Integrated Approach to Digital Government
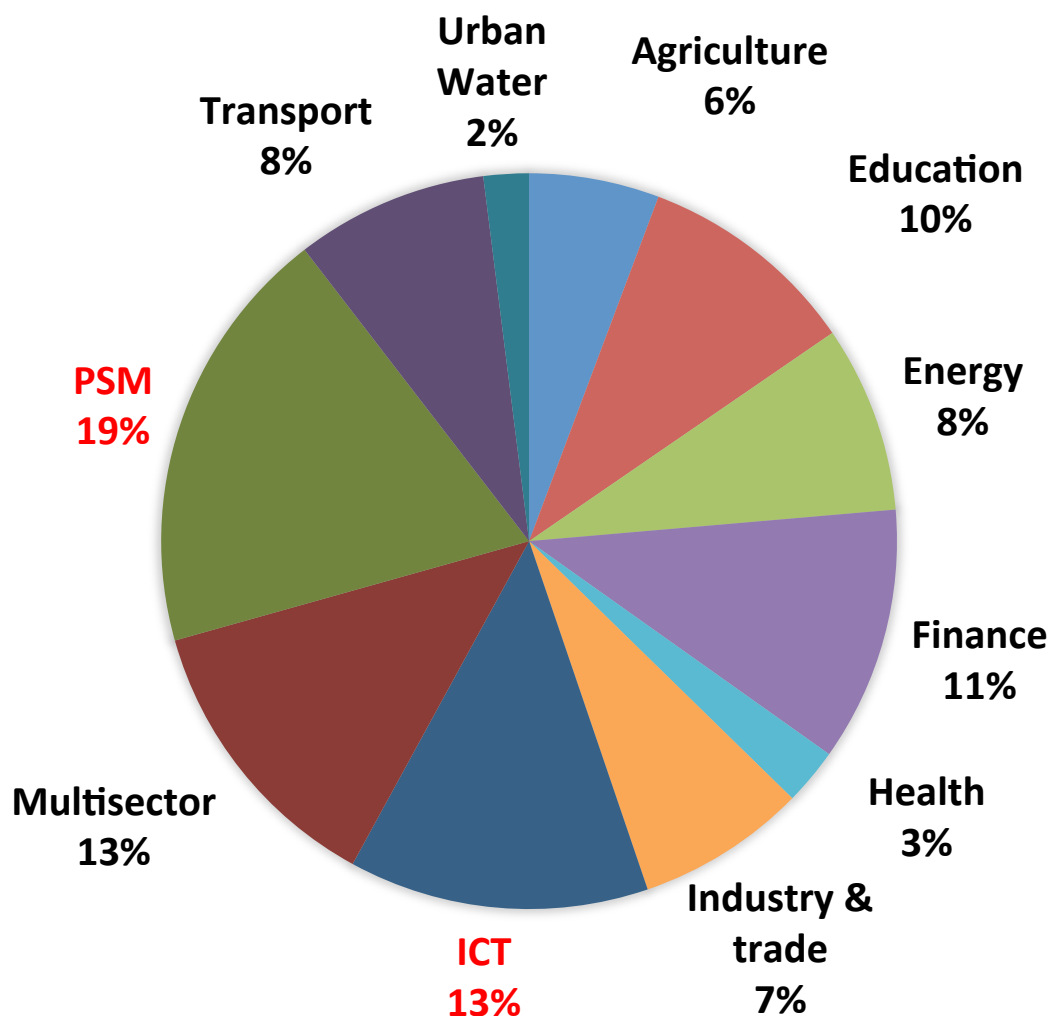
Seok-Yong ("SY") Yoon

Senior Public Sector Specialist (e-Governance)

Asian Development Bank

# TOPICS

- Three Aspects of e-Government

- Integrated Approach for Digital Government

- Partnership in Actions

ADB ICT Projects (2000-2015)

Sector	Number
Agriculture	23
Education	39
Energy	33
Finance	45
Health	10
Industry & trade	30
ICT	53
Multisector	51
PSM	76
Transport	34
Urban and water	8
Total	402

E-Government

E-Governance : 'Governance' as a theme
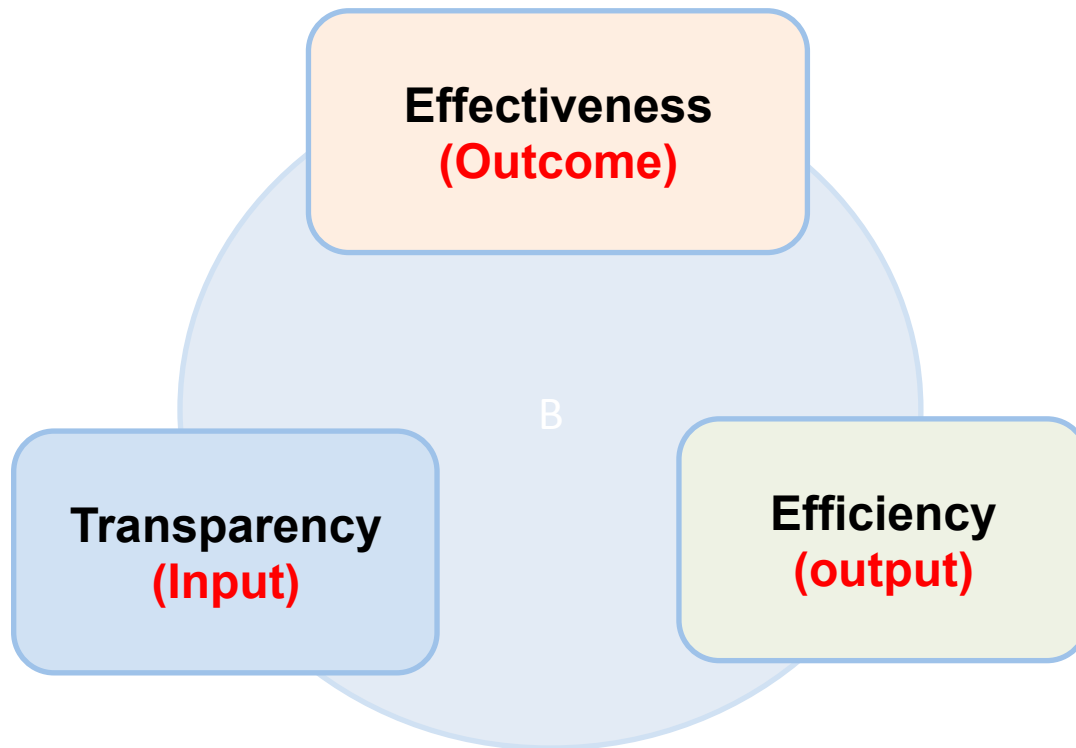
E-Government : 'Public Sector Management (PSM)' as a sector
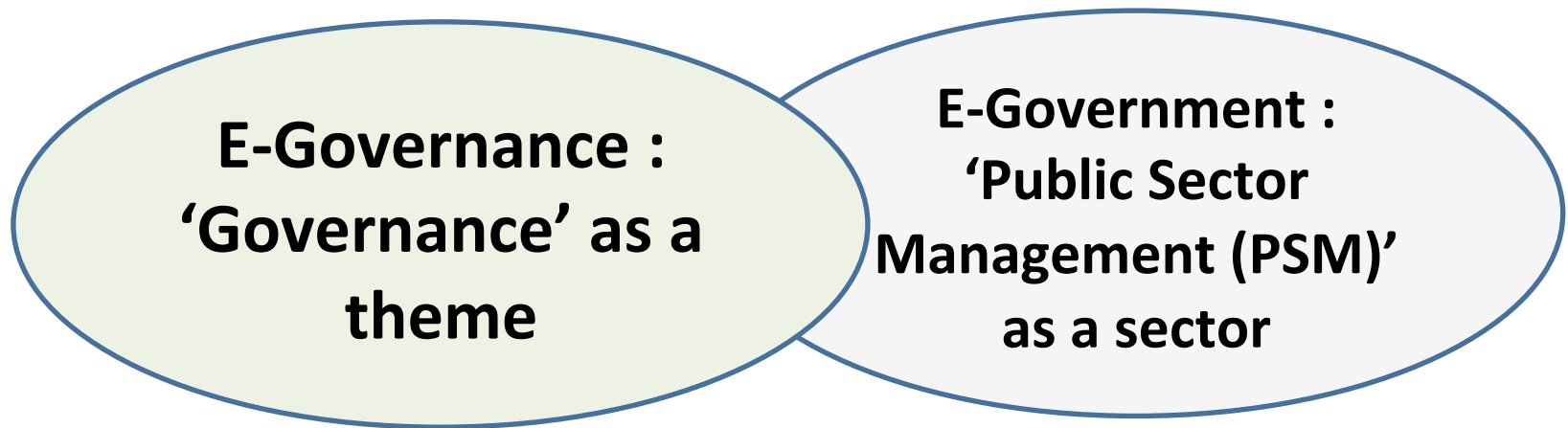
- Governance: ADB has focused on improving public finance management and procurement, and anti-corruption related to ADB operations

- PSM: ADB is supporting the broader areas of government reforms and e-services by the use of ICT
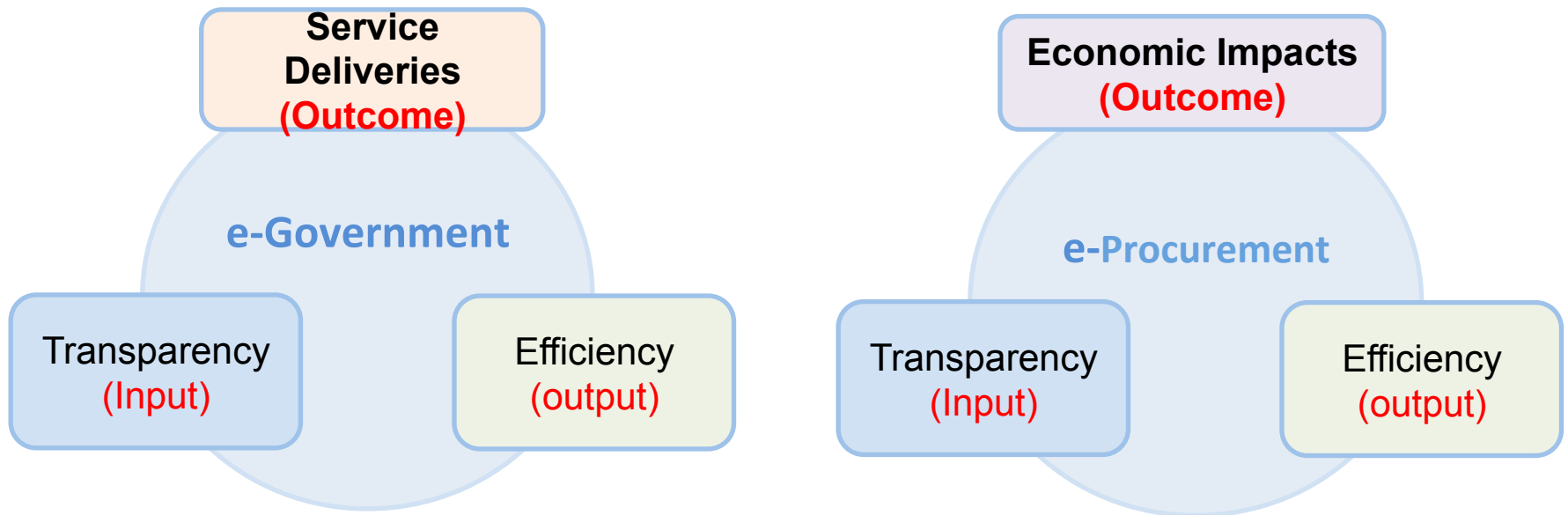
e-Government

ICT use in government for changes on governance and public services

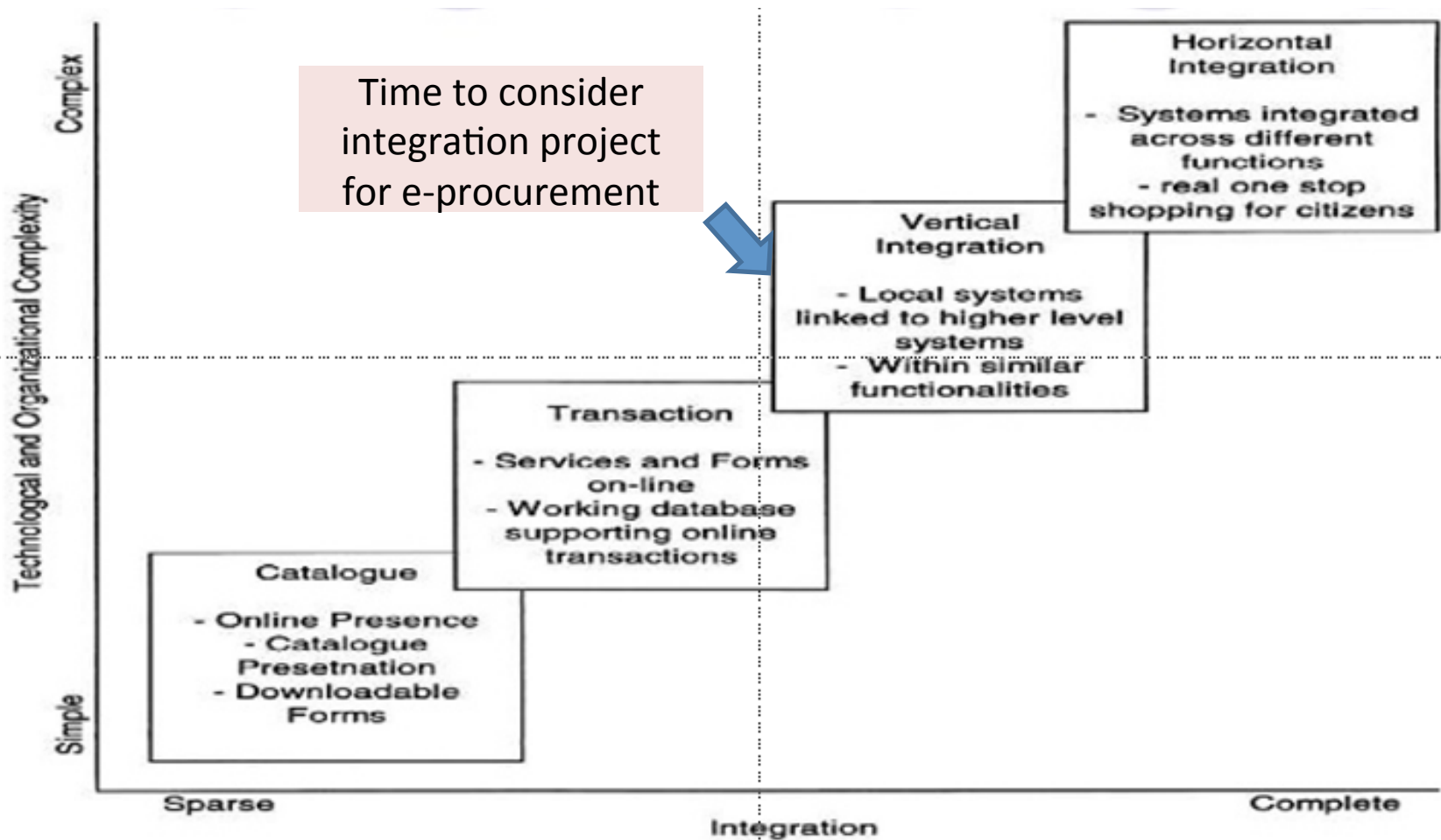# e-Government vs. e-Procurement

In addition to the traditional role of e-GP, it promotes competition, productivity and SMEs and economic decentralization
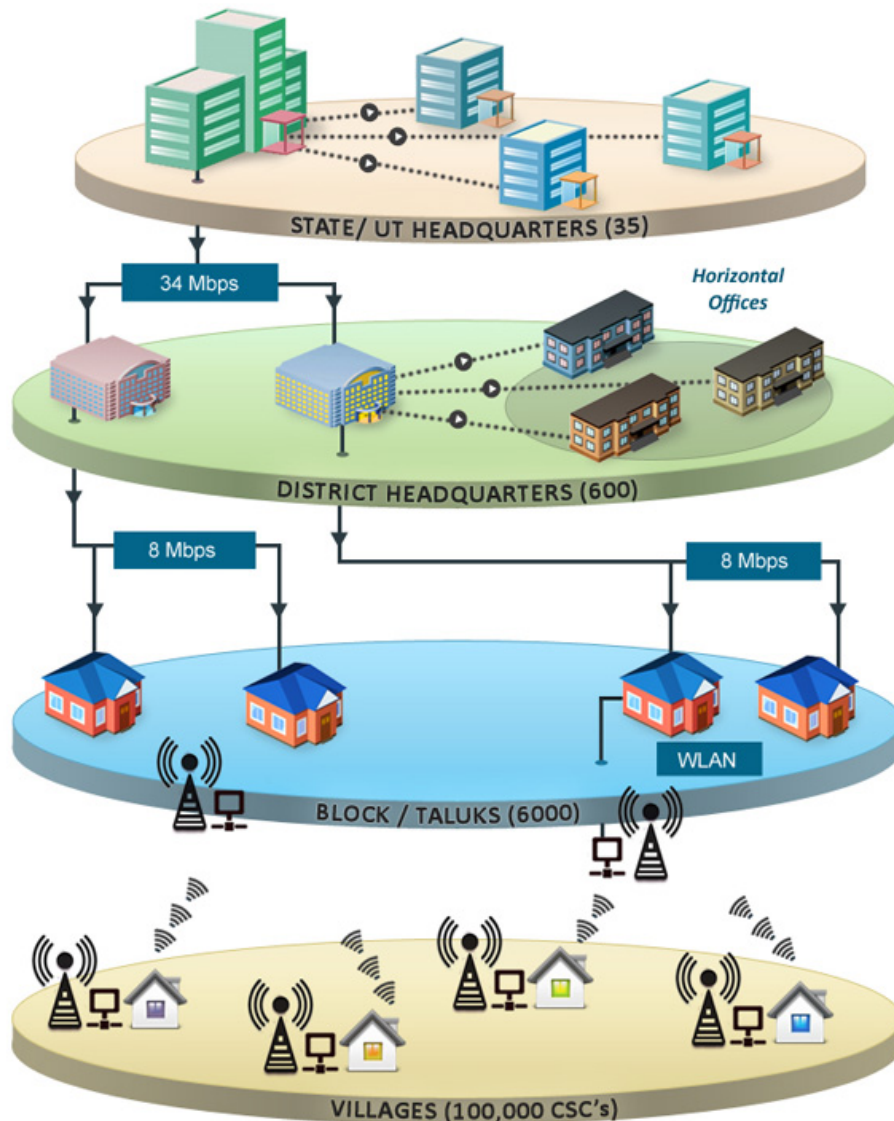
Integrated Approached for e-Government

1. Access to e-Government
2. Management efficiency for IT systems
3. Information Sharing and Exchange
4. Government portal: One Stop Service

Developmental Stages of e-Government

Time to consider integration project for e-procurement

Horizontal Integration
- Systems integrated across different functions
- real one stop shopping for citizens

Vertical Integration
- Local systems linked to higher level systems
- Within similar functionalities

Transaction
- Services and Forms on-line
- Working database supporting online transactions

Catalogue
- Online Presence
- Catalogue Presetnation
- Downloadable Forms

Complex

Simple

Technologcal and Organizational Complexity

Sparse

Complete

Integration

<Figure 1> Dimensions and stages of e-government development (Layne and Lee, 2001)

Integrated ICT Platform – e-Government Network

STATE/ UT HEADQUARTERS (35)

34 Mbps

Horizontal Offices

DISTRICT HEADQUARTERS (600)

8 Mbps   8 Mbps

WLAN

BLOCK / TALUKS (6000)

VILLAGES (100,000 CSC's)

Under the National e-Governance Plan of India, the scheme of the **State Wide Area Network (SWAN)** across the country was approved in 2005.

SWAN is the converged backbone network for data, voice and video communications throughout a State connecting all State HQs up to the sub-district level in a vertical hierarchical structure through broadband connectivity.

Access – e-Government Network

e-GP System Access Diagram
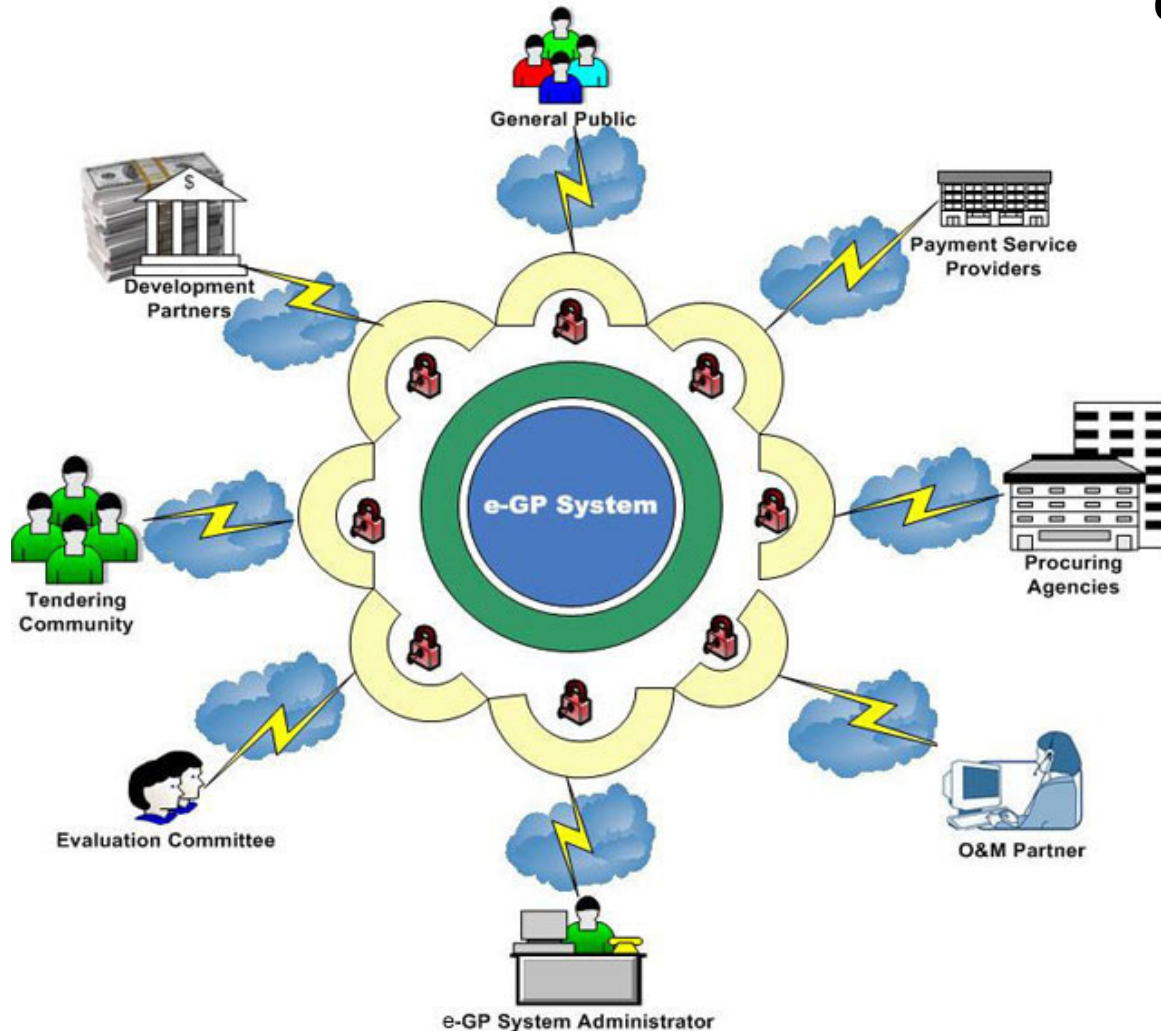
Central Procurement Technical Unit, Ministry of Planning in Bangladesh

The Government of Bangladesh has embarked on the public procurement reform project I (PPRP1) as part of strengthening overall sector governance establishing the Central Procurement Technical Unit (CPTU) in 2002. In 2007, the PPRP II started to progress the reform further introduction **e-procurement.**

Common Functions and Facilities
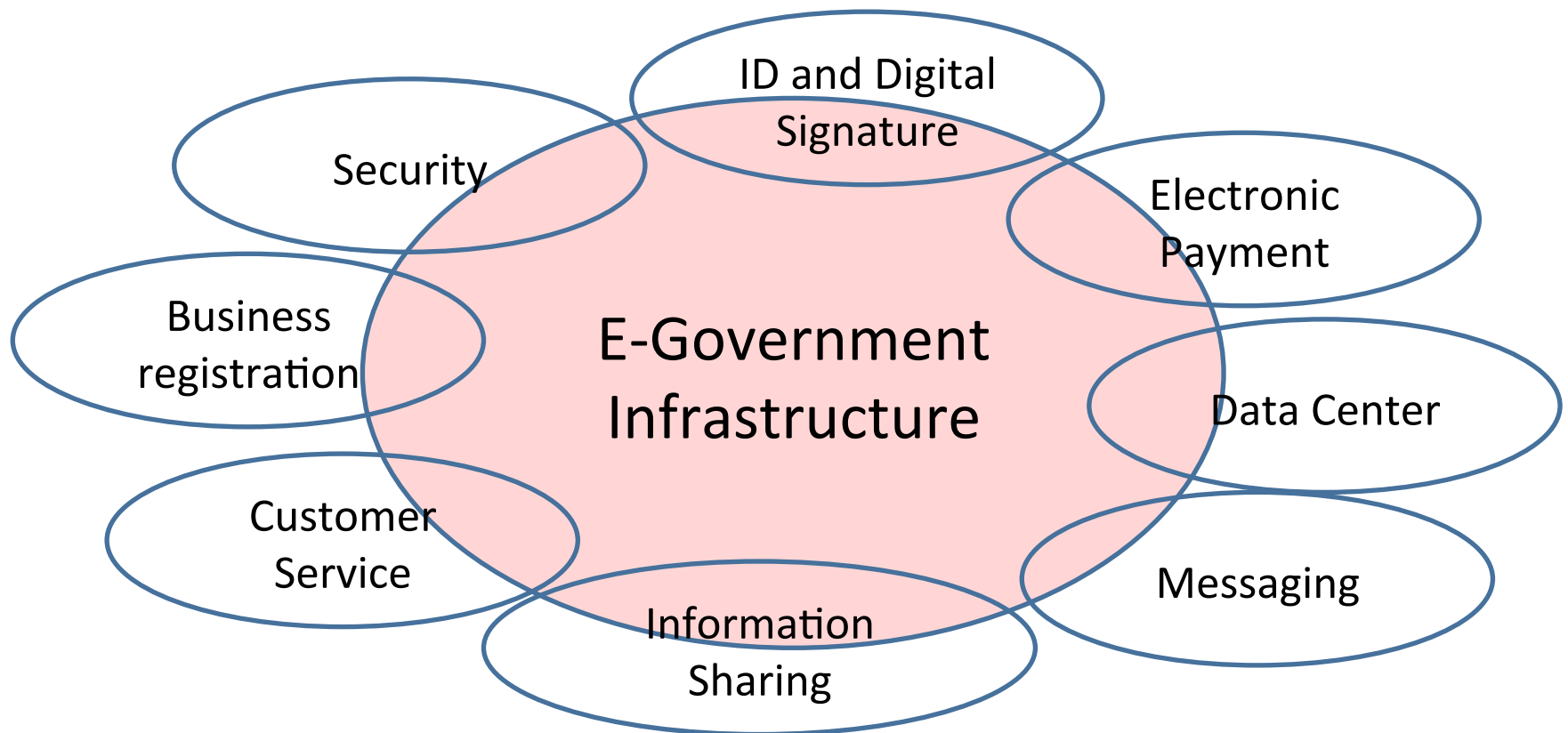
Integrated ICT Platform – Integrated Data Center

Established in 2005, the Government Integrated Data Center (GIDC) in Korea is in charge of the management of 1,312 units of equipment at 44 organizations as the center of Korea's e-government system

Cross Cutting Functions

Work in Silos…

Integrated ICT Platform - Information Sharing and Exchange

Off Line

Schools

Hospitals

Police

Water Corporation

Solid Waste Management

Bus, Subway companies

Central Government

Local Government

Online

Schools

Hospitals

Police

Water Corporation

Solid Waste Management

Bus, Subway companies

Central, State Government

Information Sharing

Local Government
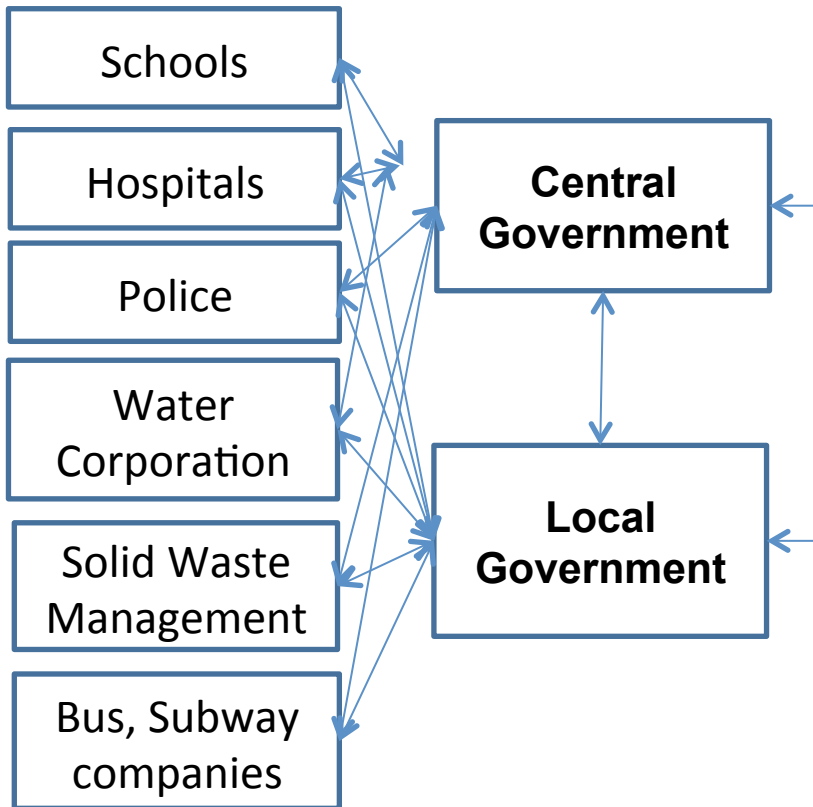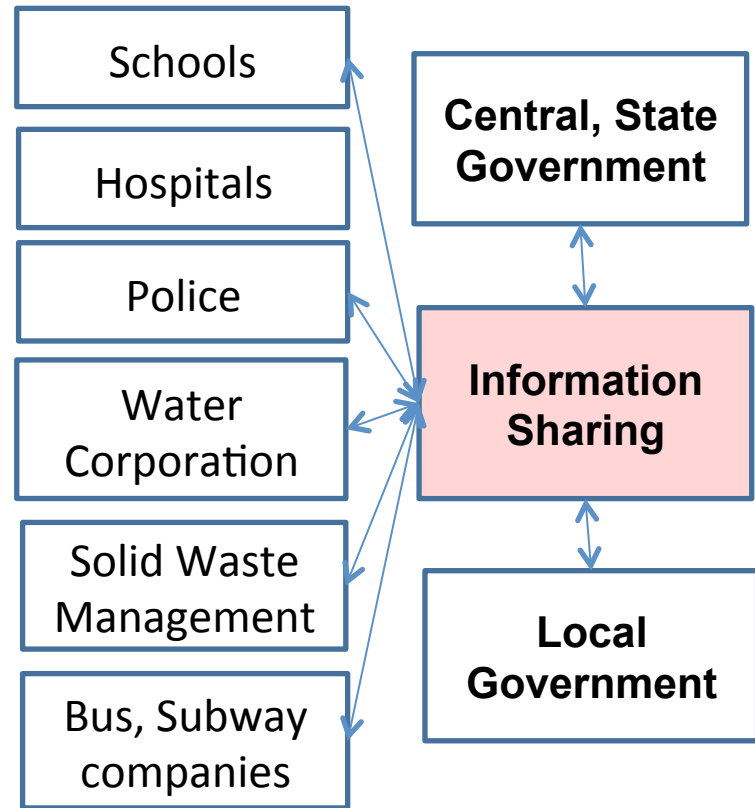
Government Portal

Off Line

Citizens, Businesses

Water supply

Urban transport

Education Health

Water Dept.

Transport Dept.

Social Service Dept.

Government

Online

Citizens, Businesses

e-Services portal

Water supply

Urban transport

Education Health

Water Dept.

Transport Dept.

Social Service Dept.
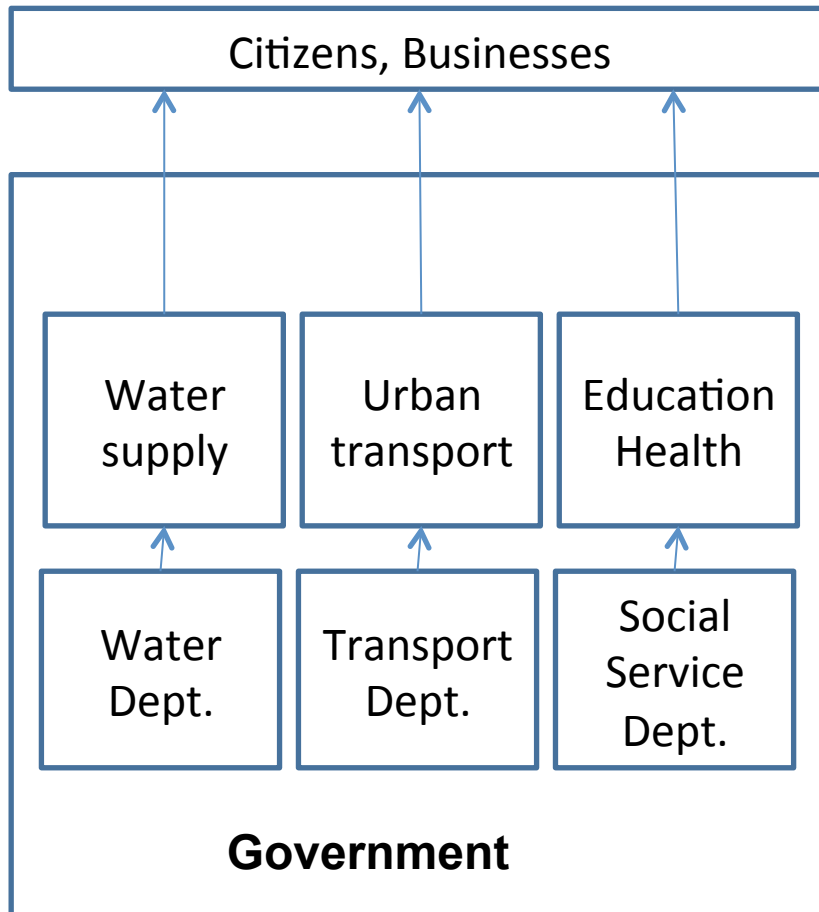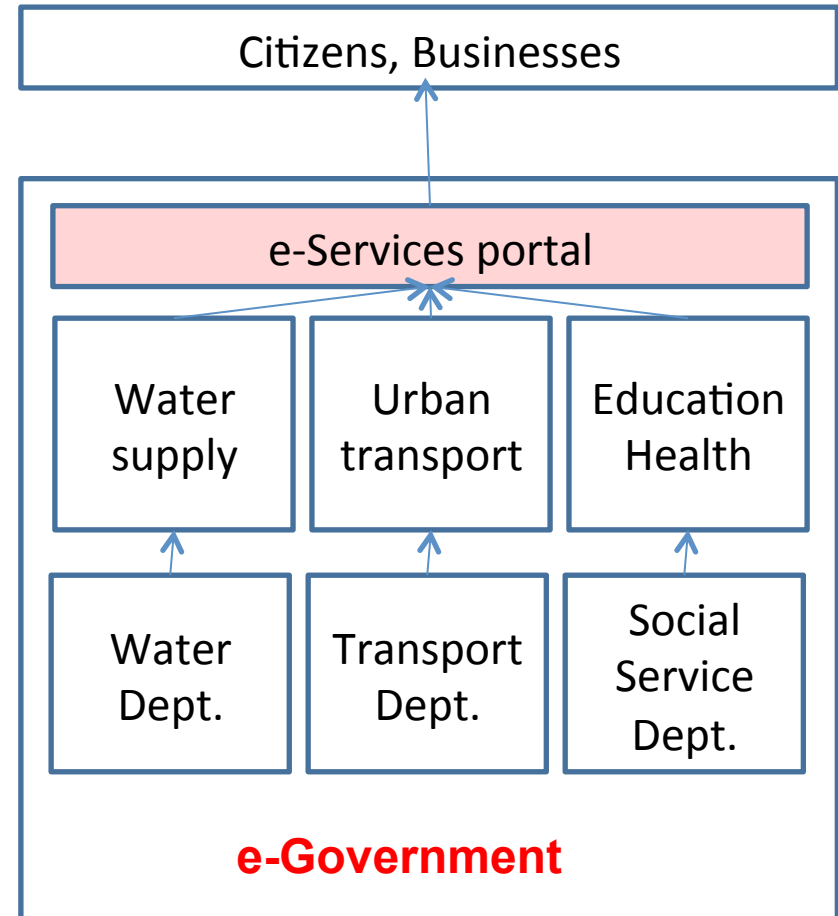
e-Government

e-Government Evolution (Case in Korea)

Industrialization	ICT infrastructure (network, database)	Institutional Preparation	e-Government Advancement

80's   **90's**   **00's**

1963~
1979

1980~
1988

1988~
1993

1993~
1997

1988~
2003

2003~
2008

- **5 Major National Network** (**Administration**, **Education-research**, **Finance**, Military, Security)
- **Development of major national databases** (**civil registration**, **business**, **land**, vehicle, employees, ex/ import)

- **Informatization Promotion Act.** (master plan, action plans, budget)
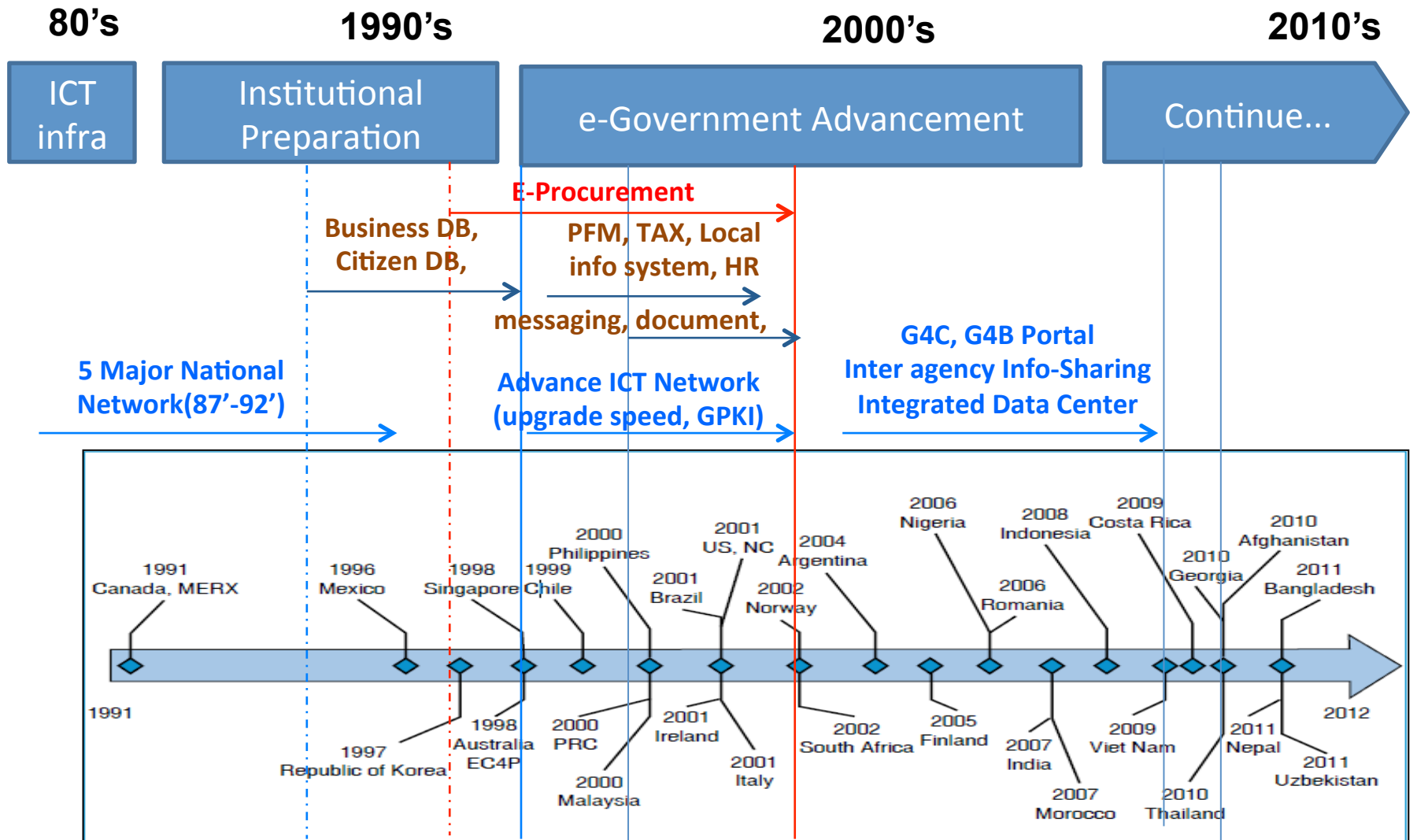- **Establish Ministry of ICT**

- **11 National e-Government Projects** (social insurance, tax, **e-procurement**, public finance, education MIS)
- **Presidential Committee**
- **E-Gov't. Act.**

- **31 e-Government Roadmap** (advancement of 11 e-Gov't projects, local government informatization, Enterprise Architecture)

ADB

e-Procurement (Case in Korea)

80's | **1990's** | **2000's** | **2010's**

| ICT infra | Institutional Preparation | e-Government Advancement | Continue… |

E-Procurement

Business DB, Citizen DB,

PFM, TAX, Local info system, HR

messaging, document,

5 Major National Network(87'-92')

Advance ICT Network (upgrade speed, GPKI)

G4C, G4B Portal Inter agency Info-Sharing Integrated Data Center

1991
Canada, MERX

1996
Mexico

1998
Singapore

1999
Chile

2000
Philippines

2001
Brazil

2001
US, NC

2002
Norway

2004
Argentina

2006
Nigeria

2008
Indonesia

2006
Romania

2009
Costa Rica

2010
Georgia

2010
Afghanistan

2011
Bangladesh

1991

1997
Republic of Korea

1998
Australia
EC4P

2000
PRC

2000
Malaysia

2001
Ireland

2001
Italy

2002
South Africa

2005
Finland

2007
India

2007
Morocco

2009
Viet Nam

2010
Thailand

2011
Nepal

2011
Uzbekistan

2012

ADB
50 YEARS

Partnership in Actions

1. Direct Technical Assistance
2. Resource Mobilization through Partnership
3. Knowledge Sharing

Technical Assistance for Project Development

Advisory supports for investment and prioritization, and Pre-Feasibility Studies on e-GP projects: Proposals are reviewed and recommendations for funding are made on the basis of selection criteria. Selected projects are funded and executed in collaboration with multi-stakeholders.

Resource Mobilization through Partnership
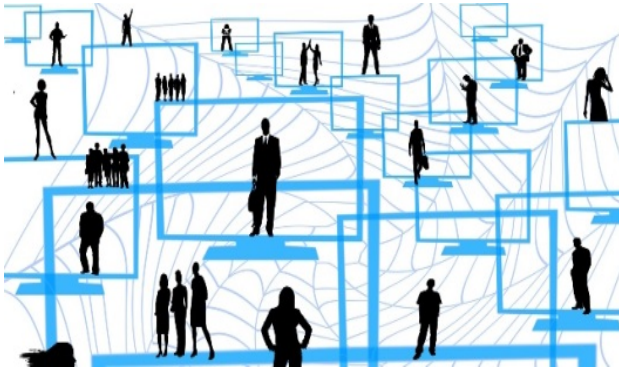
Coordination and cooperation with partners and stakeholders: The APPeN provides a set of guidelines and toolkits for mobilizing resources and creating partnerships among various stakeholders and partners promoting e-GP in the Asia-Pacific region.

Knowledge Sharing for Capacity Development

Identify, compile, and disseminate good practices and lessons learned for addressing development issues on e-GP. The component will include awareness campaigns, capacity-building activities, conferences and workshops, publication of lessons learned, and integration of the knowledge gained

Thank You

Q & A