

**Asia Green IT Forum 2011 and
International Green Business Symposium 2011
Seul, 27,28/10/2011**



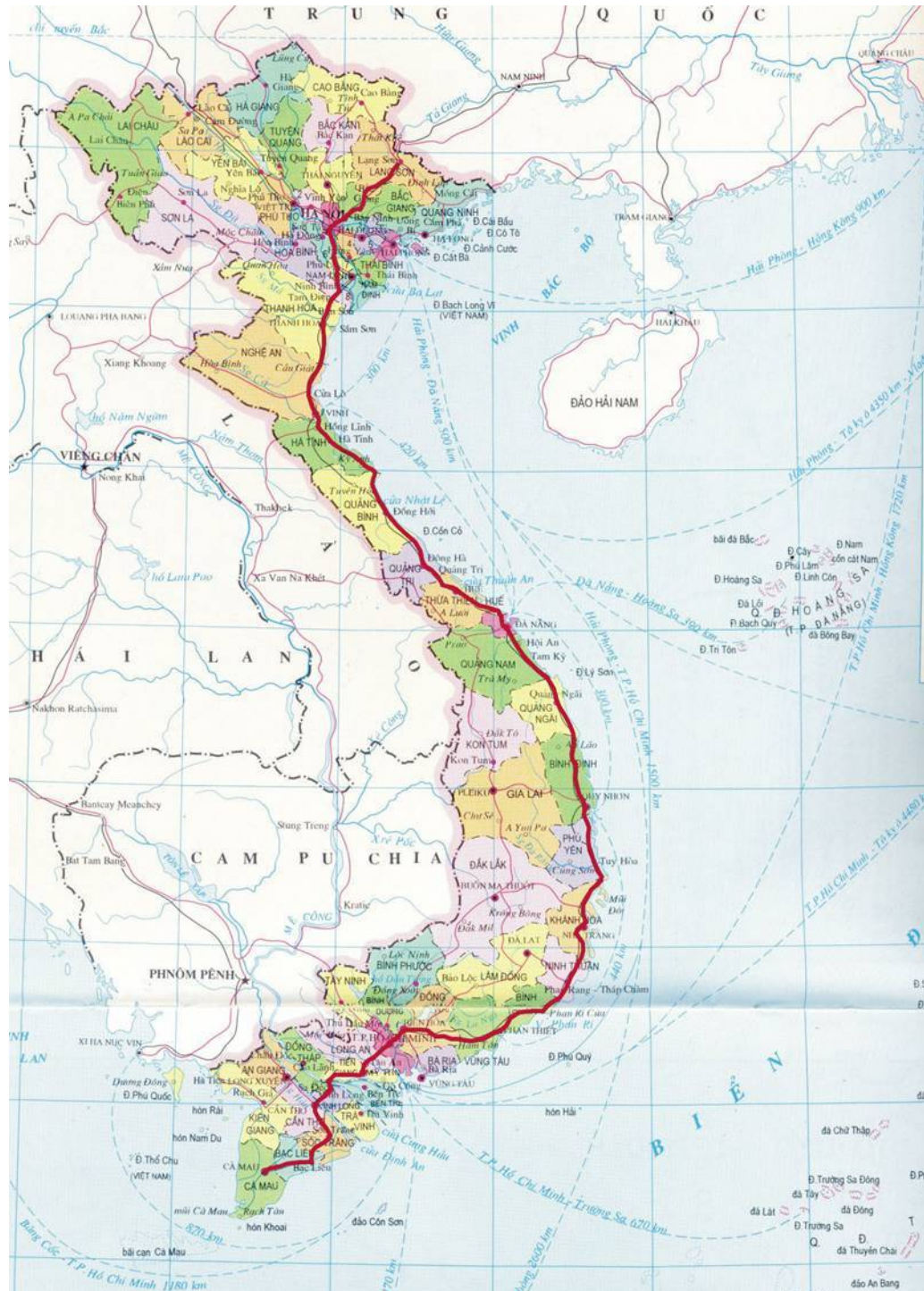
ICT and sustainable development in Vietnam

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Contents

- Challenges to sustainable development of Vietnam
- Strategy on ICT for sustainability





Country Background (2010)

- Area: 329,560 sq km
- Population: 87 million
- Literacy: 90.3%
- GDP: \$104.6 billion
- GDP Growth rate: 6.78%
- FDI: \$17.23 billion
- Language: Vietnamese

Challenges to sustainable development



Population growth



POPULATION GROWTH IN VIETNAM IN A CENTURY







Strategy on ICT for sustainability

"IT use shall be increased in every sector. It must become one of the most important factors of socio-economic development." (Directive 58-2000)

"IT industry shall be a spearhead economic sector... The share of IT in national GDP shall grow over time" (Directive 58-2000)

ICT's legal framework

Legal documents

effective date

Information technology Law
& Decrees, Circulars detailing the Law

1/1/2007

Intellectual property Law
& Decrees, Circulars detailing the Law

1/7/2006

Electronic transactions Law,
& Decrees, Curcumas detailing the Law

1/7/2006

Telecommunications Law
& Decrees, Circulars detailing the Law

1/7/2011

Radio Frequency Law
& Decrees, Circulars detailing the Law

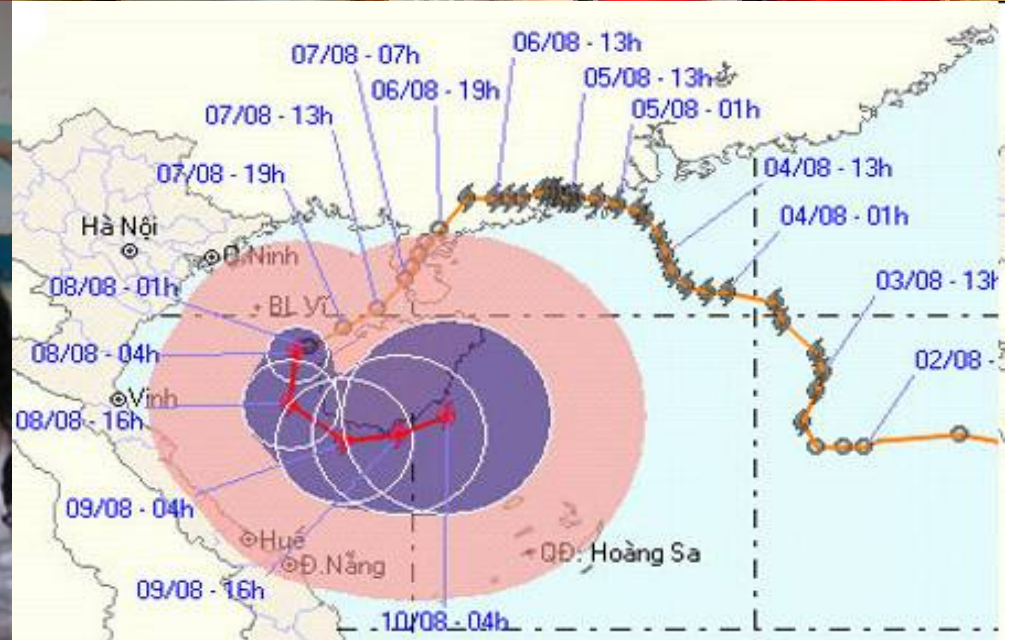
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Policies to promote ICT

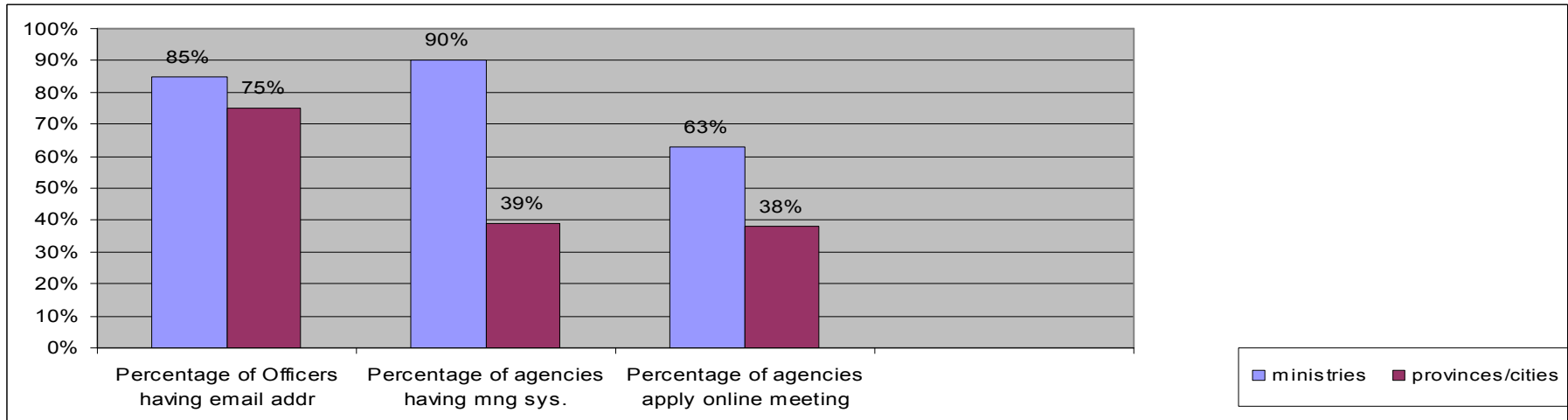
- ❖ Decision No. 1755/QĐ-TTg dated 22/9/2010 approved National Strategy on “Transforming Vietnam into an advanced ICT country”
- ❖ Decision No. 698/QĐ-TTg dated 01/6/2009 approved Decision No. 698/QĐ-TTg to approve General Plan on IT HR development up to 2015 and toward 2020.
- ❖ Decision No. 1605/QĐ-TTg dated 27/8/2010 approved National Program in usage of IT for government bodies 2011 – 2015.

ICT as enabler

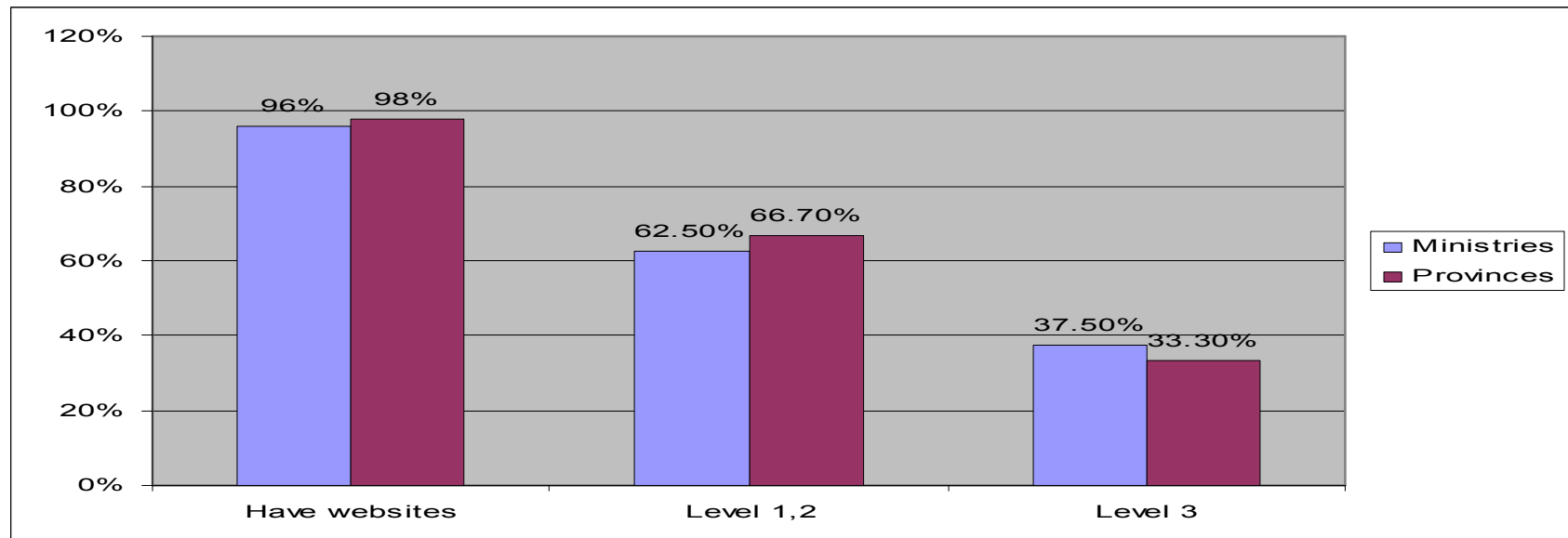


IT Usage

IT Usage for Public Administration (2010)



IT Usage for Citizens and Enterprises



E-government

1. Delivery of services to citizens and businesses
2. Improvement of the management capability of governmental agencies
3. Building infrastructure for e-government
4. Development of human resources for e-government

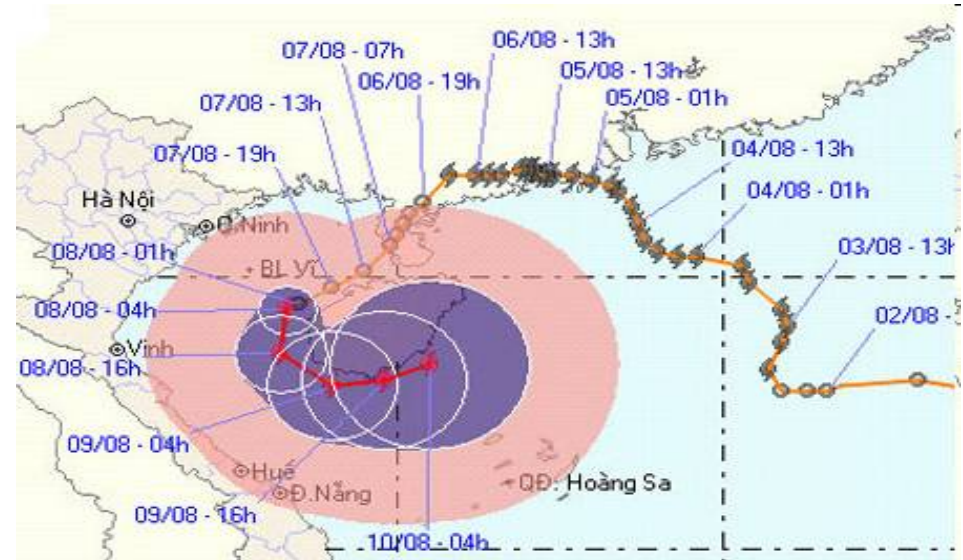


ICT for agriculture and rural development

- Entertainment
- Information about job
- Information about technology, and new products
- Information about market and price
- Weather forecast
- Learning opportunity
- Health service
- Government policy

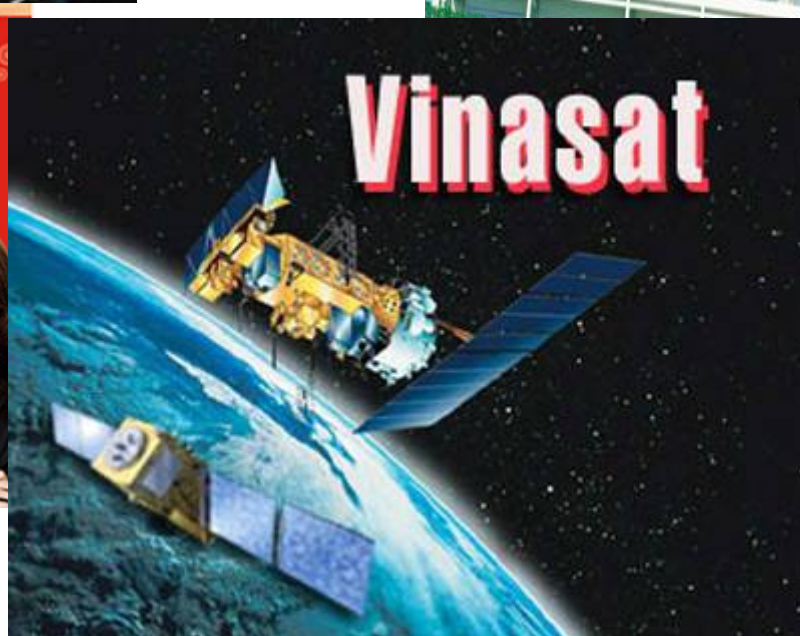


Environment and natural resources management by ICT



- ICT (GIS) for management of:
 - environment & natural resources, e.g. land, water, sea, forest, minerals
 - Pollution
 - Natural disaster mitigation
 - Climate change
 - Urban planning and management

ICT as a sector



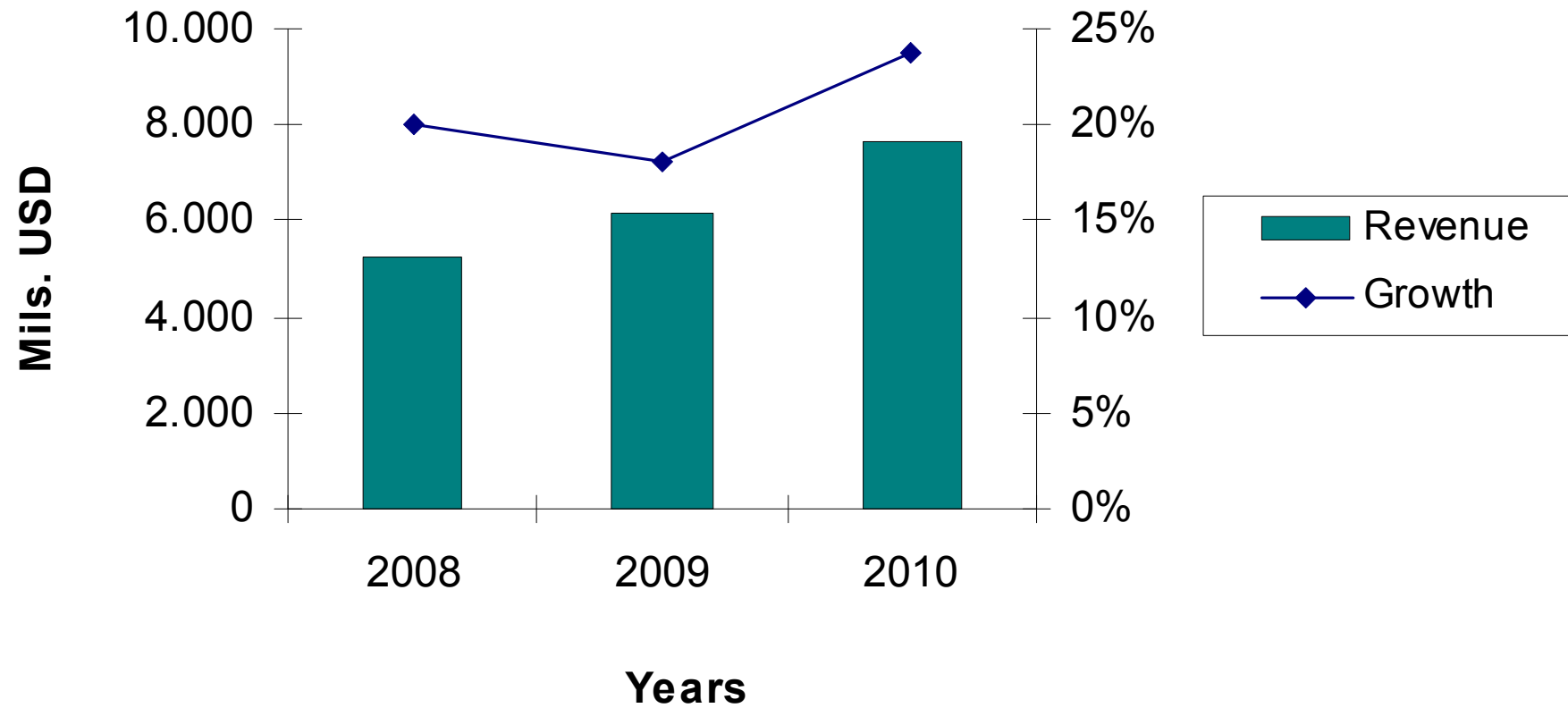
IT Industry Objectives by 2015

- **Targets up to 2015**
 - Reach USD10 - 12 billions/year in term of IT industry revenue.
 - Develop a number of made-in-Vietnam products for local market and export.
 - Form a number of software enterprises of ASEAN's regional level
- **Directions toward 2020**
 - IT industry revenue will reach USD 16 - 18 billions/year.
 - Local enterprises will be capable to research, design, and manufacture hardware products and aggressively join into global value chain.
 - Form a number of strong software enterprises which will be operated globally.



IT Industry

IT Industry Revenue

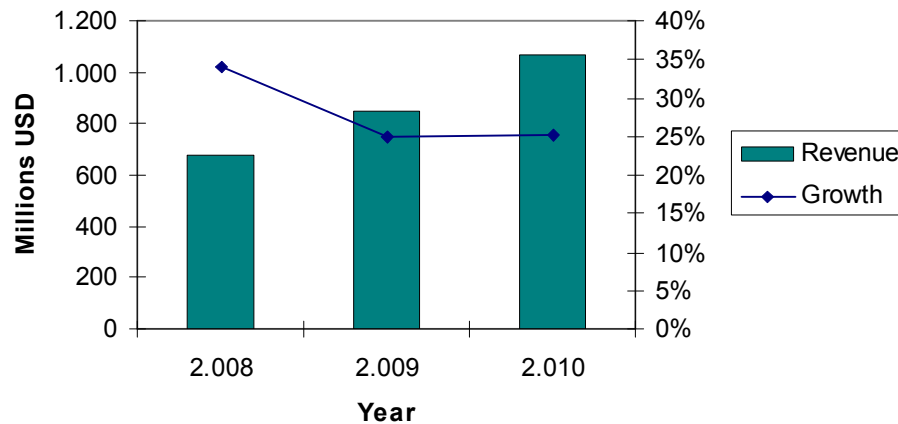


Hardware, Software and Service Revenue

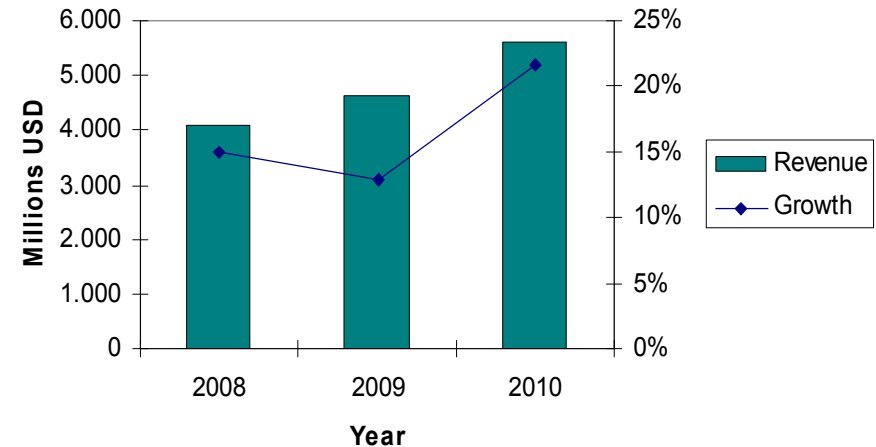
Software and Service 2010 Statistics	
Total Revenue (Millions USD)	1.064
Number of Employees (persons)	71.814
Average of revenue per employee (USD/person/year)	14.816
Average of wage (USD/person/year)	5.123
Export (billions USD)	372

Hardware 2010 Statistics	
Total Revenue (Millions USD)	5.631
Number of Employees (persons)	127.548
Average of revenue per employee (USD/person/year)	44.148
Average of wage (USD/person/year)	2.201
Export (billions USD)	3,6

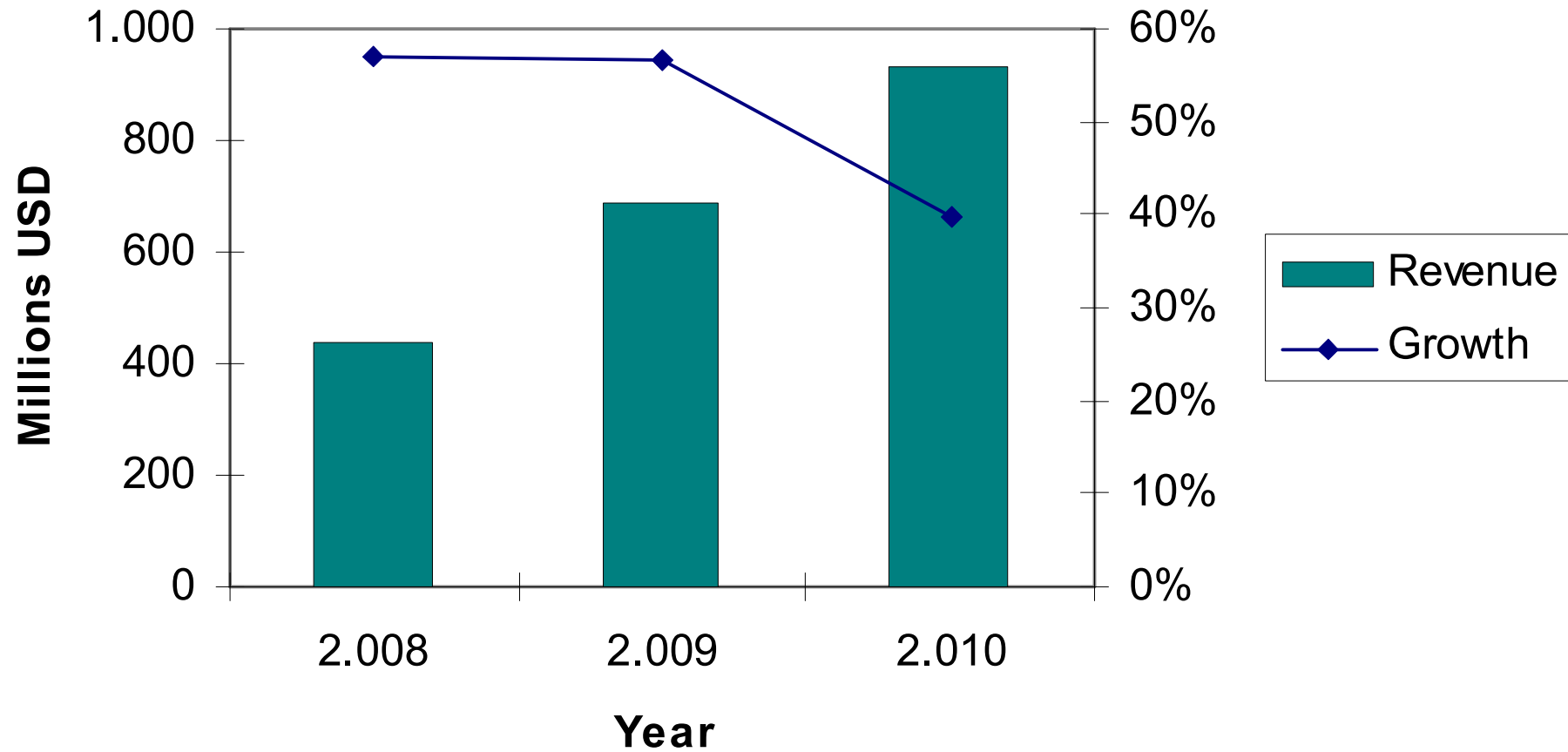
Software and Service Revenue



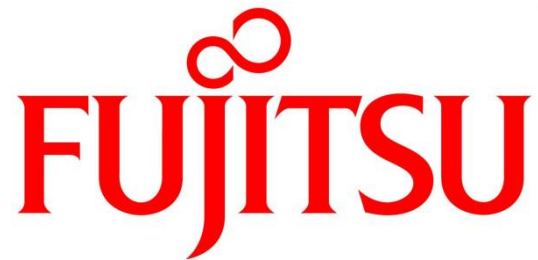
Hardware Industry Revenue



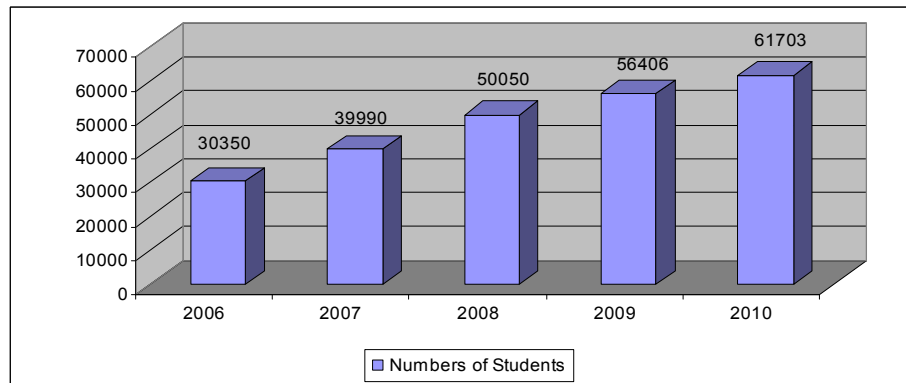
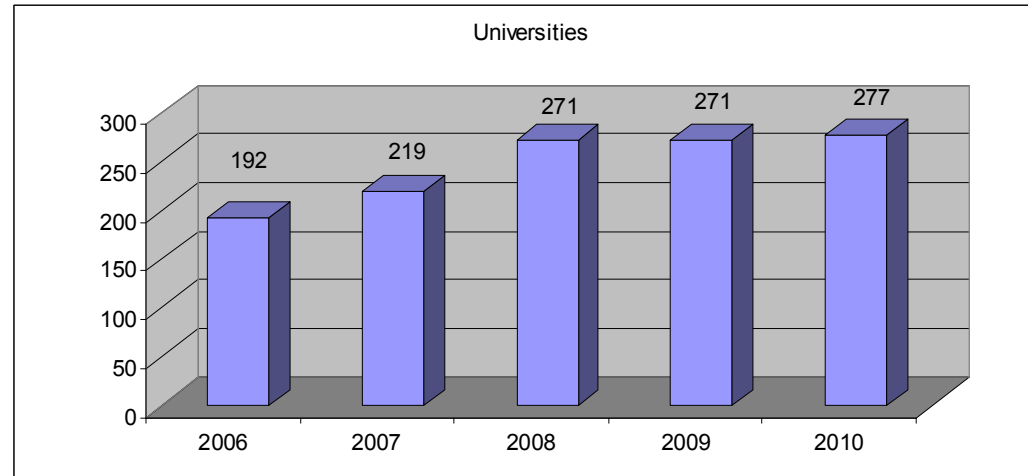
Digital Content Industry Revenue



IT public demand and investment

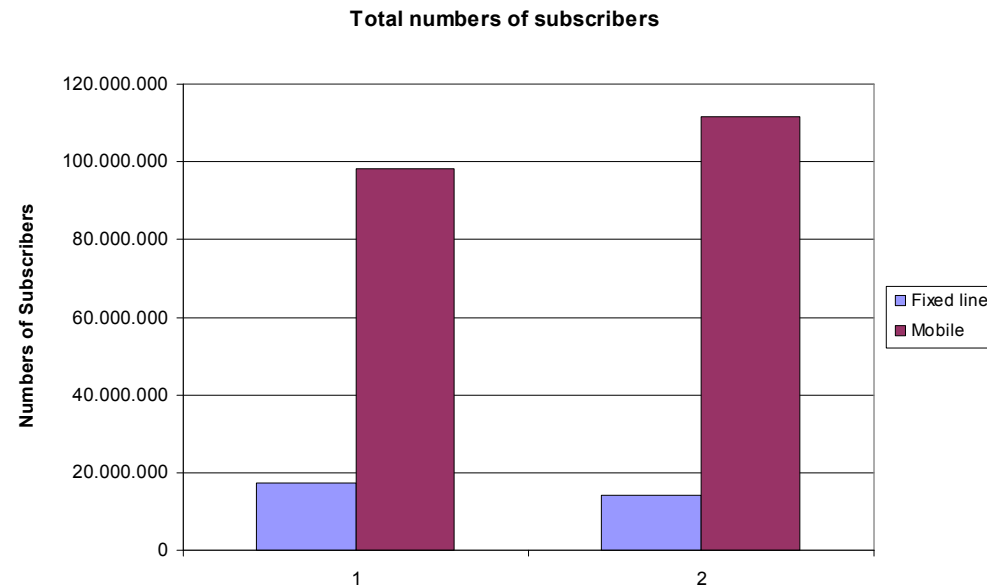


ICT Human Resource



2010 Statistics	
Labors of IT Industry (persons)	250.290
HW industry	127.548
SW industry	71.814
DC industry	50.928

Internet & Telecom Infrastructures



Statistics on Internet development up to 4/2011		
- Number of Users	28260025	
- Users per capita	32.56	%
- Total International connection bandwidth of Vietnam	143747	Mbps
- Total domestic connection bandwidth	277798	Mbps
- Total Broadband Subscribers	3623924	

Harnessing ICT for a sustainable development for Vietnam

"create a materially, culturally and spiritually plentiful life for the people, quality of life for all citizens, the consensus of society and harmony between the people and the nature"

Vietnam Agenda 21

Thank you!!

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