E-cert Experiences

China's Journey

2014.4

• Outline

1. Background

2. Features

3. Current situation & achievement

4. Future work

• Outline

1. Background

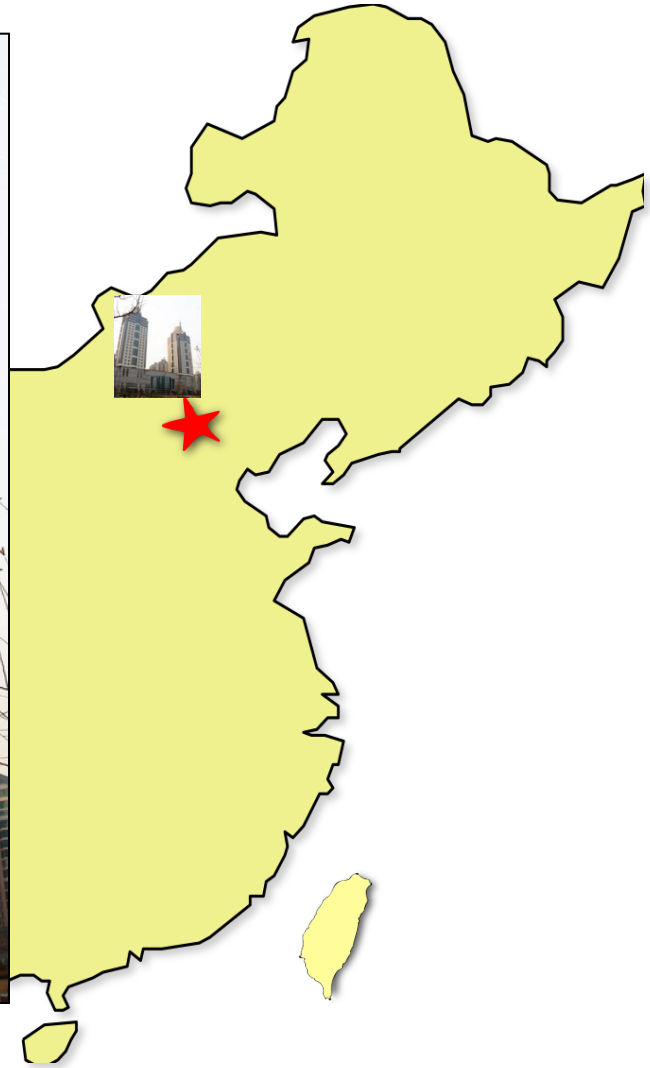
2. Features

3. Current situation & achievement

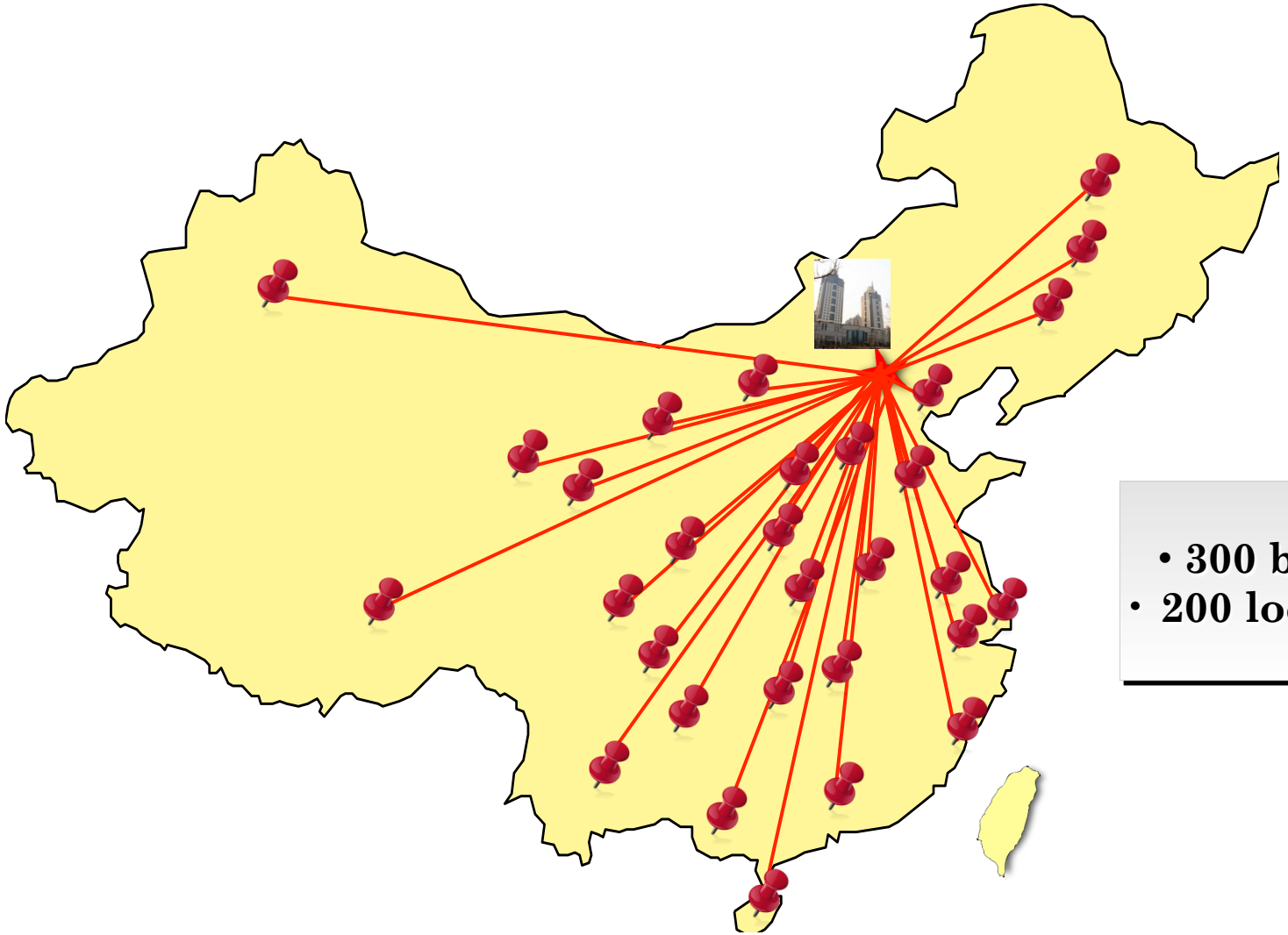
4. Future work

1. Background of China's E-cert system

- AQSIQ



- AQSIQ



- 300 branches
- 200 local offices

- AQSIQ

330,000 certificates verified

2,250,000 certificates issued

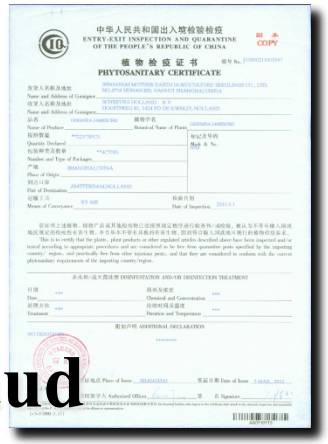
- A huge amount of certificates

Improving Efficiency Needed

Ensure the authenticity and accuracy to accelerate consignment clearance

Fraudulent certificates increased

Severely impact seriousness and authority, bring great harm to the healthy development of international trade



- **Facilitate trade**
- **Prevent trade fraud**
- **Crack down upon counterfeit certificates**
- **Ensure quality and safety of import commodities**

Country / Area A

Country / Area B

E-Cert system

- Countermeasures

- In order to safeguard the international image of “Made in China” and maintain order for international trade, AQSIQ has always been committed to take effective measure to improve quality and efficiency of certificate issuance and to crack down upon fraudulent certificates.

- Crack down on counterfeiting certificates

- More counterfeit proof

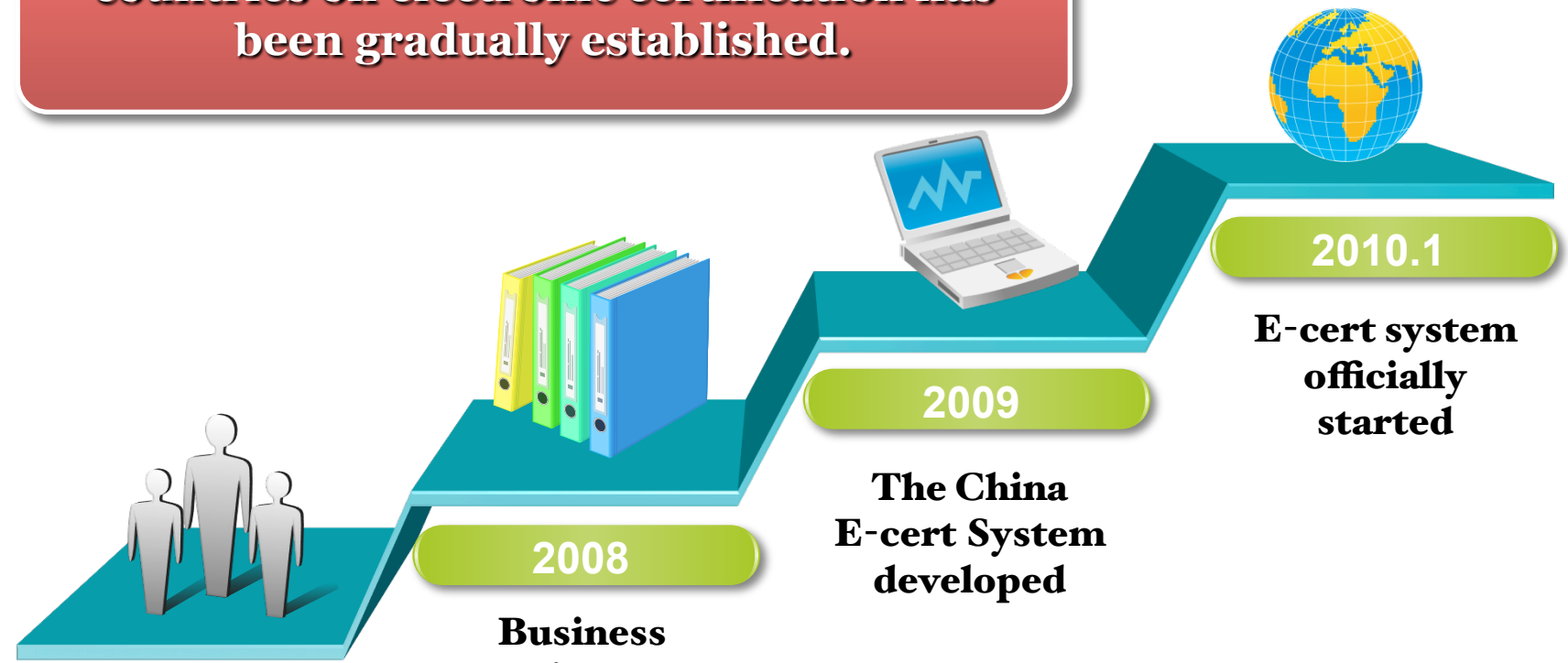
The fundamental solution ???
PHYTOSANITARY
ENTRY-EXIT INSPECTION AND QUARANTINE
OF THE PEOPLE'S REPUBLIC OF CHINA
正 本
ORIGINAL
QUARANTINE
BLIC OF CHINA
证 书
编号 No.:

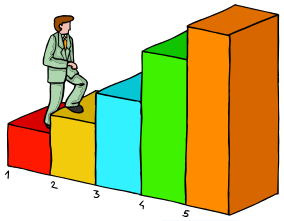
The fundamental solution

Set up an international online electronic certificate verification mechanism

- China's International E-Cert Cooperation

The cooperation mechanism with other countries on electronic certification has been gradually established.





2. Features of China's E-cert system

- Features of the China's E-cert system

China Inspection & Quarantine
E-Cert System

- The Main Features

Standardization

- Designed in accordance with international standards.
- Conforming to the UN/CEFACT E-cert Data Standard model
- Data transmitted in the extensible Markup Language (XML)

```
<certificates>
  <certificate no="NZL2009/AER1/36" status="Approved">
    <issue_date year="2009" month="3" day="26" hour="19" m
    <exporting_country country_code="NZ">
      <country_name>New Zealand</country_name>
      <competent_authority>New Zealand Food Safety Authorit
    </exporting_country>
    <importing_country country_code="NZ">
      <country_name>New Zealand</country_name>
    </importing_country>
    <title>
      <text language="en"><![CDATA[ Certificate for Animal Products for Human Consumption Exported from New Zealand
]]></text>
    </title>
```

```
<xs:element name="exporting_country">
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="country_name"/>
      <xs:element ref="competent_authority"/>
    </xs:sequence>
    <xs:attribute name="country_code" type="string_2" use="required"/>
  </xs:complexType>
</xs:element>
<xs:element name="country_name" type="string_254"/>
```

- The Main Features

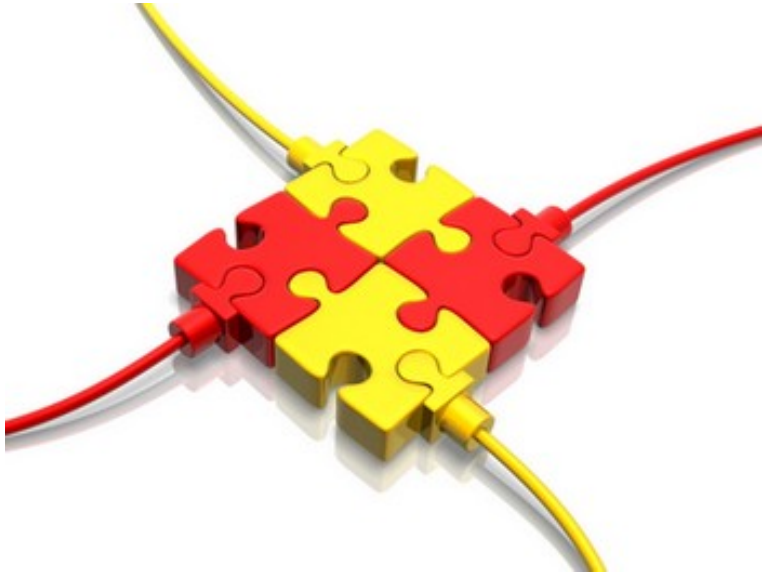
Flexibility

- **3 flexible accesses:**
  - On-line view and verification (http://ecert.eciq.cn)
  - Pull data (SOAP interface)
  - Push data (SMTP interface)

- The Main Features

Openness

- No limit at number of users
- Apply for the approval from the competent department in AQSIQ through your embassy in China



- The Main Features

Timeliness

- Check e-cert information in real time
- Submit online inquiry
- Adopt measures according to verification results and reply immediately

Interactive Informations

Type	Operator	Date	Content
Request	fda	2009-04-10	Please provide a certificate explanation.
Response	110000200707300006	2009-04-17	Please check mail.

Verification Information

Verification Result ◉ Pass ○ Refuse ○ Request

Remark

Submit Back

- The Main Features

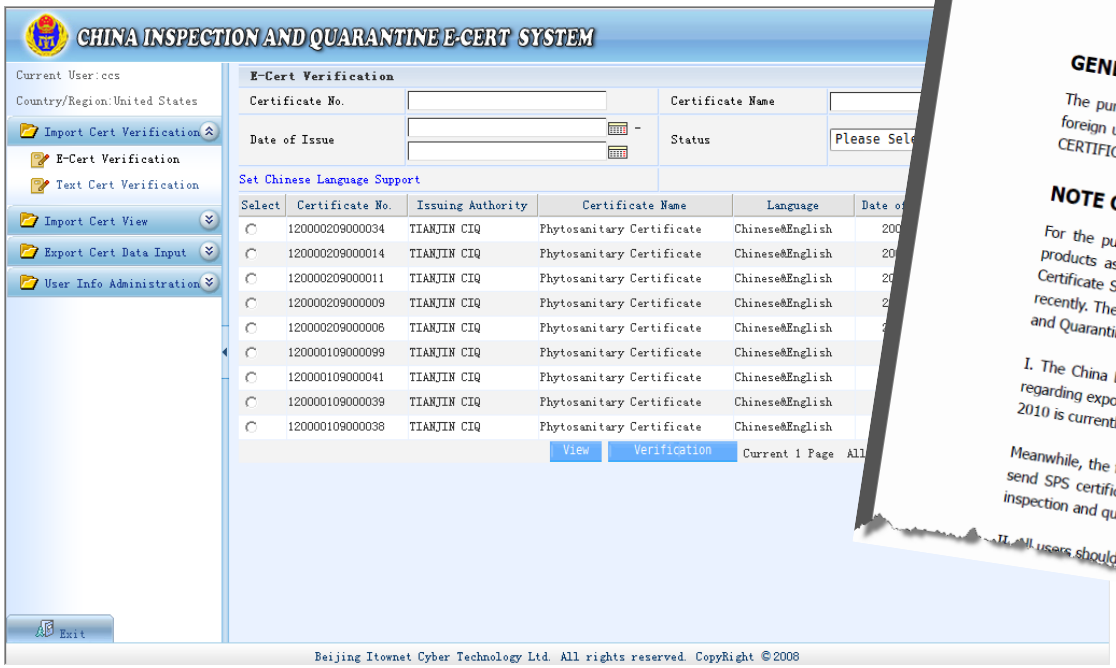
Security

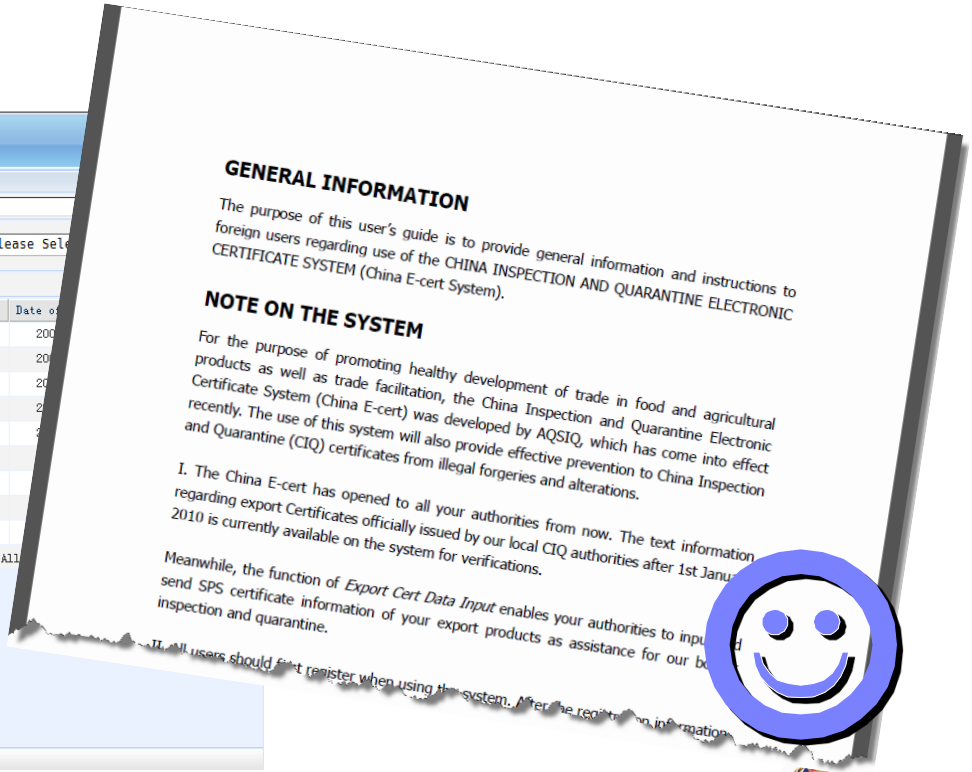
- Secure Hypertext Transfer Protocol (HTTPS)
- 128 bit encryption
- User authentication

- The Main Features

Convenience

- **Friendly interface**
- **Easy to operate**
- **User Guide on website**





GENERAL INFORMATION

The purpose of this user's guide is to provide general information and instructions to foreign users regarding use of the CHINA INSPECTION AND QUARANTINE ELECTRONIC CERTIFICATE SYSTEM (China E-cert System).

NOTE ON THE SYSTEM

For the purpose of promoting healthy development of trade in food and agricultural products as well as trade facilitation, the China Inspection and Quarantine Electronic Certificate System (China E-cert) was developed by AQSIQ, which has come into effect recently. The use of this system will also provide effective prevention to China Inspection and Quarantine (CIQ) certificates from illegal forgeries and alterations.

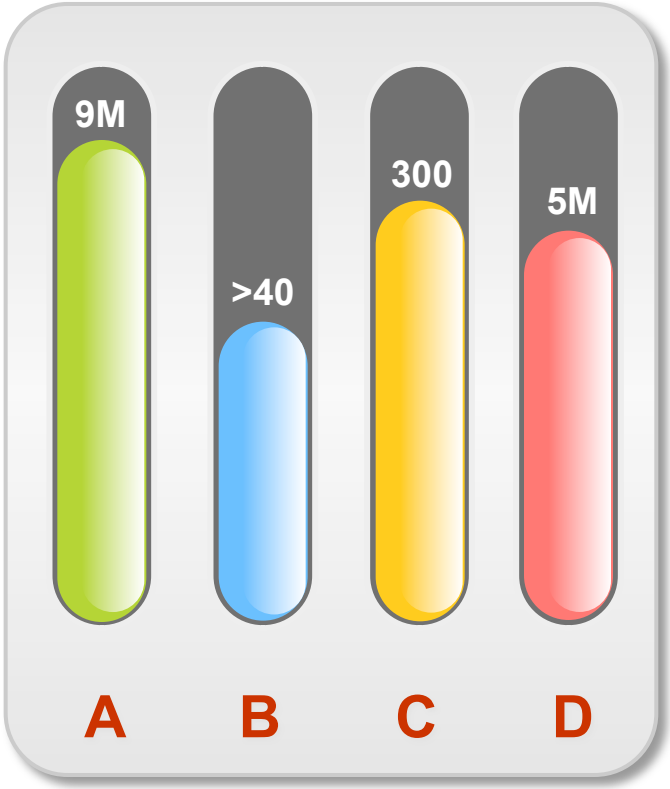
I. The China E-cert has opened to all your authorities from now. The text information regarding export Certificates officially issued by our local CIQ authorities after 1st Janu 2010 is currently available on the system for verifications.

Meanwhile, the function of *Export Cert Data Input* enables your authorities to inpu send SPS certificate information of your export products as assistance for our b inspection and quarantine.

II. All users should first register when using the system. After the registration information

3. Current situation & achievement of China's E-cert international cooperation

- Development & Achievements



A. Over 9 million E-certs uploaded

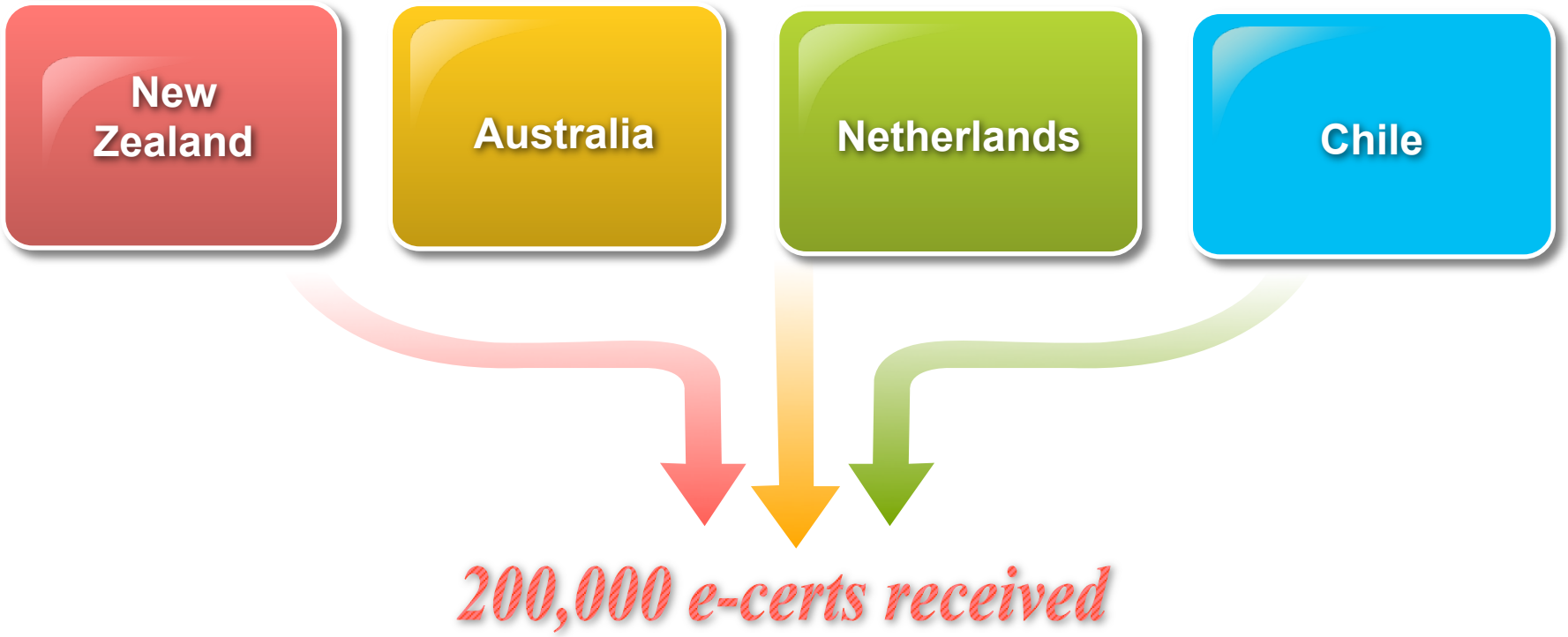
B. Over 40 countries using the system

C. Nearly 300 officials using the system

D. 5 million E-certs verified

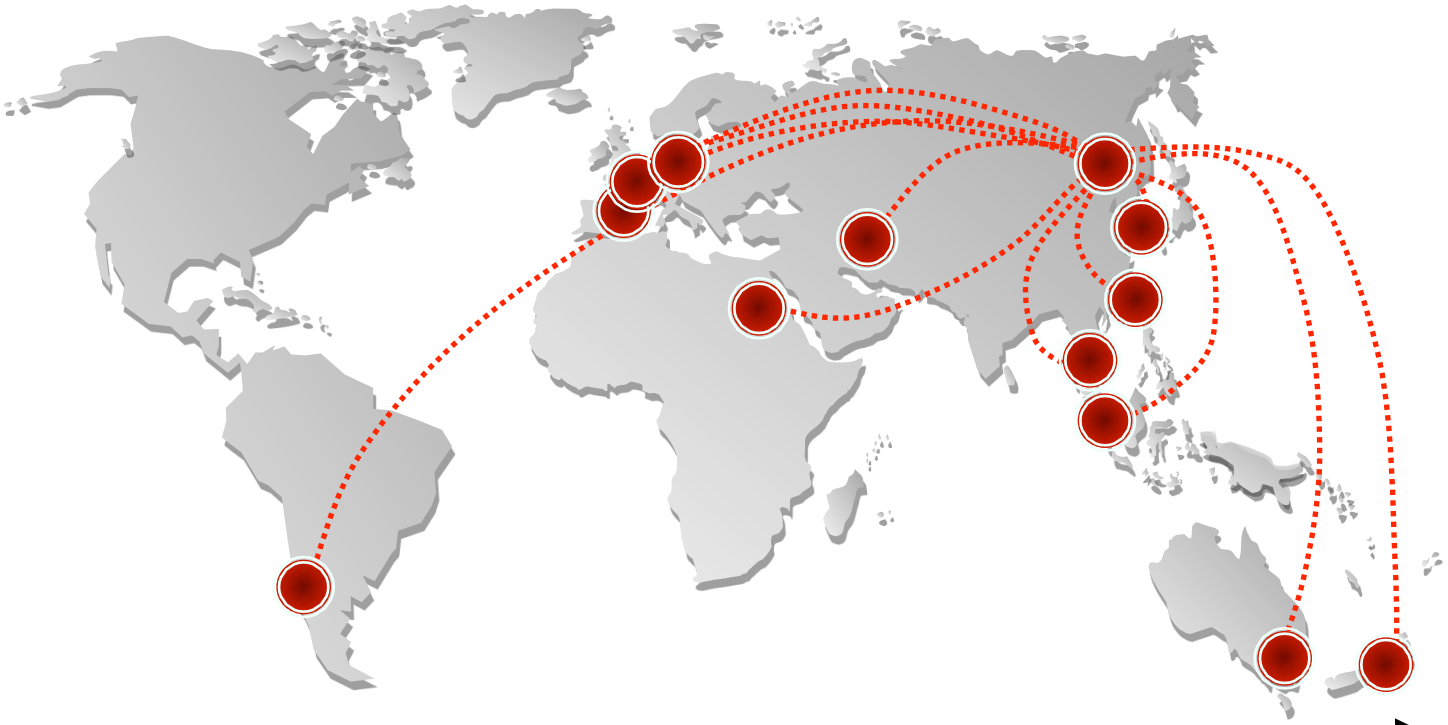
- Development & Achievements

- Cooperative agreements signed



- Countries or areas communicated

- New Zealand
- Australia
- Netherlands
- Chile
- German
- Singapore
- Egypt
- Belgium
- France
- Chinese Taiwan
- Thailand
- South Korea



4. China's future work on E-cert

- The old and new system switching

- CIQ2000 will be ended
- ECIQ will be put into trial operation
  - After the new system fully implementing, we will issue certificates digitally and realize the exchanging data.

1. To further improve the system

- China will speed up adjustment of the E-cert system and development of E-cert system' sub-systems and supporting systems.
- China welcomes suggestions and comments on its E-cert system from all countries.

2. Expand foreign exchange and cooperation

- **China is willing to share experiences on e-cert with all countries and to help interested countries to establish their own e-cert systems.**
- **China is willing to conduct e-cert standards research, participate in formulation and revise of international e-cert standards, promote standardization of international e-certification, and constantly enhance the level of e-certification in China and in the world.**

3. To promote paperless certification

- China is willing to make joint efforts with its cooperative partners to gradually realize paperless certification between governments through on-line e-cert verification.

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Thank you !