



方圆标志认证集团  
CHINA QUALITY MARK CERTIFICATION GROUP

# China Quality Mark

## ---Towards Capacity Building on Carbon Footprint

China Quality Mark Certification Group (CQM)

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## About CQM

- ❑ CQM was established based on the former China Quality Mark Certification Committee (the secretariat located at China Association for Standardization), which was approved by the former State Bureau of Quality and Technical Supervision in 1991. It's one of the oldest organizations who started voluntary product certification in China.
- ❑ CQM is a non-profit making, independent third-party certification body and registered in China CQM is approved and authorized by [China National Certification and Accreditation Administration \(CNCA\)](#) and Accredited by [China National Accreditation Service for Conformity Assessment \(CNAS\)](#) according to ISO/IEC Guide 65, ISO/IEC17021 and others.



# CQM network

- ❑ **The network spreads all over China:** CQM has established 29 branches which located in 28 provinces.





# CQM-PCC

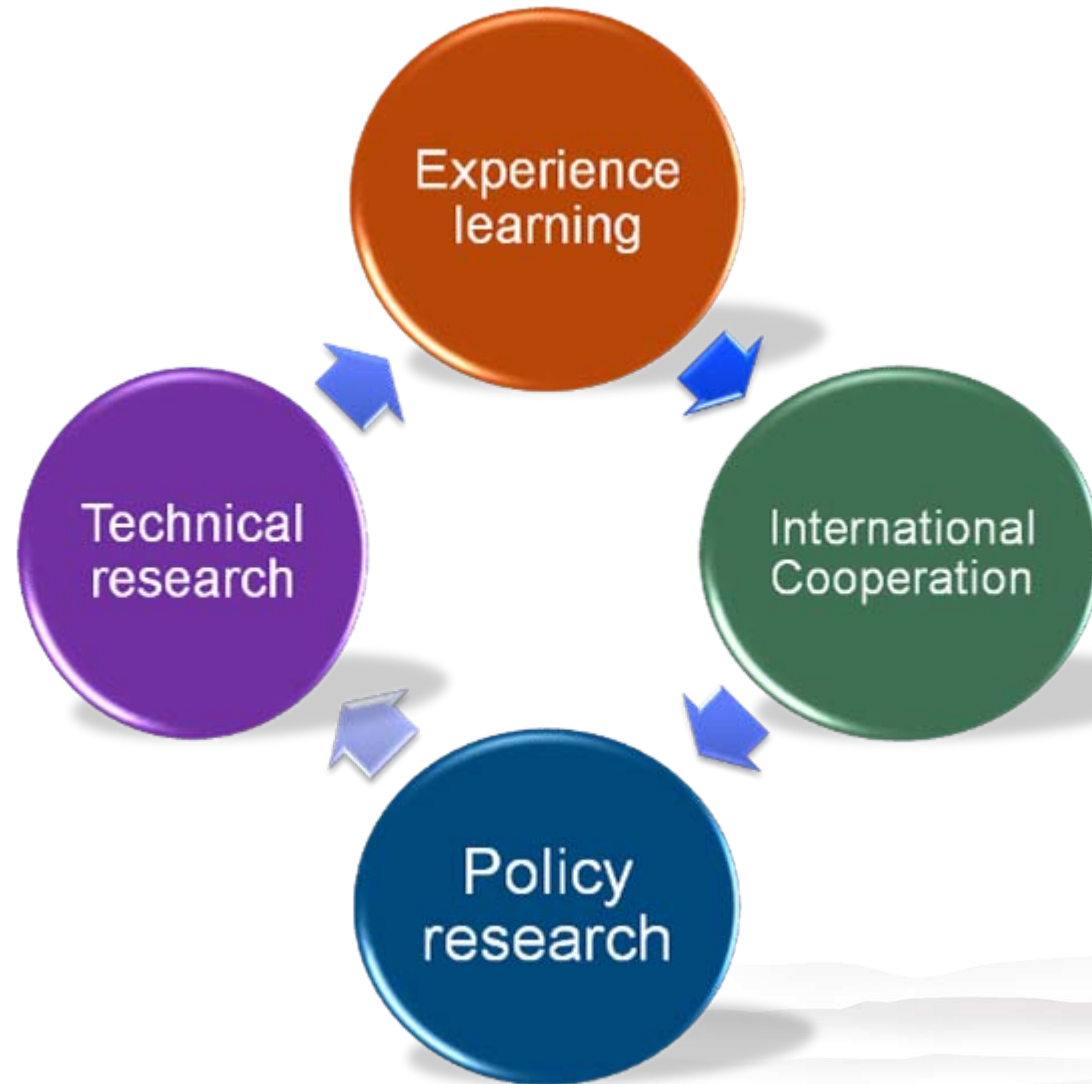
- ❑ China Quality Mark Certification Group Product Certification Co. Ltd (referred to as 'CQM-PCC') is a comprehensive technical services organization which includes certification, policy research, standards/specifications development, technical consulting, education/promotion and international cooperation.
- ❑ By integrating the resources of CQM and China Standard Certification Center (CSC), CQM-PCC formally established on 2009, it inherited the advantage of management, technology, network and market from CQM and CSC.



# CERTIFICATION FIELDS OF CQM

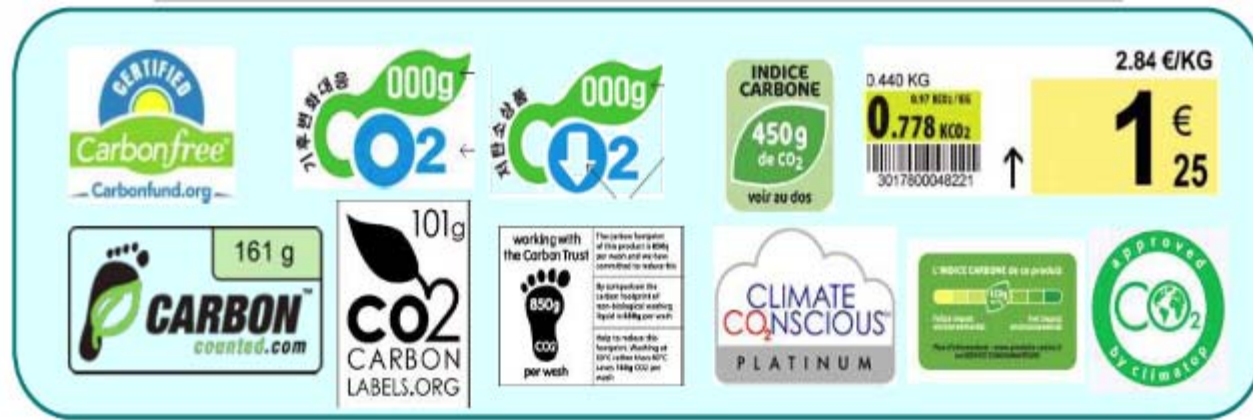
- ❑ Energy Efficiency and Energy Efficiency Grade 1;
- ❑ Water Conservation;
- ❑ Environmental Friendly Products;
- ❑ Product Quality and Performance;
- ❑ Safety;
- ❑ Ergonomics products;
- ❑ Solar Ultraviolet Radiation Protection;
- ❑ ROHS;
- ❑ Explosion-proof Electrical Equipment;
- ❑ Organic Product;
- ❑ GAP ;
- ❑ CCC , etc.

# Capacity Building on Carbon Footprint



# EXPERIENCE LEARNING: CARBON FOOT-PRINT AND GHG

- Carbon footprint labeling international;



- ISO standards on GHG:

ISO14064-1  
 ISO14064-2  
 ISO14064-3  
 ISO14065





# TECHNICAL RESEARCH :

## TECHNICAL DEVELOPMENT AND PROMOTION

- Technical documents:
  - General principles of calculation for carbon footprint of products
  - Implementation guide of carbon footprint certification of products
  
- Training towards enterprises
  - Standards verification of GHG assertions,
  - Procedure of verification





# TECHNICAL RESEARCH : ESTABLISHMENT OF PRODUCT DATABASE

- **Partnership with CNIS:** CQM has established a strategic long-term partnership with China National Institute of Standardization (CNIS), which will lead to a powerful combination for policy research, standards development, and certification/labeling promotion.

## □ Database(tentative):

- Product code database
- Environment factor database
- Regulations and standards





# POLICY RESEARCH: REGULATIONS AND STANDARDS ON EE

- ❑ Energy Management System
- ❑ Energy monitoring standards
- ❑ Energy consumption limit standard for unit product
- ❑ Energy efficiency standards for end-user products and equipments

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*--Development of standards over 100 items*

*--Training on standardization*





# POLICY RESEARCH: ECO-DESIGN PRODUCT EVALUATION

- CQM is in the process to support MIIT to develop eco-design product evaluation program, including
  - Guideline for Implementing Industrial Eco-design Products Evaluation;
  - Implementation Guide on Evaluation of Eco-design Products.
- Pilot product (tentative):
  - Printer ;
  - Computer.
  - Detergent



**China Eco-design label**



# POLICY RESEARCH: REMANUFACTURED PRODUCT ASSESSMENT

CQM is supporting MIIT to develop remanufactured product assessment program and CQM was designated by MIIT as the sole agency of the assessment for remanufactured products and related manufacturers. Further more, CQM will support MIIT and MOF to develop relevant tax subsidy policies.



China Remanufacture label



# INTERNATIONAL COOPERATION: CHINA LOW-CARBON CITY INITIATIVE

- ❑ Project sponsor: Switzerland government;
- ❑ Objective: Promoting low-carbon city concept in China;
- ❑ Key components which provide technical supports by CQM-PCC:
  - Develop low-carbon property management assessment program targeting commercial buildings;
  - Promote EnMS;
  - Develop and pilot green-lighting city initiative.
- ❑ Period: 2011~2012.





# INTERNATIONAL COOPERATION: UNESCAP: CHINA CARBON FOOT-PRINT LABELING PROGRAM

- ❑ **Objective:** Analysis on the barriers of development for carbon foot-print labeling program;
- ❑ **Contents:**
  - Comparison and analysis on international best practices on carbon foot-print labeling program;
  - Development of the organizational level carbon emission accounting methods;
  - Development of the product level carbon emission accounting methods.



UK



Japan



Korea



Thailand



# INTERNATIONAL COOPERATION: EFFICIENCY LIGHTING INITIATIVE (ELI)

- ❑ ELI was initiated by the International Finance Corporation (IFC) with funding from the Global Environment Facility (GEF);
- ❑ ELI provides a transparent, and simple mechanism for certifying the quality and efficiency of lighting products sold worldwide.
- ❑ In 2005, China Standards Certification Center (CSC) was chosen by IFC to administer ELI Quality Certification Institute.
- ❑ Bulk procurement buyers refer to ELI as a basis for their procurement which includes Nepalese, Australia, South Africa, Mauritius, Syria, Indonesia, Uruguay, Rwanda, Brazil, Uganda, India, Vietnam and etc.
- ❑ In May 2010, ELI certification program was transfer to CQM-PCC.







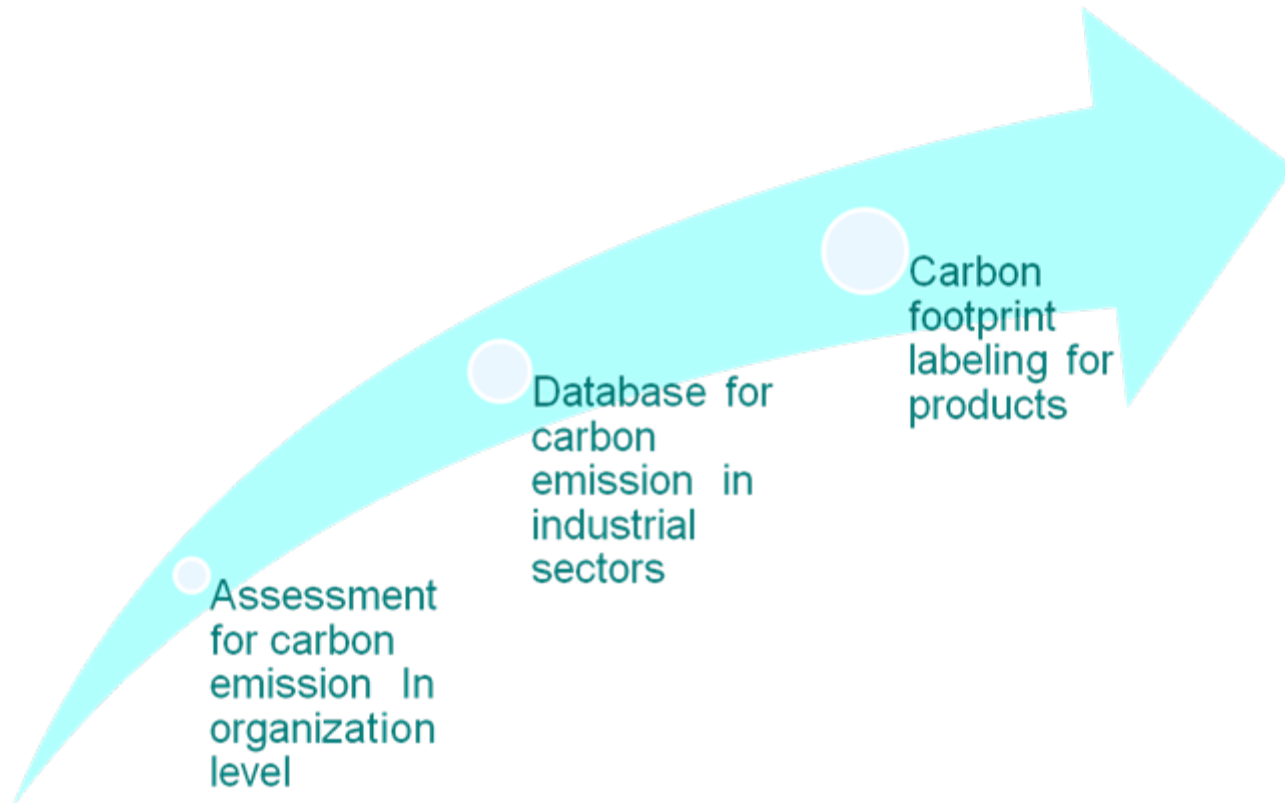
# INTERNATIONAL COOPERATION: UNDP/GEF:ENERGY EFFICIENCY STANDARD AND LABELING PROJECT (BRESL)

- ❑ **Objective:** BRESL is aimed at rapidly accelerating the adoption and implementation of energy efficiency standards and labels (EES&L) in Asia, and also facilitates harmonization of test procedures, standards and labels among developing countries in Asia, when appropriate;
- ❑ **Period and budget:** 2009~2013 with 7.8 million grant;
- ❑ **Countries:** Bangladesh, China, Indonesia, Thailand, Vietnam and Pakistan;
- ❑ **Products:** CFL, Ballasts for FLs, Refrigerators, Room Air Conditioners, Electric Motors, Electric Fans, and Rice Cookers.





# Suggestions on Carbon labeling



Assessment  
for carbon  
emission In  
organization  
level

Database for  
carbon  
emission in  
industrial  
sectors

Carbon  
footprint  
labeling for  
products

# PROGRESS ON CARBON LABELING



## System Research

- Research on certification and assessment system on carbon emission reduction

## Low-carbon Program

- Low carbon city in China
- Demonstration on low carbon technique in industrial sectors

## Pilot

- Low-carbon industrial park
- Low-carbon provinces and cities



# CARBON LABELING IN CHINA

- International research;
- Assessment system of carbon emission in organization level
- Pilot in industrial sectors
- Data collection for carbon emission of products
- Policy support
- Certification system of carbon footprint labeling for products



***National brand***  
***International CQM***

***Thanks !!!***