

External IT System Integration, Experiences of Korea

Experiences of Korea



조달청

Public Procurement Service

Saera Park |

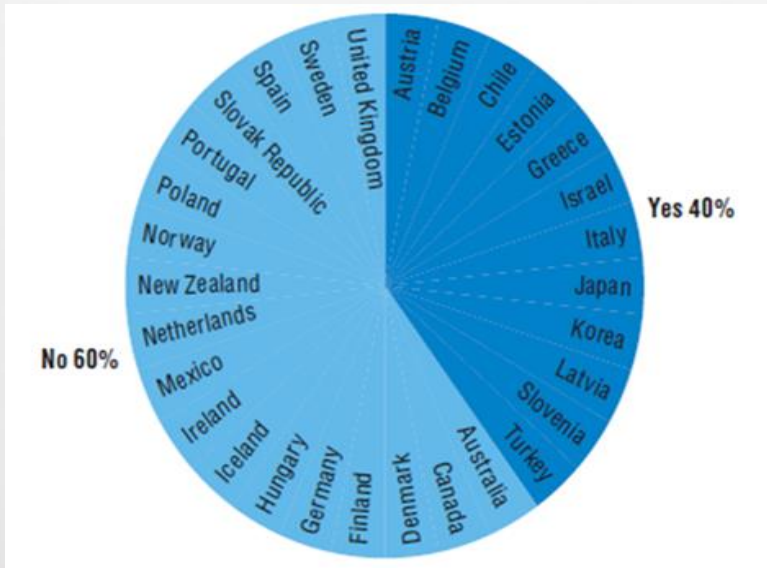
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E-Procurement System Linkage



- Opportunities to streamline process and increase effectiveness
- Integration with other e-government systems is not yet a common practice in OECD countries*.

Integration of the e-GP with other e-Gov. technologies



Integrated Systems

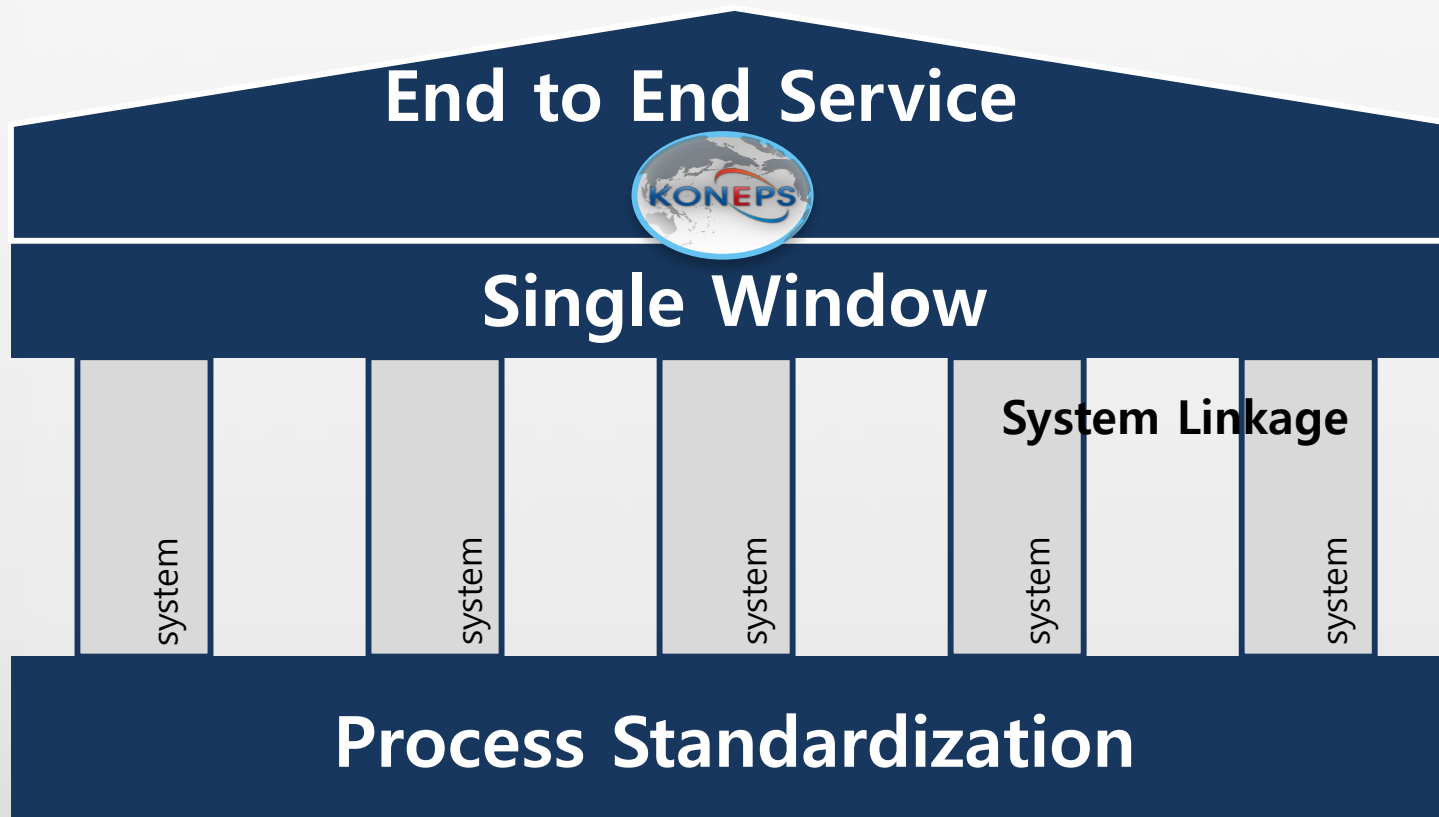
- **Business registries (8 Countries)**
- **Tax registries (7 Countries)**
- **Budgeting System (6 Countries)**
- **Social Security Databases (6 Countries)**

* Source : GOVERNMENT AT A GLANCE 2017 , OECD(2016) Survey on Public Procurement

Core Concept of KONEPS



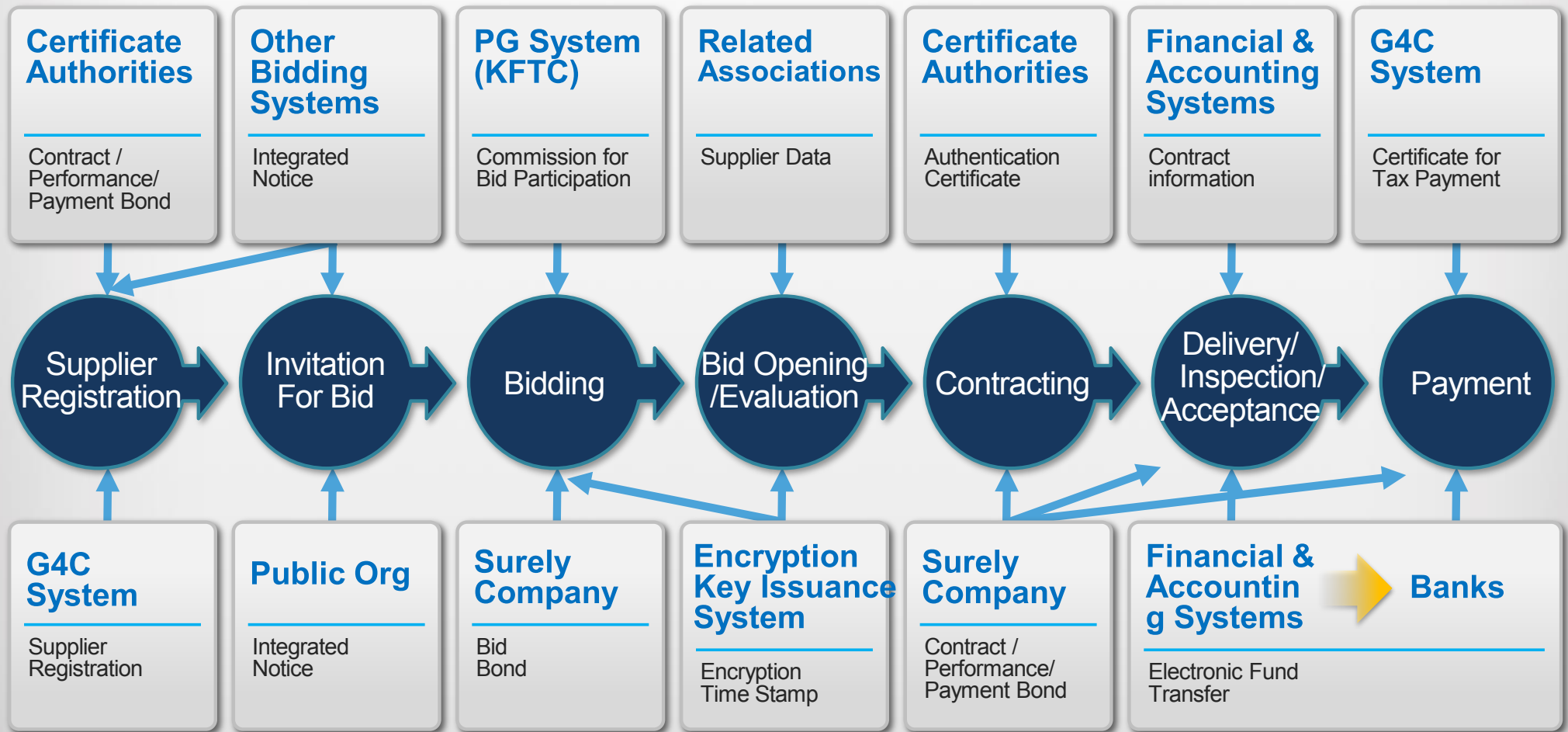
- KONEPS : Korea Online E-Procurement System.
Based on standardized process, linkage with other systems enables KONEPS to provide end-to-end service



KONEPS Linkage by Procurement Process



- All process are digitalized from supplier registration to payment
- Linkage with 191 external systems



Linkage by Function of Procurement



Linkage Function Categories of KONEPS



Processing support

Procurement Process

- Supplier credit info.
- Past performance
- Bond/ guarantees
- Tax info.
- Product certification info.

Function support

- Public authentication
- Electronic settlement
- Electronic payment



Information sharing

Procurement info.

- Purchase request info.
- Bidding info.
- Contract info.
- Supplier registration info.

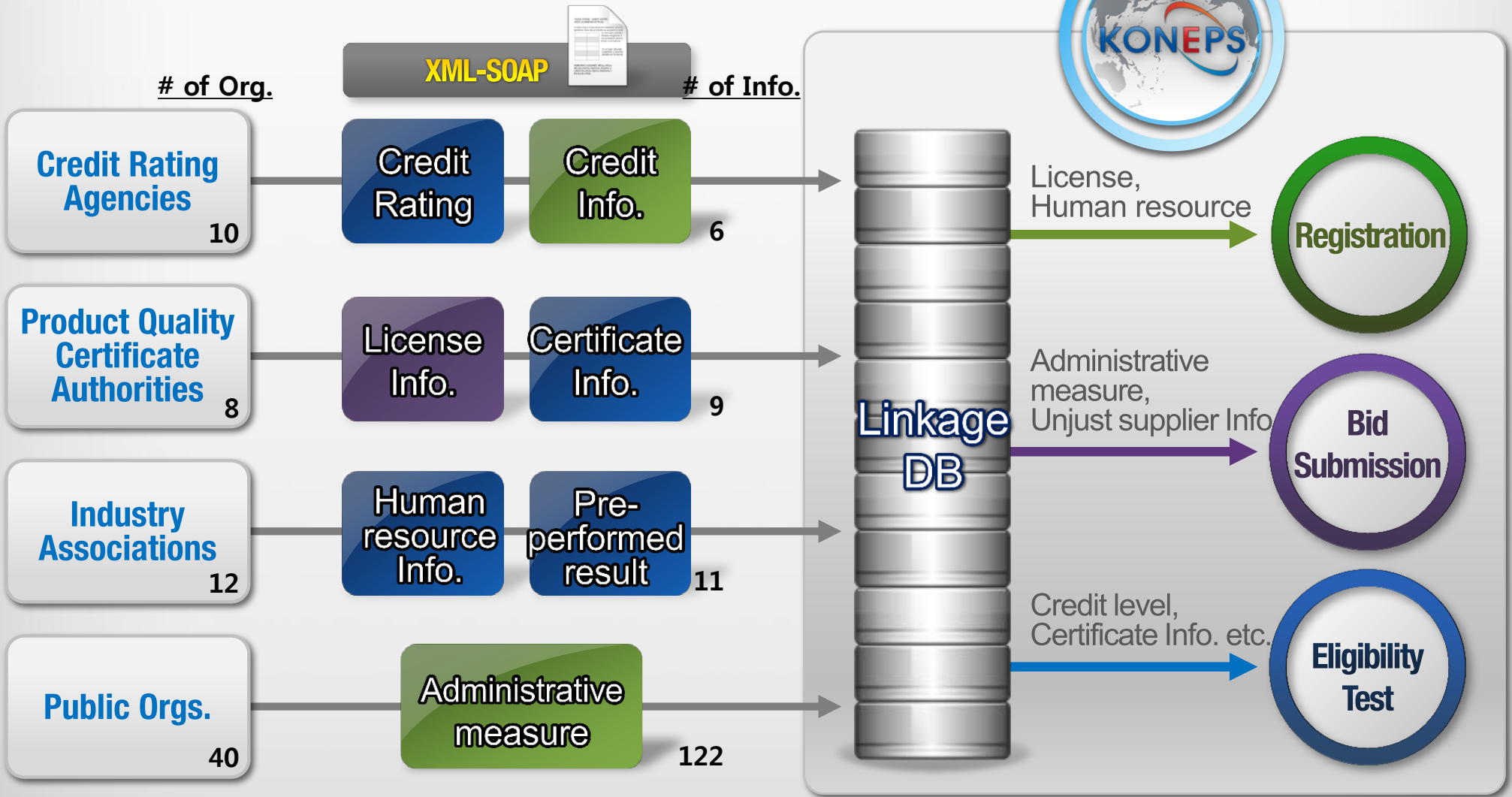
Basic info.

- Quality Certification info.
- Product info.
- Catalog info.

Processing Support : e-Bidding



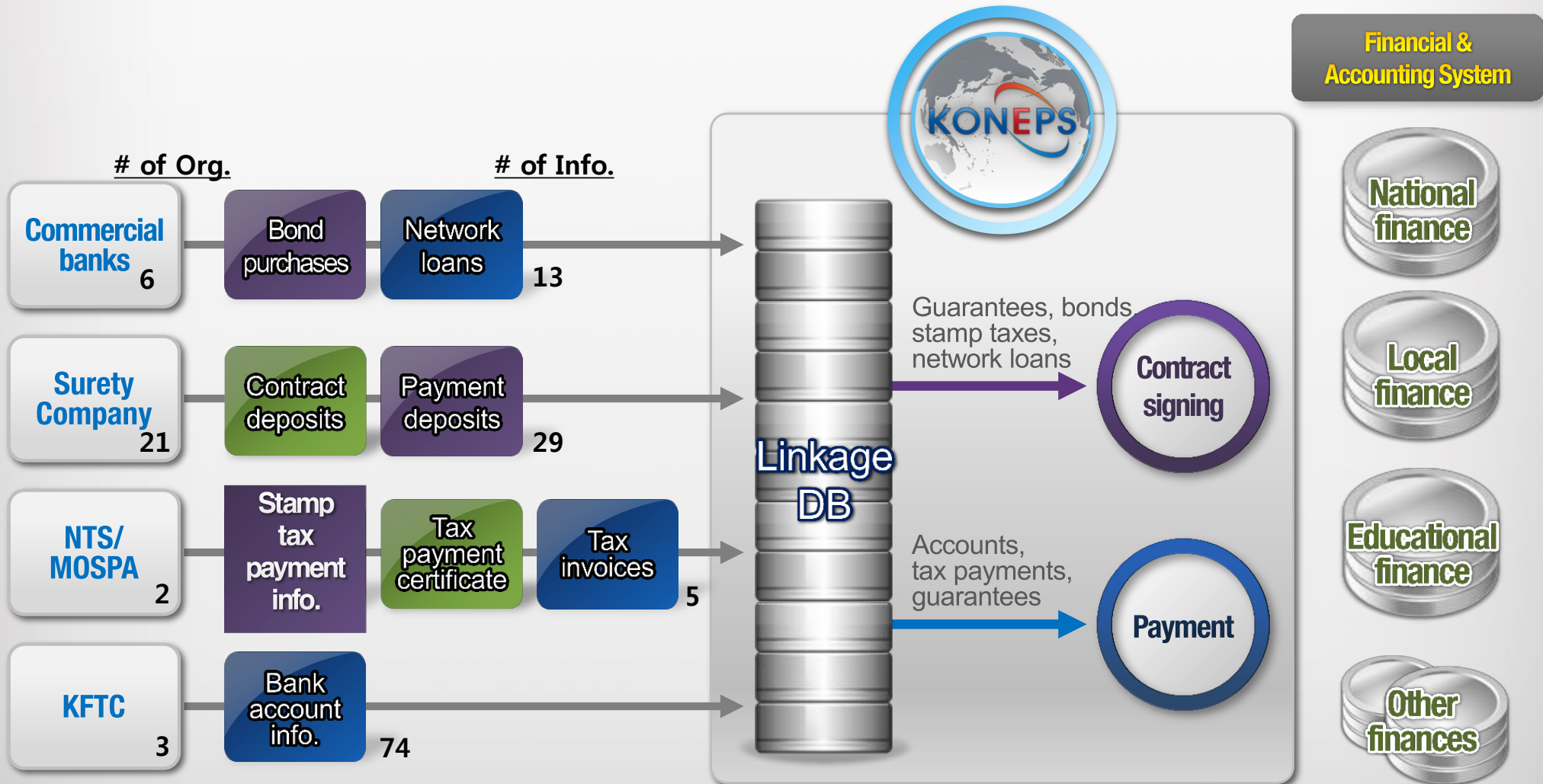
148 types of info. gathered from 70 organizations to provide bidding information



: Contracting & Payment



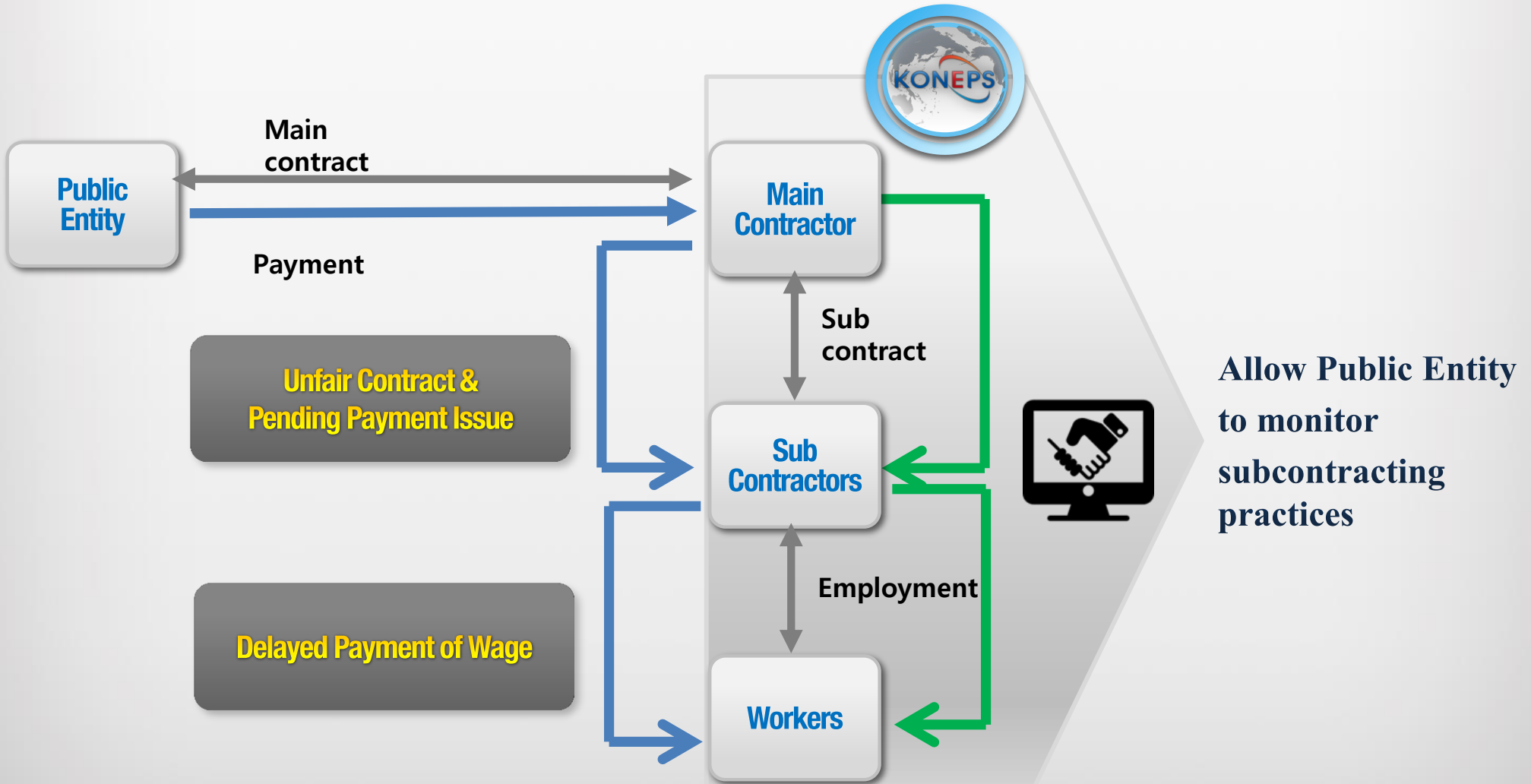
110 types of info. from 41 organizations sorted in four categories for contracts and payments



Subcontract Management System



Enhance fair subcontract trade, solution for cooperative relationship between main and sub-contractors

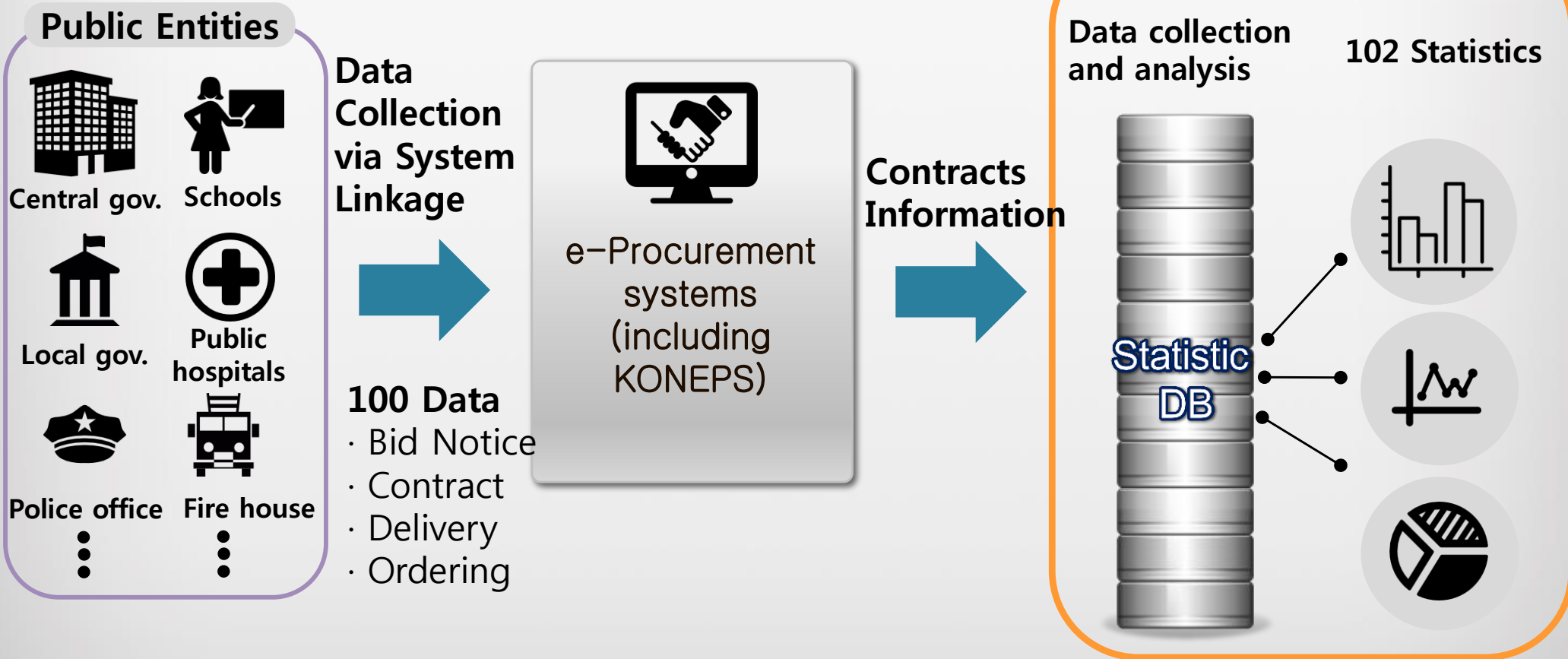


Public Procurement Statistic System



Entire public procurement data in Korea is collected for efficient procurement policy making and analysis

Launched in March 2015



Lesson Learned on System Linkage



1 Building partnership with institutions for system linkage

- Partnership terms must be specified through set of rules or MOU
- PPS has national contract law and MOU for the linkage

2 Use of single standard under common system protocol

- To maintain a huge amount of info in a consistent manner, it is critical to follow standards
- PPS using standards like XML and SOAP

3 Plan for Security Issues

- Depending on type of linked info, security guarantee must be made in varying degrees
- In particular, containing personal info. or sensitive corporate info. need special attention
- PPS is using public authentication-based encryption and electronic signature

4 Law and regulations for information sharing

- Electronic Government Act
- Act on Utilization and Promotion of e-Procurement

Way Forward on System Linkage



Expansion of cross border procurement information

- By system linkage of bidding notices of countries, there will be great opportunity of participating high-quality suppliers
- Sharing National Certification such as Green product, Energy level, through among linked e-procurement systems

Standardization of international procurement process and info. formats

- To encourage international procurement, standardization is needed for international procurement process and information formats



Thank You

