

# Sustainability in the Textile Value Chain, Promoting Ecolabel and Sustainable Public Procurement in China

“Greening Supply and demand: Advancing Eco-Labels and Sustainable Public Procurement for climate and biodiversity protection (EcoAdvance)”



China Environmental United Certification Center (CEC)

Yuxin LEI

December 11, 2025



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## Project Background

GLOBAL  
DISTRIBUTION  
OF THE TEXTILE  
VALUE CHAIN

1

## Project Outcomes

TECHNICAL  
SPECIFICATION

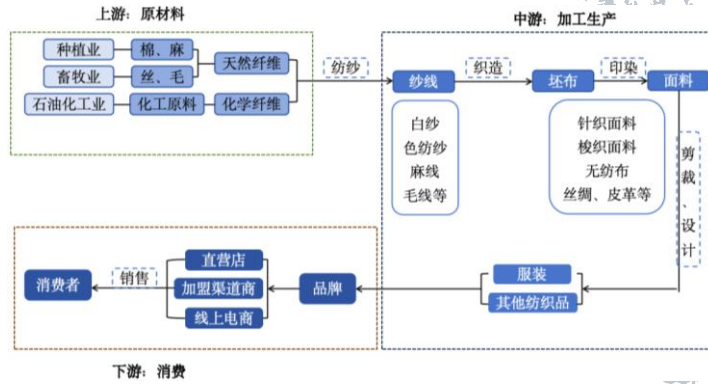
2

## Summary and Outlook

INTERNATIONAL  
PROMOTION  
AND  
EXPERIENCE  
SHARING

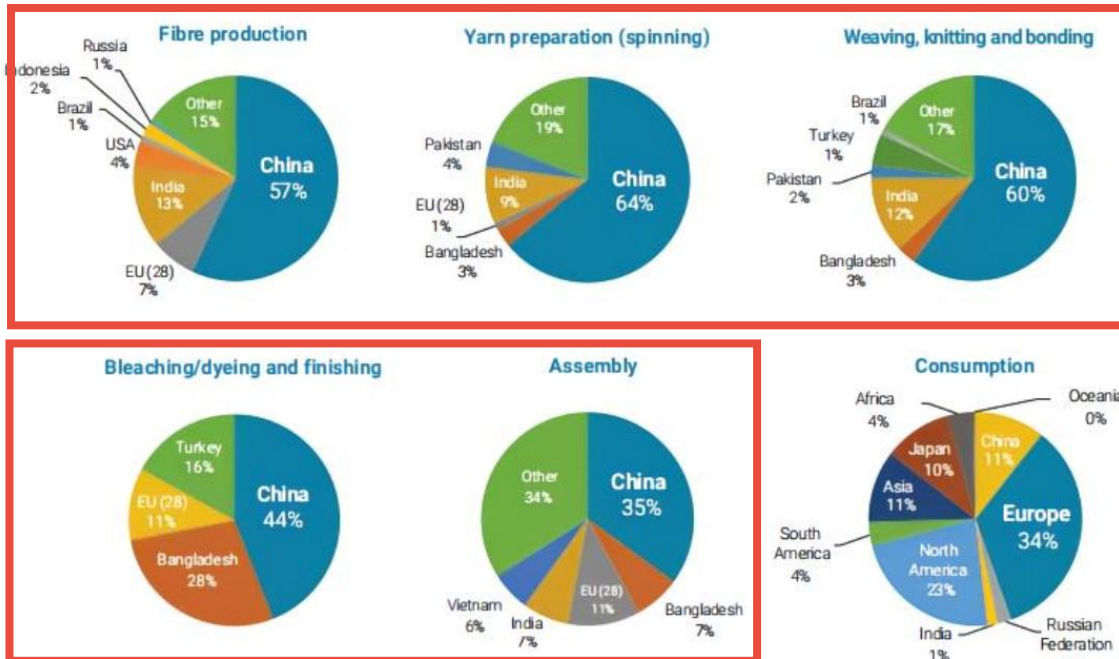
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# ➤ Background

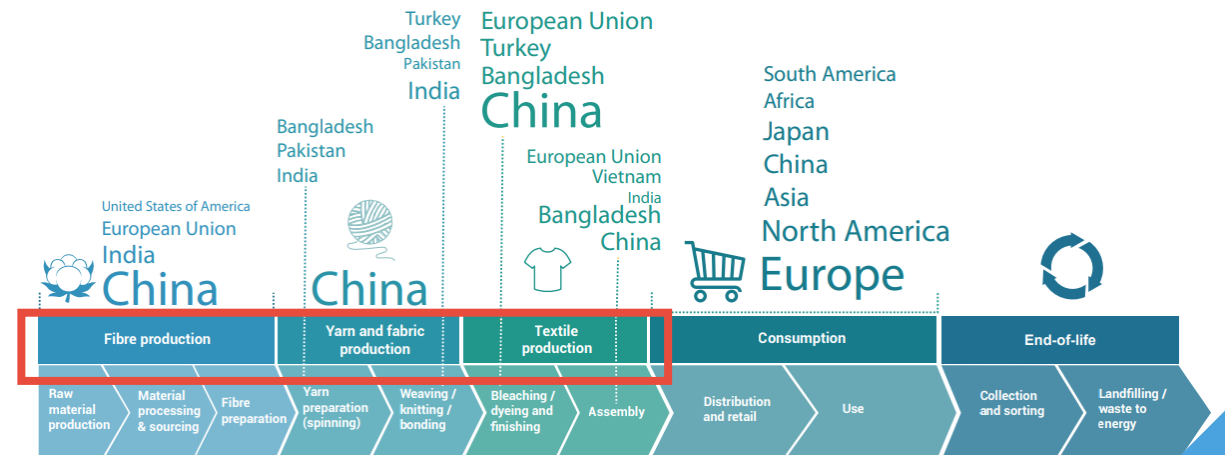


Panoramic View of China's Textile Industry Chain

The textile industry is a vital pillar of China's economy and an environmentally sensitive sector, drawing significant attention in the transition toward green and low-carbon development. In 2020, **the total carbon emissions of China's textile and apparel industry reached approximately 209 million tons**, accounting for about 2% of the nation's total emissions and **2.8% of total industrial emissions**. The primary sources of carbon emissions in textile enterprises include raw material processing, dyeing and finishing, and product manufacturing.



Global Distribution of the Textile Value Chain

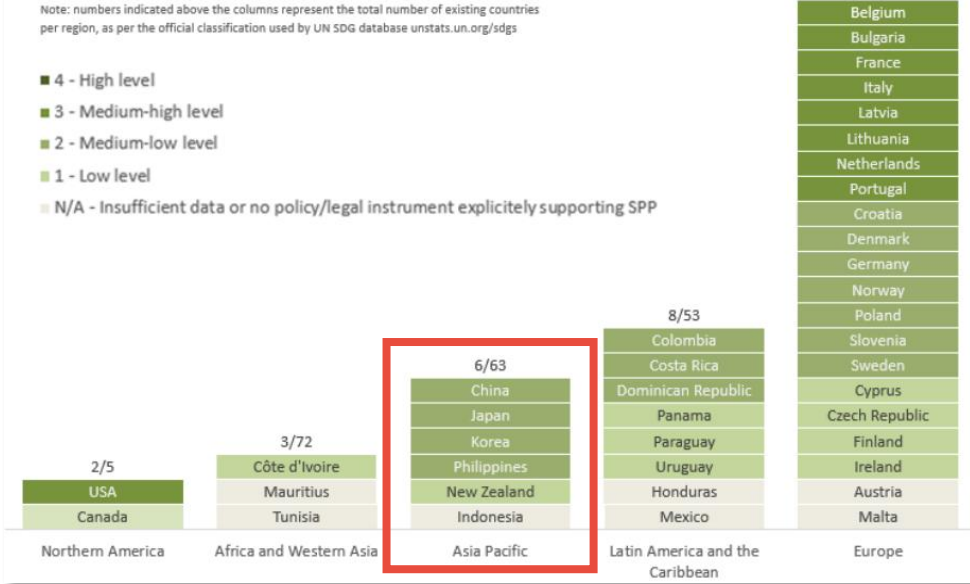




# ➤ Background



## Global Sustainable Public Procurement Framework and Maturity Levels



Based on the Life Cycle Assessment (LCA) methodology (from 'cradle to grave'), this initiative **focuses on minimizing impacts on human health, climate change, biodiversity loss, pollution, and social issues** by promoting sustainable standards across the value chain of the Chinese textile industry. It aims to **foster sustainable procurement practices** and influence both suppliers and procurers to advance sustainable public purchasing of Chinese textiles.



<http://www.mepcec.com/xwzx/gsxw/2024/11879.shtml>

<https://www.oneplanetnetwork.org/news-and-events/news/driving-sustainability-chinas-textile-industry-collaborative-approach>

**CEC and UNEP Forge Partnership for Textile Industry Project Collaboration**

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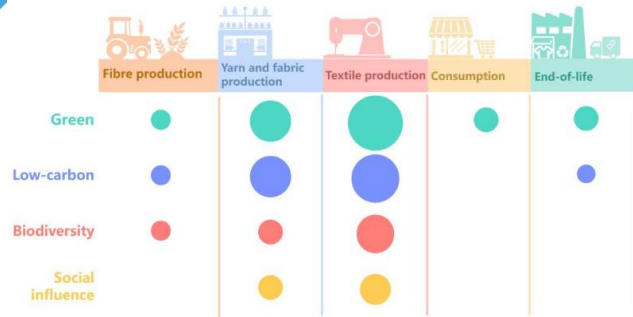
2

## **Summary and Outlook**

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AND  
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# Outcome 1-Compile the Textile Industry Research Report



Textile industry standard hotspot mapping

## Literature and Standards Research

- The design and completion of a questionnaire targeted at textile enterprises and industry experts, followed by online and onsite research visits to **over 20 textile companies**, as well as conducting online surveys and interviews with **more than 10 industry specialists**.

## Textile Enterprise and Experts Questionnaire

- A deep understanding of the textile industry 's demands and goals was achieved, **identifying key control points in the product value chain**, culminating in the completion and submission of the ' **Textile Industry Research Report** ' , totaling over 12,000 words.

## Textile Industry Research Report

- The consolidation and summary of analytical findings from **over 40 policy documents and more than 50 green low-carbon product standards**.

## Project kick-off communication meeting

### 6 stages - 24 months

2024.4	Startup Phase
2024.4-2024.9	Activity 1 – Preliminary Research
2024.10-2025.4	Activity 2 - Development of Technical Specifications
2025.4-2025.10	Activity 3 - Application and Promotion
2025.10-2025.12	Activity 4 - Knowledge Sharing
2026.4.30	Project Completion

## Major project stage arrangement

Appendix 5 Questionnaire on ecological textile product standard certification

This survey activity is an important part of the textile value chain sustainability research project conducted by the China Environmental United Certification Center (CEC) and the United Nations Environment Programme (UNEP). The information obtained will provide useful references for the project. To ensure the effectiveness of information collection, please ask the relevant technical responsible person of your unit to truthfully fill out the questionnaire according to the actual situation. Thank you for your support in this research work.

Appendix 4 Questionnaire on Green and Low Carbon Development of Textile Enterprises

This survey activity is an important part of the textile value chain sustainability research project conducted by the China Environmental United Certification Center (CEC) and the United Nations Environment Programme (UNEP). The information obtained will provide useful references for the project. To ensure the effectiveness of information collection, please ask the relevant technical responsible person of your unit to truthfully fill out the questionnaire according to the actual situation. Thank you for your support in this research work.

1. Name of the person filling in: \_\_\_\_\_

2. Contact number: \_\_\_\_\_

3. Unit Name: ( ) \_\_\_\_\_

4. Unit nature: ☐ Research Institute ☐ Production Enterprise

5. What are the existing green industry-leading in the field of standards, local standards, and [1] Basic information

(Please provide specific description) 1. Enterprise Name: ( ) \_\_\_\_\_

6. What are the more scientific textile products? ( ) \_\_\_\_\_

(Please provide specific description) 2. Production address: ( ) \_\_\_\_\_

7. Do you think there is any low-carbon standards or decarbonization? ☐ Yes ☐ No

If yes, which parts of the standards for ecological textile low-carbon, the use of renewable energy, etc.

(Please provide specific description) 3. Name of the person filling in the form: ( ) \_\_\_\_\_

Contact number: ( ) \_\_\_\_\_

4. Number of employees in the enterprise: ( ) \_\_\_\_\_

The proportion of female employees: ( ) %

5. Main products of the enterprise: ( ) \_\_\_\_\_

(Please provide a specific description) 6. Quality standards for product execution: ( ) \_\_\_\_\_

(Can be described specifically by product category) 7. Which processes are currently involved in your company's production and operation activities? (Multiple options available)

(Please provide specific description) 8. What do you think is the current situation of raw material acquisition (planting or obtaining natural raw materials for spinning such as cotton, linen, bamboo, silk, wool, etc.): ☐ Spinning ☐ Weaving ☐ Printing and dyeing ☐ Textile product manufacturing (cutting, sewing and other activities, processing textile materials into textile products) ☐ Others: (Please describe in detail) \_\_\_\_\_

9. What are the main types and proportions of fibers currently used by your company?

☐ Natural fiber (proportion: \_\_\_\_\_ main source: \_\_\_\_\_)

☐ Chemical fiber (proportion: \_\_\_\_\_ main types: \_\_\_\_\_)

☐ Synthetic fiber (proportion: \_\_\_\_\_ main types: \_\_\_\_\_)

## Research on testing organisations

## TEXTILE INDUSTRY RESEARCH REPORT

sustainability of the textile value chain for eco-labeling and sustainable public procurement

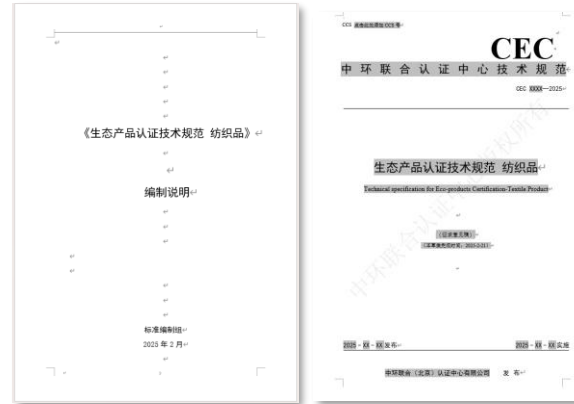
China Environmental United (Beijing) Certification Center Co., Ltd.

2024.09

# Outcome 2-Developing Technical Specification for Eco-products Certification



Completed the preliminary draft of the Technical Specification for Eco-Textile Products and had it reviewed by experts from UNEP and Oeko.



## Preliminary Draft of the Technical Specification

## Draft Standard for Comments and Preparation Notes

## Final Release Version of the Technical Specification

## Project Progress Report

## Interim progress report & Financial report

### Final Expenditure Reports

Partners Name: China Environmental United Certification Center (CEC)  
Title of the approved PRC project: EcoAdvance  
SSFA starting date: 10/04/2024  
Reporting period: from 10/04/2024 to 30/03/2026  
Cumulative amount already transferred from UNEP to the Partner as of this reporting date: USD 15,000.00

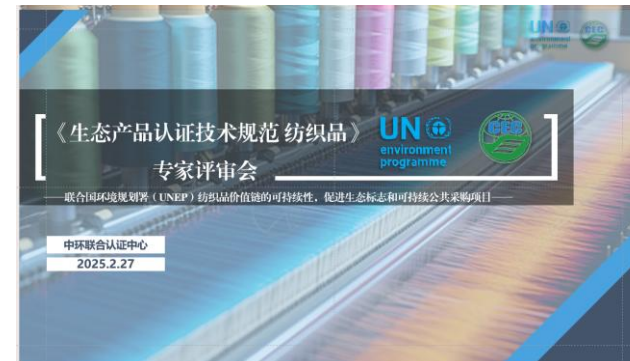
Activity	Original Budget (USD)	Expenditures in (2024) (USD)	Expenditures incurred in (2025) (USD)	Total Expenditures (USD)	Comments (If the expenditures were different from what was originally planned, please provide a short explanation)
Activity					
1.1	3,670	2,077,6644	0	2,077,6644	
1.2	1,310	941,4076	0	941,4076	
Sub-total	4,770	3,019,072	0	3,019,072	
Activity					
2.1	16,000	0	0	0	
2.2	1,207	0	0	0	
Sub-total	17,220	0	0	0	
Activity					
3.1	8,000	0	0	0	
3.2	5,000	0	0	0	
Sub-total	13,000	0	0	0	
Activity					
4.1	5,000	0	0	0	
Sub-total	5,000	0	0	0	
Total Cost					
Partner contribution					
Total Cost for UNEP					

Signature of a duly Authorized officer:

Name : Cui Xiaodong  
Position : Director of Certification Department  
Date: 2025-1-14

## Expert Review Meeting

## Organized and convened an expert review meeting



## 中环联合等四家机构共同发布生态纺织品标准，引领纺织业可持续发展

日期: 2025-04-28 10:17:47 来源: 公司动态

受联合国环境规划署 (UNEP) 委托，作为“纺织品价值链的可持续性，促进生态标志和可持续公共采购”项目的核心成果，近日，中环联合认证中心联合青岛市产品质量检验研究院、南京海关纺织工业产品检测中心、无锡市纺织工业协会共同发布《生态产品认证技术规范 纺织品》（以下简称“标准”）。

作为联合国环境规划署 (UNEP) “供需绿色化：推进生态标志和可持续公共采购以保护气候和生物多样性”全球计划的重要实践，该项目自启动以来，中环联合依托其作为“同一个地球网络”可持续公共采购计划领导机构及消费者信息计划顾问成员的双重角色，运用中国环境标志认证及政府绿色采购实践经验，基于联合国环境规划署 (UNEP) 提出的《纺织品价值链的可持续性和循环性：全球路线图》，采用全生命周期理念和方法，重点着眼于减少纺织品对人体健康、气候变化、生物多样性、环境污染的影响，将纺织品的原料来源、低碳生产、循环利用及企业社会责任纳入标准体系，实现从棉田到成衣的全程管控。从纺织品价值链视角，引导供应商优化生产工艺、推动采购商优先选择绿色低碳产品，为企业绿色转型划定可操作的行动路径，促进中国可持续公共采购实践的体系化落地。

下一步，四家机构将联合开展标准的应用与推广活动，在纺织业密集区域内选取代表性企业启动试点认证工作，推动标准在产业链上下游落地，形成可复制、可推广的经验模式，并在国际平台进行案例分享，通过本土实践与国际协作的双轮驱动，将标准转化为全球纺织价值链绿色升级的通用工具，为行业可持续发展贡献力量。





# Outcome 2-Developing Technical Specifications for Eco-products Certification



## Final Release Version of the Technical Specification (Chinese and English)

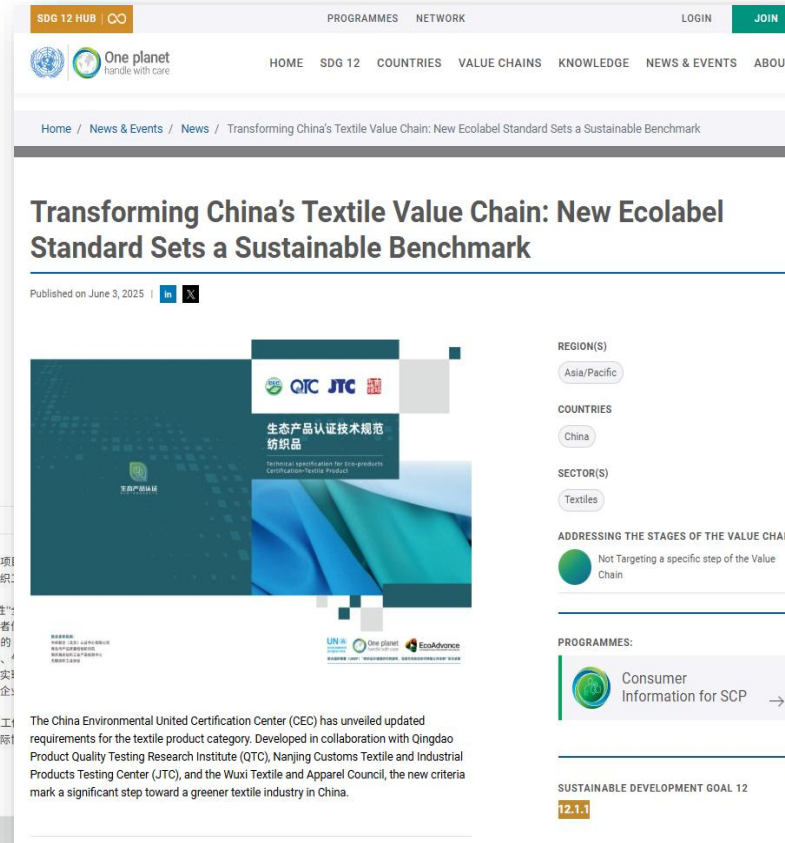
中环联合等四家机构共同发布生态纺织品标准，引领纺织业可持续发展

日期：2025-04-28 10:17:47 栏目：公司动态

受联合国环境规划署（UNEP）委托，作为“纺织品价值链的可持续性，促进生态标志和可持续公共采购”项目成果，近日，中环联合认证中心联合青岛市产品质量检验研究院、南京海关纺织工业产品检测中心、无锡市纺织工业研究所（生态产品认证技术规范 纺织品）（以下简称“标准”）。

作为联合国环境规划署（UNEP）“供需绿色化：推进生态标志和可持续公共采购以保护气候和生物多样性”重要实践，该项目自启动以来，中环联合依托其作为“同一个地球网络”可持续公共采购计划领导机构及消费者同盟成员的双重角色，运用中国环境标志认证及政府绿色采购实践经验，基于联合国环境规划署（UNEP）提出的价值链的可持续性：全球路线图，采用全生命周期理念和方法，重点着眼于减少纺织品对人体健康、生物多样性、环境污染的影响，将纺织品的原料来源、低碳生产、循环利用及企业社会责任纳入标准体系，实成衣的全程管控，从纺织品价值链视角，引导供应链优化生产工艺，推动采购商优先选择绿色低碳产品，为企业制定可操作的行动路径，促进中国可持续公共采购实践的体系化落地。

下一步，国家机构将开展标准的应用与推广活动，在纺织业密集区域内选取代表性企业启动试点认证工作，在产业链上下游落地，形成可复制、可推广的经验模式，并在国际平台进行案例分享，通过本土实践与国际赋能，将标准转化为全球纺织价值链绿色升级的通用工具，为行业可持续发展贡献力量。



The standard adopts a lifecycle-based approach, encompassing the entire textile value chain—from cotton cultivation to finished garments. It establishes high-level requirements across critical sustainability areas, including **raw material traceability, low-carbon production and pollution control, and corporate social responsibility and labor protection.**



## Outcome 3-Launching Promotion and Application Initiatives

### 3.1 Cooperate with Textile Industry Associations to Organize Promotion Activities

April, 2025-June, 2025

#### Organize the Kick-off Meeting / Thematic Promotion Event for Eco-Textile Product Certification

---27 May : "Technical Specification for Eco-Product Certification—Textiles" Standard and Certification Promotion and Explanation Session

#### 中环联合（北京）认证中心有限公司 青岛市产品质量检验研究院 南京海关纺织工业产品检测中心 无锡纺织工业协会

##### 关于召开《生态产品认证技术规范 纺织品》 标准及认证宣贯会的通知

各有关单位：

为推动纺织行业绿色低碳高质量发展，促进纺织产品可持续公共采购，受联合国环境规划署（UNEP）委托，作为“纺织品价值链的可持续性，促进生态标志和可持续公共采购”项目的核心成果，中环联合认证中心与南京海关纺织工业产品检测中心、无锡市纺织工业协会、青岛市产品质量检验研究院共同发布了《生态产品认证技术规范 纺织品》，现拟召开标准及认证宣贯会，有关事项通知如下：

##### 一、时间安排

2025年5月27日 9:30-12:00

##### 二、会议内容

##### （一）项目背景介绍

联合国环境规划署（UNEP）“纺织品价值链的可持续性，促进生态标志和可持续公共采购”项目介绍。

##### （二）标准解读

《生态产品认证技术规范 纺织品》标准内容解读。

##### （三）认证宣贯

针对纺织品生态产品认证实施要求、流程和后续工作安排等内容进行说明。

##### （四）交流答疑

##### 三、会议形式

本次会议采用线上会议形式。

腾讯会议号：794 134 470

##### 四、参会人员

纺织产业链企业中，高层管理人员、产品认证管理专员等，每家企业可派1-2人参加。

##### 五、报名及联系方式

本次会议不收取任何费用。

有意报名参会的企业，请于5月25日前扫描下方二维码报名，以便安排相关事宜。



若您对会议有任何疑问，欢迎随时联系我们。

联系人及联系方式：杨璐 010-59205828；曹雨欣 010-59205854

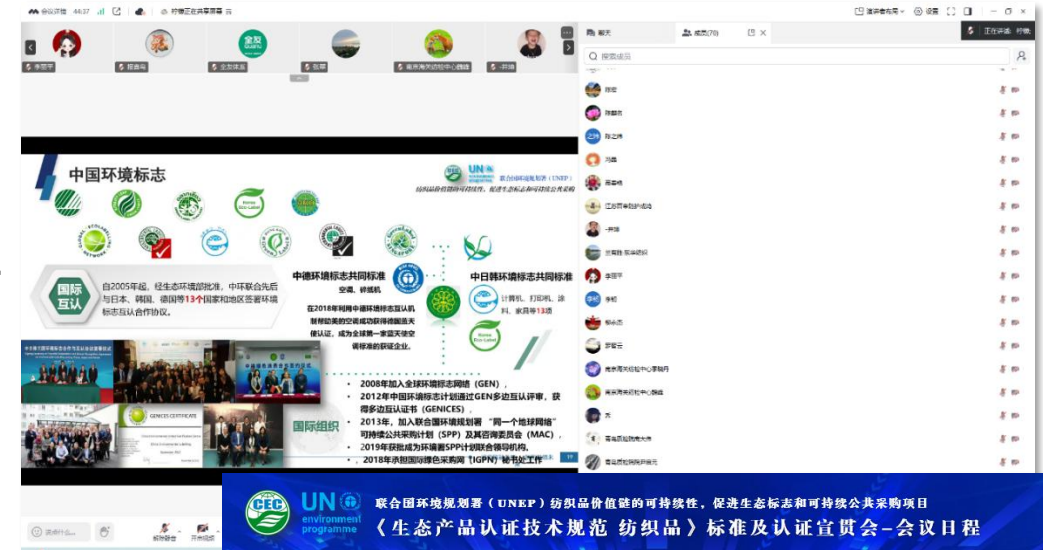
中环联合（北京）认证中心有限公司

青岛市产品质量检验研究院

南京海关纺织工业产品检测中心

无锡纺织工业协会

2025年5月13日



联合国环境规划署（UNEP）纺织品价值链的可持续性，促进生态标志和可持续公共采购项目 《生态产品认证技术规范 纺织品》标准及认证宣贯会-会议日程	
9:30-9:35	主持人介绍参会领导和嘉宾
9:35-10:00	纺织品绿色低碳标准认证与可持续采购 --中环联合认证中心认证事业部室主任 杨璐
10:00-10:20	纺织品绿色低碳检验检测新动向 --青岛市产品质量检验研究院 国家生态纺织品质量检验检测中心高级工程师 王珊珊
10:20-10:35	UNEP“纺织品价值链的可持续性，促进生态标志和可持续公共采购”项目介绍 --中环联合认证中心认证事业部室主任 曹雨欣
10:35-10:55	《生态产品认证技术规范 纺织品》解读 --中环联合认证中心 曹雨欣
10:55-11:15	纺织品检测要求介绍 --南京海关纺织工业产品检测中心部长 魏峰
11:15-11:30	纺织品生态产品认证流程介绍 --中环联合认证中心 冯晶
11:30	会议结束

## Outcome 3-Launching Promotion and Application Initiatives

### 3.1 Cooperate with Textile Industry Associations to Organize Promotion Activities

---19 June 2025\* Qingdao

#### Ecolabelling for Green Transition: A New Pathway for Sustainable Development in the Textile Sector

- **Over 70 representatives** from textile enterprises, research institutes, industry associations, and certification bodies attended the event, jointly exploring pathways for the green and low-carbon transition of the textile industry in the context of global green trends.
- As a key milestone and deliverable of the Consumer Information Programme and the EcoAdvance project in collaboration with the Qingdao Product Quality Testing Research Institute (QTC), the Nanjing Customs Textile and Industrial Products Testing Center (JTC), and the Wuxi Textile and Apparel Council, **officially launched the updated Technical Specification for Eco-product Certification – Textile Product during the event.**
- In support of its implementation, several textile enterprises signed letters of intent to participate in testing and certification, signaling strong industry commitment.



Jorge Laguna-Celis, Head of the One Planet Network Secretariat at UNEP, delivered a keynote address via video



Sijia Liu shared international good practices in eco-labeling and sustainable public procurement.



Keynote address: New Pathways for Sustainable Development in the Textile Industry



Host a Signing Ceremony for Eco-Textile Product Testing and Certification



### 3.2 Organize training to use the technical specification for private and public procurers

---24 September \* Qingdao

2025 Qingdao "Quality Month" Thematic Event — Quality: Empowering New Quality Productive Forces

Driven by the active coordination of the CEC and the strong momentum from the June promotion event, the Qingdao Municipal Administration for Market Regulation featured a dedicated "Eco-Textiles" session into its 2025 "Quality Month" thematic event in late September. This session focused on interpreting and promoting the Technical Specification for Eco-Textile Products developed under this project.

Representatives from enterprises, associations, research institutions, and procurement bodies attended the event, significantly raising the profile and industry influence of the technical specification. The session helped more companies understand and implement the eco-product certification standards while encouraging buyers to advocate for their application.





原创 工业经济司 联合国环境规划署 2025年7月1日 10:03 北京

联合国环境规划署正在发挥全球领导作用，召集合作伙

无锡纺织工业协会 2025年6月27日 14:09 江苏

点击上方「蓝字」关注我们

6月19日,为推进纺织价值链绿色低碳转型,深化生态标签在纺织服装行业可持续公共采购中的应用, 联合国环境规划署 (UNEP) “同一个地球网络”南京研究院、南京

**中国质量新闻网** 只为追求品质的你 www.cqn.com.cn

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了“生态标签”为“纺织业价值成果推广和分证管理专员”出席会议。

您当前的位置: > [新闻中心](#) > [中国质量报](#) > [第四版](#)

## 2025-06-30 16:22:59 中国质量报

联合国环境规划署“同一个地球网络”秘书处负责人通过视频代表处等机构专家围绕“全球纺织产业绿色趋势”“绿色纺织品认证”等主题作主旨演讲，多家纺织企业代表就生态标签推广实施分会上发布由青岛市质检院联合中环联合（北京）认证中心、南心、无锡纺织工业协会共同起草的标准《生态产品认证技术规范》。

2025-06-20 11:04 来源: 青岛市场监管 发布于: 北京市

(来源: 青岛市场监管)

6月19日，青岛市产品质量检验研究院组织召开纺织产业可持续发展新路径交流会。会议以“生态标签赋能绿色转型”为主题，由联合国环境规划署（UNEP）“同一个地球网络”项目支持。来自全国纺织

## 2025-06-20 08:40

OMG青岛广电

规划署 (UNEP) “同一个地球网络”项目支持, 来自全国纺织领域重点科研院所、行业协会及企业的60余名专家代表展开交流。

联合国环境规划署（UNEP）“同一个地球网络”秘书处主任Jorge Laguna-Celis通过视频致辞。会议指出，生态标签作为连接生产端与消费端的绿色桥梁，是推动纺织产业转型升级、深化可持续发展的关键抓手，对破解行业绿色转型瓶颈、构建新型产业生态具有重要意义。

联合国环境规划署 (UNEP) 驻华代表处、中环联合 (北京) 认证中心等机构专家团队围绕“全球纺织产业绿色趋势”“绿色纺织认证检验助力行业高质量发展”等主题作主旨演讲, 多家纺织企业代表就生态标签推广实施分享了实践案例。会上还发布了由青岛市产品质量检验研究院联合中环联合 (北京) 认证中心、东南沿海纺织工业产品检测中心、无锡纺织工业协会共同起草的标准《生态产品认证技术规范 纺织业 (中检版)》, 并组织签署了生态标签认证合作备忘录, 共同推动生态标签在纺织产业链的推广应用, 积极打造“检测-认证-应用”全链条绿色生态体系。

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## UNEP Supports Release of New Ecolabel Standard to Drive Sustainability in China's Textile Sector

30 June 2025

To accelerate the global shift towards more sustainable production and consumption, the United Nations Environment Programme (UNEP) is advancing the dissemination of credible and transparent sustainability information through its Consumer Information Programme. As one of the core programmes under the One Planet Network, the initiative supports the implementation of Sustainable Development Goal 12 (Responsible Consumption and Production) under the 2030 Agenda for Sustainable Development.

6月19日，青岛市产品质量检验研究院组织召开纺织产业可持续发展新路径交流会议以“生态标签赋能绿色转型”为主题，由联合国环境规划署（UNEP）“同一个地球”项目支持。来自全国纺织领域重点科研院所、行业协会及企业的60余名专家代表交流。

联合国环境规划署 (UNEP) “同一个地球网络”秘书处主任 Jorge Laguna-Ce 过视频致辞。联合国环境规划署 (UNEP) 驻华代表处、中环联合 (北京) 认证中 机构专家围绕“全球纺织产业绿色趋势”“绿色纺织品认证检验检测助力行业高质量 等主题作主旨演讲。多家纺织企业代表就生态标签推广实施分享了实践案例。

山东耶莉娅服装集团有限公司质检部部长马延芳上台发表《生态标签赋能品牌——可持续发展道路上的探索与实践。》

作为消费者信息计划与EcoAdvance项目的重要里程碑和成果，中环联合、心联合青岛市产品质量检验研究院、南京海关纺织工业产品检测中心、无锡市工业协会，在会议期间正式发布《生态产品认证技术规范——纺织品》。该标准生命周期方法，覆盖从棉花种植到成衣成品的整个纺织价值链，在原材料可  
性、低碳生产与污染控制、企业社会责任与劳动保护等关键可持续性领域设立

These activities were disseminated through the United Nations China (UN China) international platform, textile industry associations, local municipal bureaus, official local media, and participating enterprises simultaneously disseminated conference content, precisely reaching stakeholders across the industrial chain.

Multi-channel collaborative reporting achieved extensive reach of the conference materials, accumulating over 40,000 clicks. This effectively amplified the industry influence of both the project and the Technical Specification for Eco-Textile Products, promoted the scalable application of eco-labels within the textile value chain, and empowered sustainable public procurement.



# Outcome 4-Pilot Certification Launch



## 1 Document Review



## 3 Sampling and Testing



中环联合（北京）认证中心有限公司  
CEC 产品认证综合评价报告

检查类型： ☒初次 ☐监督 ☐再认证 ☐标准转换 ☐其他：\_\_\_\_\_

认证委托人名称： 德高马控股有限公司  
生产单位名称： 德高马控股有限公司  
生产单位名称： 德高马控股有限公司  
生产地址： 浙江省嘉兴市桐乡市乌镇镇226400号

检查目的：  
通过对申请方文件审查和现场检查，评价其是否 ☒符合 ☐不符合《生态环境标志产品认证技术规范》要求，确认产品符合技术规范要求的保障能力与产品一致性，以确定：  
☒是否推荐注册/保持 ☐是否推荐保持注册/保持 ☐是否推荐保持注册/保持，并颁发认证证书。

检查范围：  
1. CEC 122-2025《生态环境标志产品认证技术规范 纺织品》  
2. 适用于受检方的法律法规及其他标准  
3. CEC 标志管理  
4. 认证标志管理

9. 检查组推荐意见（若检查范围有变化，请分开描述，如：监督和增项同时进行，监督部分为推荐保持，增项部分为注册）  
**■ 推荐认证注册/保持。**

检查组确认的产品范围符合《CEC 122-2025 生态环境标志产品认证技术规范 纺织品》及《CEC 标志自愿性产品认证生产工厂质量保证能力要求》的要求，推荐认证注册/保持，现提请审查。

☐不推荐认证注册/保持。  
原因：\_\_\_\_\_

检查组组长（签字）：\_\_\_\_\_ 2025 年 10 月 24 日

Recommend Certification Registration

## 2 On-site Inspection

CEC 自愿性产品现场检查表

项目类型：☐绿色产品 ☐有害物质限制 ☐VOC产品 ☐家具产品环保标志

检查类型：☒初次 ☐监督 ☐再认证 ☐监督-增项 ☐其他：\_\_\_\_\_

附件 1 生产企业管理评价标准

评价项目	评价依据	两化建设/方法	备注情况
管理体系	组织生产经营活动符合法律法规及其他规范性文件的要求，并符合 CEC 122-2025《生态环境标志产品认证技术规范 纺织品》的要求。	1. 符合 CEC 122-2025《生态环境标志产品认证技术规范 纺织品》的要求。 2. 符合 CEC 122-2025《生态环境标志产品认证技术规范 纺织品》的要求。 3. 符合 CEC 122-2025《生态环境标志产品认证技术规范 纺织品》的要求。	符合 CEC 122-2025《生态环境标志产品认证技术规范 纺织品》的要求。
有害物质限制	组织生产经营活动符合 CEC 122-2025《生态环境标志产品认证技术规范 纺织品》的要求。	1. 符合 CEC 122-2025《生态环境标志产品认证技术规范 纺织品》的要求。 2. 符合 CEC 122-2025《生态环境标志产品认证技术规范 纺织品》的要求。 3. 符合 CEC 122-2025《生态环境标志产品认证技术规范 纺织品》的要求。	符合 CEC 122-2025《生态环境标志产品认证技术规范 纺织品》的要求。
清洁生产	组织生产经营活动符合 CEC 122-2025《生态环境标志产品认证技术规范 纺织品》的要求。	1. 符合 CEC 122-2025《生态环境标志产品认证技术规范 纺织品》的要求。 2. 符合 CEC 122-2025《生态环境标志产品认证技术规范 纺织品》的要求。 3. 符合 CEC 122-2025《生态环境标志产品认证技术规范 纺织品》的要求。	符合 CEC 122-2025《生态环境标志产品认证技术规范 纺织品》的要求。
社会责任	组织生产经营活动符合 CEC 122-2025《生态环境标志产品认证技术规范 纺织品》的要求。	1. 符合 CEC 122-2025《生态环境标志产品认证技术规范 纺织品》的要求。 2. 符合 CEC 122-2025《生态环境标志产品认证技术规范 纺织品》的要求。 3. 符合 CEC 122-2025《生态环境标志产品认证技术规范 纺织品》的要求。	符合 CEC 122-2025《生态环境标志产品认证技术规范 纺织品》的要求。

## 4 Technical Assessment

To date, we have successfully issued eco-textile certificates to three pilot textile enterprises: HLA Group Corp., Ltd., Baixiniao Holding Co., Ltd., and Shanghai Baoniao Garment Co., Ltd.

### Enterprise Feedback

All three pilot enterprises indicated that the indicator system covered by this standard is systematic, comprehensive, and scientific, providing strong guidance for their future green and low-carbon development. They also expressed their intention to promote and adopt this certification in future tender procurement processes.

## Outcome 4-Pilot Certification Launch

### ➤ Pilot Implementation Outcomes

## 1. Corporate Carbon Reduction Commitments and Implementation Plans

Guided by the technical specifications, all three enterprises have made explicit carbon reduction commitments and formulated phased emission reduction plans:

### ➤ HLA Group Corp., Ltd.

It will advance emission reduction in three phases:

- 2025-2030:** Focus on reducing Scope 1 and 2 carbon emissions, targeting a carbon intensity per unit product of  **$\leq 4.35 \text{ kg CO}_2\text{e/set.}$**
- 2031-2035:** Achieve peak absolute Scope 1 and 2 emissions, with carbon intensity per unit product  **$\leq 4.2 \text{ kg CO}_2\text{e/set.}$**
- 2036-2050:** Advance Scope 3 reduction; achieve full carbon neutrality

### ➤ Baoxiniao Holding Co., Ltd.

Committed to reducing absolute greenhouse gas emissions in Scopes 1 & 2 by 63% by 2035 compared to 2024, supported by actions in operations, production efficiency, supply chain, and employee engagement.

### ➤ Shanghai Baoniao Garment Co., Ltd.

Maintain carbon neutrality target within 2025, driven by green office upgrades, standardized production maintenance, AI-enabled supply chain monitoring, and low-carbon awareness initiatives.



## 2. Positive Changes Driven by the Technical Specification

Under the guidance of the technical specification, the three enterprises have launched multi-dimensional green transformations with initial results:

- a. Management:** Established carbon management mechanisms; started annual GHG and product carbon footprint accounting.
- b. Operations:** Implemented office energy-saving measures, production equipment optimization, and AI-supported supply chain emission monitoring.
- c. Awareness:** Conducted low-carbon training and themed activities to foster organization-wide emission reduction engagement.



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PROMOTION  
AND  
EXPERIENCE  
SHARING

3

## 1. Deepen Knowledge Sharing and Case Documentation

Building on the practical experience of pilot enterprises, complete the case study report titled "**Towards a Sustainable Textile Value Chain: Case Study on the Practice and Impact of Eco-Textile Technical Specification Certification.**" The report will systematically analyze the actual impact of the technical specifications on improving enterprise processes and enhancing the sustainability of the textile value chain.

## 2. Strengthen International Promotion and Experience Export

Formulate the case study report, to share the knowledge in the relevant networks such as One Planet Network SPP program, CI of SCP program, GEN, IGPN or CCICED, establishing an **international demonstration model** for the green transition of China's textile industry.

## 3. Expand Certification Coverage and Ecosystem Synergy

Expand the scope of pilot certification by engaging more enterprises from various sub-sectors in textile-intensive regions. Collaborate with testing institutions and industry associations to build a synergistic ecosystem encompassing "**testing – certification – procurement,**" encouraging public procurement bodies to prioritize eco-textile certification results and thereby facilitating the market transition of green products.

## 4. Advance Standard Iteration

Establish a dynamic standard update mechanism. Incorporate feedback from pilot enterprises, technological advancements in the industry, and changes in international to continuously optimize technical indicators and certification processes.

# Sustainability in the Textile Value Chain, Promoting Ecolabel and Sustainable Public Procurement in China

“Greening Supply and demand: Advancing Eco-Labels and Sustainable Public Procurement for climate and biodiversity protection (EcoAdvance)”



China Environmental United Certification Center (CEC)

Yuxin LEI

December 11, 2025

