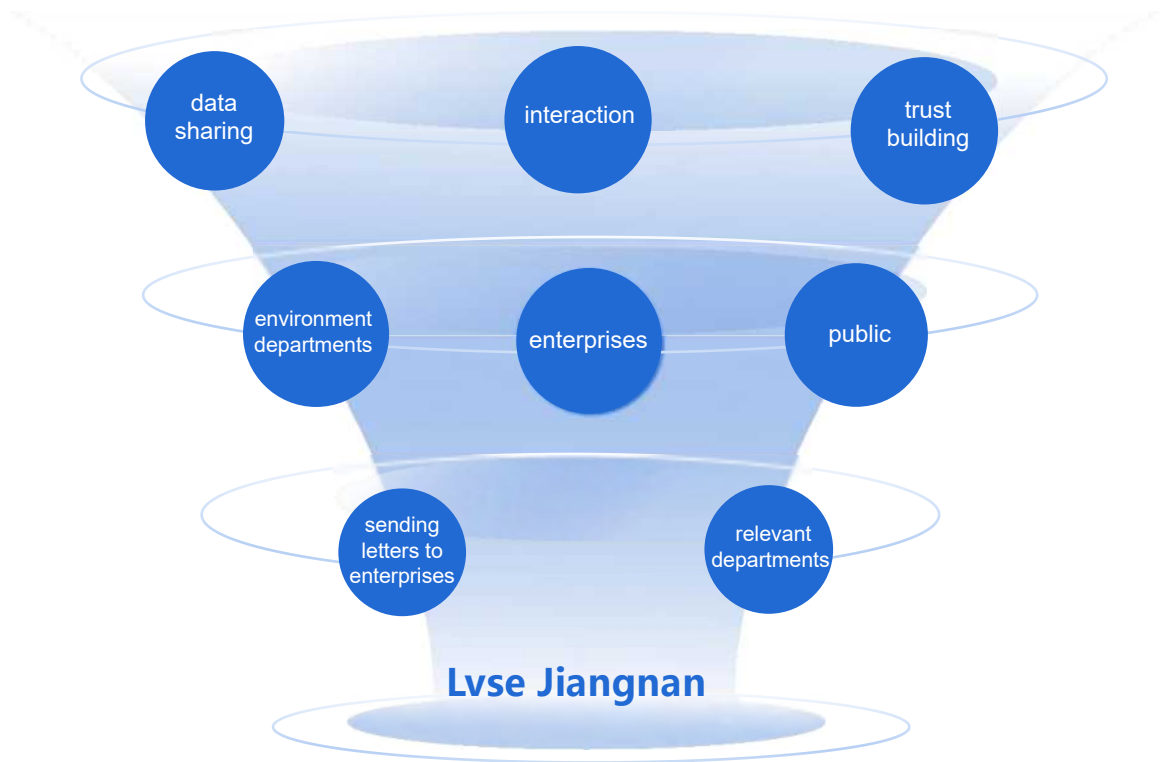


**◀ Nov, 12, 2021**

# 07/BUILD A BLUE ECO CHAIN



# Blue Eco Chain



Lvse Jiangnan encourages enterprises to take the initiative to publicize their environmental problems with the help of the blue map by sending letters to enterprises and reporting cases of violations of laws to relevant departments, whereby to achieve multi-party (ecology and environment departments, enterprises, public) information and data sharing, interaction, trust building, and achieve the Blue Ecological Chain.



2021 —

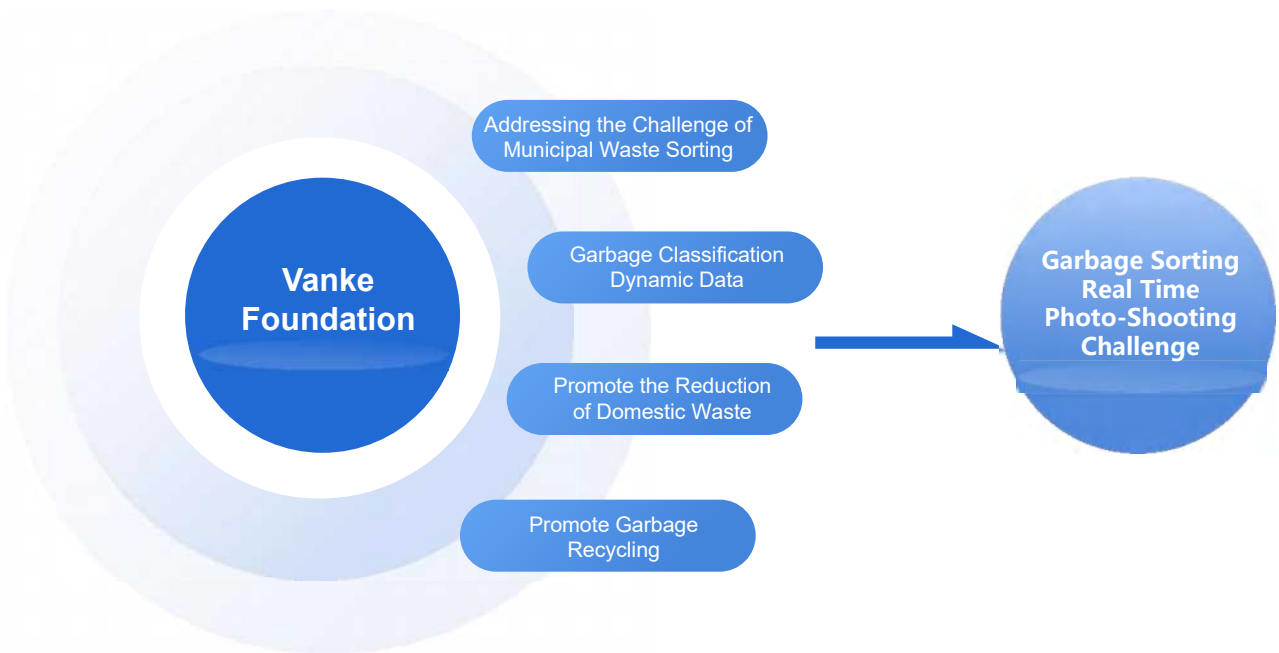
- In 2021, Lvse Jiangnan urged a total of 76 companies to pay more attention to their environmental performance
- 50 companies took the initiative to make a public statement

# 08/ BIG DATA EMPOWERS

GARBAGE CLASSIFICATION REAL TIME PHOTO-SHOOTING



## 》》》 Suzhou Waste Sorting City Challenge



In order to cope with the increasingly prominent urban waste challenge, assist government departments and relevant social parties to grasp the relevant situation and dynamic data of garbage classification in urban communities, and promote multi-party participation in the reduction and recycling of domestic waste at the source, Vanke Foundation cooperates with the Institute of Public & Environmental Affairs to co-initiate the "Photo Shooting of Community Garbage Classification Status Challenge".

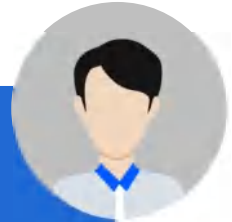
Since March 2021, Lvse Jiangnan has launched the "Suzhou Waste Sorting City Challenge", inviting the public within the metropolitan area of Suzhou to carry out waste sorting photo shoots through the Blue Map app, and presenting real-time waste sorting conditions in various districts in Suzhou.



## »»» The Voice of Volunteers

A group of volunteers traveled to many communities in Suzhou, dedicating their spare time to this public welfare cause with a sincere heart.

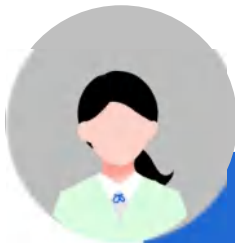
### Guo - Xi'an Jiaotong-Liverpool University



I became a volunteer of Lvse Jiangnan by chance, and I gained a deep sense of satisfaction during this period. In the early days of filming, I often wondered, why did I choose to shoot garbage in residential areas?

After a period of voluntary shooting, I found that the community garbage classification information collected, uploaded, and fed back by volunteers through the information publicity platform for garbage classification constructed by Blue Maps and field research can improve the implementation of garbage classification in various areas of Suzhou, provide real-time dynamic supervision to promote the standardized operation of garbage classification.

When I encountered irregular garbage disposal behavior, I would report it to staffs of Lvse Jiangnan. I also feel a sense of satisfaction and pride when I see that my personal actions can contribute to the improvement the environment. Each volunteer acts as an investigator and supervisor, and a photo taken could bring substantial help to the optimization of the surrounding environment.



### An Anonymous Soochow University Student

After participating in the one-month garbage sorting challenge, I photographed 38 communities. At the onset, I joined the challenge with a mentality of participating in public welfare activities, but during the activity, in addition to recording the garbage classification in the community, I also had a lot of thoughts of my own.

I am very pleased to see that the community has actively implemented various measures for garbage classification, and the citizens have created a better environment. So I decided to make garbage sorting the topic of one of my module. This is based on my real-life observation of one neighborhood after another, and I have seen the improvement and development of this city, which deserves to be recorded and studied.