

**Materials for FAO/DOF Thailand/
NACA Expert Workshop on
Guidelines for Aquaculture Certification**



Aquaculture Certification System in China

**Chinese Academy of Fishery Science, Department for Registration of
Certification and Accreditation Administration of the People's
Republic of China (CNCA)**



March 27th, 2007





Outline



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A. Aquaculture development status in China

B. Aquaculture Certification status in China

C. Safety agri-food certification

D. Good Agriculture Practice Certification

An aerial photograph of an aquaculture farm in China. The image shows several large, rectangular ponds filled with water, separated by concrete channels and earthen embankments. Some ponds are enclosed with green mesh fencing. In the foreground, a wide concrete channel runs diagonally across the frame. The background features a flat landscape with scattered buildings and utility poles under a clear blue sky. The text "A. Aquaculture development status in China" is overlaid in the center in a bold, blue, sans-serif font.

A. Aquaculture development status in China



1. aquaculture industry development

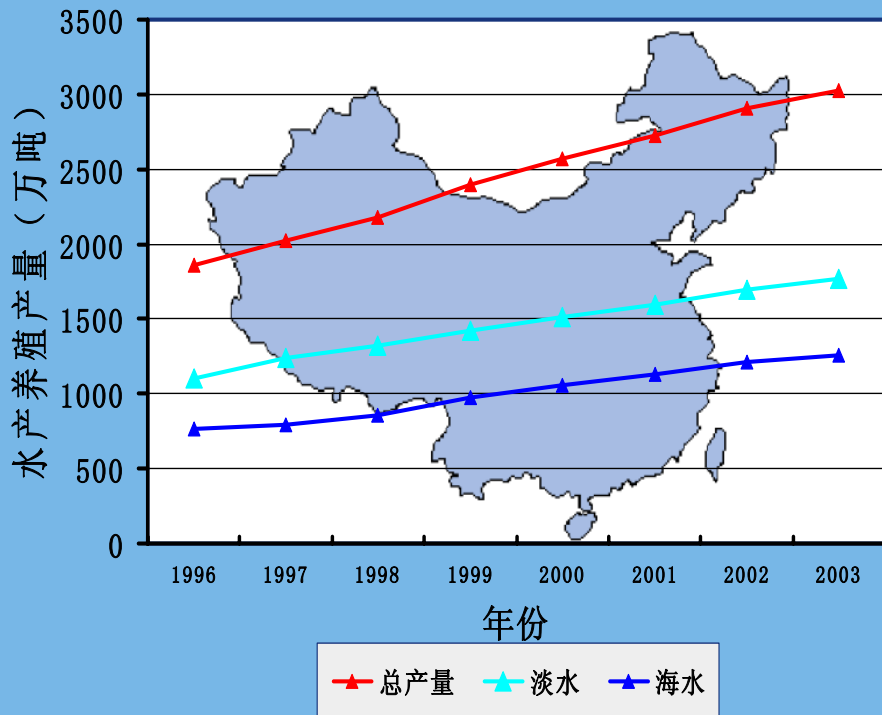
- ❖ Chinese fishery in the total value of output of agriculture in the last several decades: from 1.3% in 1952 to 3.5% in 1990, and **11.19% in 2003**
- ❖ Fishery product held global **first place for 16 years** from 1989 to now. In 2005, **51.017 million tons**, which covered about one third of the global total yield



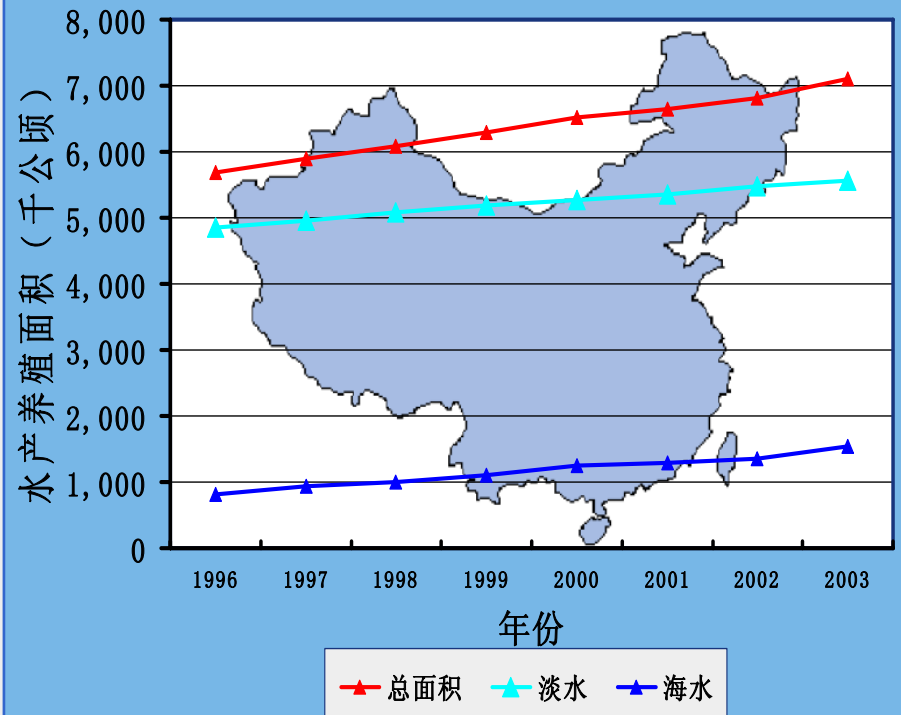
1. aquaculture industry development

- ❖ The proportion of Aquaculture product yield from the total yield rose from **56%** in 1997 to **67%** in 2005.
- ❖ Covered **70%** of the global Aquaculture product yield.

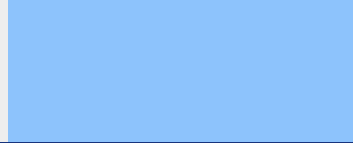
1. aquaculture industry development



中国水产养殖产量发展示意图(1996-2003)



中国水产养殖规模发展示意图(1996-2003)



1. aquaculture industry development

- ❖ China's export scale of fishery product has occupied the first place of the global fishery product export trade for contiguous four year since 2002.
- ❖ Its proportion from global fishery product export trade rose from **6.17% to 10%**.
- ❖ The export scale reached **7.89 billion** US dollars in 2005, which covered **28.6%** of China's total agricultural product export scale.



2. Status of quality & safety control

- ❖ in 2003, MOA published “Regulations for administration of aquaculture quality safety” :
 - complete producing diary recording
 - scientific medicating
 - water environmental monitoring
 - product labeling
 - and raw material monitoring.
- ❖ Near 2000 nurseries and bases in China completed this “Five rules”



2. Status of quality & safety control

- ❖ CNCA: The sanitation registration system of export food processing enterprise.
- ❖ AQSIQ: The recording system of export fishery nurseries.
- ❖ CIQ: strict full range control to the export fishery product processing enterprise and their nurseries.



2. Status of quality & safety control

- ❖ As requested by CNCA and AQSIQ, these producers positively improved the quality and safety of their products.
- ❖ They also established the “own-check system” according to the HACCP principles.



绿色食品
Greenfood

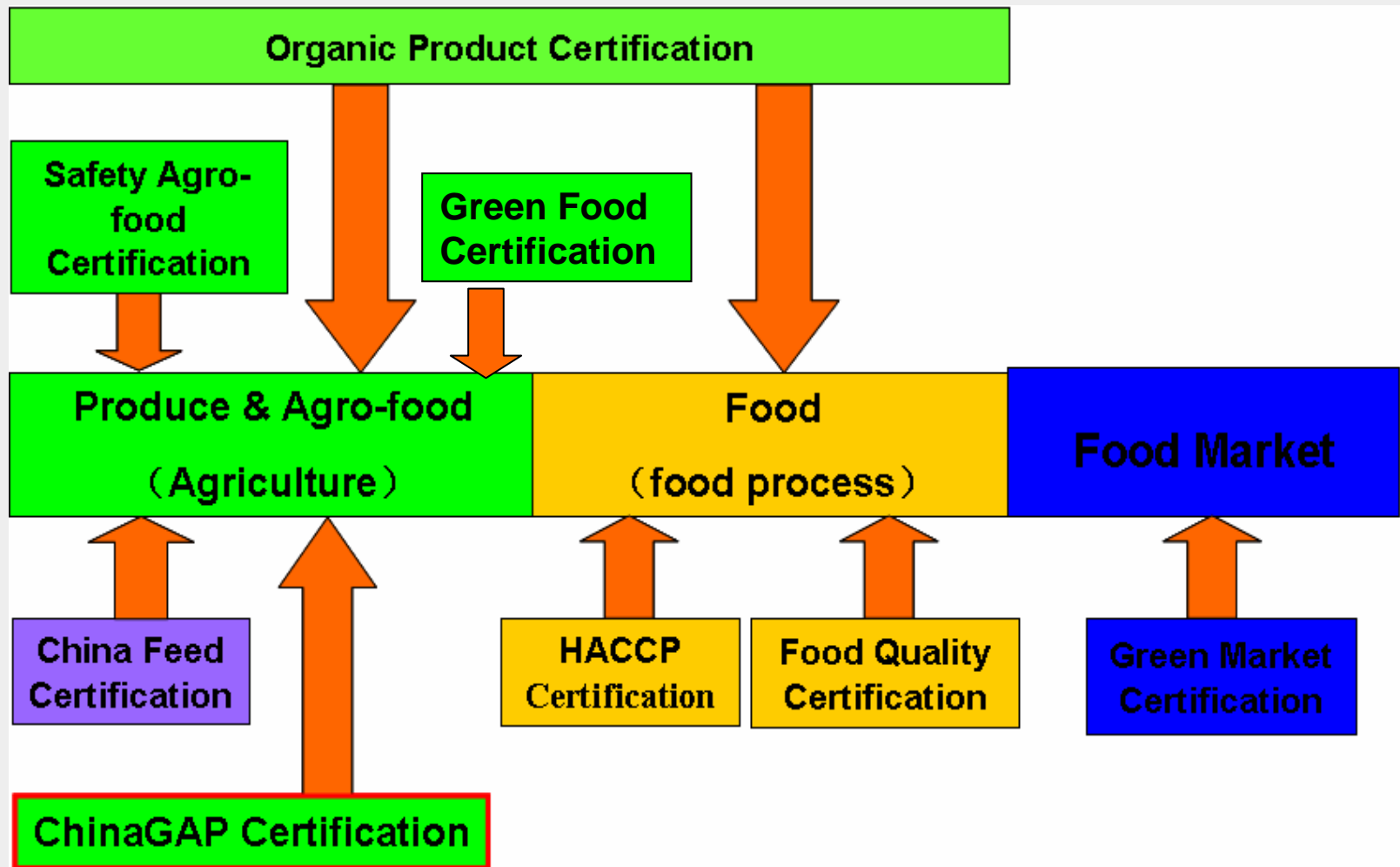
B. Aquaculture Certification status in China



1. Agri-food certification

- ❖ The relevant authority of China's agriculture is Ministry of Agriculture of the People's Republic of China (MOA).
- ❖ The relevant authority of Certification and Accreditation activities in China is Certification and Accreditation Administration of the People's Republic of China (CNCA).
- ❖ Divided into two forms of government pushing and market operating.
- ❖ The specific enforcing agencies of China's agricultural product certification are certification bodies (CBs) approved by CNCA.

1. Agri-food certification in China



1. Agri-food certification in China

- ❖ The safety agri-food and green food are created according to China's own economic development level and market demand.
- ❖ China GAP is based on Eurep GAP according to the reality of China's agriculture.



1. Agri-food certification in China

- ❖ The safety agri-food certification is authorized by the Center For Agri-food Quality & Safety of Ministry of Agriculture (CAQS),
- ❖ The total certification amount reached 23,636 from 2003 to late 2006.



1. Agri-food certification in China



- ❖ The green food certification is carried out by China Green Food Certification Center and every provincial level green food offices.
- ❖ 12,868 kinds of product of 4,615 producers, among which 797 kinds of fishery product (include processed product) of 230 producers have been certificated.





2. Aquaculture Certification

❖ Product certification

- Organic product - 29 CBs, 61 kinds of fishery products
- ChinaGAP - pilot project
- ACC - still in start stage, 1 producer has got the ACC certification, other 2 producers are in proposing.



2. Aquaculture Certification

❖ System certification

- ISO9000 - 80 CBs, 64 certificates,
- ISO14000 - 66 CBs, 6 certificates,
- HACCP - 31 CBs, 2 certificates.



C. Safety agri-food certification



C. Safety agri-food Certification

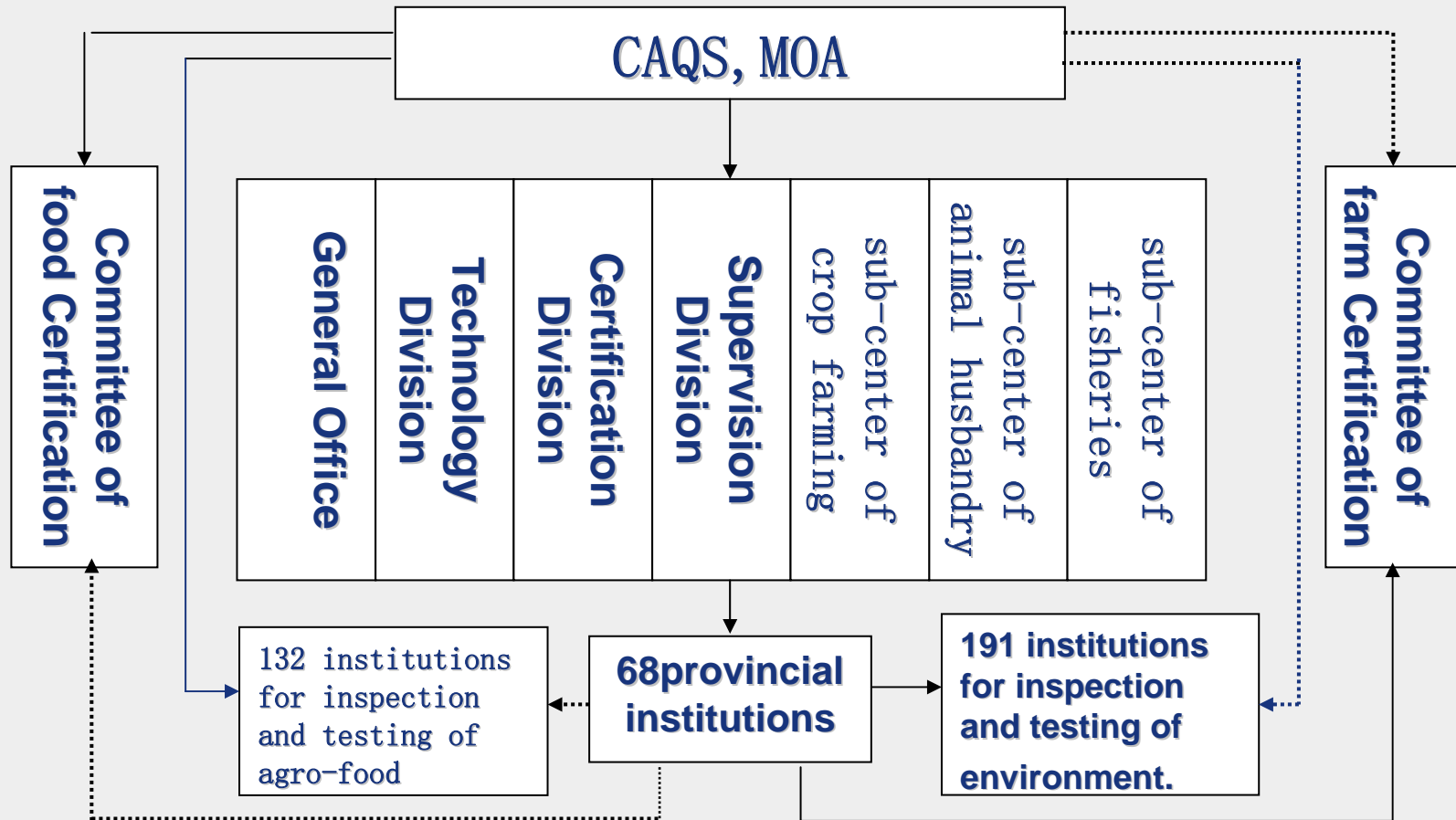
- ❖ The certification of safety agri-food is one measure of the “safety agri-food” , July, 2002, initiated by the MOA.
- ❖ Safety agri-food certification:
 - formally established in 2003,
 - Authorized by CAQS,
 - official evaluation measure, public welfare certification item does not charge
 - **Aim** - ensure the production safety, market accessing and consumption safety of the agricultural product.
 - production area determination and product certification



C. Safety agri-food Certification

- ❖ CAQS has three subcenters including crop farming, graziery and fishery product.
- ❖ Provincial level agencies - 68 (29)
- ❖ Certification judgment committee experts - 282.
- ❖ Detection agencies of production area environment - 191.
- ❖ Fixed-point detection agencies of safety agri-food - 144 (72)
- ❖ Registered inspectors - 3324 (503)

C. Safety agri-food Certification



The organization chart of the CAQS of MOA

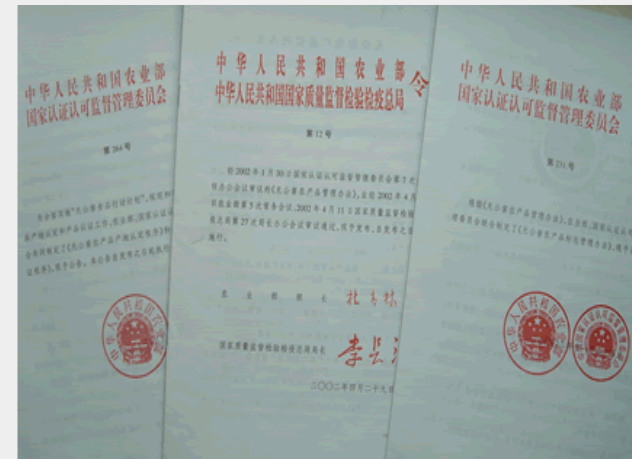


Rules and regulations

- ❖ On April 29th, 2002, MOA and AQSIQ together published “*Measures for administration of safety agricultural product*”.
- ❖ In 2003, MOA and CNCA published
 - “**Measures for administration of the label** of safety agri-food” (No.231 proclamation)
 - “**Procedures on certification** of safety agri-food”
 - “**Procedures on determination of the production area** of safety agri-food” (No.264 proclamation).

Rules and regulations

- ❖ *Rules for administration of veterinary drugs and their practice by rules*
- ❖ *Rules for administration of additives of feeds and drugs*
- ❖ *Regulations for administration of aquaculture quality safety*





Standards

- ❖ **Standard for production area environmental assessment**
 - *“Safe quality of agricultural product - The environmental requirement of the production area of safety fishery product” (GB/T18407.4-2001)*
 - *“Safety food – water quality of fresh water aquaculture” (NY5051-2002)*
 - *“Safety food – water quality of mariculture” (NY5052-2002)*



Standards

❖ Administration standard for production process

- *“Quality safety administration specification of aquaculture” (SC/T 0004-2006)*
- *“Safety food – criterion for usage of fishery drugs” (NY 5071-2002)*
- *“Safety food –dose limit of fishery compound feeds” (NY 5072-2002)*
- *Technological specifications for production administration of 29 kinds of fishery product, such as “Safety food – technological specification for prawn cultivation” (NY 5059-2001)*



Standards

❖ Quality standards for final product

- *“Safe quality of agricultural product – safety requirement of safety fishery product” (GB18406.4-2001)*
- *“Safety food – dose limit of harmful and toxic substance in fishery product” (NY 5073-2001)*
- *“Safety food – dose limit of fishery drugs residue in fishery product” (NY 5070-2002)*
- *The quality safety standards of varietal fishery product, such as “Safety food –Cheilotrema” (NY 5060-2005),*



D. Good Agriculture Practice Certification in China

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D. Good Agriculture Practice Certification in China

Since 2003, CNCA organized experts from relevant areas to compile ChinaGAP standards. Standardization Administration of China (SAC) issued the National Standards on GAP on Dec 31st, 2005, which covers combinable crops, vegetable, fruit, cattle, sheep, dairy, pig and poultry. 11 standards have been being implemented since May 1st, 2006.



D. Good Agriculture Practice Certification in China

- ❖ In order to perfect the GAP Standards system, CNCA has organized experts from relevant area to compile the GAP standards on tea and aquaculture since 2005. Now the final draft edition of the GAP standards on tea and aquacultures has been completed, and will soon be issued. Then there will be 28 standards on GAP in China.



D. Good Agriculture Practice Certification in China

| | | | | | |
|----------------------------|----------------------|-----------------------|-------------------------|--|-----------------------------|
| CHINA GAP STANDARDS | TERMINOLOGY | ALL FARMS BASE | CROPS BASE | COMBINABLE CROPS | |
| | | | | FRUIT AND VEGETABLE | |
| | | | | TEA | |
| | | | LIVESTOCK BASE | PIG | |
| | | | | POULTRY | |
| | | | | CATTLE AND SHEEP | DAIRY |
| | | | | INDUSTRIAL CULTURE BASE | FLOUNDER |
| | | | AQUACULTURE BASE | CAGE CULTURE BASE | LARGE YELLOW CROAKER |
| | | | | NET ENCLOSURE CULTURE BASE | CHINESE MITTEN CRAB |
| | | | | INTERTIDAL MUDFLAT/ HANGING/ BOTTOM-SOWING CULTURE BASE | |
| | | | | POND CULTURE BASE | TILAPIA |
| | | | | | EEL |
| | | | | | PENAEID SHRIMP |
| | | | | | WEEVER |
| | | | | | CHINESE TURTLE |
| | | | CARPS | | |
| | MANGROVE CRAB | | | | |



D. Good Agriculture Practice Certification in China

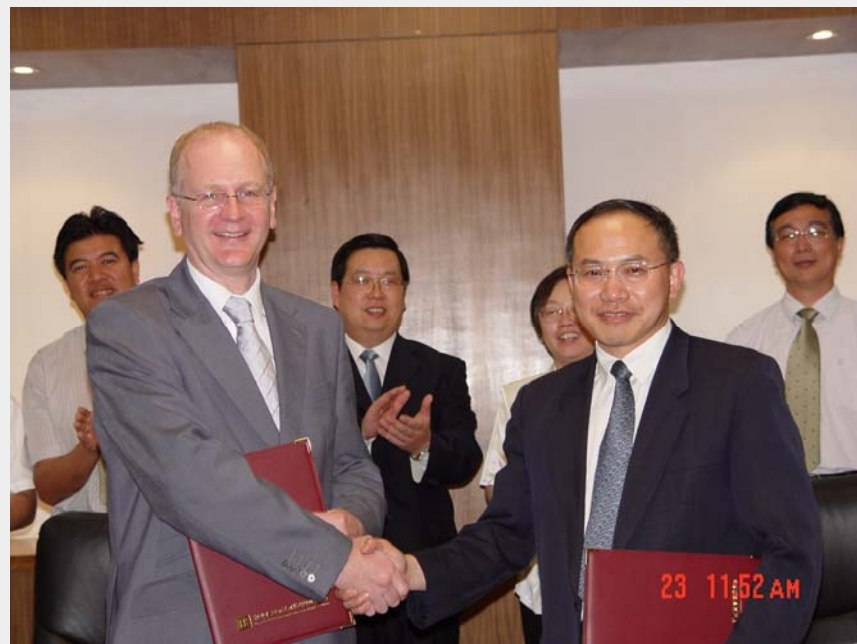
- ❖ Now CNCA, with other government agencies in China, is conducting pilot project of ChinaGAP certification in 18 provinces and cities such as Shandong, Henan, Fujian, Heilongjiang, Jilin, Shanxi, and Beijing. CNCA will extend ChinaGAP to a larger scope in China in the future.

D. Good Agriculture Practice Certification in China



D. Good Agriculture Practice Certification in China

CNCA has a close cooperation relations with EUREPGAP, and signed the 'MOU on technical cooperation between CNCA and EUREPGAP /FoodPLUS'.





D. Good Agriculture Practice Certification in China

‘MOU on Benchmark for Good Agricultural Practice Certification System between CNCA and EUREPGAP/FoodPLUS’.





THANK YOU!



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