

Green Certification and Accreditation in 12th Five-Year Plan of China

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**The Twelfth Five-Year Plan for
National Economic and Social
Development of the People's
Republic of China
(2011-2015)**

**Part VI Pursue Green Development:
Develop a Resource-Conserving and
Environmental Friendly Society**



12th Five-Year Plan of China (2011-2015)

Main Goals

- Energy consumption per unit of GDP down 16%
- Carbon dioxide emissions per unit of GDP down 17%
- Water consumption per unit of IVA down 30%
- Forest coverage rise to 21.66%
- Discharge of major pollutants down significantly

12th Five-Year Plan of China (2011-2015)

Actions

- Actively Respond to Global Climate Change
- Strengthen Resource Conservation and Management
- Vigorously Develop a Circular Economy
- Intensify Environmental Protection
- Promote Ecological Protection and Remediation
- Intensify the Development of Systems for Water Conservancy and Disaster Prevention and Mitigation

12th Five-Year Plan of China (2011-2015)

Actions

- To establish a system of standards, labeling and certification for low-carbon products
- To establish a sound system of statistical accounting for GHG emissions
- To create market for trading carbon emission credits
- To improve energy conservation laws, regulations and standards
- To get 10,000 enterprises to save energy and lower their carbon emissions

Supportive Plans in Relevant Sectors (2011-2015)

- The Twelfth Five-Year Plan for Energy-Conserving and Emission-Reducing
- The Twelfth Five-Year Plan for the Control of GHG Emissions
- The Twelfth Five-Year Plan for Modern Agriculture Development
 - To accelerate certification of non-pollution products, green food and organic product
 - To promote the energy-conserving and emission-reducing in agriculture production

Quality Development Program of China (2011-2020)

- Issued by the State Council of PRC
- One section for certification and accreditation
- Emphasis to strengthen certification and accreditation in relation to energy-conserving, emission-reducing and green agriculture production

12th Five-Year Plan for Certification and Accreditation (2011-2015)

- Issued by Certification and Accreditation Administration of PRC (CNCA)

12th Five-Year Plan for Accreditation (2011-2015)

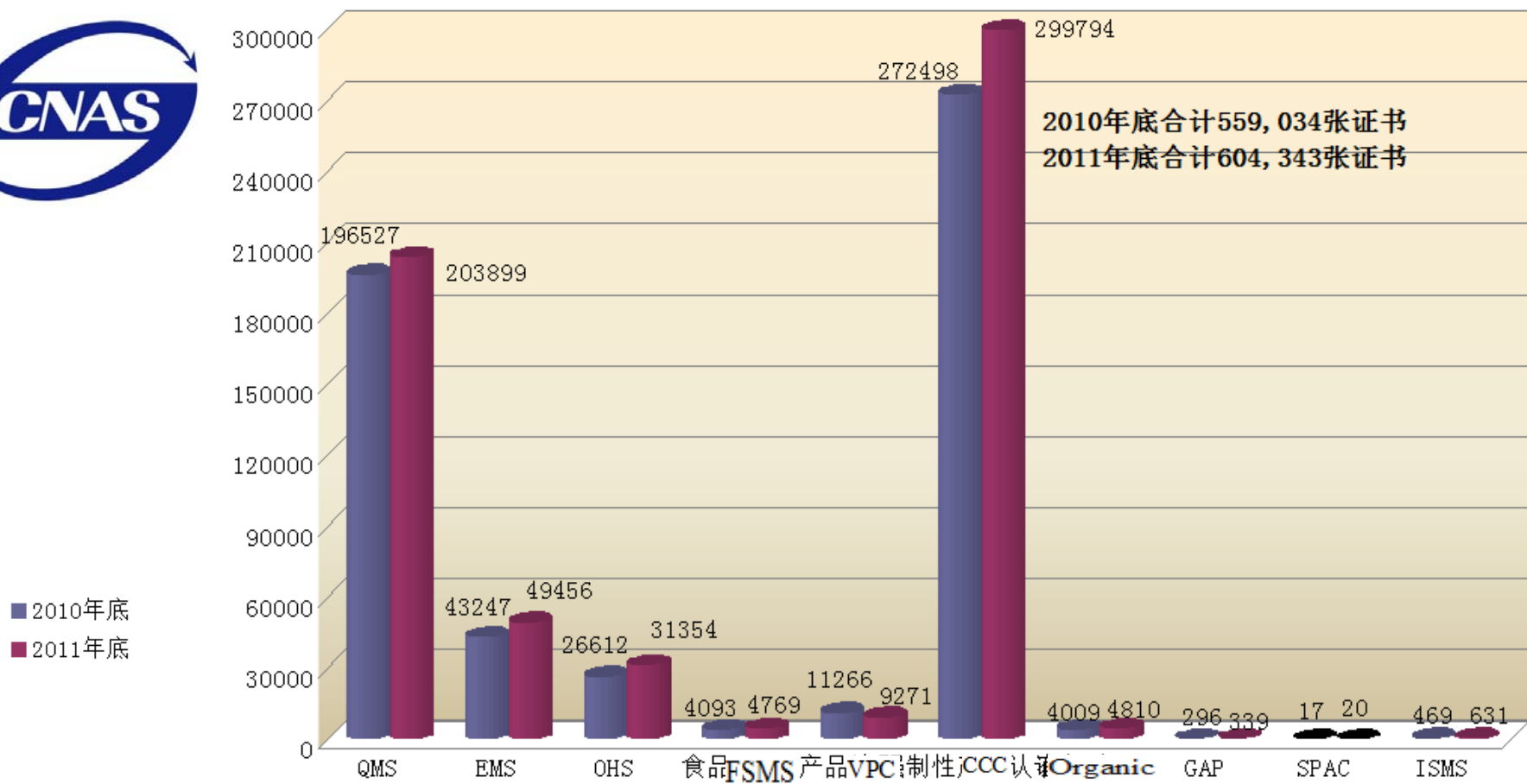
- Issued by China National Accreditation Service for Conformity Assessment (CNAS)

Green Certification and Accreditation

Schemes		CBs	Certificates
1	EMS	79	69784
2	Organic Product	21	8975
3	China GAP	14	572
4	Environmental Labeling	1	35000 (1600)
5	Energy-saving Product & Water-saving Product	5	13000 (2700) 2500 (500)
6	EnMS	31	51
7	Forest	1	17
8	Low-Carbon Product	Under development	
9	GHG	Under development	

Green Certification and Accreditation

Total Certificates issued by CBs accredited by CNAS



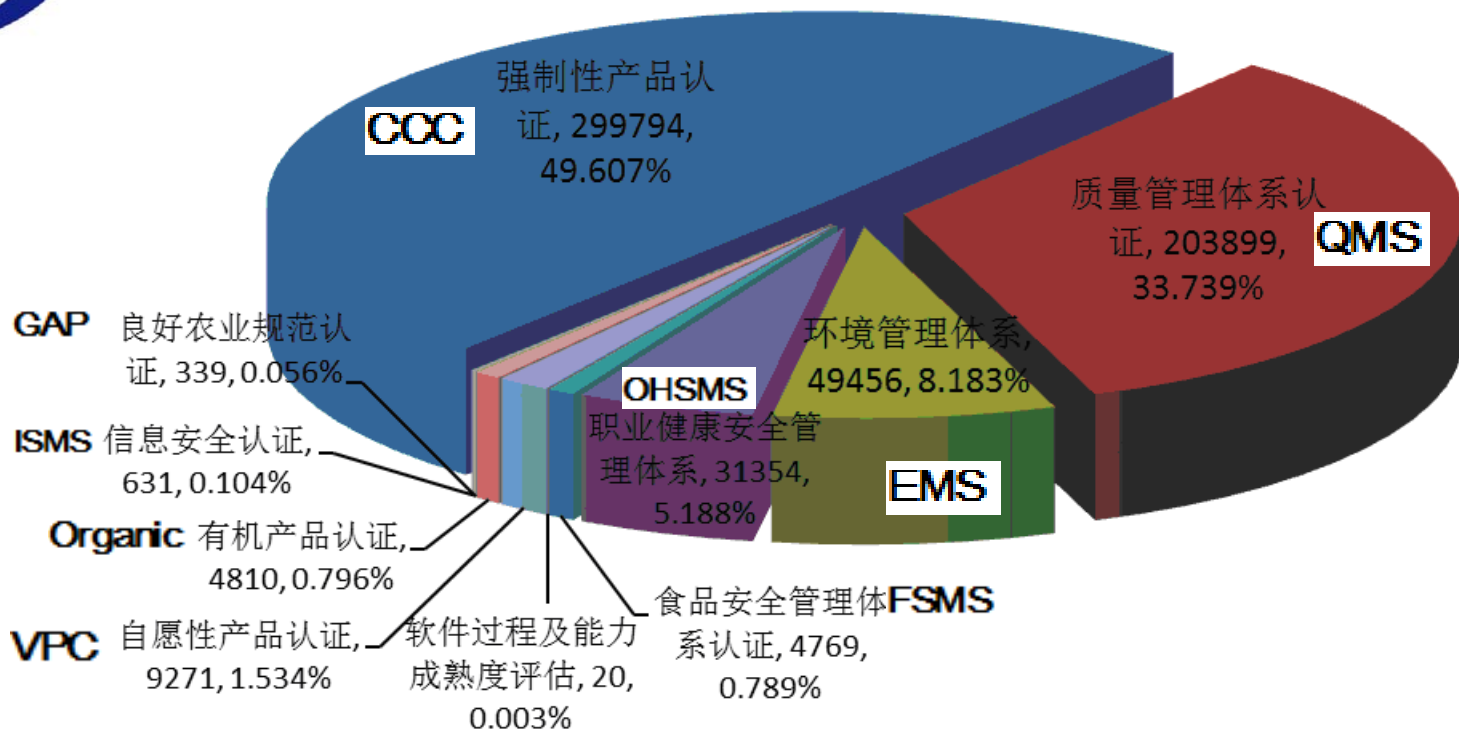
Green Certification and Accreditation

Total Certificates issued by CBs accredited by CNAS



认证证书按领域分布图
(截止2011年12月31日)

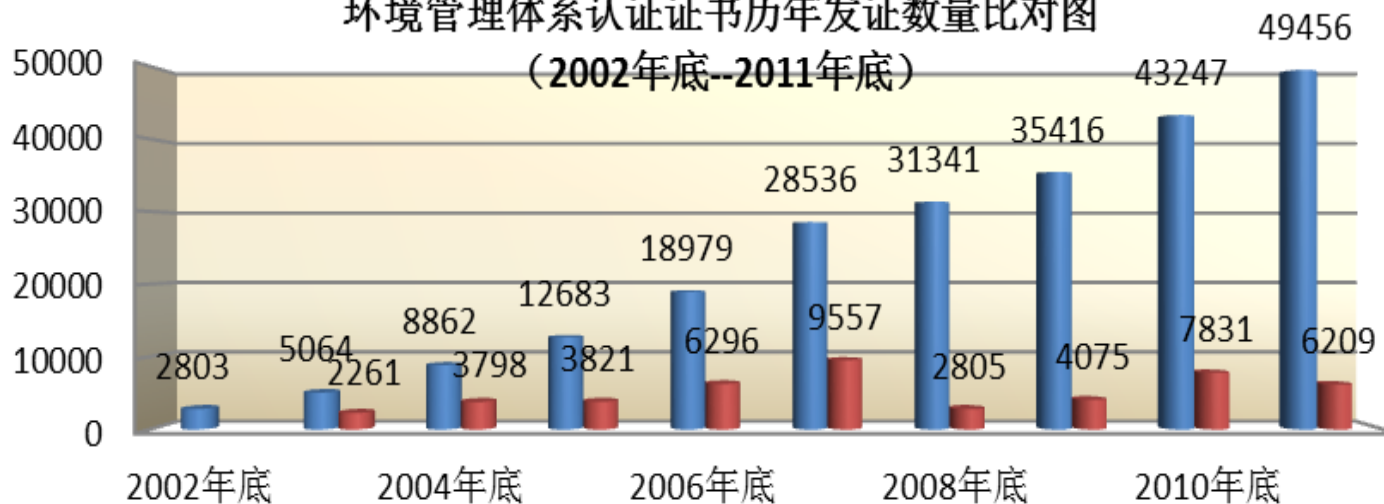
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Green Certification and Accreditation

Environment Management System

环境管理体系认证证书历年发证数量比对图
(2002年底--2011年底)



	2002年底	2003年底	2004年底	2005年底	2006年底	2007年底	2008年底	2009年底	2010年底	2011年底
■ 发证量	2803	5064	8862	12683	18979	28536	31341	35416	43247	49456
■ 同期增长量		2261	3798	3821	6296	9557	2805	4075	7831	6209

Green Certification and Accreditation

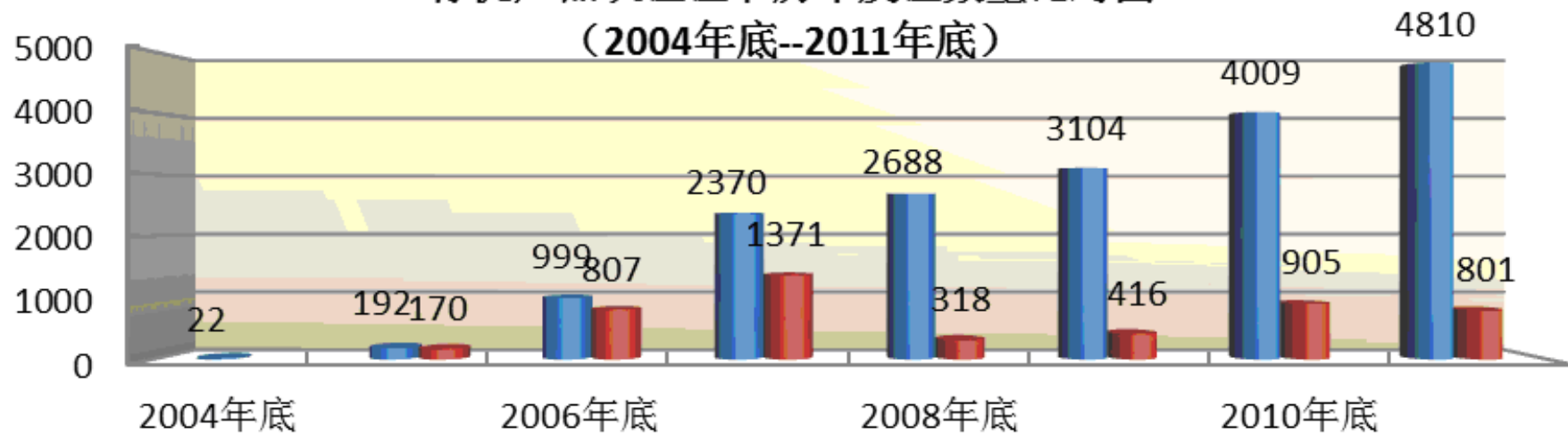
Organic Product Certification

- Started from 1994
- 8975 certificates issued by 21 CBs
- 1,153 organic products concerning 1,126 companies were sampled by regulators from 2008 to 2011
- Uniform traceability system by CNCA for organic product and organic marks

Green Certification and Accreditation

Organic Product Certification

有机产品认证证书历年发证数量比对图
(2004年底--2011年底)

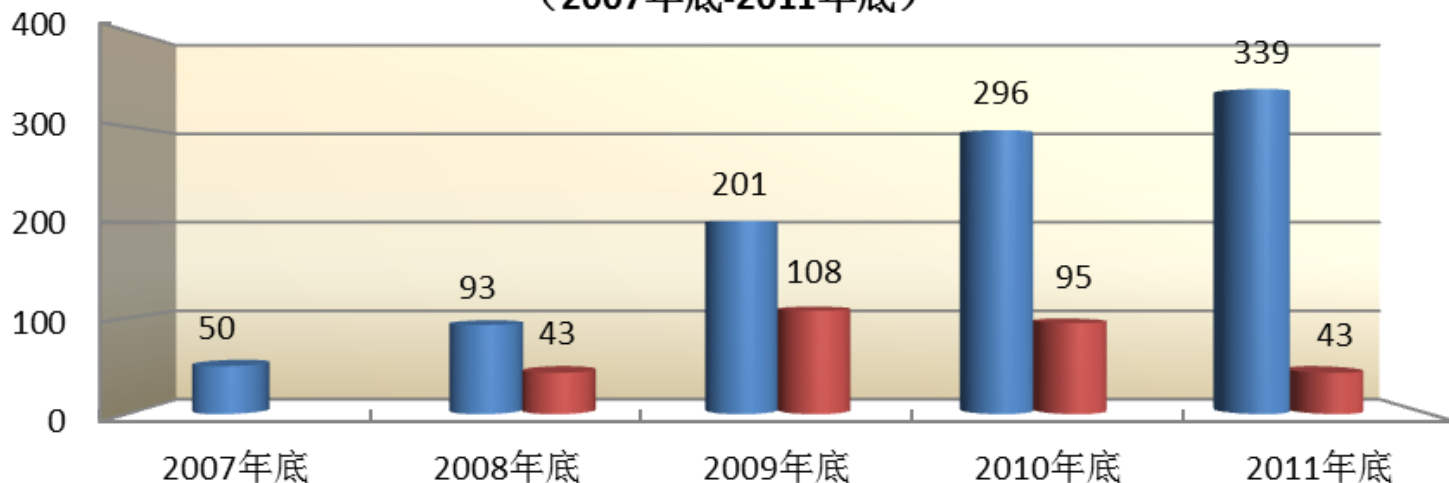


	2004年底	2005年底	2006年底	2007年底	2008年底	2009年底	2010年底	2011年底
■ 发证量	22	192	999	2370	2688	3104	4009	4810
■ 同期增长量		170	807	1371	318	416	905	801

Green Certification and Accreditation

China Good Agriculture Practice

良好农业规范认证证书历年发证数量比对图
(2007年底-2011年底)



	2007年底	2008年底	2009年底	2010年底	2011年底
■ 发证量	50	93	201	296	339
■ 同期增长量		43	108	95	43

Green Certification and Accreditation

China Environmental Labeling

- Started from 1994
- 35000 certified products
- 1600 companies
- 100 billion CNY of production value per year



Green Certification and Accreditation

Energy Conservation Certification

- Started from 1998, following publication of Law on Energy Conservation of PRC
- 13000 certified products
- 2700 companies



Green Certification and Accreditation

Energy Management System

- National Standard GB/T 23331-2009 issued in March 2009 (New version based on ISO 50001 to be issued soon)
- CNCA pilot project for EnMS certification started from November 2009
- CNAS Accreditation program for EnMS to be launched soon

Green Certification and Accreditation

Energy Management System

- ISO/IEC 17021 and specific application requirements
- Technical background and competence for energy management in relevant industries for CBs and auditors
- A combination of generic national standard for EnMS (GB/T23331) and application requirements for relevant industries as EnMS certification criteria
- Performance of energy-saving (outcome) to be examined and recorded in audit reports and certificates of EnMS

Green Certification and Accreditation

Energy Management System

- 51 organizations certified for EnMS by April 2012
- Energy-saving by the organizations per year:
 - 1.15 million tons standard coal
 - equivalent to 3.05 million tons CO₂ emission
 - energy cost of 573 million CNY

Green Certification and Accreditation

Energy Management System

- Bao Steel Company: largest iron-steel company in China
- Revenue in 2009: 19.53 billion CNY
- Steel in 2009 : 38.87 million tons
3rd largest in the world
- Implementation of EnMS from 2008:
 - saved energy cost, 58.2 million CNY in 2010

Green Certification and Accreditation

Energy Management System

- “Energy-saving and Low-carbon Program for 10,000 enterprises” jointly formulated by 12 government departments in 2011, in supporting the implementation of national 12th five-year plan and relevant policies issued by the State Council
- “10,000 enterprises”: more than 60% of total energy consumption in China (major energy-consuming units)
- EnMS is part of the program for 10,000 enterprises

Green Certification and Accreditation

Green House Gas Verification & Validation

- CNAS is developing accreditation program for GHG V/V bodies based on ISO 14065 and ISO 14064
- The State Development and Reform Commission (SDRC) will publish administrative rules for voluntary GHG emission reduction projects in China in 2012
- SDRC has also started to develop a pilot emission trading scheme which will need corresponding GHG verification activities

Green Certification and Accreditation

Low-Carbon Product Certification

- A voluntary scheme
- Jointly developed by SDRC and CNCA
- To be launched in 2012
- Calculation of CO₂ emission at stage of production and/or use

Green Certification and Accreditation

We need to work very hard to meet the needs of green development for economy and society of China during the 12th Five-Year Plan of China and in the future!





Thank You!

