



# 2017 Review

**China Environmental United Certification Center**





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# Update on China Environmental Labelling



1. **4** Criteria: *Culture paper* (HJ 410-2017), *Plastic packaging products* (HJ 209-2017), *Gas cooking appliances* (HJ 311-2017), *Digital copying (including multi-function) devices* (HJ 424-2017) were revised and will be implemented from March 1 of 2018. The valid number of criteria is **99**.
2. By the end of 2017, there are **4559** licenses and **3698** companies are involved.



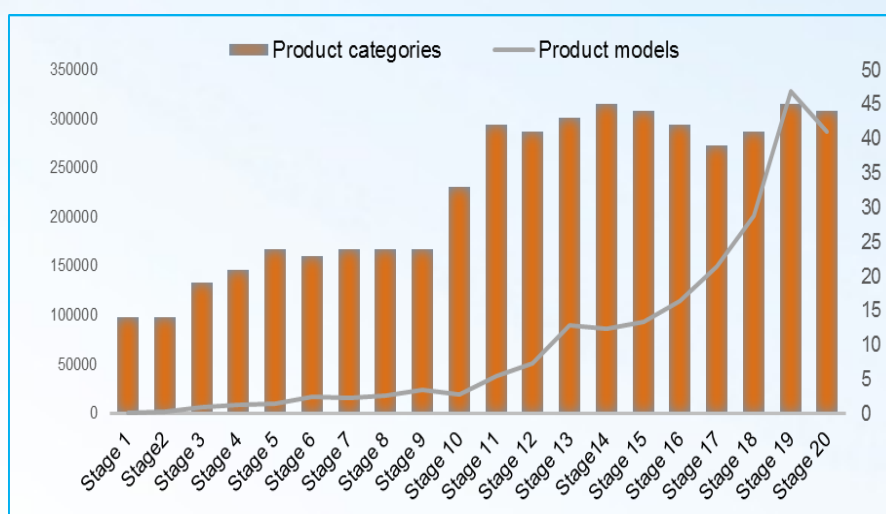
3. CEC finished and released the Report on Assessment of Environmental Performances of Environmental Labelling Criteria (2017), which was based on the statistical emission reduction data of CEL certified products in 2015.

Item	Pollution Factor	Emission Reduction
Air Pollution	VOCs	107,500 Ton
	NO <sub>x</sub>	21,000 Ton
	SO <sub>2</sub>	6,000 Ton
	CO <sub>2</sub>	4,763,000 Ton
Water Pollution	Total phosphorus	49,477 Ton
Solid Waste	Plastic	2692 Ton
	Hg	9.19 Ton
Energy Saving	Power Saving	8,981,000,000 KWH
Resource Saving	Water Saving	57,700,000 Ton
	Recycled Plastic	120 Ton
	Industrial solid waste	2,270,000 Ton
	Paper Pulp	39,200 Ton
	Toner Cartridge	5040000

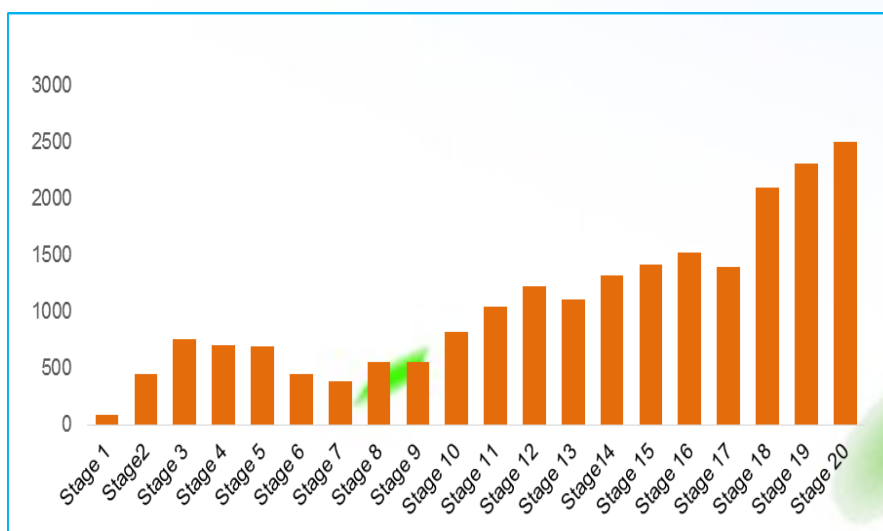
## Update on Government Procurement of CEL products



The **20th** list of Government Procurement of CEL products were published in July, which included **44** products categories, **2500** companies and **286920** product models. Wooden Plastic products was added in this list. The 21th list will be published in January of 2018.



Product categories and models of the List



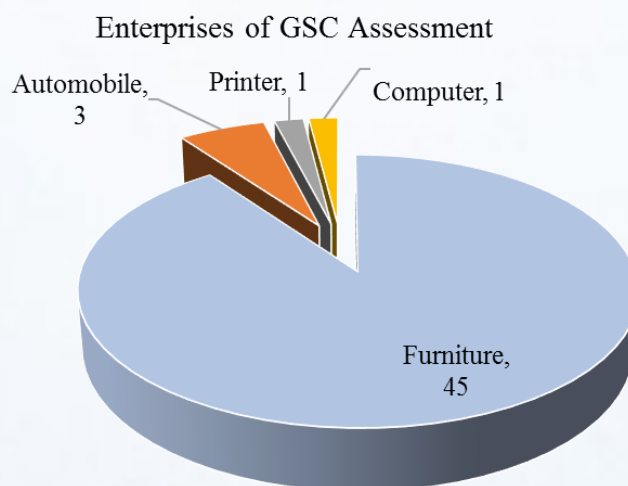
Involved Companies of the List



## Update on Green Supply Chain

Paying close attention to Chinese and international studies on green supply chain for many years, CEC has carried out activities in areas such as research projects, policy making, standards, assessment of corporate green supply chain. CEC launched to established “The Alliance of Green Consumption and Green Supply Chain” in June of 2017.

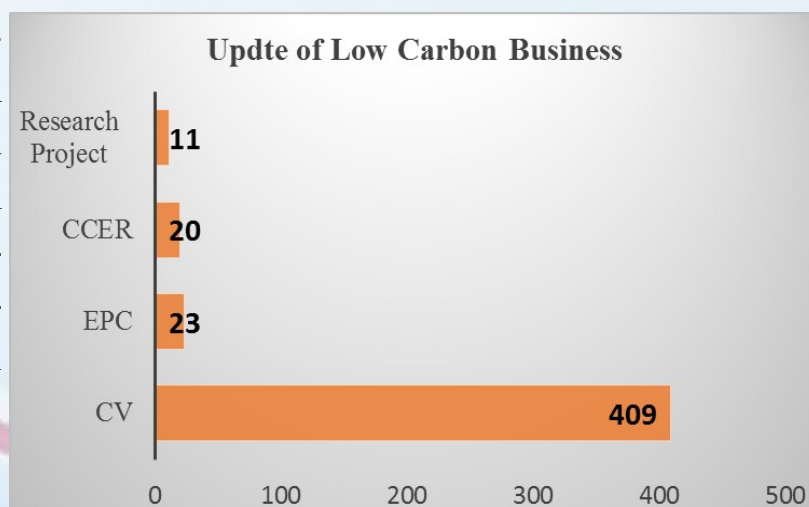
From 2016, CEC published technical criteria for assessment of Green Supply Chain and carried out assessment in line with technical criteria. By the end of 2017, CEC published **4** criteria and **50** enterprises passed assessment.



## Update on Low Carbon Business

Since 2005, in response to global climate change, to promote the Kyoto protocol, CEC start carried out the CDM project development and research work at UNFCCC and Kyoto protocol. After more than ten years development, CEC has made outstanding contributions for China's low carbon reduction.

In 2017, CEC performed carbon verification (CV) for 409 companies in **12** provinces of China. Completed EPC **23** projects, **20** China Carbon Emission Reduction (CCER) projects. Meanwhile, CEC signed **11** research projects on low carbon, such as the Global Environmental Fund, Asia Development Bank projects.



# The Forum on Innovation to Promote Green Production and Consumption held in Beijing

## ---- The 15th Anniversary Activity of CEC

The “Forum on Innovation to Promote Green Production and Consumption” & 15<sup>th</sup> Anniversary of China Environmental United Certification Center (CEC) was held in Beijing on November 29. This forum was sponsored by Environmental Development Center of MEP and undertaken by CEC. The Forum aims at implementing the gist of the 19th National Congress of Communist Party of China; fully employing the tools such as environmental labeling, green public procurement and green supply chain; carrying out green production and consumption by innovation and facilitating the development of ecological civilization in China.



The Forum invited Mr. Xie Zhenhua, former Vice Chairman of CPPCC Committee for Population, Resources and Environment, Special Representative of China for Climate Change and former Vice Minister of NDRC presented a keynote speech. Mr. Xie said, China environmental labeling system has been becoming better and approaching perfection with remarkable achievements. It has become one of the most in-

fluential and effective approaches that guide and promote green production and consumption in China.

Ms. Zhang Xiaodan, CEC General Manager gave a topic presentation titled “15-Years Innovation and Development for Green Practice”. She introduced the development and achievements of CEC over the past 15 years and indicated that CEC will always strive for the improvement of environmental quality and adhere to “honesty, responsibility, service and development” values; focus on the 3 areas of “environmental protection, energy saving and low carbon”; gradually develop the technical system with “certification of China environmental labeling products as the main line, green supply chain assessment as core work, ISO management system certification as the cornerstone and carbon emission verification as the coordination”; and contribute to the development of green, low carbon and circular economy of China in an all-round way.



In addition, the meeting granted relevant awards to old leaders, enterprises and institutions that have supported and made contributions to the establishment and development of China Environmental Labelling system.



## “Alliance of Green Consumption and Green Supply Chain” Established in Beijing



As the leading organization, China Environmental United Certification Center (CEC) established the “Alliance of Green Consumption and Green Supply Chain (GCSG)” at the China-Japan High-Level Roundtable Dialogue on Environmental Protection on June 14, 2017 with the witness of both Chinese and Japanese representatives. The Alliance aims at advocating and promoting green consumption in the whole society; developing the production pattern and lifestyle that save resources and protect the environment and facilitating the improvement of environmental quality.



The Vice Minister of MEP attending GCSG Launching Ceremony

GCSG is co-initiated by institutions such as CEC, Environmental Certification Center of MEP, TEDA Administrative Commission, Design and Research Institute of China Commercial Aircraft Manufacturing Co., Ltd., China Grand Enterprises, Shanghai General Motors, China Hewlett-Packard Co., Ltd., Quanyou Furniture Co., Ltd., Beijing Institute of Graphic Communication, Alashan SEE Foundation, Institute of Public Environmental Affairs and is composed of 109 members including universities & colleges, research institutes, testing institution, relevant enterprises and social groups.

In the fields of green consumption and green supply chain, GCSG will build a bridge for the dialogues and exchanges among government, enterprises, society and the public; develop a platform for sharing the information on production, teaching and research as well as R&D and innovation of technologies; provide a window for exchanges, exhibition and sharing of Chinese and international experience; and play an active role in promoting the development of ecological civilization and green development.

## Letter of Intent regarding Joint Activities Concerning the Cooperation on Green Consumption between China and Germany signed in Beijing



With the support of the Ministry of Environmental Protection (MEP) and German Federal Ministry for the Environment, Nature Conservation, Building and Nuclear Safety (BMUB), a new environmental paper has been signed in Beijing. The Environmental Development Center (EDC) of MEP, German Environmental Protection Agency (UBA), China Environmental United Certification Center (CEC) and RAL gGmbH (RAL) jointly signed the Letter of Intent (LOI) in Beijing on 29th June 2017. Representatives from MEP, BMUB, EDC, and GIZ witnessed the signing ceremony. Based on China-Germany cooperation on environmental labelling, this cooperation will expand to green consumption field such as SPP, green supply chain and continue 4-years study and practices under the support of the Sino-German Environmental Partnership Project.

The signing of the LOI will become a new milestone for cooperation on environmental labeling between China and Germany. It will play more positive role in achieving SDG of the United Nations and promoting green consumption.



# The Practice of China Environmental Labelling Wins International Awards

“China Government Procurement of Environmental Labelling Products” provided by CEC won 2017 Outstanding Case Study Award at the awarding ceremony of SPLC in May. In addition, China Environmental United Certification Center won “2017 GEC Catalyst Award Finalist” for leadership and innovation in supply chain sustainability in June, which was organized by the Green Electronics Council (GEC) of the United States.



As the institution implementing China Environmental Labelling Program, China Environmental United Certification Center (CEC) has been engaging in environmental labeling and promoting both research and practice on green supply chain and green consumption over the past years. China has released 20 issues of “List of Environmental Labelling Products for Government Procurement” since 2006 with commencement of “China Government Procurement of Environmental Labelling Products”, involving over 280,000 product models of 60 product categories and over 3000 enterprises. According to the statistics of Ministry of Finance, the total volume of government procurement of environmental labeling products in China was 715.45 billion Yuan RMB during 2008~2015 with continuous rise of the percent in government procurement of the similar products. In 2015 alone, green government procurement of environment-labelling products such as furniture, computer, printer and copier could save over 100 million Yuan RMB for direct treatment of pollutants.

The international recognition of China’s practice in environmental labeling fully indicates that the implementation of China’s List on Government Procurement of Environmental Labelling Products has quite big positive impacts\* on the environment, economy and society and plays a guiding role in final achievement of green procurement and green consumption. CEC will keep on its efforts and make greater contributions to sustainable development.



# CEC contributes to green airplane

A C919 big airplane landed on No.4 airstrip of Pudong International Airport at 15:19, May 5, 2017. This is a historic moment. At last, there is a big passenger plane developed by China in line with internationally advanced criteria with full intellectual property right.



The green tail of the so called “Pangjiu” big airplane is eye catching, representing a “green” airplane. At the designing stage, it is required that the airplane would be an advanced green airplane with emission meeting environmental requirements. With the idea of environmental design, C919 external noise is over 10 dB lower than ICAO Stage IV criteria, 12%-15% lower than CO<sub>2</sub> emission limit and over 50% lower than NO<sub>x</sub> emission limit of ICAO CAEP6. CEC has helped Commercial Aircraft of China Ltd. (COMAC) in terms of certification of environment management system and occupational health and safety management system since 2010. In 2015, COMAC achieved full coverage of both production & service system and environment & safety system (i.e.OHSMS and EMS) of the company. Relevant organizations of COMAC such as Shanghai Aircraft Design and Research Institute and Customer Service Company have passed the review of the“Two systems”.



Taking the maiden first flight of C919 as an opportunity, CEC will actively promote environmental certification, make brave innovation, march forward, continuously promote certification of environmental label and green consumption revolution, improve environmental management of green supply chain, facilitate the upgrading of relevant industrial structure and make its contribution to the promotion of the development of ecological civilization.

## CEC contributes to green and low carbon“Beijing 2022 Winter Olympic Games and Winter Paralympic Games”



**BEIJING 2022™**



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Enhancing carbon management and holding a low carbon Olympic Games are the open commitment of Beijing Organization Committee for 2022 Winter Olympic Games and Winter Paralympic Games to International Olympic Committee (IOC) and the whole world. It is an important component of the implementation of “Sustainable Development” concept of this winter Olympic Games. Meanwhile, it also is an important opportunity to show the leadership of China in addressing climate change.

As an independent third party verification agency with international qualifications, CEC based on internationally recognized methodology and criteria for quantification of GHG emissions will appropriately assess the achievements of carbon management program for the “Beijing 2022 Winter Olympic Games and Winter Paralympic Games” in a scientific way and inform IOC and the public of the relevant information and assessment results in an open and transparent way. Finally, it will disclose to IOC and stakeholders of GHG emissions, reduction action & reduction amount, carbon compensation and carbon neutralization of this Winter Olympic Games and Winter Paralympic Games in the form of official report; and contribute to honoring the commitment to applying for the “Beijing 2022 Winter Olympic Games and Winter Paralympic Games”; which will showcase the world of the image of China on low carbon development

Based on the studies on and experience in policies on government procurement over the past years, CEC also carried out the Sustainable Procurement project of Beijing Organization Committee for Winter Olympic Games and has finished the compilation of *Technical Guidelines for Sustainable Procurement of Beijing 2022 Winter Olympic Games and Winter Paralympic Games—Product and Service* and *Technical Guidelines and Detailed Rules for Scoring of Sustainable Procurement of Beijing 2022 Winter Olympic Games and Winter Paralympic Games* (Wood Products and Textiles).





## CEC takes part in 2017 World Environment Day Topic Activity

The UNEP Beijing Office, Beijing Municipal Environmental Protection Bureau and the Government of Tongzhou District jointly held the World Environment Day topic activity with the theme “Man in Harmony with Nature” in Tongzhou Grand Canal Forest Park in the morning of June 5, 2017. UNEP representative, foreign

diplomatic envoys in Beijing, government officials and youth representatives gave their speech and suggestions on World Environment Day at the site. CEC is invited to take part in this activity.

It is the fourth consecutive year that CEC takes part in UNEP public activities. With posters on the site and release of brochure, CEC has promoted its certification services such as China environmental label, public green procurement and green supply chain. The vivid interpretation enables the public understand what are green lifestyle

and consumption pattern and popularize the knowledge about how to adopt green certification and so on. This activity has attracted wide attention of many media and achieved good publicity outcomes.



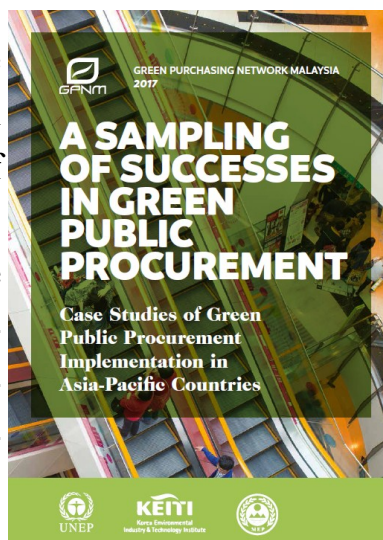


## CEC keeps on its participation in SCP 10YFP



CEC keeps on its participation in UNE 10 Year Framework Program on Sustainable Consumption and Production (SCP 10YFP). CEC is serving as a member of the Multi-Stakeholder Advisory Committee with term of 2 years in Sustainable Public Procurement (SPP 10YFP) and as a member of Consumer Information for SCP (CI 10YFP).

In 2017, CEC contributed to the formulation of 2 UNEP reports on GPP. They are “A Sampling of Successes in Green Public Procurement” and “Comparative Analysis of Green Public Procurement and Ecolabelling Programmes in China, Japan, Thailand and the Republic of Korea: Lessons Learned and Common Success Factors”.



### The Alliance of Green Consumption and Green Supply Chain (GCSG) in China



GCSG is co-founded by the Environmental Certification Center of the Ministry of Environmental Protection, the China Environmental United Certification Center and other agencies with voluntary participation of relevant enterprises, universities, research institutes and social organizations. With “innovative, coordinated, green, open and shared” development as its mission, GCSG will develop a strong alliance covering all social forces, conduct joint study and facilitate the development of “green consumption” and “green supply chain”.

Led by: China Environmental United Certification Center  
Implemented in: China



Sustainable  
Public  
Procurement

In 2017, CEC participated several webinars on SPP and CI programmes and has given response to the call of UNE. In addition, CEC has submitted an initiative of GSCG and related activity reports on SCP to UNE.



## Deepen and expand international cooperation with remarkable achievements

CEC actively takes part in international cooperation to expand the reputation of China on environmental label. CEC attended GEN 2017 Board Meeting and GEN Annual General Meeting. Cooperating with Blue Angel, CEC has signed the “Letter of Intent for China-Germany Cooperation on Sustainable Consumption” and “China-Germany Common Core Criterion for Environmental Labelling of Air Conditioner”. CEC has deepened its cooperation with Japan and Korea on environmental labeling and signed the “China-Japan-Korea Common Core Criterion for Environmental Labelling of Textiles” and “China-Japan Common Core Criterion for Scanner”. In 2017, CEC and EU reached a consensus on environmental labeling cooperation. In addition, CEC is discussing cooperation with countries covered by the Belt and Road Initiative such as Israel and Cambodia. Also, CEC is exploring deeper cooperation with IGPN.

CEC has obtained the approval of two international projects; they are “Capacity Building on Typical Green Products of APEC Economies” and “Demonstration Project on Capacity Building in Environmental Labelling in the Lancang – Mekong River Basin”. The two projects will commence in 2018 in an all round way.



China-Japan CCC for Scanner



Meeting with EU Ecolabel Dept.



Introducing CEL at EUEB meeting



GEN Board Meeting



China-Germany CCC for Conditioner



JICA Project Workshop on GSC



Meeting with IGPN Chairman



Meeting with BMUB Officer



Workshop on Timer in Cameroon



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