



Innovations for Telecenter Sustainability

-- Experiences in Chinese Taipei

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Outline

- **Problems encountered by Telecenters**
- **Experiences in Chinese Taipei – an Evolutional Process**
- **Conclusions**



Problems Encountered by Telecenters

- **Discontinuity of budget support for system upgrading and training materials**
- **Discontinuity of technical and maintenance support**
- **Lack of link to the daily social and economic life**
- **Lack of focus in the telecenter**





Experiences in Chinese Taipei

-- an Evolutional Process

- **Promotion of Digital Concept and Knowledge**
- **Establishment of Digital Environment in rural areas**
- **Integration of Digital Applications**





Promotion of Digital Concept and Knowledge

- **Run IT Tradeshows Island wide**
 - Focusing on Rural Areas: Tainan, I-Lan, Chai-I, etc.
- **Set up Training Courses: Computer, IT and Internet**
- **Host E-commerce Seminars for traditional industry & Demonstrate Successful Cases**
- **Highlight E-commerce Implementation**
 - Selling farm products (goods from earthquake damaged areas and remote villages)





Demo sites

Digital Aquarium



Digital Car Racing



Establishment of Digital Environment

- **Establish Public Computer & Internet Access Points**
- **Provide Public with Basic Computer Training skills**
- **Train Volunteers to Support & Maintain local Com. Network**
- **Install user-friendly e-learning system to train on IT, Internet, Int'l languages, Health, ecology, etc.**



多事者(11)

銷直路網 梨水岡石 建重業產

梨姬月盒百購訂先率盟全 站開「館菜果民農岡石一二九」



楊望希，站開站網「館菜果民農岡石一二九」，民農區建重助協了為。建重業產助幫，梨水銷直路網。影攝／重建社者記。

的原始模式。不過，這樣的直銷也給地方產銷生機帶來衝擊。陳錦煌說，「令人難過的是，今天石岡農會沒有來參與」，據他所知，重建區鄉互部落原住民女作家透過網路協助農民直銷當地的甜柿，也導致傳統農會不滿。但陳錦煌說，農民直銷這條路是一定要走的，就靠大家撐場。

於是在農會系統之外，石岡農民在五月底自行成立了一「石岡果菜生產合作社」投入網路直銷。在昨天的網站啟用儀式中，由合作社農民代表把前賣的水梨穿過電腦模型螢幕交到第一位顧客謝國興手中。台中縣長廖水來也透過代表宣布認購一百盒，完成第二筆交易。更後近兩年投入石岡重建的石岡工作站副站副站長表示，去年與石岡農會合作透過傳真、口耳相傳、電子郵件等首次直銷水梨，建立了三百六十二名「九二一愛心種子」與兩千多名消費者名單；今年在實策會協助下，今年預計石岡水梨的直銷量約一千萬元，會是去年的兩倍以上。

盧思岳說，網站的特色不只是買賣便利、價格便宜而已，內容還有石岡的自然人文風情、月姬梨的成長、石岡的重建願景等等，等於是一「網路上的社區總體營造」，歡迎大家網上見。網址是：www.921farm.com.tw

「記者梁玉芳／台北報導
一九二一震災後，第一個針對災區農產品建置完成的電子商務直銷網站「九二一石岡農民果菜館」昨天在實策會宣布開站。全國民間災後重建聯盟執行長謝國興表示，他代表全盟召集人李遠哲致意，全盟率先訂購一百盒名叫「月姬梨」的水梨，成為九二一果菜館網站的第一位顧客。

最大難題就是「重建區外的人已對九二一沒感覺」。他呼籲，不必再捐錢，只要支持重建區的農產品，重建他們的經濟和生活，產業重建、家園重建才有希望。

行政院政務委員陳錦煌昨天也特別來觀禮，出身地方文史工作的陳錦煌說，農村產銷是農民最大難題，重建區要站起來不是靠悲情，而是靠科技；如今「電子商務」取代農民站在公路邊擺攤

謝國興說，災後重建目前

是

Training Program for Volunteers





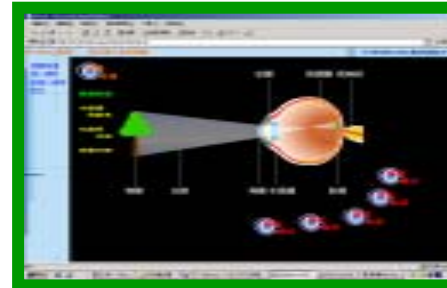
Adaptive Teaching Materials

1) Features

- Using multi-media and animation technology, easy to use, interesting and motivating.
- Course content can be produced on-site or off-site, emphasizing structure and process.

2) Category (cooperate with industry)

- A. Computer and Information Technology
- B. International Languages - English and Japanese
- C. Health Caring
- D. Music
- E. Natural Science
- F. Ecology
- G. Environmental Conservation





Chungliao DOC



**Handicap
Access**



**Computer
Training Courses**



**Grand Opening
September 21, 2004**





Chungliao DOC

Chungliao DOC Networking of 7 Villages in Chungliao Township, Nantou County



1	數位機會中心	龍眼林福利協會
2	產業民宿點	聚落植物園區
		下水堀農場
		清城農莊
		月桃香農場
3	景點	龍鳳瀑布
4	社區活動中心	永和社區
		永芳社區
		龍岩社區
		爽文社區
		內城社區
		清水社區





Yulan Village

Yulan Village at Datung Township – I-Lan

- Small village, 40 households, 200 residents. Tea Planting, Tourism Agriculture major economic development
- A Digital Self-Learning System was installed on August 23, 2002 with a configuration of one server and 4 PCs linked with LAN
- 14 more Computer and Internet Resource Centers were established by I-Lan County Government at other villages in 2003





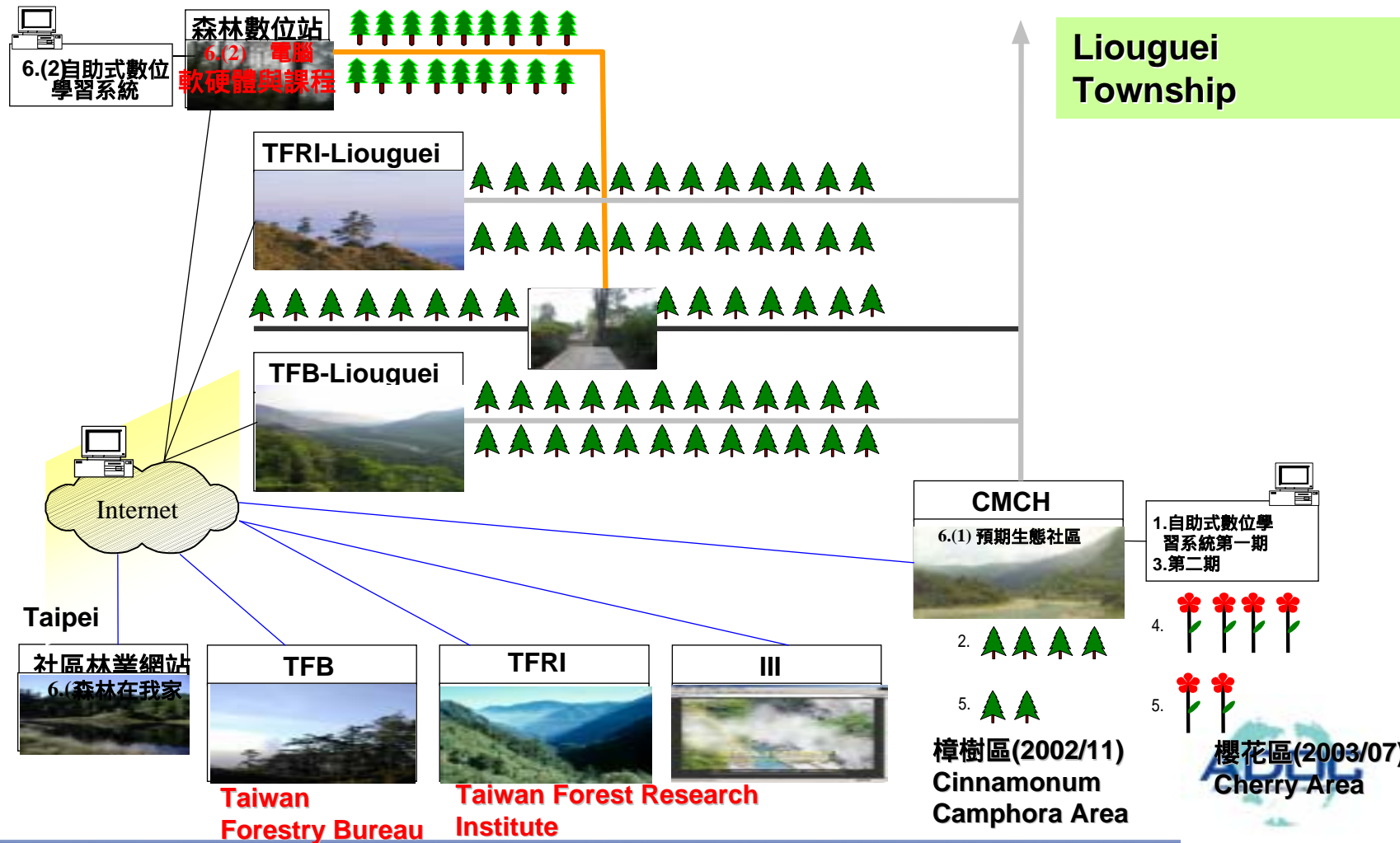
Integration of Digital Applications

- **Education: To improve education quality in village**
 - Conduct computer assisted science courses in elementary school
- **Economy: To improve individual economic capability for residents of villages**
 - marketing and selling agricultural products through EC
- **Environment: To establish digital infrastructure**
 - Establish a public computer service center with computers and e-learning system installed and can be accessed by public for free
 - Provide basic computer and Internet training for villagers
 - Provide used computers with software and applications
 - Volunteer training program for hardware maintenance and networking



Liu Guei Digital Forest Station

Digital Forestry Station





Conclusions





Key Successful Factors of Sustainability

- **Technical Support:**

Solve the problems of acquiring, using and maintaining computers and internet for community residents

- **Integral applications:**

Help improve the economic and educational environment

- **Wider coverage:**

Help establish a digital living environment for students, teachers and householders





Review from 3 Angles

- **The role and positioning of Telecenter itself**
- **The role and functions of Service providers**
- **The role and expectations of donors and/or governmental agencies**





Key Successful Factors of Sustainability

- Bridging digital divide has to be based on the local culture and brings the benefit for the livelihood
- Combining the force from digital service team, volunteers and local enthusiastic residents together will be an important key successful factor
- Using “**Digital Priority Area**” concept to integrate all resources will bridge digital divide comprehensively and efficiently.
- Donation is transient; the permanent way of bridging digital divide in remote areas is to assist community residents to make their livings by using digital information technology

Digital priority area: the area where all possible resources being allocated to and integrated based on the local needs, then expanded to villages in the vicinity.





Belief

Motives involved in the operation of Telecenter:

- **Initiate by the concept of expanding public warfare for the community**
- **Sustain by the drive of making profit for the service provider**





~Thank You~

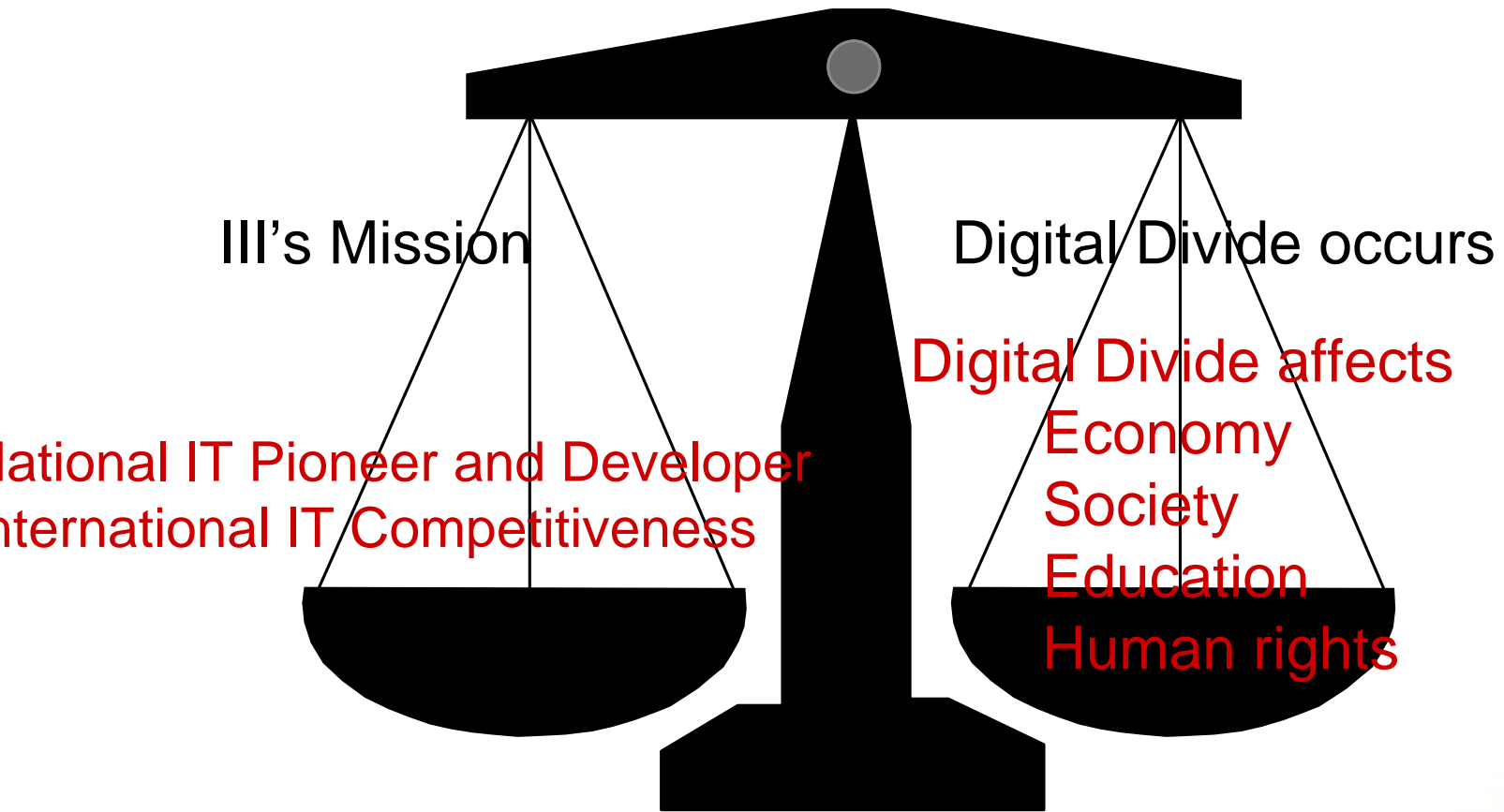


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III's Role and Mission



Bridging the gap to include everybody in the information society and ensuring balanced development

