領袖分享:訊息工程的趨勢及香港的機會



Dr Winnie Tang, JP Chief Executive Officer ESRI China (Hong Kong) Ltd.

IE Leadership Camp 2010 June 22





What GIS means to me ...

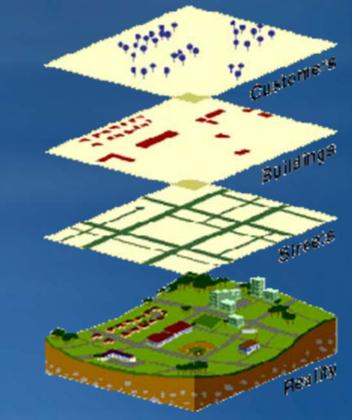
What GIS is for?

SERVING OUR WORLD

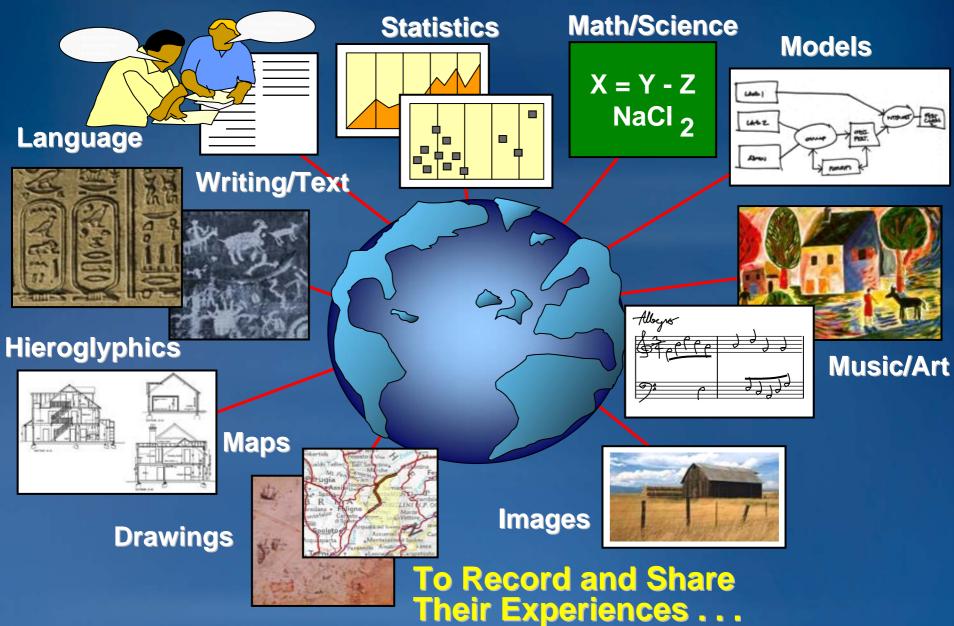
GIS Combines

 Layers of information about a place to give a user a better understanding of that place





Humans Use Abstractions



Challenges for our Global Society

Increasing Population Consumption Land Use Pollution Declining Resources • **Diversity** Natural Areas

GIS Plays A Major Role

Natural Resource Accounting

Africa Food Balance



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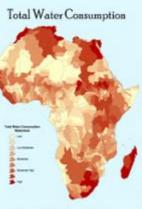
Total Food Supply





Grand Water Sample





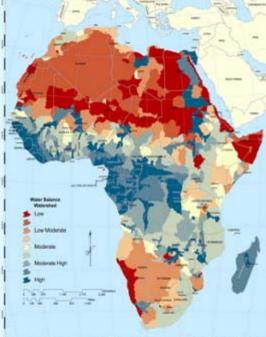
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Total Water Supply



Africa Water Balance



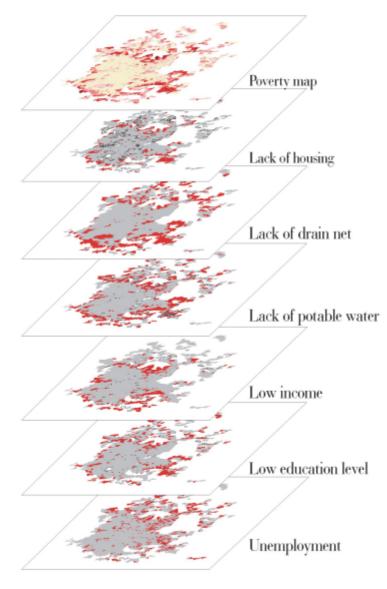
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Overlay analysis of Urban Poverty in Mexico City



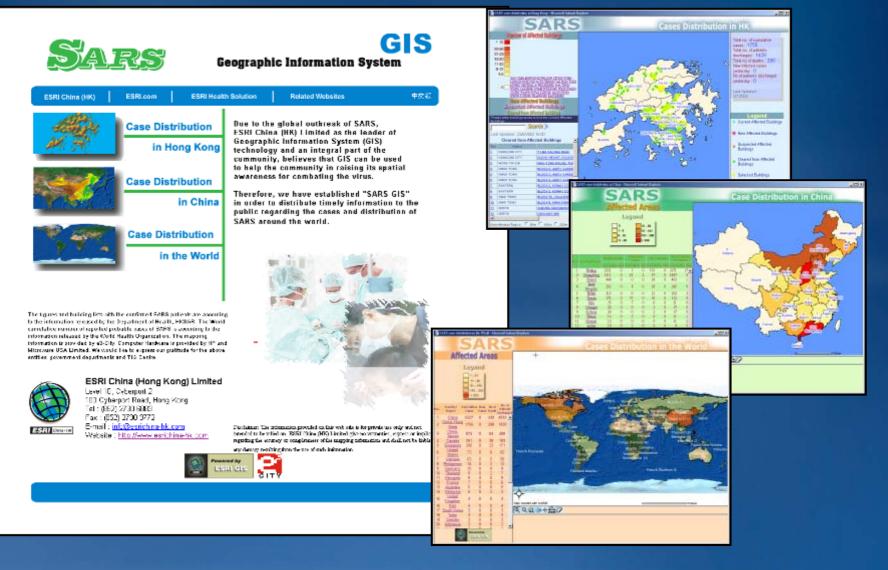
Poverty Indicators



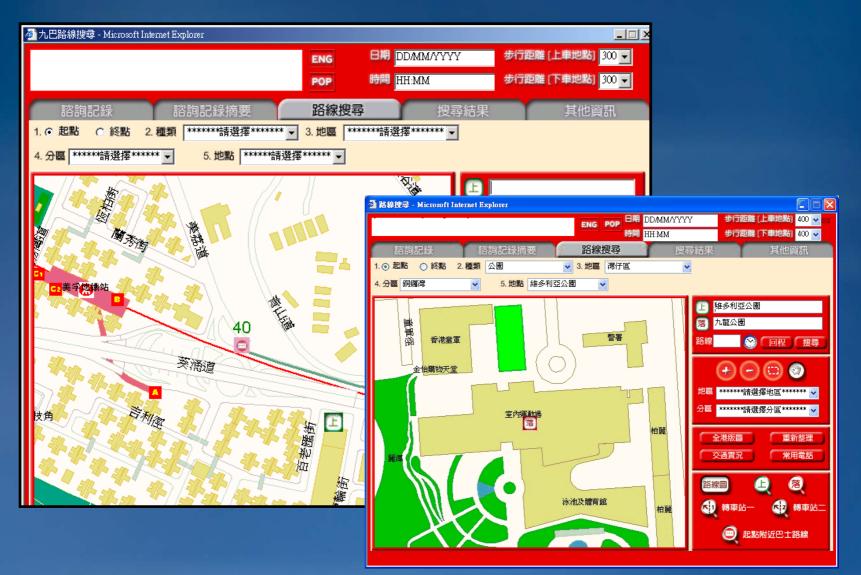


My belief: "GIS is for a better world and use of resources via better information management" "The application of GIS is limited only by the imagination of those who use it"

SARS Mapping Web Site



Passenger Hotline Enquiry System KMB (Award Winning)

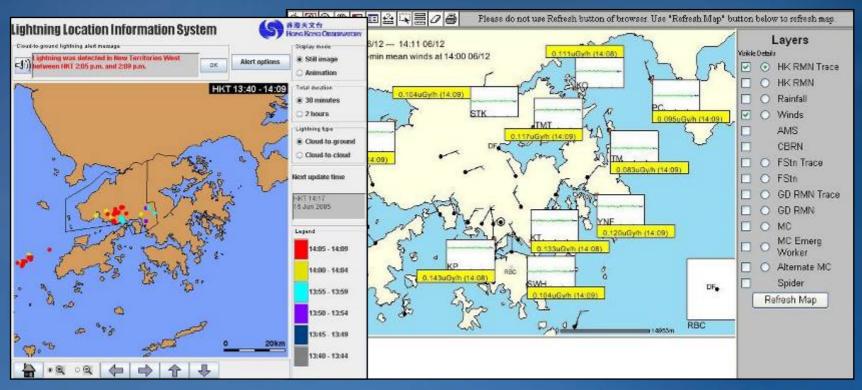




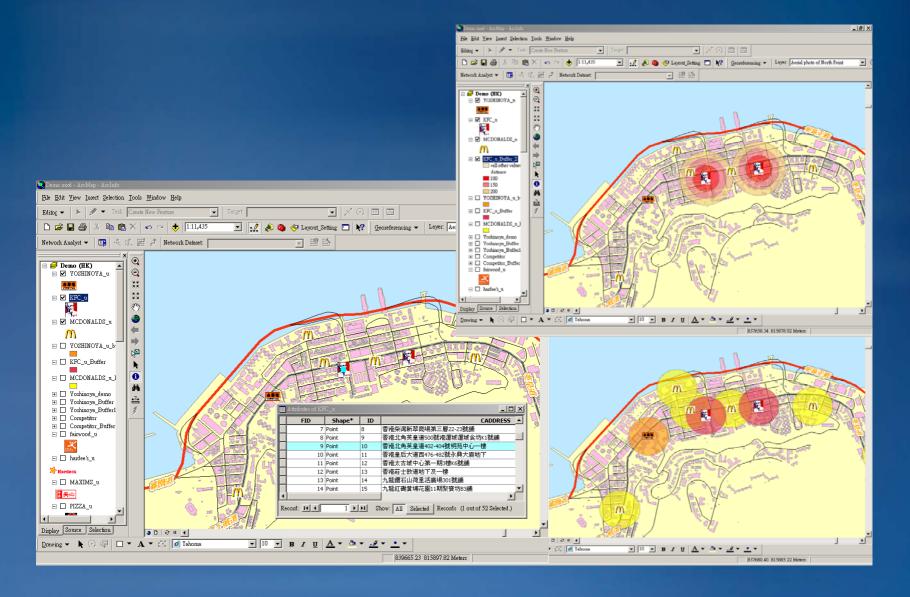
Hong Kong Observatory

The Government of the Hong Kong Special Administrative Region

- Emergency Radiation Data Monitoring System (ERDMS)
- Lightning Location Information System
 - (Won HKICT Award)



Site Locator and Selection – KFC



Interactive Directory for Shopping Malls -Cyberportal



Different Applications of GIS



Now it's your story... Job vs. Career

Need more understanding...

Understand the Market

Do I fit in?

Understand the industry

Understand Yourself

Step in your Desired Industry



Hong Kong – Digital Hub in Asia

Did you know Hong Kong is

- The first city in the world to feature a fully digitised fixed telephone network;
- Well-networked, broadband penetration rate is among the highest in the world: 76 per cent of households use broadband service;
- Well-protected in Intellectual property; software piracy incidents are among the lowest in Asia

International ICT Ranking

Hong Kong ranks...

- 8th globally for e-readiness (EIU survey 2009), thus creating a promising market for e-commerce and related service providers
- 12th globally in Networked Readiness Index 2008-09 (Global Information Technology Report by World Economic Forum)
- 8th globally in Digital Opportunity Index (ITU, 2007)
- Preferred location for holding major international IT events, e.g. ASOCIO ICT Summit 2008

Success in Bridging Up with International Organizations

 iProA entered into an agreement with the Royal Institute of Technology to be the Joint Promoter of the Stockholm Challenge Award 2008







 iProA was appointed to the Experts Panel of United Nations' World Summit Award (WSA) as well as served in the Grand Jury representing Hong Kong and China.





Cutting Edges in ICT

Infrastructural Advantages

- Fully liberalised telecom sector and advanced telecommunications networks
- Regional hub for data centres and company's servers. Hong Kong has the infrastructure and connections to service the world
- Bilingual capability & close linkage with China business
- Free flow of information

Internet and Mobile Usage

The introduction of **Broadband Wireless Access** Services creates business opportunities for wireless fixed and mobile service providers.

The use of Wi-Fi and **3G** services have been growing in popularity and is very affordable.

- Mobile subscriber penetration rate: 167%
- Mobile subscribers: almost 12 million
- Mobile Network Operators: 5
- 2.5G and 3G mobile subscribers: over 4 million
- Household broadband penetration rate: 78%
- Public Wi-Fi access points: over 8,500

China Strategic Focus on ICT Development

China's IT market is growing rapidly together with its economy

- Market size of software and information service is Renminbi(RMB) 480 billion in 2006, growth by 22.9% in a year.
- The market of Software and Information Services / Software Export amounted to USD 6.06 billion, growth by 68.8% in a year.

China's 11th Five-Year Plan

• Emphasis on "autonomous innovation" and the need to expedite the building up of the national innovation system, represents a golden opportunity for business and collaboration

Working in Complement – Hong Kong Government ICT Initiatives

CEPA Facilitates Hong Kong Business Entry into Mainland Market

- Computer information system integration (SI) qualification certification
- Internet culture business units and internet online service business premises in the Mainland
- Framework for the mutual recognition of digital signature certificates between Guangdong and Hong Kong – Pilot Schemes developed by both sides for mutual recognition

Government Support for local innovations



Innovation and Technology Commission The Government of the Hong Kong Special Administrative Region Encourage and assist companies to upgrade their technological level and introduce innovative ideas to their businesses

- The Innovation and Technology Support Programme (ITSP)
- Guangdong-Hong Kong Technology Cooperation Funding Scheme (TCFS)
- The General Support Programme (GSP)
- GSP Internship Programme
- GSP Patent Application Grant
- The University-Industry Collaboration Programme (UICP)
- The Small Entrepreneur Research Assistance Programme (SERAP)

Government Supported Infrastructure Cyberport

- A 24-hectare US\$2 billion project funded by Hong Kong SAR Government
- Essential infrastructure for a strategic cluster of ICT and digital content companies
- The Hong Kong Wireless
 Development Centre in Cyberport
 provides a central platform for
 development, testing & marketing of
 innovative mobile applications and
 services
- Major tenants included Microsoft, CISCO, HKCSL, PCCW, Eurosport, TV5 Monde, Sybase, etc



Government Supported Infrastructure Hong Kong Science Park

- 22- hectares hi-tech park
- Focus on material science, biotech, electronics, Chinese medicine and IT/telecom
- State-of-the-art equipment and facilities shared by tenants for product/process development, testing, analysis and characterisation
- R&D base for big and small technology companies including DuPont, Philips Electronics, TDK, etc.



 Clustered with local universities, other science Parks in the Mainland and international technology organisations

Cross-sectoral collaboration by ICT Associations

About iProA ...



Internet Professional Association (iProA) A non-profit making professional organization found in 1999

iProA has: Over 2300 members 30 Council members 103 Executive Committee



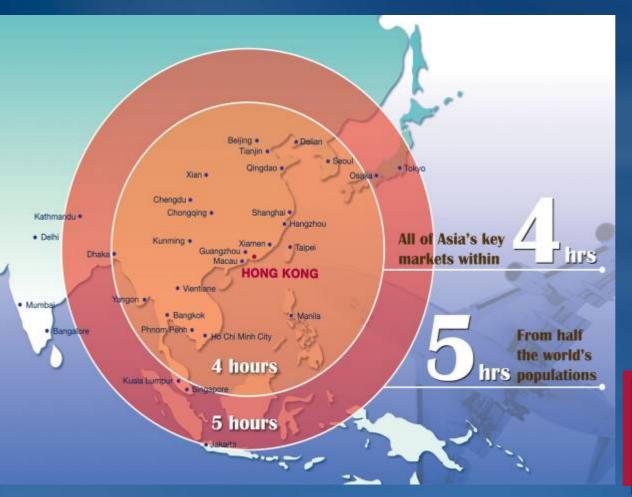
iProA works towards

- Improvement of professionalism of information technology practitioners
- Encouraging IT professionals in sharing social responsibility
- Bridging the digital divide in Hong Kong

Hong Kong's Enduring Advantages More Important than Ever

- Strategic Location Heart of Asia & Gateway to China
- One Country, Two Systems: A Stable Society
- Stable, Low & Simple Tax System
- Asia's Regional Finance Centre
- Cosmopolitan Lifestyle: Easy Living Environment

Hong Kong's Strategic Location: Gateway to China & Heart of Asia



New Markets & Customers

- Easy access to highgrowth economies
- High demand for foreign products & services

Low-Cost Production & Sourcing

 Major production centres in China, Vietnam etc.

Half the world's population within five hours flight time!

21st Century: Age of Information Sharing

20th century



19th century













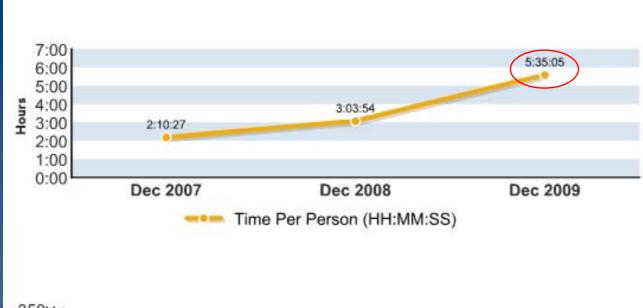
The world you grow up in

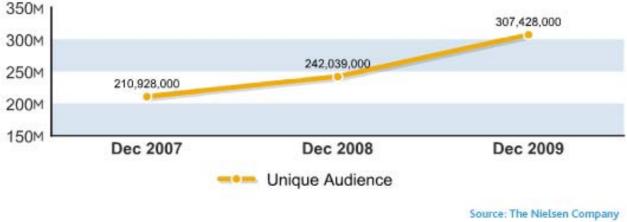
a world with diverse Internet resources, iPods, Facebook and intense multi-tasking — simultaneously chatting on MSN, finishing a problem set, watching television and listening to music. These kids are the kids of the Baby Boomers, heavily immersed in a digital world.

How to tap your characteristics to develop potential to the full?



Global Web Traffic to Social Networking Sites





Dec 2009 Global Measures 5.5hrs on soc. networks, 6hrs on facebook Blogs & soc. networks are the most popular

Social Media – collaborative learning



YORKU CSE 1030 WINTER 06/07 WEDNESDAY, MAY 9, 2007 BLOG ARCHIVE ▼ 2007(53) Last chance to see your exam ▼ May (1) exams go in for archiving at the close of business on Last chance to see your exam day, May 10. ANDREW ECKFORD AT 5:03 PM 1 COMMENTS April (10) ▶ March (15) February (12) MONDAY, APRIL 30, 2007 ▶ January (15) Final marks 2006 (1) Final marks have been posted using courseInfo Some things to remember: ABOUT ME ANDREW ECKEORI 1. These marks are unofficial until approved by the department. VIEW MY COMPLETE PROFILE 2. If you want to see your final exam, please make a request at the department office (CSEB 1003). I no longer have copies of your exams. UPDATE: To take some load off the department office. I will be

taking the exams back. Let me know if you want to see your exam

- Add a blog to the standard course website
- Communicate day-to-day details of the course
- Form a vibrant learning community for students and teachers

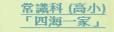
Knowledge Exploration



世界博覽(世博)是全球最大型的綜合展覽會,始於1851年英國倫敦,至今已超過150年歷史,2010年上海世博共有 192個國家和50個國際企業參與,是各國展現人類精神文明的全球盛事。

世博對人類的發展帶來甚麼影響?中國主辦世博對政治和經濟發展有何意義? 作為地球村的村民,我們應如何回應世 博?

請從下列選擇所屬學習領域和程度,探討世博對人類文明及全球發展的意義。



個人、社會及人文教育(初中) 「從上海世博出發」



Achieve Good Social Cause

民間災情網路中心

[2009/10/02] 應屏東縣政府請託,義務協助提供即時資訊的網路服務

目前動態

[以下為民間災情網路中心工作人員與屏東縣災害應變中心直接發佈官方訊息,並同時彙整推特、PTT 及媒體報導之風災相關訊息,同步發佈於推特帳號@taiwanfloods,推友回報相關訊息請RT此帳號, 並請務必加上 #taiwanfloods Hashtag 標籤,以加速我們收集訊息的效率]。(2009/10/02)

訊息閱讀說明:

[中央應變中心]:代表來自中央政府災害應變中心所提供的官方訊息。

[屏東應變中心]:代表來自屏東縣政府災害應變中心所提供的官方訊息。

[縣市]:代表縣市地方上的非官方訊息。

未加[]:代表網路上其他單位公告之訊息。

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 ● (thecarol @attemborough @indigo351 @kengao @garykb8 @jchristabelle @savesaturn @sunline @kovis @bamobeni @shirleyhsu @EbiTasha 謝謝大家 (大叔一推) October 24 from from:taiwanfloods - Twitter... - Comment

 @infilmity @KentLi @purebox @pipperl @aikenlin @tzangms @alice425 @icathy @hypnotist @aikenlin @tenz @主龍 @Barking @jenhsiou 感謝 ! (大叔再推) October 24 from from:taiwanfloods - Twitter... - Comment

 10061300 [屏東應變中心] 因應芭瑪颱風陸上警報解除,屏東縣災害應變中心自此時起轉為二級 開設,但相關單位仍須保持通訊暢通。#taiwanfloods #parma #melor #Pingtung [責任編輯:邱 近鋒] October 6 from from:taiwanfloods - Twitter... - Comment

10061205 [屏東應総由心] 索会鄉伊拉通捧宕部份通道这些,封鎖由, 」 吕连櫟目结会由, 俟少



天佑台灣

How do you fit in?

Understand yourself
Understand the industry



Understand Yourself

- What is your life goal?
- What is career goal?
- What is your personality?
- What are your interests?





What are your strengths?Qualifications

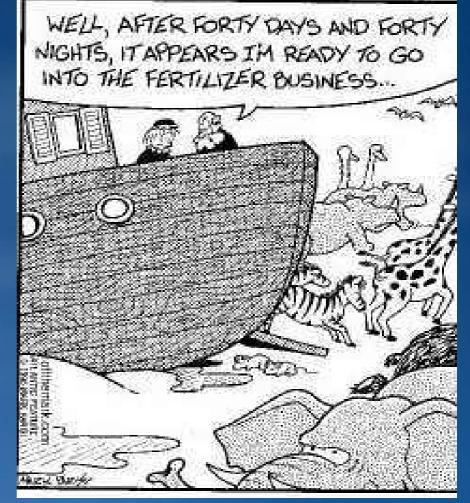
- Language skills
 - Leadership / interpersonal skills

Work / Volunteer Experience

Understand the Industry

- Evaluate the prospects of the industry and the development ladder of the career field
 - To understand the experience and personal qualities of the people in that field

 Find a niche in the industry, do not go with the flow



Understand the Requirement Difference between You and the Industry

- Taking time to discover and develop your key strengths and skills
- Talk to people who work in your desired industry
- Develop an approach that markets your key strengths and makes you standout from the crowd



hree Key Ingredients for Success Passion, Persistence Be Creative!

Beyond the business...



Industry

Education

Community





Choose Your Ideal Career

 Now you know what you offer to the job market and where you're headed in the future...

Do:

- Find the job functions, industry sectors and companies that may suit you
- Choose the jobs that will be playing to your strengths and experience
- Set yourself a realistic timeframe and stay positive





Don't

- job-hop for higher salaries only. It only gives negative impression to employers
- be afraid to make mistakes or get turned down by the prospective employers

Looking Forward

ICT Supports Hong Kong Key industries

4 Pillar Industries

- Financial services
- Logistics
- Tourism
- Business support and professional services.

6 Economic Areas

- Testing and certification
- Medical services
- Innovation and technology
- Cultural and creative industries
- Environmental industry
- Educational services

Growth for Hong Kong and Mainland China ICT market

- Hong Kong IT Market is expected to achieve steady growth to reach US\$5 billion in 2012, representing a CAGR of nearly 5% (HK IT Report 2009, Business Monitor International)
- On the Mainland, double digit growth in IT spending is expected to be generated from major infrastructure projects and vertical sectors. Analysts predict that IT spending in China will reach US\$51.2 billion in 2009 (Springboard, 2009)

Last Recommendations

• Where there is a will, there is a way

• Diligence is the mother of success



MY SCAN SHOWS A HOME THREE HUNDRED METERS AT HEADING ZERO THREE NINE THAT WOULD BE JUST PERFECT FOR YOU.

Good Luck

Thank You

Dr. Winnie Tang, JP

om

Chief Executive Officer ESRI China (Hong Kong) Ltd.

Email: <u>wtang@esrichina-hk.com</u> Website: www.winnietang.hk