

MINISTRY OF COMMUNICATION AND INFORMATION TECHNOLOGY  
THE REPUBLIC OF INDONESIA

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# eGovernment Indonesia Update 2015 - 2019

By: Ibenk Dwi Anggono

# Diversity of Indonesia



**± 251,845,008 Population**

The population of the 4th largest in the world



**± 17.508 Islands**

The largest archipelago in the world



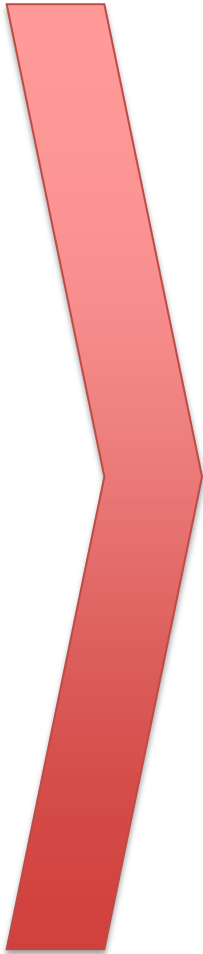
**± 1.340 Tribes**

Countries with the largest ethnic in the world



**± 746 Local Language**

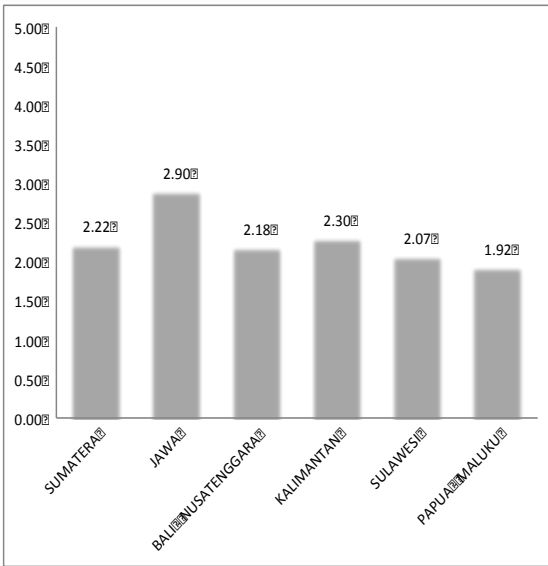
Countries in the world with the most local languages



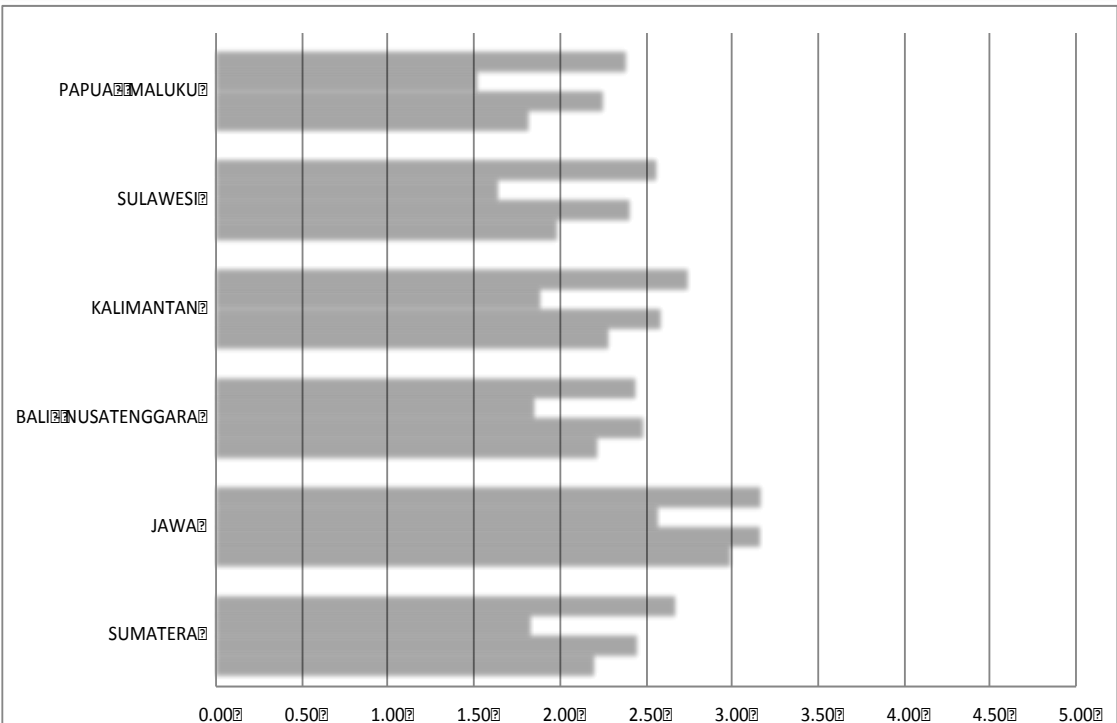
Availability of ICT infrastructure, ICT human resources, quality of public services and economic growth rate varies from one place to another. ICT promises to overcome the digital divide, improving the quality of services, increase economic growth, and maintain the sovereignty of the Republic of Indonesia.

# BACKGROUND: PRESENT CONDITION OF NATIONAL ICT

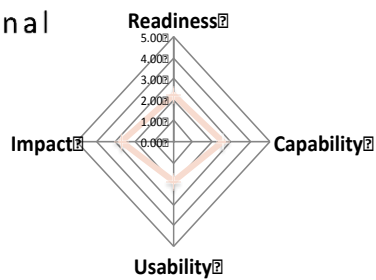
## COMPOSITE INDEX ICT PURA



## COMPONENT COMPOSITE INDEX ICT PURA



### National



	SUMATERA	JAWA	BALI NUSATENGGERA	KALIMANTAN	SULAWESI	PAPUA-MALUKU
Impact	2.67	3.16	2.43	2.74	2.56	2.38
Usability	1.82	2.56	1.85	1.88	1.64	1.52
Capability	2.45	3.16	2.48	2.58	2.40	2.25
Readiness	2.20	2.99	2.21	2.28	1.98	1.81

Source: ICT Pura, Kemkominfo dan Detiknas, 2012

# Current Indonesia



# Investments in the field of eGovernment

- In 2013 ICT Investment in Government in Indonesia Reach Rp. 14 trillion (US\$ 1, 2 billion)
  - Inggris \$518 million (2013)
  - Singapore \$800 million\*\* (2013)
  - Australia \$5,97 billion (2013)
- In 2014, ICT investment in eGovernment reaches Rp. 36 Trilion (US\$ 2,8 Billion)

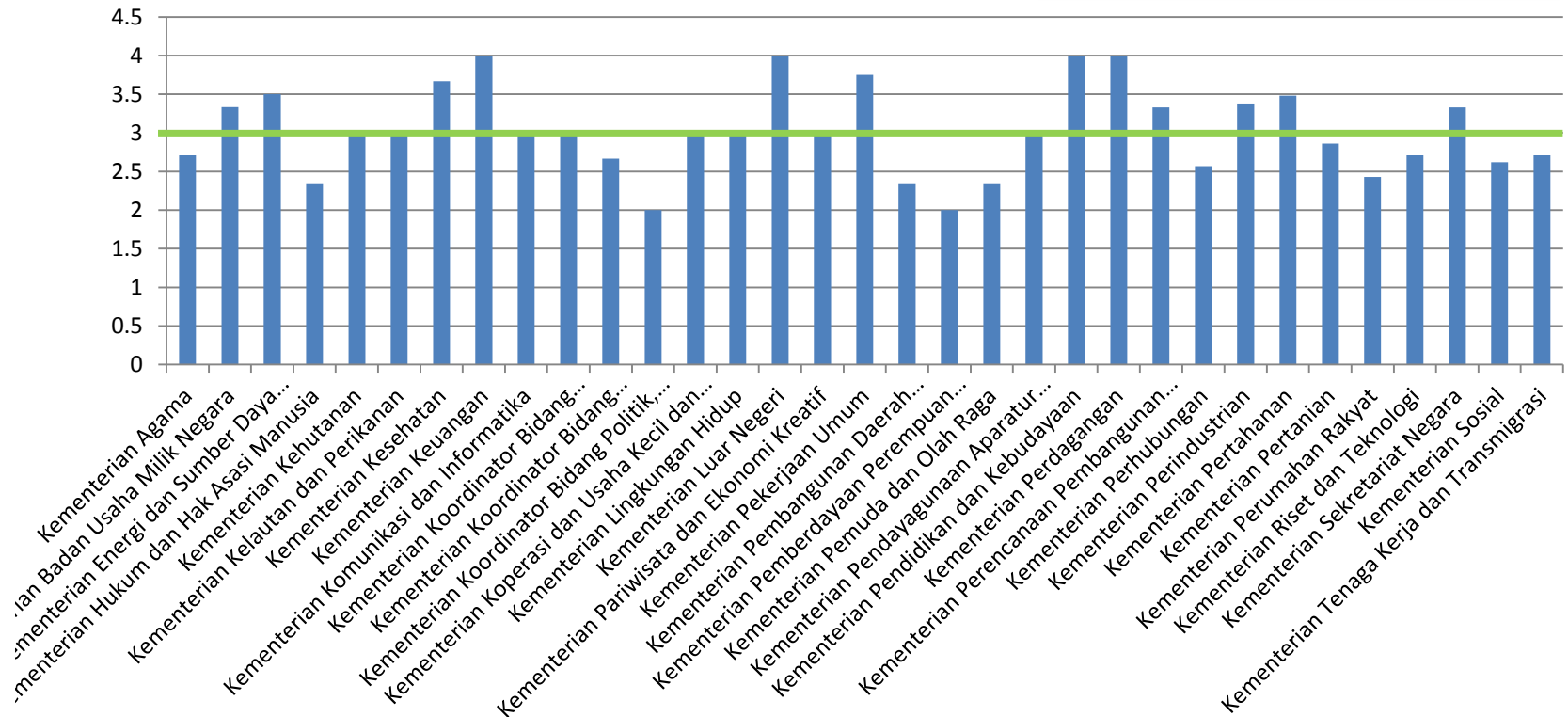
\*Prof. Dr. Eko Prasjo in Dies Natalis UI ke-64

\*\*<http://www.qassure.com>

Source: Detiknas, 2014 & Bappenas

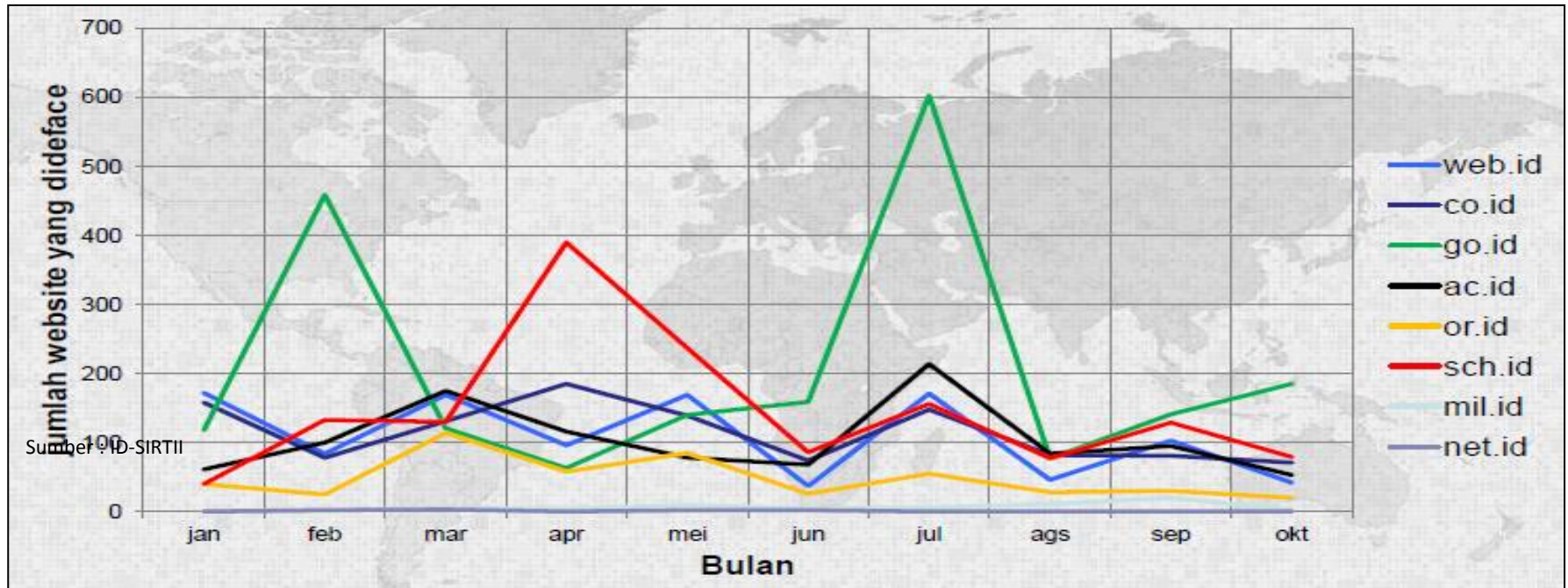
# Status Data Center

1. Do not have the data center
2. Having a data center but inadequate
3. Having a data center that is adequate
4. Having an integrated data center



40% of government agencies that have data center, but only a few are representative.

# Indonesian Information Security Status

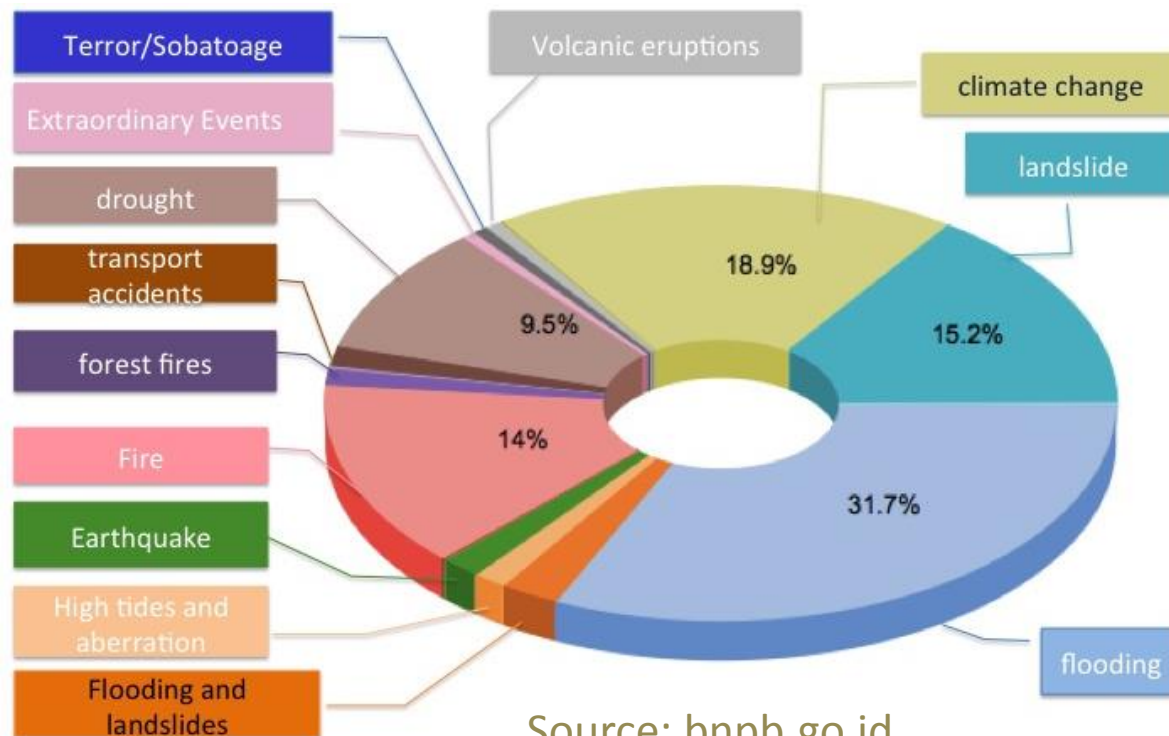
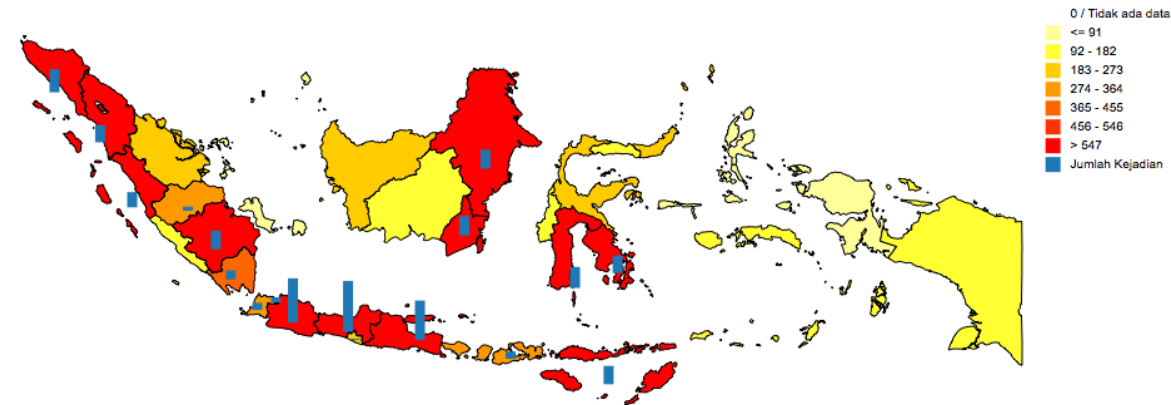


- Internet domain owned by the government is the most frequent attack and uprooted, compared to other sectors.

# Essential e-Government Infrastructure Components

Key Success Factors	As Is	To Be
Interconnected Government?	No, vertical silos	Yes, integrated
Secure Government Network?	No, only public Internet	Yes
Economies of Scale?	No	Yes
Internal Voice/Video?	No, or limited	Yes, Government wide
Local Level Bandwidth	128 kbps – 1 Mbps	100 Mbps – 1 Gbps
Central Level Bandwidth	10-200 Mbps	1-10+ Gbps
Citizen Facing BW	100 Mbps – 1 Gbps	10+ Gbps
Network Reliability	Low, many single points of failure	High, redundant topology
Data Centers	Many, even within a single ministry	Shared central data centers
Back-up/Disaster Recovery	No	Yes
Flexible Capacity	No	Yes
Budget	100% decentralised	Mixed model
Procurement	Individual, at retail level	Frame Agreements
Standards	No	Yes
Interoperability	No	Yes

# Indonesian disaster report (1815 – 2015)



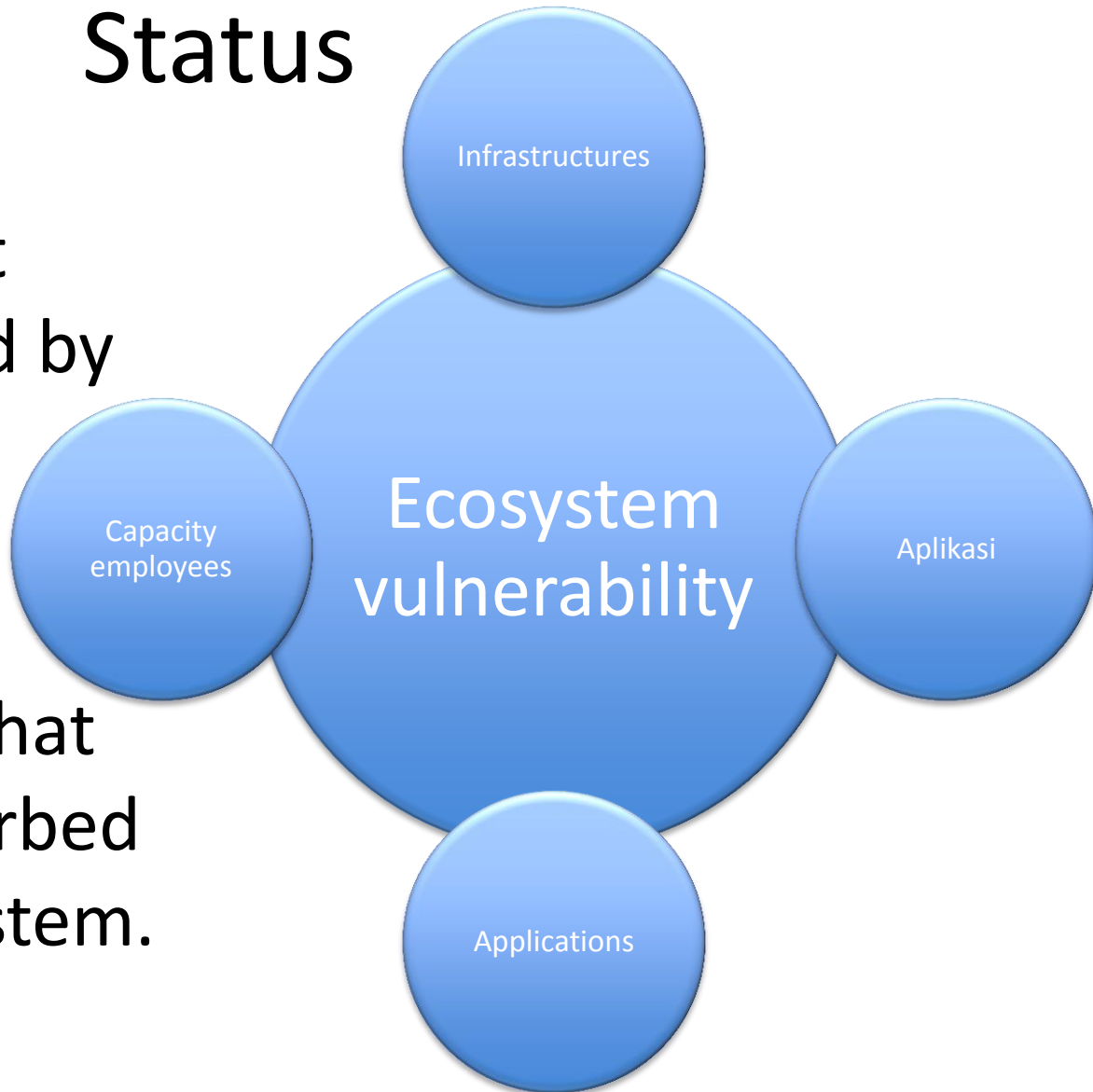
Source: [bnpb.go.id](http://bnpb.go.id)



Pilot Project  
Bandung Command Center

# Status

- Although eGovt been developed by all government agencies, but in reality, there remains a risk that can cause disturbed government system.



## Roadmap e-Government Indonesia

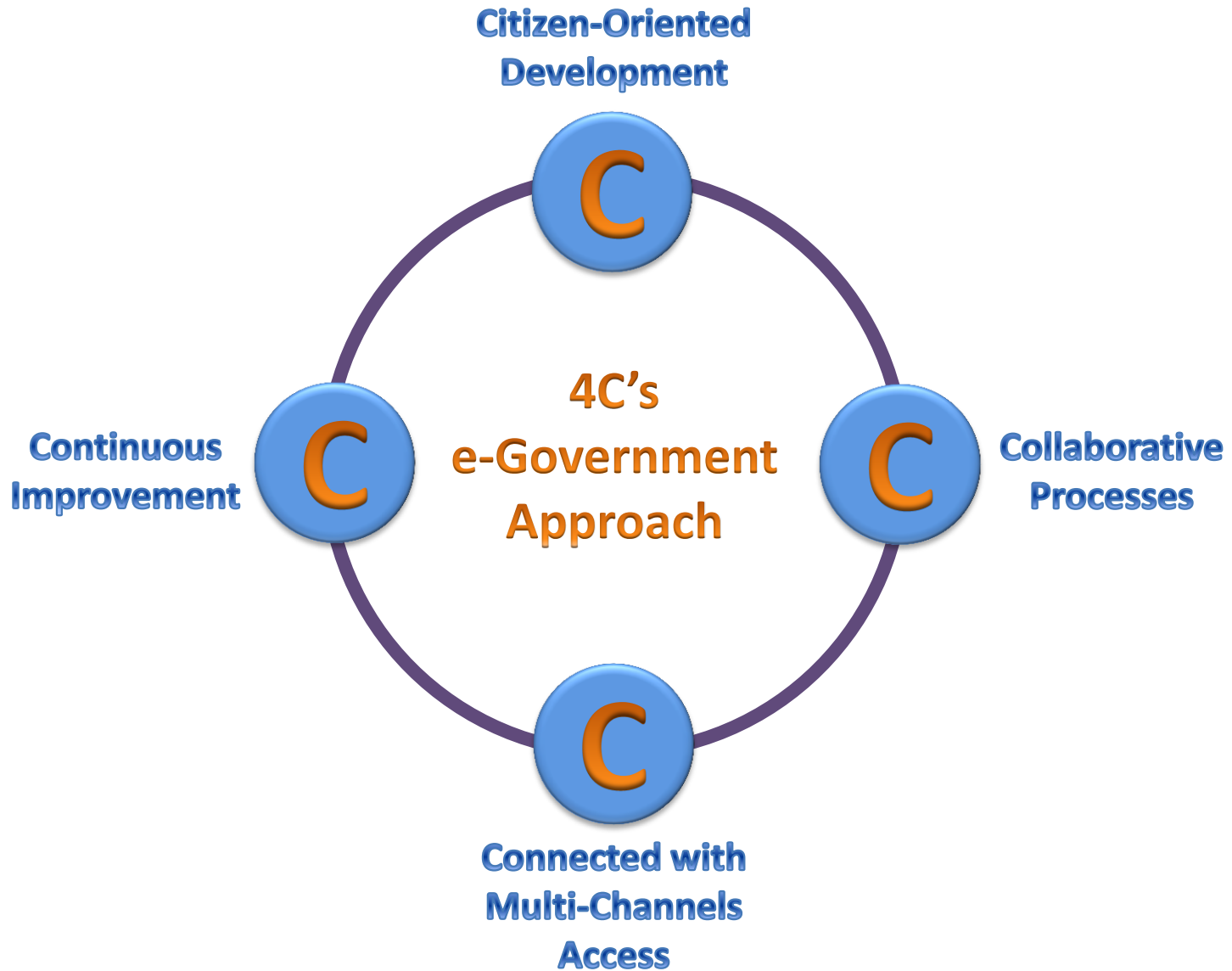
Changes in systemic approach, from a technological approach, becoming the approach of the government bureaucracy.

The Indonesian government is conducting a massive improvement, related to the development and implementation of an electronic-based system of government.

eGovernment has been established as an important part in the bureaucracy reform.



# 4C's Approach



# Paradigm Changes in eGovernment



**Government Oriented**



**Citizen-Oriented**



**Silo Resources**



**Shared Resources**

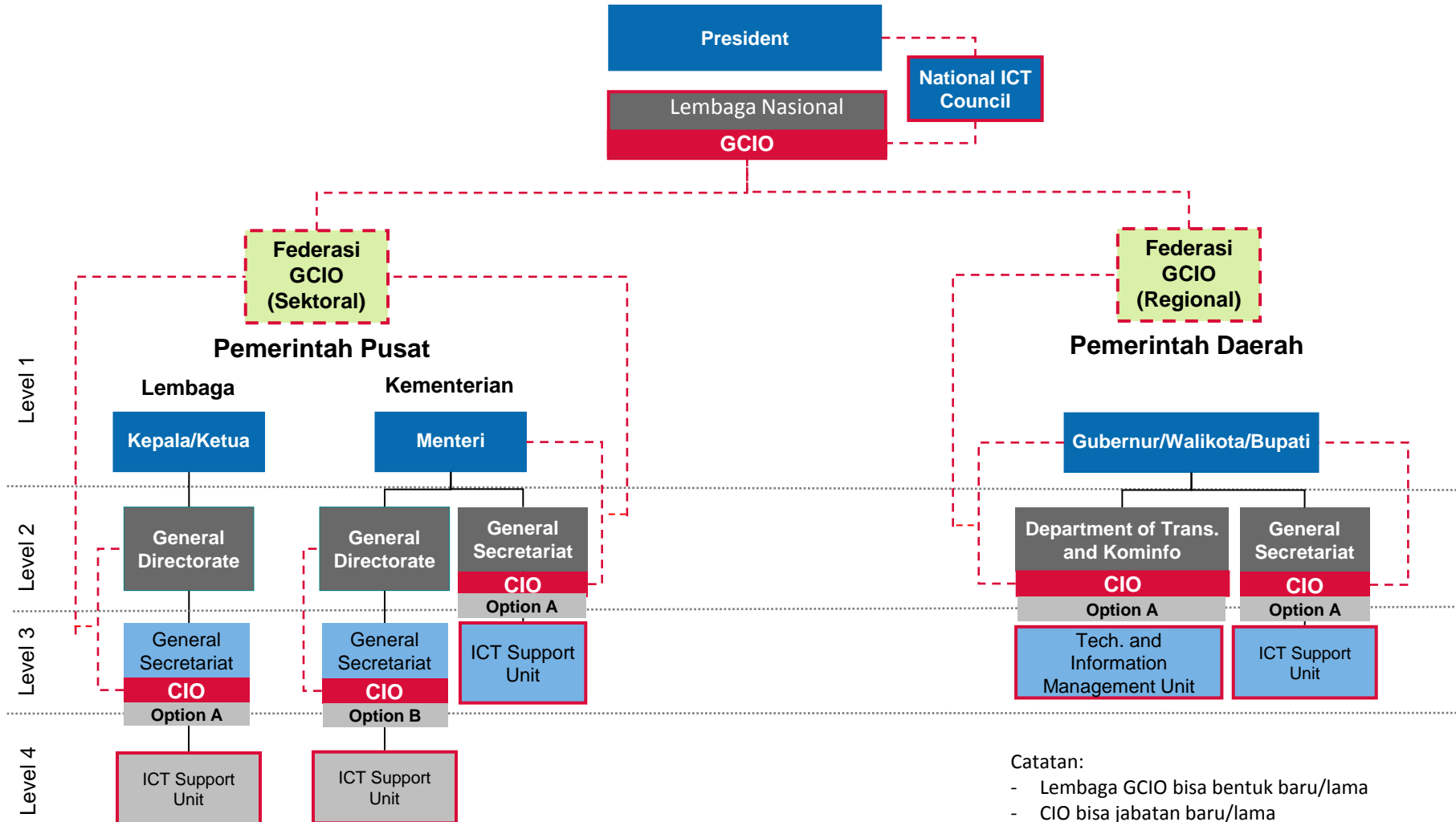


**Electronic Services**

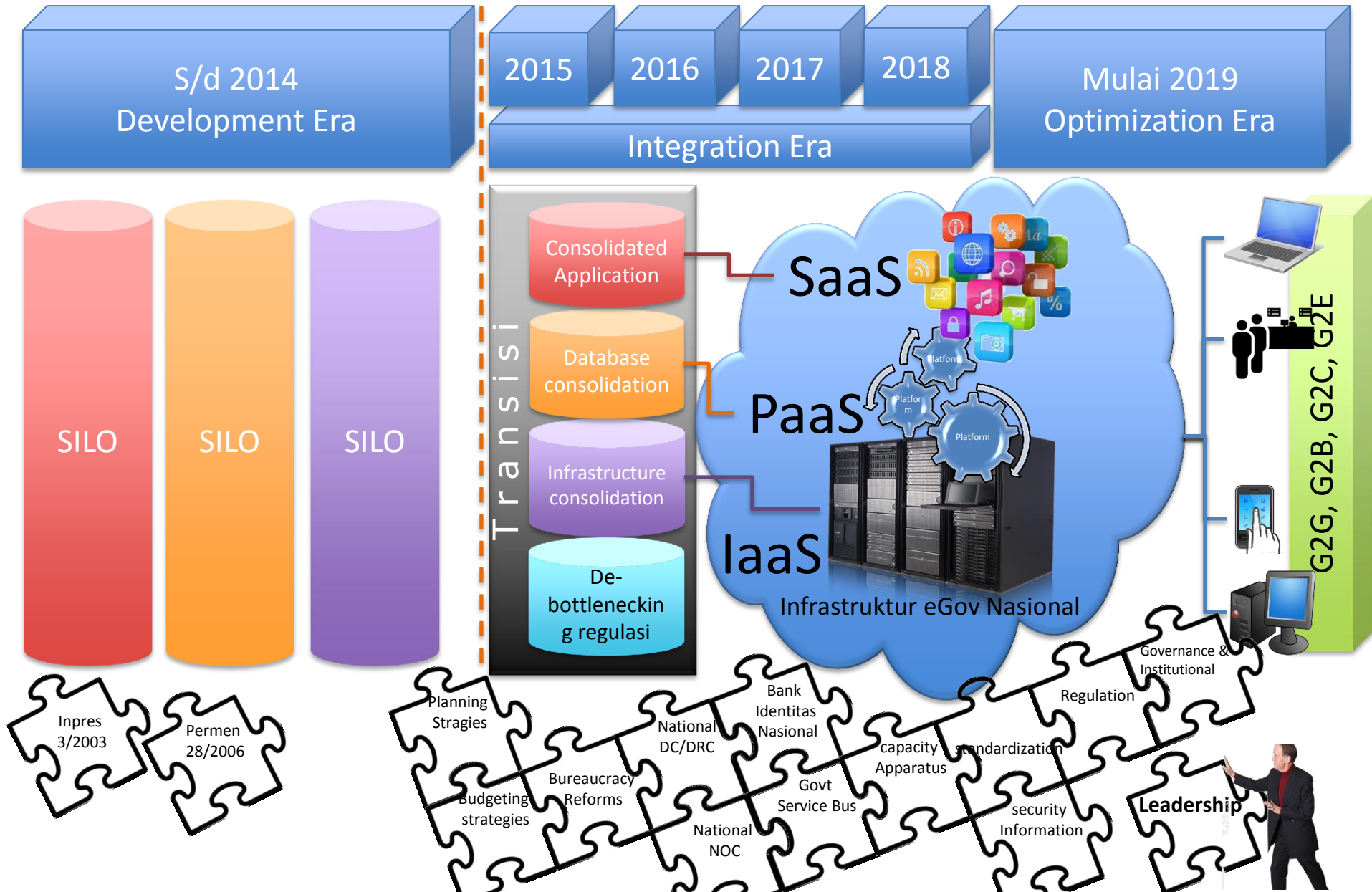


**Ubiquitous Services**

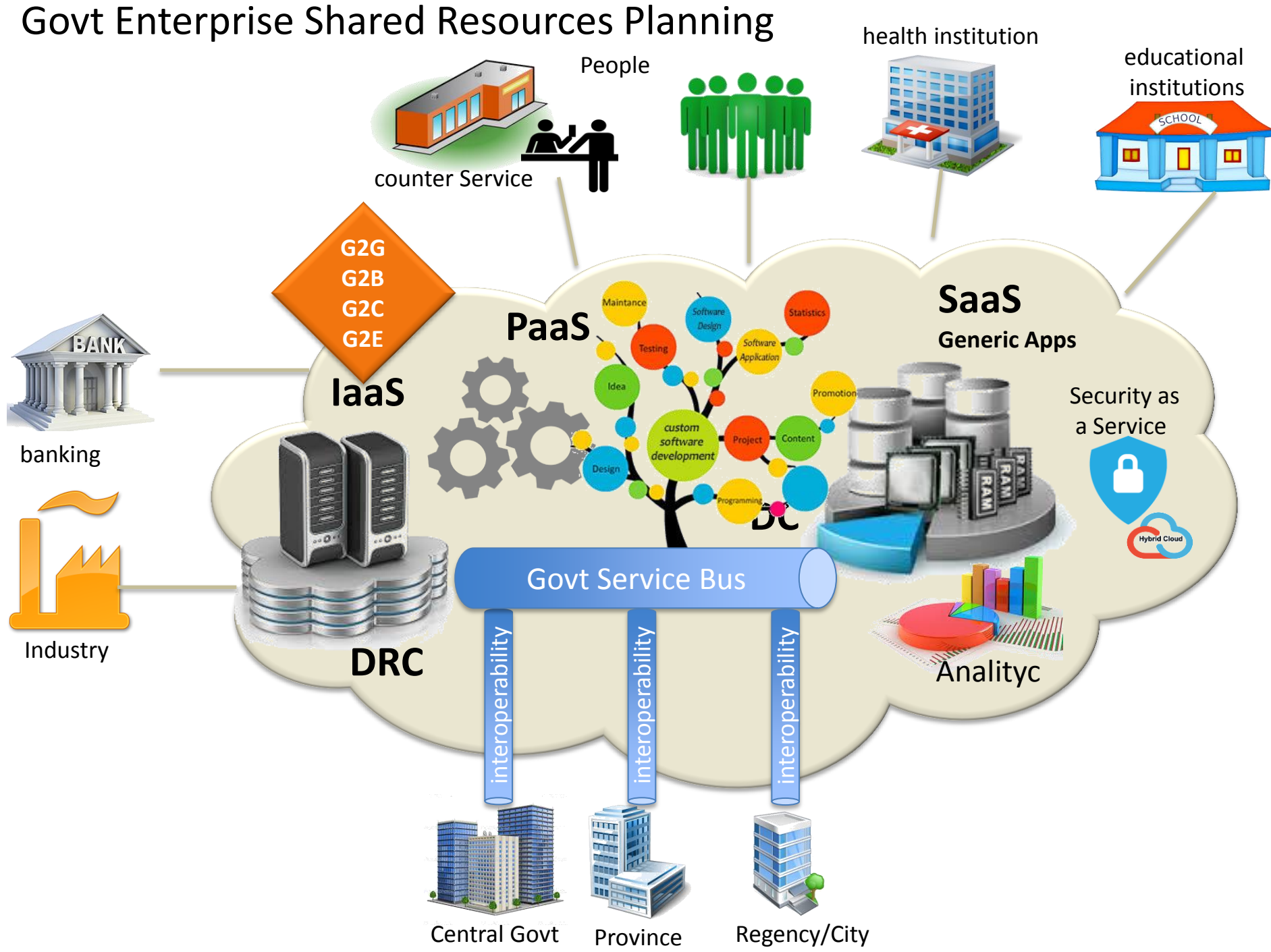
# E-Government Structure



# Milestone eGovernment 2015 - 2019

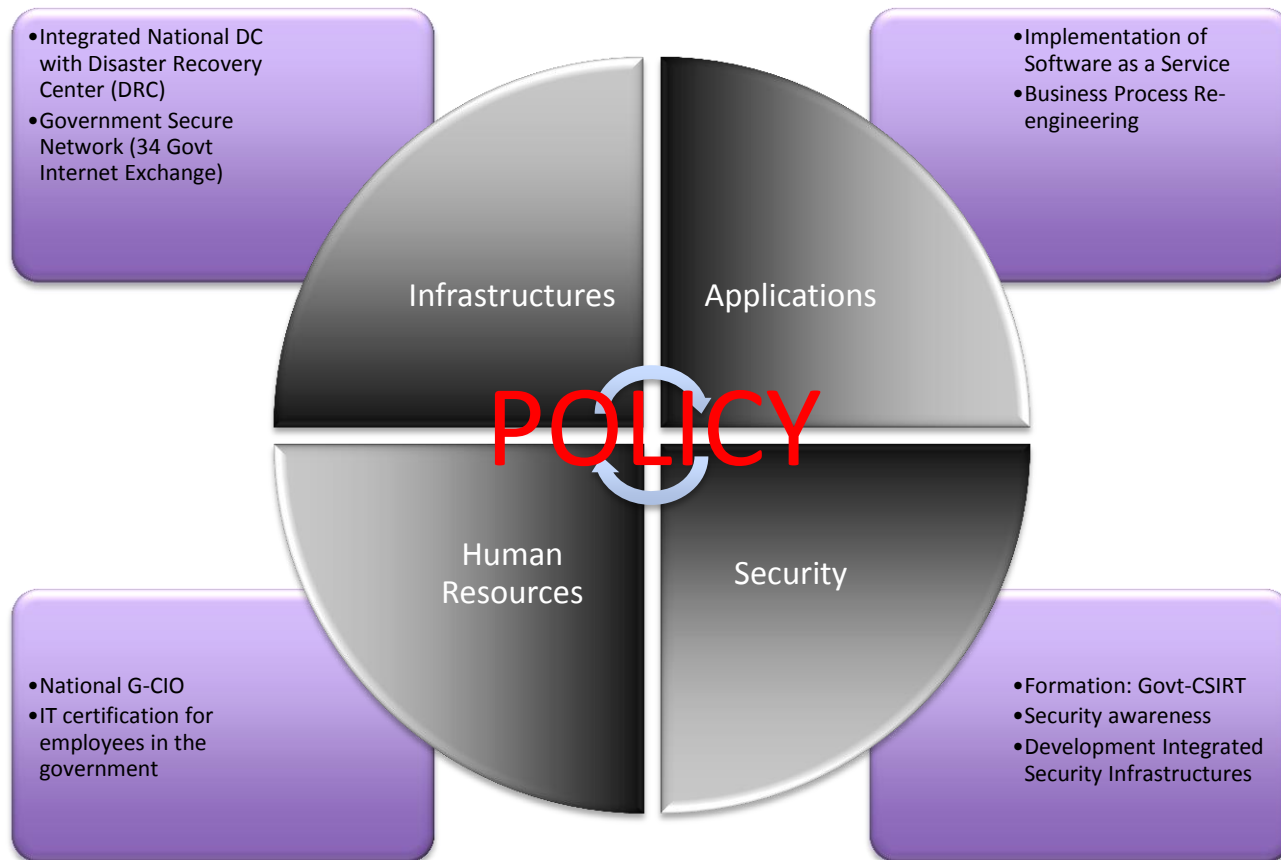


# Govt Enterprise Shared Resources Planning

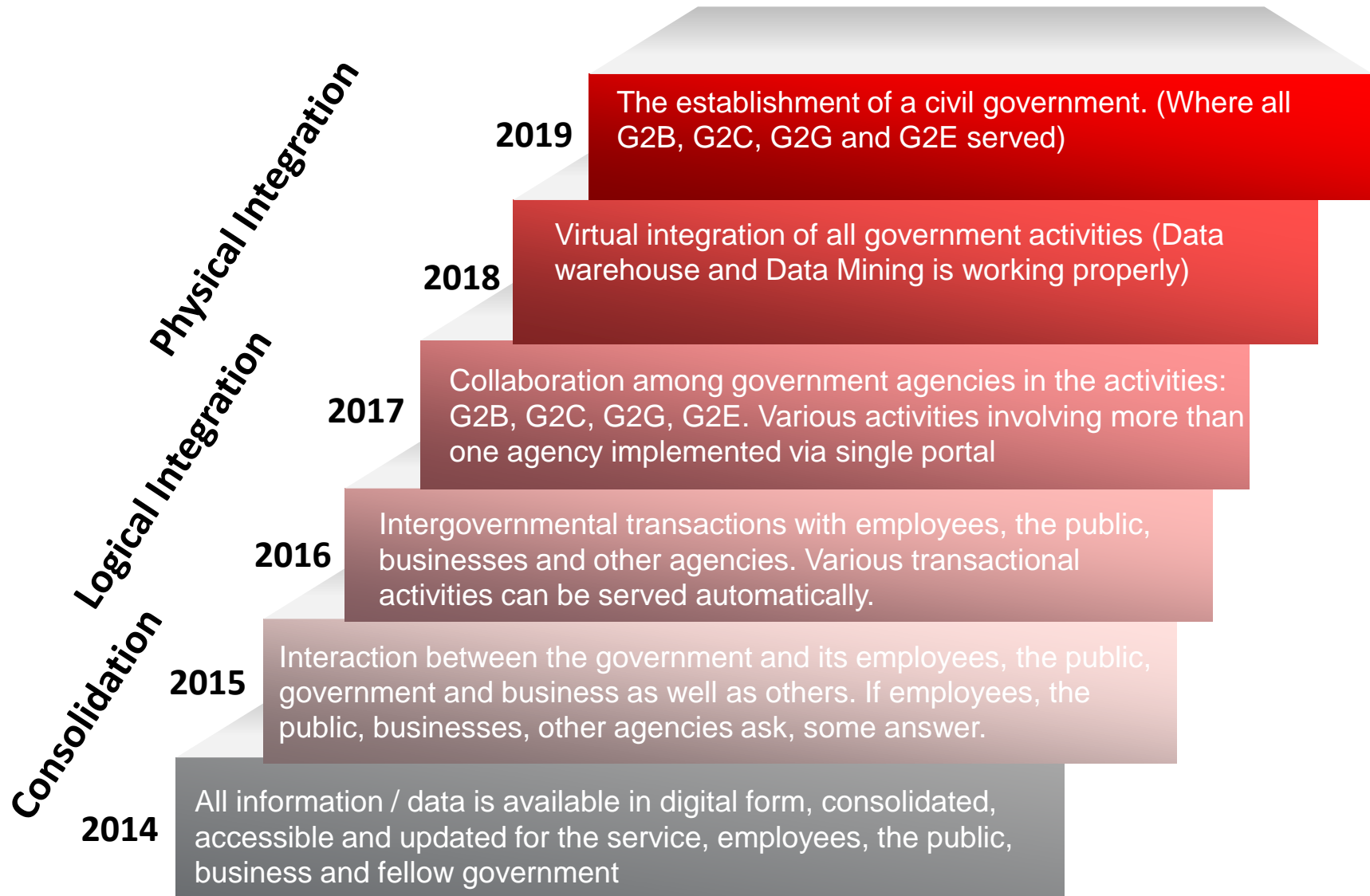


# Disaster Risk Reduction

The government made a strategic effort to analyze and reduce the causal factors of disasters.



# Roadmap Implementasi E-Government 2014-2019



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