

Country Report of Taiwan

1. Background

Along with the continued development of the economy, the cost of land and labor has risen swiftly. Taiwan's agricultural products usually lack competitiveness on the market; thus the investment of 833,000 hectares (roughly 23.1% of the nation's land) and 591,000 employed personnel (about 6.0% of the entire working population) comprise only 1.70% of the nation's GDP (Table 1). Because Taiwan's agricultural economy is a small-scale agribusiness model based on the family farm, it lacks economy of scale and there is no way to optimize technical efficiency. In addition, Agriculture agencies have always placed more value on production-oriented technological innovation rather than consumer-based agricultural production and marketing events. It also aims for lower value-added manufacturing and processing efficiency in the industry value chain, and overlooks high value-added items such as innovation, R&D, marketing and services. Thus, it feels pressure in the face of internationalization and free competition.

Year	Total nation's land area (1000 hectare)	Cultivated Land Area (1000 hectare)	National working population (per 1,000 people)	Number of employed agricultural workers (per 1,000 people)	Gross Domestic Product (GDP) (billion US\$)	Agriculture Product share in GDP (%)
2000	3,600	851	9,491	740	321,230	1.98
2001	3,600	849	9,383	706	291,694	1.85
2002	3,600	847	9,454	709	294,803	1.75
2003	3,600	844	9,572	696	299,785	1.69
2004	3,600	836	9,786	642	322,179	1.68
2005	3,600	833	9,942	591	345,862	1.70

Table 1 Cultivated land, working population and output

In a small agribusiness economy, the transmission of agricultural information requires a large amount of manpower and time. The central government has established seven district agricultural improvement stations and various experimental agriculture stations. Besides conducting regional or industry-specific agricultural experimentation and research, it also offers complete promotional services so that the results of research

and development are realized in agricultural production. In addition, the town farmers' and fishermen's association that usually exists (Table 2) offers not only financial support, resources and materials for production, operations and sales services, but also performs the important task of the transmission of agricultural information.

Year	Number of Farmers' Associations	Membership	Number of Fishermen's Associations	Membership
2000	304	1917938	40	339590
2001	304	1930171	40	359449
2002	304	1959427	40	372052
2003	304	1950321	40	383893
2004	304	1925550	40	385124
2005	303	1930222	40	389164

Table 2 Farmers' and Fishermen's Associations

However, recent years have seen the quick development and widespread utilization of information technology and the World Wide Web. The agricultural department has risen to meet these developmental trends by transferring the traditional agricultural information and exchange model to a new management environment based on the World Wide Web. It has also employed information technology to construct an information system that connects the agricultural industry value chain to improve manufacturing and processing efficiency as well as stimulate the research, development and design of new products, and provide new kinds of services and marketing. Information technology has also inspired new creative insights, new product development, new services, new sales channels, and even new organizations, thus causing agriculture to develop new value (Figure 1).

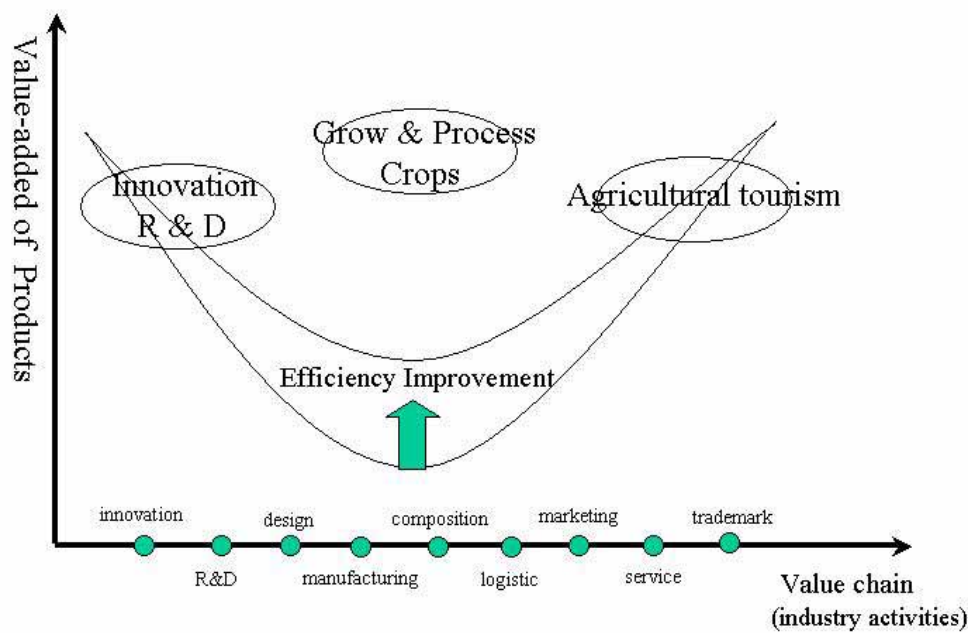


Figure 1 Agricultural Activity Value Chain

First, initiation of the construction of a network infrastructure for agricultural information, enabling the quick execution of agricultural R&D, promotion, manufacturing, marketing and other activities over the Information Superhighway, and the construction of agriculture-related user groups. Next, the promotion of information-centered agricultural services, encouraging various agricultural associations to jointly use a system of credit transaction information and links to the financial networks of various banks nationwide, enabling rural agricultural workers to enjoy financial services of the same quality as that found in urban areas. In addition, integration of related agricultural production technology, production and sales pricing information, and personnel education information. Furthermore, the development of an agricultural information management system, construction and promotion of a marketing system for the creation of a system for agricultural information, and through the World Wide Web, create a direct connection between the network for users from the agricultural sector and the lives of the public, to achieve a modernized agricultural economy that is the integration of production, ecology, and life, and establishing a firm basis for the sustainable management of the national agricultural system.

2. Agricultural Information Network Infrastructure

As mentioned earlier, farmers' and fishermen's associations are the most important agricultural associations in Taiwan, as well as the ones with the longest history. Having long assisted the government by initiating various agricultural and fishing policies, they play a significant role in the promotion of agriculture and the improvement of benefits for agricultural workers. However, an inability to react quickly to meet changes in the social environment and other factors has led to the generation of a large gap between the management effectiveness of these associations, the quality of services offered to workers in the agricultural and fishing industries, and social development. Thus, the initiation of network and information-based processes of farmers' and fishermen's associations can be considered a starting point for the establishment of a network infrastructure for agricultural information. With the assistance of the government, the construction of 344 local area networks for farmers' and fishermen's associations was completed in the three-year time period starting from 2001. ADSL was also employed to create a system for integrating the World Wide Web (Figure 2), enabling farmers' and fishermen's associations that directly serve agricultural workers to become connected to the Internet.

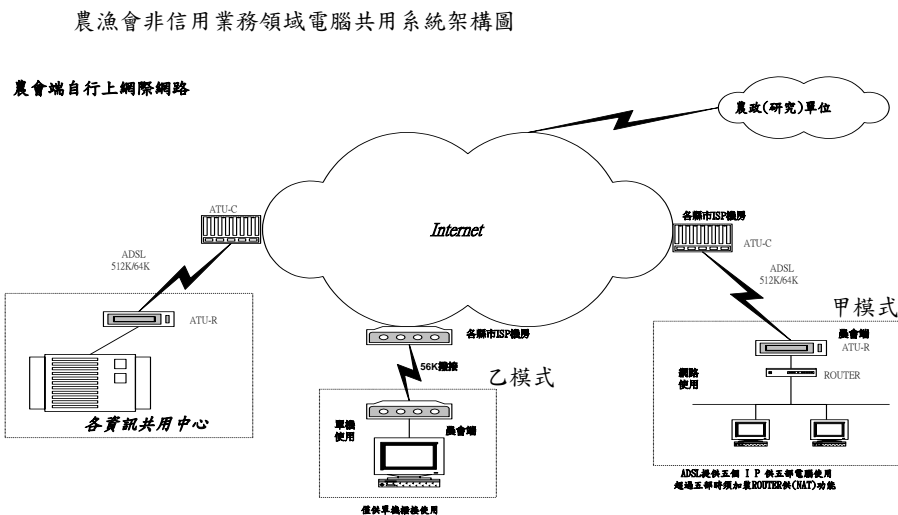


Figure 2 Network Structure of Farmers' and fishermen's Associations

Information technology can be used to elevate the operational effectiveness of farmers' and fishermen's associations, accumulate intellectual capital, improve organizational image, and lastly, develop

such that each farmers' and fishermen's association employee can quickly access new information through the Internet, be full of confidence, and be more capable of adapting to changes in the social environment. Farmers' and fishermen's associations can thus become modern corporations with a solid Internet and information base. At the same time, the government also assists in the planning of a production and marketing group with a management philosophy, the acquisition and installation of computers and Broadband Internet, and the construction of a network infrastructure for agriculture agencies' users, including agriculture-related government units, farmers' and fishermen's associations, and users in production and marketing groups.

3. Helping Farmers' and Fishermen's Associations to Develop Information-Based Processes

Developing web-based personnel systems, membership management systems, financial management systems, sales and inventory systems, joint transportation and marketing systems, accounting systems, farmers' insurance systems and so on, enables farmers' associations to become information-oriented. What requires attention, however, is that government agricultural departments also promote the automation exchange of document at farmers' and fishermen's associations (Figure 3), so that all farmers' associations and government agricultural agency can enjoy rapid and paperless transmission of official documents. This would be of tremendous benefit for the transmission of agricultural information.

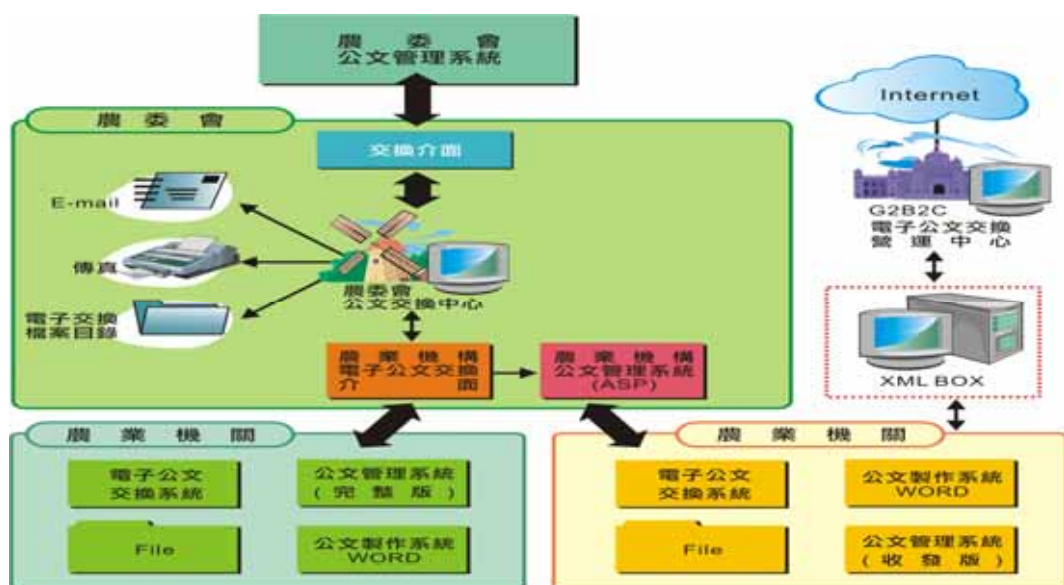


Figure 3 The Farmers' and fishermen's Associations electronic document exchange system

4. Strengthening the Information Content of the Agricultural Information System

The development of Taiwan's agriculture can be divided into three dimensions: production, life and ecology. With regard to production, the important thing is to utilize funds, land, labor and technology to produce agricultural products, keeping in mind manufacturing output value and the profit of farmers. With regard to life, the focus is placed on whether or not it is possible to produce a complete and high quality agricultural product or service that satisfies the public need. This also includes safety, public health and recreational farming information. On the ecological front, the most important considerations are natural resources and environmental protection. Because agricultural production is a production method which directly utilizes and depends heavily on natural resources, it is important to consider resource utilization, the preservation of the natural environment, and the harmony of the rural community while promoting the development of agriculture. In general, Taiwanese agricultural information services can be divided into three main categories: production and marketing information services which provide production technology and market information reports; life information services which provide safety information about fruits and vegetables as well as product propaganda; and the service of providing information about ecological resource preservation.

A. With regards to market transaction information, many of the major wholesale markets in Taiwan have gradually integrated market information. "Agriculture Production and Marketing Group's Information Service Networking" (<http://farm.coa.gov.tw>) (Figure 4) and "Agricultural Product Transaction and Market Site" (<http://163.29.73.197>) (Figure 5) are both linked to auction markets and offer seven categories of wholesale market information updated daily: vegetables, fruits, cut flowers, lamb, pork, poultry and fish. Aside from product prices, market comparisons by season, month, and year are also available for reference; farmers' and fishermen's association staff may find them of use when planning product shipments or making other adjustments. In the future, it should be possible to extend market information about agricultural products to retail operators and develop a system for aggregating transaction information from large wholesale markets and fresh specialty (bulk sale) stores. Thus, information can be used to connect all sales

activities, wholesale and retail, of an agricultural product. This not only makes transaction information transparent, it also acts as an effective deterrent to unlawful acts of price manipulation.



Figure 4 Agriculture Production and Marketing Group's Information Service Networking



Figure 5 Agricultural Product Market Information Website

B. In terms of marketing services, due to the rapid development of the World Wide Web and the daily increase in the number of Internet users, Internet transactions have become a commercial opportunity with virtually unlimited possibilities. However, various characteristics of agricultural products such as low price, perishable nature, lack of a uniform set of product standards and high shipping cost, always functioned as barriers to the creation of an actual “agricultural e-marketplace.” With the exception of some seasonal, high-priced products such as peaches, lychees, pomelos, pears and cut flowers which are sold directly to consumers over the Internet, agricultural products such as one’s daily vegetable supply, rice and fresh farm products are all difficult to sell over the Internet. The establishment of the experimental website, “Commercial websites of agricultural products” (<http://www.efarm.org.tw>) (Table 6) was an unprecedented first step that could be considered the vanguard in the Internet marketing of agricultural products. In the year 2002, extensive efforts to promote sales and group purchases led to a turnover of NT\$491,665. In the year 2005, its sales had reached NT\$3,664,760 demonstrating that there is a bright future for the sale of high-value agricultural products over the Internet.



Figure 6 Commercial websites of agricultural products

However, agricultural Internet marketing by no means stops with B2B or B2C marketing of actual agricultural products. An even more important function is to assist the agricultural sector to develop new operational scopes. Aside from agricultural products produced in the field, the Internet can also be used to market the beautiful landscape of farming villages and farming culture and knowledge. The marketing of these precious farm stay experiences facilitates the crossover of agriculture from a primary industry to a tertiary industry which provides services. “recreational farming information website”(http://ezgo.coa.gov.tw) (Figure 7) integrate agricultural tourism information from each city and county, offering both prepackaged tours and DIY features that enable you to custom-build your own tours. By providing a variety of tourism information, this site makes it more convenient for the public to take recreational agricultural tours, thereby doing their part to facilitate the transition of the agricultural sector.



Figure 7 recreational farming information website

With regards to providing food product safety information, the

promotion of organic agricultural products and the production and dissemination of the Good Manufacturing Practices(GMP) symbol denoting safe agricultural products are both important government policies. Thus the “Organic Agriculture Information Center” (<http://organic.niu.edu.tw/default800.htm>) (Figure 8) provides organic agriculture technology and consumer information, organic agricultural producer search functionality, Internet publications, and other overview information, enabling users to search for information on topics related to organic agriculture.



Figure 8 Organic Agriculture Information Center

Pesticide residues have long been a source of concern for consumers. At present, though compliance with regulations governing the use of pesticides has reached 98%, the “GMP” safe fruit and vegetable seal has been designed because the consumer cannot recognize pesticide residue with the naked eye. This seal represents the quality and safety of products and the honor of farm operators. Consumers can rest assured that products bearing the seal can be bought and used. For a list of agricultural products fulfilling GMP safety requirements, one can search “GMP Announcement,

Advisement and Service Web”

(<http://www.tactri.gov.tw/htdocs/notes/gapweb/>) (Figure 9) established by the Taiwan Agricultural Chemicals and Toxic Substances Research Institute, which provides the public with information about the safety of fruits and vegetables.



Figure 9 GMP Announcement, Advisement and Service Web

C. Because agricultural production is a production method which directly utilizes and depends heavily on natural resources, it is important to consider the utilization of these resources and the preservation of the natural environment. Today, the mission of Taiwan's agricultural development should not only be food production, but also the preservation of the natural environment and our common natural resources. The website of the Taiwan Endemic Species Research Institute (<http://nature.tesri.gov.tw/tesriusr/index.htm>) (Figure 10) provides information about Taiwanese biological resources, endemic species preservation, and ecologically protected areas. Through the website, researchers and the general public can all quickly access the information that they are looking for.

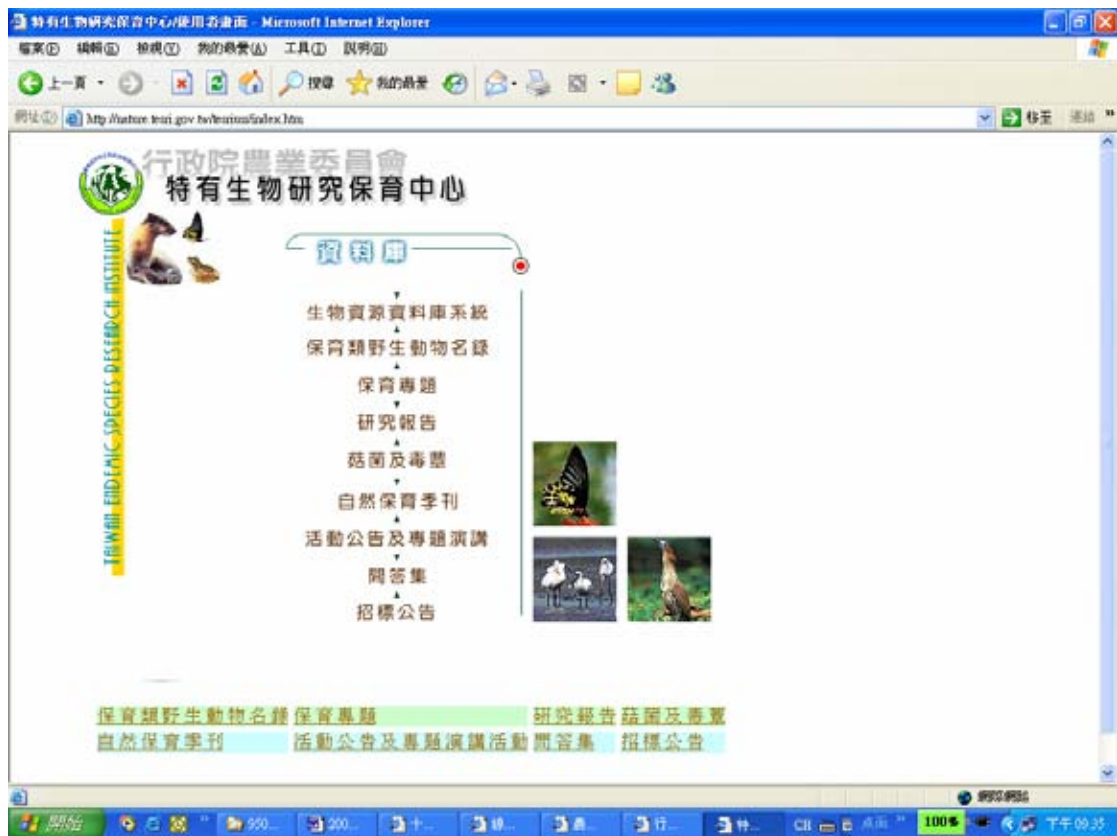


Figure 10 Taiwan Endemic Species Research Institute website

D. Because farmers and agricultural workers usually stay in rural areas on weekdays and are busy with farming tasks, they lack opportunities for continued study. However, the Internet allows them to exchange educational information without the constraints of time and space. The main purpose of the “Agricultural Industry Extension Network” (<http://agrext.coa.gov.tw/>) (Figure 11) and the “Agriculture Education Website” (<http://agredu.coa.gov.tw/>) (Figure 12) is to provide a forum for farmers and agricultural workers to learn and share experiences.



Figure 11 Agricultural Industry Extension Network



Figure 12 Agriculture Education Website

5. Future Developmental Directions

Though farmers' and fishermen's associations have not been as quick as other industries to become information-oriented, in recent years, having received encouragement from the government and facing the pressures of competition in a social environment, farmers' and fishermen's associations have met the challenge head-on. Managers of these associations and workers are all able to recognize the new life that information technology can bring them the strength for competition.

At present, the government agriculture department is in the process of establishing an "Agriculture and Food Traceability System," which makes it possible to trace the food supply chain. This work is carried out under the supervision of farmers' and fishermen's associations and includes producing and harvesting as well as sale and transport. Detailed records are kept regarding the application of pesticides, fertilizer and other production materials. After harvest, a production seal is affixed to the paper harvesting container, the container is shipped to the container treatment plant to be cleaned, and a shipping label is affixed. The Agriculture and Food Traceability System strengthens field management and enables consumers to rest assured about the safety of the products they use. Because in recent years, the processes of farmers' and fishermen's associations have become increasingly information-based, instructing agricultural workers to use the Agriculture and Food Traceability System will not be that difficult. At the same time, the government hopes that information technology can continue to increase the management and operational efficiency of farmers' and fishermen's associations and lower their costs, even allowing them to accumulate intellectual capital and improve organizational image. Ultimately, they can become educational organizations that are able to meet environmental challenges at any time.

COUNTRY REPORT



行政院農業委員會

COUNCIL OF AGRICULTURE, EXECUTIVE YUAN



Mei-Yueh Chen

Chinese Taipei

September 17 - 22, 2006

MEDAN, INDONESIA

CONTENTS

-  **GENERAL SITUATION OF TAIWAN'S FARMERS' & FISHERMEN'S ASSOCIATION**
-  **FARMERS' & FISHERMEN'S ASSOCIATION COMPUTERIZATION PROGRESS**
-  **PRESENT STATUS OF MAJOR INFORMATION NETWORKING SYSTEM IN TAIWAN**
-  **ASPECTS IN THE FUTURE DEVELOPMENT**

General Situation of Taiwan's Farmers' & Fishermen's Association

- Over the past five decades, Taiwan has developed from an **agriculture-based economy** to a newly **industrialized one**.
- Taiwan's agriculture sector shares **6.0%** of the **country's employed population** and uses **23.1%** of the **country's territory**, but its output accounts is only **1.7%** of the **GDP**.

General Situation of Taiwan's Farmers' & Fishermen's Association

- Taiwan's agricultural production has been characterized by **small-scale production** and as a result of fast economic growth and **rising labor costs**, the production cost of Taiwan's agricultural sector has risen to a relatively high level.
- In an agriculture sector made up of **small farms**, the spread of agricultural information **takes a lot of manpower and time**.



General Situation of Taiwan's Farmers' & Fishermen's Association (cont.)

- The farmers and fishermen associations throughout the country also **shoulder the responsibility of conduits for the free flow of agriculture information.**
- In Taiwan there are totally **343 Farmers' & Fishermen's Associations with 2,319,386 members in 2005.**

General Situation of Taiwan's Farmers' & Fishermen's Association (cont.)

■ The major works of FFAs are:

1. agricultural extension

- According to the law, every FFA should make a budget in this section from the surplus of the previous year.

2. economical activities

- In this section, FFAs operate various agricultural materials, farmers' shopping centers, supermarket and joint transportation and sales.

3. Finance and Banking Services

- FFAs also provide banking services such as deposit and agricultural loan.

4. Insurance Services

- In this section, FFAs manage farmers' insurance and livestock insurance.



Number of Farmers' & Fishermen's Associations and Members

YEAR	Number of Farmers Association (house)	Total members of Farmers Association (person)	Number of Fishermens Association (house)	Total members of Fishermens Association (person)
2000	304	1917938	40	339590
2001	304	1930171	40	359449
2002	304	1959427	40	372052
2003	304	1950321	40	383893
2004	304	1925550	40	385124
2005	303	1930222	40	389164

Farmers' & Fishermen's Association computerization progress

- In 1980's, the government encouraged FFAs to **use and share the finance & banking information system** which connect to nationwide banking networks.
- At present, there are **four main Joint Information Centers**. These centers have **performed satisfactorily for the development and maintenance of the finance and banking network system, and government encourage them to provide ICT services to other sectors.**

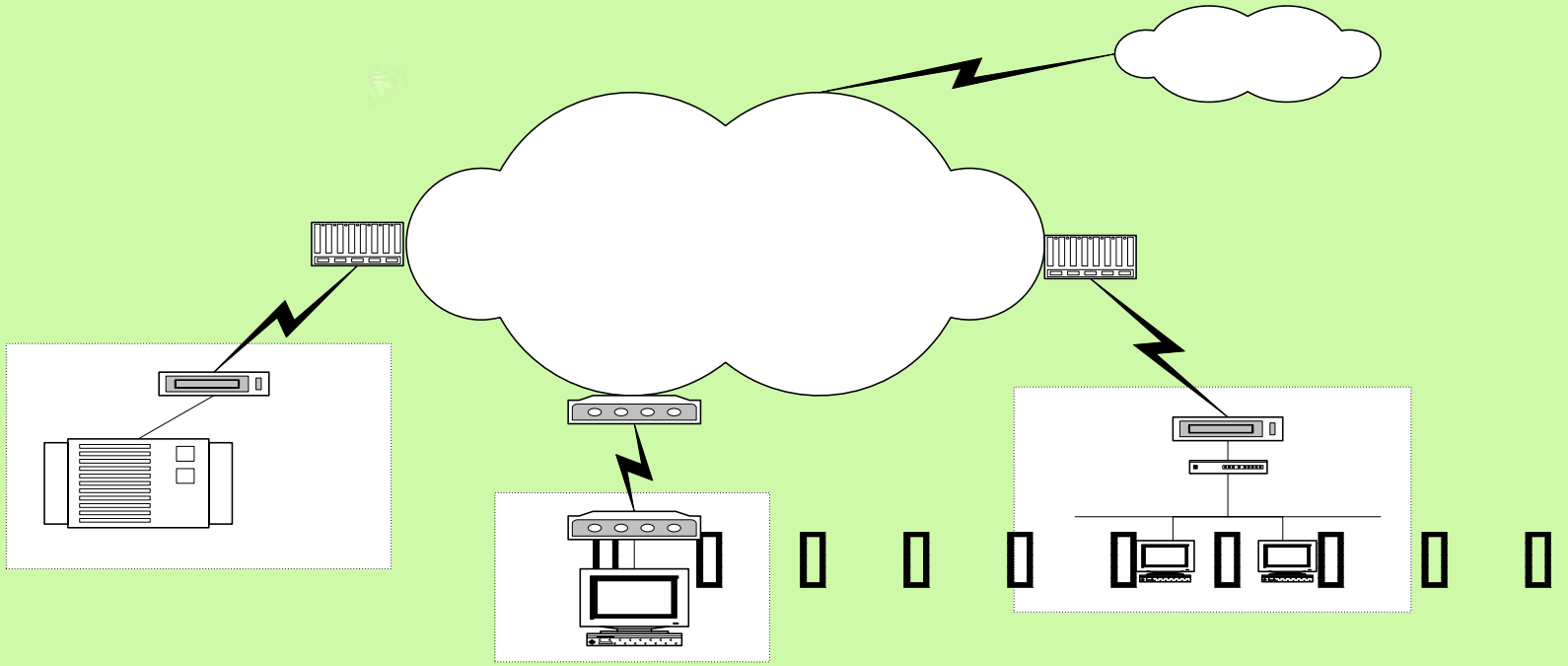


Farmers' & Fishermen's Association computerization progress (cont.)

- The government started a program of “Establishing agricultural information community network” to facilitate the management computerization of FFAs from 2001.
- In 2003, The agricultural information community network completed.

Farmers' & Fishermen's Association computerization progress (cont.)

Networking Structure of FFAs



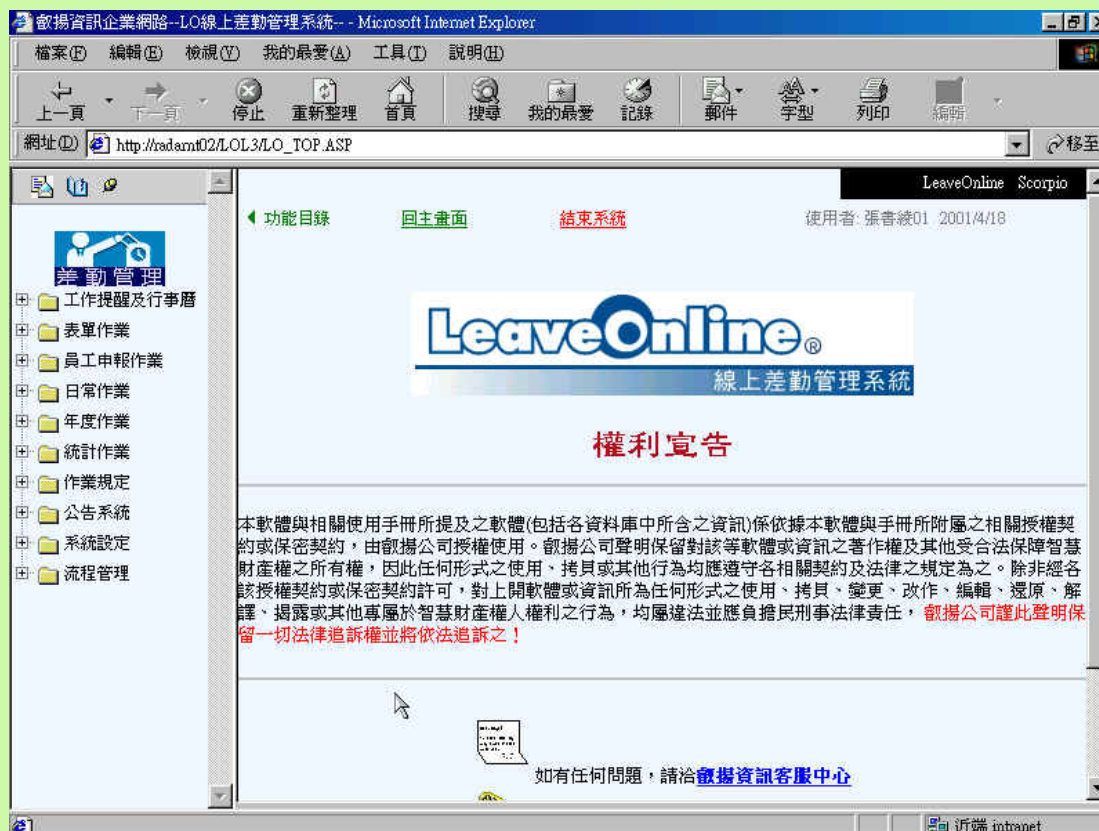


Farmers' & Fishermen's Association computerization progress (cont.)

- On the other hand, the programs also developed.
- Many web-based management systems including personnel, CRM, property management, stock and sales management, joint transportation and selling, accounting, and insurance service.

Farmers' & Fishermen's Association computerization progress (cont.)

personnel system : employee autobiography, salary, promoted history, absent apply...



Farmers' & Fishermen's Association computerization progress (cont.)

- Membership service system : members information records, member annual charge...



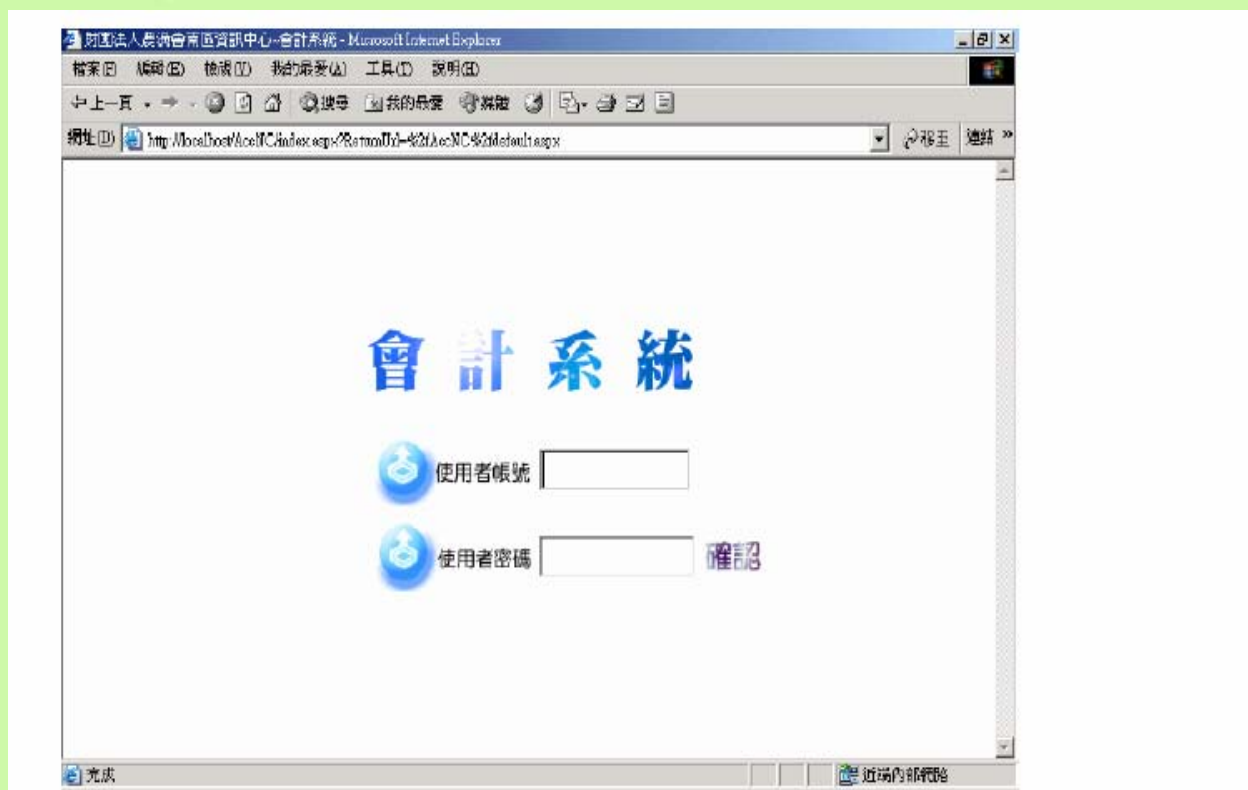
Farmers' & Fishermen's Association computerization progress (cont.)

- Asset management system : inventory, assets depreciation...



Farmers' & Fishermen's Association computerization progress (cont.)

Accounting system



Farmers' & Fishermen's Association computerization progress (cont.)

joint transportation and marketing system

入扣款公式管理

入扣款公式管理

第一筆 上一筆 下一筆 最後一筆 新增 刪除 修改 更新資料

公式代號 001 公式名稱 新港農會 公式別 扣款

扣款 回補

市場管理費扣款別	總價百分比(扣款)	市場管理費費率	0.015
本會手續費扣款別	總價百分比(扣款)	本會手續費費率	0.04
省農會手續費	總價百分比(扣款)	省農會手續費率	0.0075
縣農會手續費	總價百分比(扣款)	縣農會手續費率	0.0025
車資	重量(扣款)	車資費率	1.2
卸貨扣款別	不用	車資費率	0
容器扣款別	件數(扣款)	容器費率	20
基金扣款別	不用	基金費率	0
分級工資扣款別	不用	分級工資費率	0
其他扣款別	不用	其他費率	0

公式代號	公式名稱	入扣模類別	註解
001	新港農會	扣款	
002	回補容器	扣款	
FA1	一市水果	扣款	

Farmers' & Fishermen's Association computerization progress (cont.)

Farmers insurance system

(二)申請作業

財團法人農漁會南區資訊中心-農健保管理系統 - Microsoft Internet Explorer

http://mrc2002/hun/index-1.aspx

農健保管理系統 版本日期: 09/30/2012 線上人數: 1

使用者: 南農中心

查詢: 主保身分證 0/0 目前狀態:

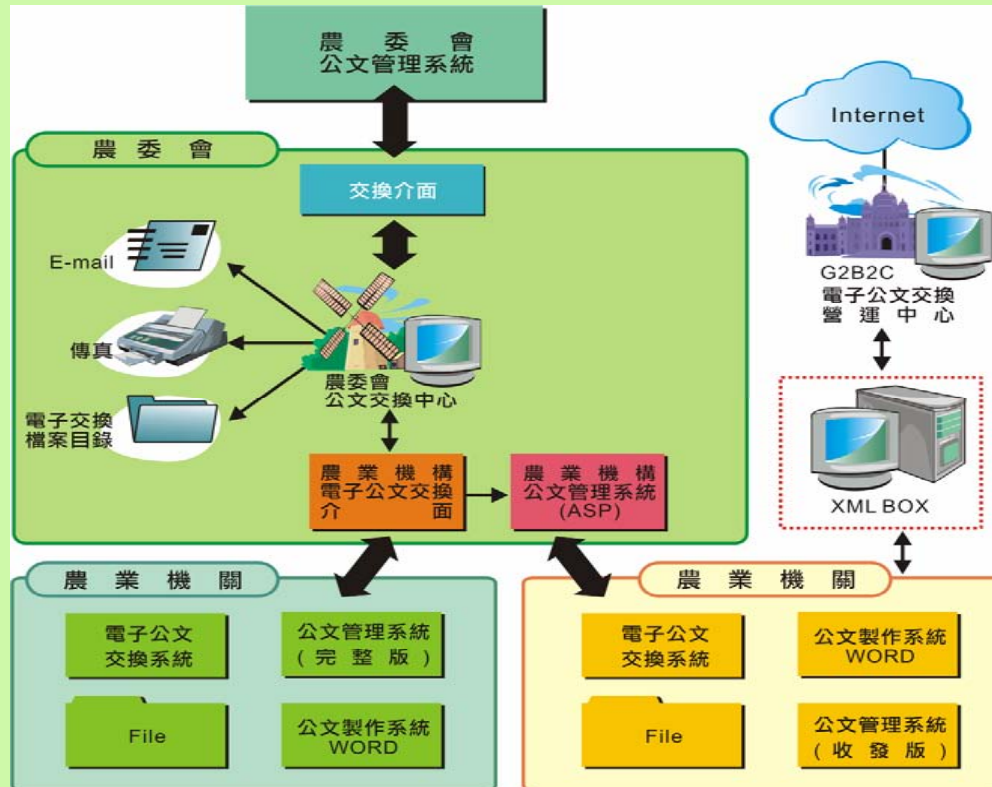
首頁 上一步 下一步 結束 新增 刪除 儲存 新增 刪除

申請日期			
主保身分證		主保姓名	
管屬身分證		管屬姓名	
生日		稱謂	
農保投保	<input type="checkbox"/> 投保	資格別:	
	<input type="checkbox"/> 退保	退保原因:	
健保投保	<input type="checkbox"/> 轉入	轉入原因:	
	<input type="checkbox"/> 轉出	轉出原因:	
	<input type="checkbox"/> 中斷	中斷期間:	至
變更事項	<input type="checkbox"/> 身分證號	<input type="checkbox"/> 姓名	<input type="checkbox"/> 生日
	<input type="checkbox"/> 管屬別	<input type="checkbox"/> 舊	新
農保逾滿日		健保逾滿日	
審核日期		審核結果	

無誤

Farmers' & Fishermen's Association computerization progress (cont.)

The FFAs electronic document exchange system



Farmers' & Fishermen's Association computerization progress (cont.)

Commercial websites of agricultural products



Present status of major information networking system in Taiwan

Council of Agriculture(COA) Website

行政院農業委員會 - Microsoft Internet Explorer

http://www.coa.gov.tw/show_index.php

行政院農業委員會
COUNCIL OF AGRICULTURE, EXECUTIVE YUAN

新農業運動—台灣農業亮起來

使用對象：全網站 農林漁牧業者 企業廠商基金會 農民團體及政府農業單位 農委會人員

服務

- 便民服務
- 關於農委會
- 農業政策
- 新聞與法令
- 休閒與生活
- 技術與資料
- 統計與出版品
- 資料下載
- 農委會計畫研提
- 台灣農業形象館
- 線上服務網站
- 相關網站連結
- 農委會所屬機關
 - 農糧署
 - 漁業署
 - 動物防疫檢疫局

新聞與法令

現在位置：首頁

黑熊咖咖海上遇難了，快來幫助Mita怎樣和竹子搶救黑熊！

- 因應日本實施農藥殘留新制採行之措施
- 認識家禽流行性感官&新型流感專區

最新消息

- 95.08.18 GGM羊乳標章認證羊乳品95年7月檢驗結果報告
- 95.08.17 蔬果涼方果真極品—蘇子冰法秘笈
- 95.08.11 本會開辦園丁訓練，歡迎有意營農者報名參加
- 95.08.08 首架水果彩繪機滿載台灣水果甜蜜滋味，遨遊天際抽模型飛...
- 95.08.04 95年度中美基金貸款計畫說明書
- 95.07.05 96年度「農業生物技術國家型科技計畫」公開徵求作業
- 95.06.28 邊學邊玩fun暑假！2006農村夏令營開始報名

農業新聞

- 95.08.28 現代化水質監控系統，確保農業生產環境及農糧品質

訂閱電子報

email: [email]

訂閱 退訂

新農業運動

新農業運動漂鳥網

農產品安全追溯資訊網

網際網路

Present status of major information networking system in Taiwan (cont.)

Taiwan agriculture land information system

The screenshot displays the Taiwan Agriculture Land Information System (TALIS) web application. The browser window title is "台灣農地資訊系統-TALIS - Microsoft Internet Explorer". The address bar shows "http://talis.coa.gov.tw/talis/MainPageIMS.asp". The page features a navigation menu with options like "農地資源", "農地利用規劃", "農地管理", "農地知識管理", "資料索取", and "系統管理". The main content area shows a map of Taiwan with county and city boundaries. The left sidebar contains search filters for administrative boundaries, land parcels, and postal codes. The right sidebar contains a legend for map features such as roads, rivers, and buildings. The system is accessed via Microsoft Internet Explorer.

Present status of major information networking system in Taiwan (cont.)

Taiwan AgExporter Website

Taiwan AgExporter (agexporter) - Your ideal resource to harvest suppliers and food exporters - Microsoft Internet Explorer

檔案(F) 編輯(E) 檢視(V) 我的最愛(A) 工具(T) 說明(H)

地址(A) http://trade.coa.gov.tw:8080/index_e.jsp

Visitors: 125863 中文版 Japanese Home

TAIWAN AgExporter Taiwan AgExporter

Search Keywords Go

About Us About COA E-newsletter Contact Us Useful Links

Path: Agricultural Products and Foods

Top News More

- Dream Beauty - Taking a Step toward Japan with Courage 2006-08-21
- Taiwan Goose Meat Landed in Japan Market 2006-08-15
- "Taiwan Agricultural Products Hall" Inaugurated in Tokyo! 2006-08-15

Highlights More

Golden Vegetable - Sweet Corn 2006-08-25

Thousands of Agricultural Products and Foods from Taiwan

- Vegetables**
Bamboo Shoot / Cabbage / Chinese Cabbage / Head Lettuce / Onion / Sweet Corn / Spinach / Green Soybean / Sweet Potato / Carrot / Broccoli / Great Burdock / Bitter Gourd
- Flowers**
Phalaenopsis / Oncidium / Anthurium / Chrysanthemum / Evergreen / Pachira / Lisianthus / Nagi / Other Flowers
- Fruits**
Mango / Pomelo / Banana / Guava / Ponkan / Sweet Orange / Papaya / Pineapple / Grape fruit / Grape / Jujube / Lemon / Sand Pear / Litchi / Carambola / Wax Apple
- Seafood**
Taiwan Tilapia / Cobia / Grouper / Milk Fish / Ornamental Fish / Eel / Saury / Squid / Tuna / Mackerel / Horse Mackerel / Meat of Frog Leg / Fish Fry / Other Seafood

http://trade.coa.gov.tw:8080/CATALOG/2013/2013_e_1.htm

開始 950917 線上... 2006... 2005... 2006C... Taiwan... CH 桌面 100% 上午 12:13

Present status of major information networking system in Taiwan (cont.)

Agriculture Extension Network System

The screenshot shows a Microsoft Internet Explorer browser window displaying the website <http://agrest.coa.gov.tw/>. The browser's address bar shows the URL and navigation buttons. The website's main content area features a header with the text "Welcome to agrest.coa.gov.tw" and "農業推廣充電站". Below the header, there are several images: a field of yellow flowers, a person working in a field, a cow in a field, and a person working in a field. To the right of these images, there are four red buttons labeled "農事充電站", "四健充電站", "家政充電站", and "農業區域教學中心資訊網". At the bottom right of the website, there is a footer with the following text: "主管單位：行政院農業委員會", "協辦單位：國際土地政策研究訓練中心", "執行單位：遠承國際資訊", and "行政院農業委員會 版權所有 ©2004 COA All Rights Reserved." The browser's taskbar at the bottom shows the system tray with the date and time "上午 12:17" and the system clock.

Present status of major information networking system in Taiwan (cont.)

The Internet Agricultural Pro

聯合農產品網路商城 - Microsoft Internet Explorer

檔案(F) 編輯(E) 檢視(V) 我的最愛(A) 工具(T) 說明(H)

網址(D) http://www.efarm.org.tw/

加入會員

首頁 季節水果 精緻禮盒 天然美妝 休閒零嘴 美食料理 品茗茶香 新鮮漁

2006麻豆文旦節，內容搶先看！ 給您美好品質的精力來源~柚 拒絕陽光！白晰美人看這邊！

商品搜尋

請輸入關鍵字 搜尋

商品分類

- 季節水果
秋季鮮果報到！
☆多汁水梨☆
★特選文旦★
更多...
- 精緻禮盒
當季水果禮盒
天然美妝禮盒
養生飲品禮盒
食品禮盒系列
更多...
- 天然美妝
沐浴泡湯用品
美護髮用品
羊乳厚養田皂

「柚」愛溫馨情，「城」心傳千里 義賣活動
無論您在何處，邀您一同將柚香柚甜的心意，傳遞給家扶中心
95 年度麻豆文旦節
義賣商品：5 斤裝正宗麻豆文旦禮盒
訂購截止日：9/10

嚴選池上
天然芋頭香味
口感最佳，餘香微聞
益全香米

http://www.efarm.org.tw/farmProdDetail.asp?class=2&category=3&prod=3761

網絡網誌

開始 950917 農漁... 2006... 2005... 2003T... 聯合... CH 桌面 100% 上午 12:21

Present status of major information networking system in Taiwan (cont.)

The Leisure Agriculture Info Network

The screenshot shows the website 'leazo.coa.gov.tw/web/news.php' in a Microsoft Internet Explorer browser. The website has a blue header with navigation links: 回首頁, 農業易遊網, 網站資訊, 聯絡我們, 相關連結, 放大閱讀, 縮小閱讀. Below the header are several tabs: 新聞中心, 旅遊玩家長, 美食主惠, 伴手好禮, 優質住宿, 活動行事曆. The main content area is titled '農業漂鳥' and features a '網站家族' section with a grid of links to various agricultural and leisure-related websites. Below this are sections for '產業動態', '農特產品', and '活動訊息', each with a 'MORE' link. The website also includes a sidebar with a logo and a short article about summer activities in forests.

休閒農業服務網 - Microsoft Internet Explorer

檔案(F) 編輯(E) 檢視(V) 我的最愛(A) 工具(T) 說明(H)

http://leazo.coa.gov.tw/web/news.php

回首頁 | 農業易遊網 | 網站資訊 | 聯絡我們 | 相關連結 | 放大閱讀 | 縮小閱讀

新聞中心 旅遊玩家長 美食主惠 伴手好禮 優質住宿 活動行事曆

農業漂鳥

網站家族

- 台灣省觀光農園發展協會
- 台灣省農會
- 農業易遊網
- 台灣生態教育農園協會
- 田媽媽
- 特發網
- 台灣伴手禮
- 農村風情網
- 國家森林遊樂區導覽網站
- 台北市農會全球資訊網
- 休閒漁業網
- 農業易遊網
- 台灣休閒農業發展協會
- 台灣省農會_台灣觀光旅遊網
- 福山植物園
- 南農電舖
- 太平國家森林遊樂區
- 國家步道導覽網
- 財團法人CAS優良農產品發展協會

產業動態 MORE

- [臺北市] 台灣蝴蝶保育學會「台灣的甲
- [臺北市] 台灣蝴蝶保育學會「台灣的甲
- [基隆市] 基隆湖境公園的動力滑翔翼

農特產品 MORE

- [基隆市] 朱崇能師生民俗童玩工藝特展
- [基隆市] 朱崇能師生民俗童玩工藝特展
- [彰化縣] 彰化縣休閒農業工作研討會6

活動訊息 MORE

基隆漁村民俗文化展-和平島北管

基隆漁村民俗文化展-和平島北管情..

休閒生活消費新知 MORE

剩餘 21 個項目

網路網誌

開始 950917 2006投... 行政院... Microsoft... 休閒農... CF 桌面 97% 下午 09:35

Present status of major information networking system in Taiwan (cont.)

Organic Agriculture Info Network



Present status of major information networking system in Taiwan (cont.)

Homepage of Natural Conservation Network

The screenshot shows the homepage of the Forestry Bureau's Natural Conservation Network. The browser window title is '行政院農委會林務局 自然保育網 Forestry Bureau - Microsoft Internet Explorer'. The address bar shows the URL 'http://conservation.forestry.gov.tw/mp.asp?mp=10'. The page header includes the Forestry Bureau logo and the text '自然保育網'. Below the header is a navigation menu with categories like '最新消息', '保育機關', '棲地保育', '社區林業', '珍貴老樹保育', '物種保育', '保育法規', '相關網站', and '下載專區'. The main content area is titled '最新消息' (Latest News) and features a butterfly icon. It lists several news items with dates and titles, such as '公告新增野生動物活體輸出入審核要點附表名錄' and '新增 台灣獼猴危害農作物的防治管理手冊 檔案下載'. To the right of the news section is a '自然保留區' (Natural Reserves) section with a list of reserves including '出雲山自然保留區', '烏山頂泥火山自然保留區', and '大武山自然保留區'. Below that is a '野生動物急救站' (Wildlife Emergency Stations) section with a list of stations like '台北市動物衛生檢驗所' and '彰化縣動物防疫所'. The page also includes a '野生動物名錄公告' (Wildlife Species List Announcement) section. The bottom of the page shows the Windows taskbar with the system clock at 12:28 on 9/5.

Present status of major information networking system in Taiwan (cont.)

Natural resources and Ecology GIS Database in Taiwan website

The screenshot shows a Microsoft Internet Explorer browser window displaying the website for the Council of Agriculture, Executive Yuan's Natural Resources and Ecology GIS Database. The browser's address bar shows the URL: <http://ngis.zo.ntu.edu.tw/index1.htm>. The website's header includes the logo of the Council of Agriculture, Executive Yuan, and the title "自然資源與生態資料庫" (Natural Resources and Ecology GIS Database in Taiwan). Below the header, there are navigation tabs for "農業資源資料庫", "林業資源資料庫", "漁業資源資料庫", "畜牧資源資料庫", and "生物多樣性資料庫". The main content area features a large image of a forest and a sidebar with a list of resources. The central text describes the database as a major information system for natural resources, managed by the Council of Agriculture, Executive Yuan. It mentions that the database covers various biological resources and is a result of a long-term effort by various units and organizations. The text also states that the database is intended to be a platform for sharing information and promoting the development of natural resources and ecology in Taiwan.

Present status of major information networking system in Taiwan (cont.)

Agriculture Production and Marketing Group's Info Service Network



Present status of major information networking system in Taiwan (cont.)

Agri Production and Marketing Info Network



歡迎光臨農產品交易行情站 - Microsoft Internet Explorer

檔案(F) 編輯(E) 檢視(V) 我的最愛(A) 工具(T) 說明(H)

http://163.29.73.197/

農產品交易行情站

◎蔬果漲跌前20名交易行情 ◎市場休市日 ◎價格漲跌幅監控

news 漲 20% 請由上方 "◎價格漲跌幅監控" 查詢!!

您是第 2026466 位訪客

行情報導簡介
最新消息
供應行情
他山之石
年報下載
諮詢服務

委託單位：行政院農業委員會農糧署 執行單位：財團法人資訊工業策進會
行政院農業委員會 版權所有 © 2004 COA All Rights Reserved.

Present status of major information networking system in Taiwan (cont.)

Agriculture Education Website

歡迎光臨農業教育訓練資源整合資訊網 - Microsoft Internet Explorer

檔案(F) 編輯(E) 檢視(V) 我的最愛(A) 工具(T) 說明(H)

http://agrapp.coa.gov.tw/resource/fjsp/index_1024.jsp

行政院農業委員會
Council of Agriculture, Executive Yuan, R.O.C

農業易學網
AGREDU.CO.A.GOV.TW

本網站系統問題反映專線
02-2383-1698分機12

網站導覽

- 電子報
- 學習資訊中心
 - 農民農業專業訓練
 - 農漁民第二專長教育訓練
 - 一般教育訓練
 - 藥毒所推廣訓練
 - 訓練單位簡介
 - 學員錄取查詢
 - 線上數位學習
- 農業人力資源
 - 受訓人才名錄
 - 農業經營顧問諮詢
- 相關網站

系統管理登入

帳號:

密碼:

* 一般欲參訓農友，無需申請帳號、密碼。

登入 清除 申請

近期課程 Recent Course

- 農民農業專業訓練 問題諮詢電話：049-2392380分機2425 受訓學員意見信箱
 - 重點切花栽培管理班 95年9月4日
 - 休閒農業經營育成訓練班(二) 95年9月4日
 - 有機農產品栽培技術研習班(三) 95年9月11日
- 農漁民第二專長教育訓練 問題諮詢電話：02-23126300 受訓學員意見信箱
 - 中籤廚師班 95年07月01日
 - 食品、西點烘焙班 95年07月01日
 - 地方(台灣鄉土)小吃班 95年07月01日
- 一般教育訓練
 - 北區農會電腦共用中心95年度電腦教育訓練視訊編輯--會聲會影軟體基礎班 95年08月31日
 - 北區農會電腦共用中心95年度電腦教育訓練數位相片編修--PHOTOSHOP基礎班 95年09月05日
 - 北區農會電腦共用中心95年度電腦教育訓練視訊編輯--會聲會影軟體基礎班 95年09月07日

台糖 訓練中心 農訓協會 廣播教學網 農企業 站 農業資訊 採用課程

網路網路

開始 950... 行... 200... 200... 200... 行... 歡... CH 桌面 100% 上午 12:34

Present status of major information networking system in Taiwan (cont.)

Agriculturalist Portal Network



Present status of major information networking system in Taiwan (cont.)

Taiwan Agriculture and Food Traceability System

臺灣農產品安全追溯資訊網 Taiwan Agriculture And Food Traceability System - Microsoft Internet Explorer

網址: http://taft.coa.gov.tw/index.asp?a=p&mp=1

臺灣農產品安全追溯資訊網

Taiwan Agriculture and Food Traceability System

消費者訪客人數: 49502

- 關於本站
- 最新訊息
- 認識產銷履歷
- 履歷大集合
- 優質農產品
- 國際食品追溯現況
- 相關連結

最新產銷履歷

- 南化果樹產銷第57班
- 高雄縣旗山鎮果樹產銷班第36班
- 巨農有機農場
- 兆豐農農股份有限公司 (鴻喜農場)
- 枋山鄉果樹產銷班第九班

更多

活動訊息

- 行政院農業委員會農產品產銷履歷資訊體系推廣說明會【本部】 2006/8/23
- 2006年國際時尚有機博覽會特別推薦產銷履歷農產

【台灣推動的食品可追溯體系】

推動食品可追溯體系已是全球的共識，旨在提高食品品質與安全，特別是針對生鮮食品。台灣推動此系統的目的在強化全球消費者對臺灣農、漁、牧產品的信心。

臺灣位於亞熱帶與熱帶的交界處，同時是具有高山地形的海島國家，因此臺灣的地理環境適於生產溫帶、亞熱帶，以及熱帶的各種蔬菜與水果。自二次世界大戰之後，至今六十餘年來，臺灣積極發展各種創新的農業技術，所生產的各種高品質農作物與加工食品聞名國際。為了在國內與國際市場上更有效地區別優質的臺灣生鮮農產品，以及將栽培資訊透明化，讓消費者清楚產品的本質、栽培過程，特別是農藥施用與殘留等資訊，臺灣政府與業者正在合作，積極建立可追溯的食品體系 (traceable food system) 以及消費者與生產者互信互賴的環境。

臺灣的食品追溯體系，是由政府輔導業者而共同建立。在生鮮食品方面，主要由行政院農業委員會策劃與推動，重點在於建立示範點，建立履歷與追溯作業的方針，以及統一的資訊作業平台，以協助農、漁、畜業從業人員能夠提供生產過程與流通過程的資訊，讓消費者查詢。在加工品與物流方面，則由民間業者自行推動，政府扮演鼓勵與輔導的角色。

臺灣自 1994 年便開始推動蔬菜水果的「吉園圃」標章驗證制度，此一體系可視為臺灣食品追溯的鼻祖。吉園圃農友必須針對生產的過程以及所使用的農藥與使用日期進行記錄，

產銷履歷查詢

請輸入產銷履歷號碼 查詢

推廣站台

- 花蓮銀川有機白米
- 石安牧場

Present status of major information networking system in Taiwan (cont.)

Animal Protection Info System



Present status of major information networking system in Taiwan (cont.)

Homepage of National Trail



Aspects in the future development

- In Taiwan, the computerization of FFAs were delaying, but they have gradually come up with other industries with **the support of government projects and the pressure of competition.**
- The leaders and employees of FFAs all can perceive that **the computer and information technology has brought them the strength for competition.**

Aspects in the future development (cont.)

- Due to the completion of the computerization of business practice in the FFAs, **agricultural administration anticipate FFAs can play a supporting role in the agricultural products traceable systems, which build up a complete food chain.**
- **FFAs will be responsible for supporting farmers using computer to keep the records including the process from producing to harvest.**

Aspects in the future development (cont.)



Aspects in the future development (cont.)



Aspects in the future development (cont.)



振信茗茶
蜜香烏龍

追溯號碼 551000211044626

包裝日期 2015/10/26

4 713327 501483

振信茗茶產銷班
茶葉

追溯查詢網：<http://taft.coa.gov.tw/>

**Trace Code =
“551000211044626”**

Aspects in the future development (cont.)

Trace Code =

“551000211044626”

The screenshot shows the Taiwan Agriculture and Food Traceability System (TAFT) website. The browser address bar displays <http://taft.coa.gov.tw/index.asp?a=dp&mp=3>. The page title is "Taiwan Agriculture and Food Traceability System". The main content area includes a "Trace Code Search" form with the input field containing "551000211044626" and a "Search" button. The page also features a "Latest TAFT Records" sidebar, a "Food Tracing in Taiwan" section with descriptive text, and a footer with sponsor logos (acer, AMD, Microsoft) and contact information.

Aspects in the future development (cont.)

The screenshot shows the TAFT website interface. A blue speech bubble on the left points to a farmer's photo, which is also circled in red. A yellow speech bubble on the right points to the examination results. A red circular stamp with the word "PASS" is overlaid on the results section.

Farmer "Mr. Chen"

Examined Result "NO chemical residue left"

PASS

Website details: Taiwan Agriculture And Food Traceability System - Microsoft Internet Explorer. URL: ...&ctNode=69&CtUnit=45&BaseDSD=26&htx_ResumeCode=197018&reB_SubQ_ResumeCode=197018&pagesize=1&htx_Ei...>移至 連結 >>

Food Traceability System

HOME > Trace and Track

Cultivation record

VIPS Code : 551000211044626

Info for communication

Brief introduction of farmer

- Name : 陳正河
- Place of Origin : 南投縣名間鄉
- Production Organization : 南投縣名間鄉特用作物產銷班第25班(振信茗茶產銷班)
- TEL : 04-92581119

Cultivation information || Cultivation record

After harvest || Examined information || Accreditation

完成 網際網路 下午 03:24

Aspects in the future development (cont.)

The screenshot displays the 'Taiwan Agriculture And Food Traceability System' interface. It features a navigation menu at the top and a main content area with two primary sections: 'Cultivation information' and 'Cultivation record'. A red speech bubble highlights the 'Cultivation information' section, and a blue speech bubble highlights the 'Cultivation record' section.

Cultivation information

Cultivation No. :	10044205100011
Producer :	陳正河
Identity :	Normal
Production Organization :	南投縣名間鄉特用作物產銷班第25班(振信茗茶產銷班)
Cultivation section :	南投縣名間鄉皮子寮段00600000號
Cultivation area :	0.164 ha.
Organic :	No
Crop(variety) :	tea(台茶13號)
Harvest :	Yes
Harvest Date :	2005/10/27
Preserve Days :	

Cultivation record

Date	Operation	Description	Memo (in Chinese)
2005/10/27	harvesting	harvesting	採收量：茶葉325.80公斤(kg) 作業內容：採收採收量：325.8公斤 很熱，做茶很辛苦。
2005/10/24	field management	irrigation	作業內容：灌溉
2005/10/22	arable land	sanitation	作業內容：清園(除草)



***THANK YOU
FOR YOUR ATTENTION !***