

# Electronic bidding core system

Japan Construction Information Center

2010.8.5

# Agenda

- Our role
- The e-bidding core system development consortium
- The e-bidding core system
- Spread of the Core System
- Future plans

# Our role

- We support the introduction and installation of CALS/EC to go smoothly at local public agencies.
- We develop the e-bidding core system with establishing the e-bidding core system development consortium.

**The e-bidding core system  
development consortium**

# Member of the consortium

Chairman : JACIC Chairman  
Vice Chairman : SCOPE Chairman

**Full Members** (IT vendors)

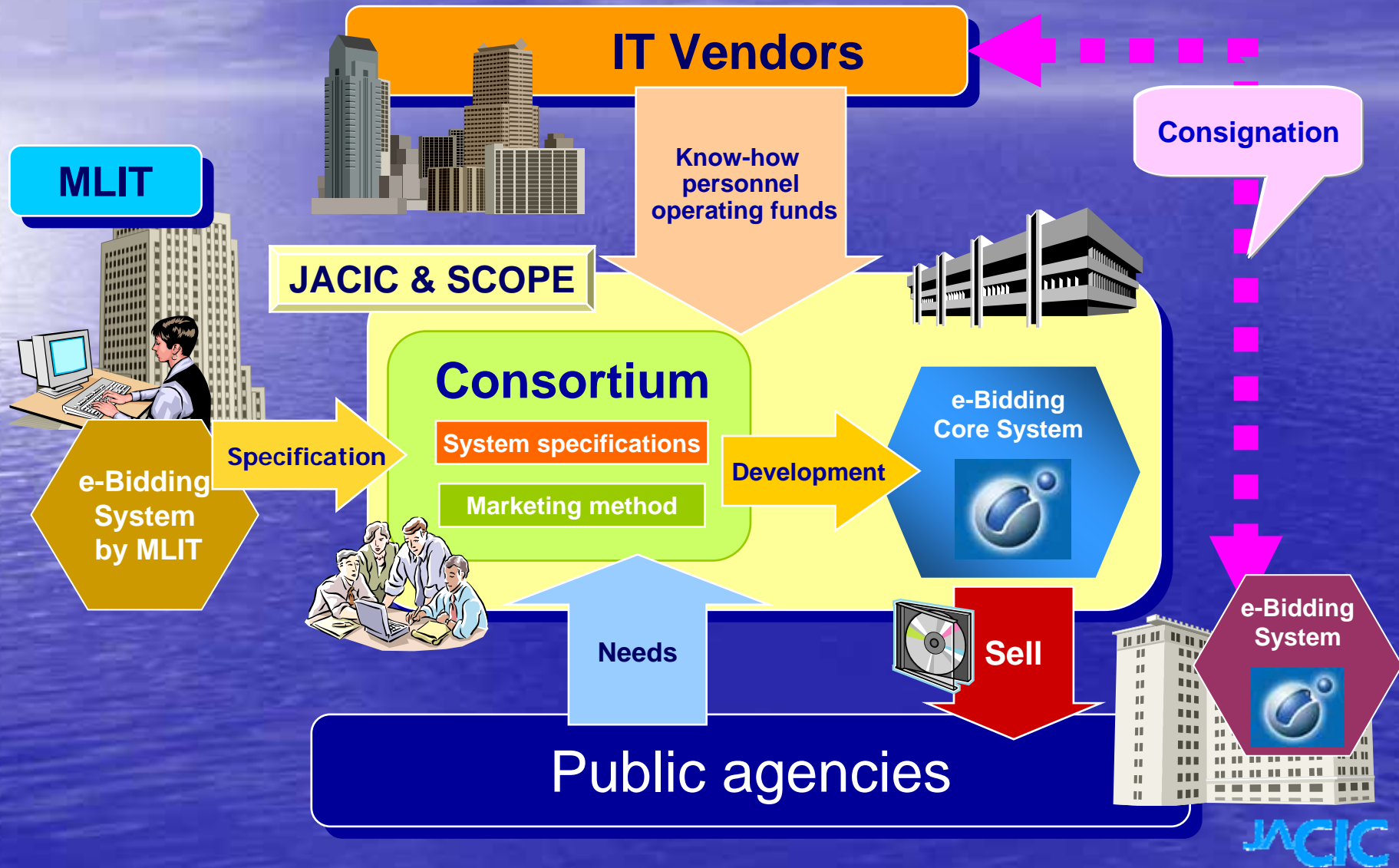
**Supporting Members**  
(IT vendor , consultant company , construction company etc.)

**Special Members** (Public agencies)

**Secretariat** (JACIC, SCOPE)

SCOPE : Service Center of Port Engineering

# Outline of the consortium



# E-Bidding Core System

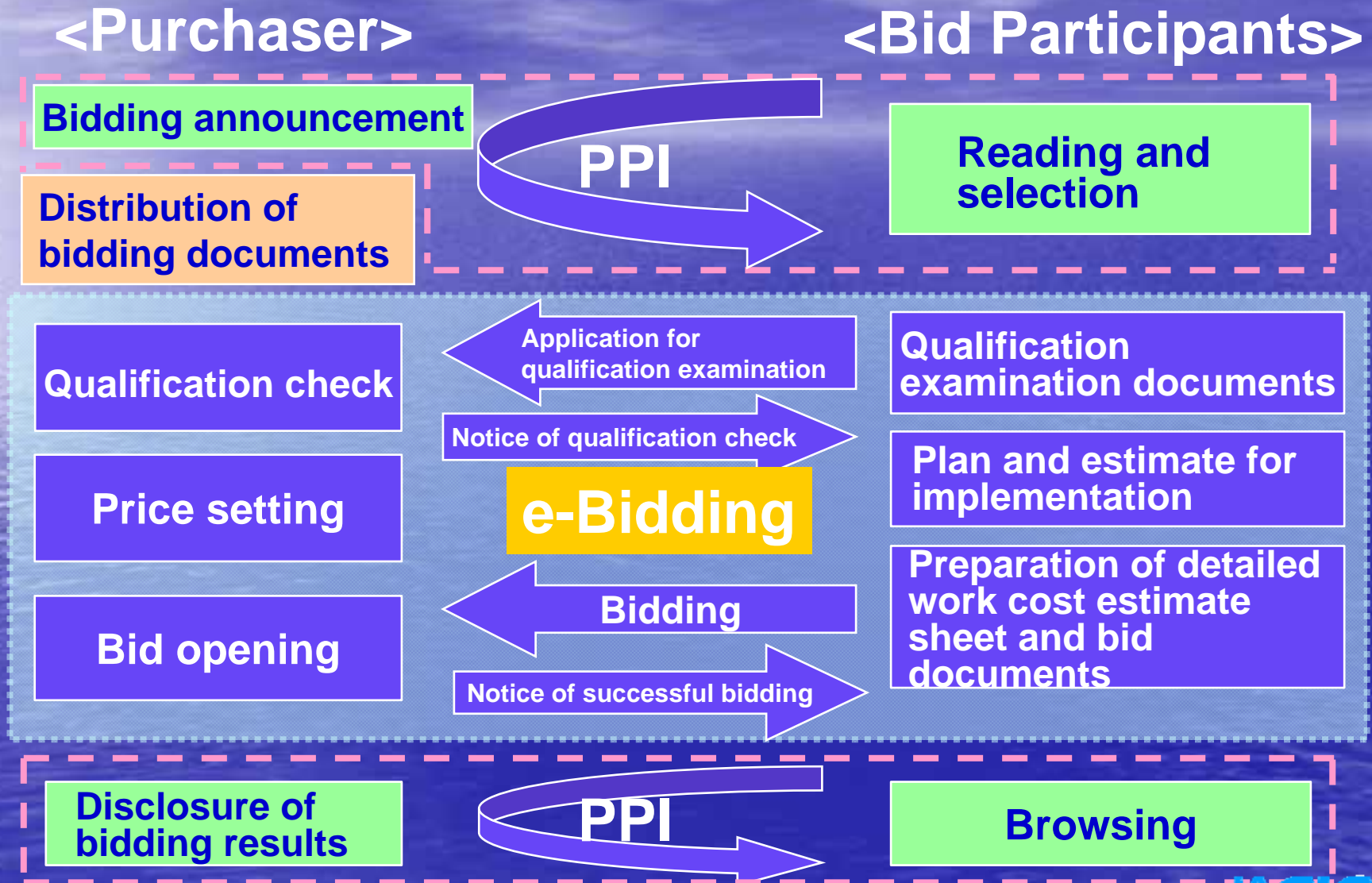
# Overview

- The core system provides the “core” for the highly flexible e-bidding system that can be used by multiple public agencies.
- All functions necessary for e-bidding implemented in this system.





# E-Bidding business flow



# Users needs

Purchasers

Maintain existing operation

Suits or needs

Link to other systems

Add original function

...etc

Highly flexible system

Bit participants

Standardized PC screen & Operation

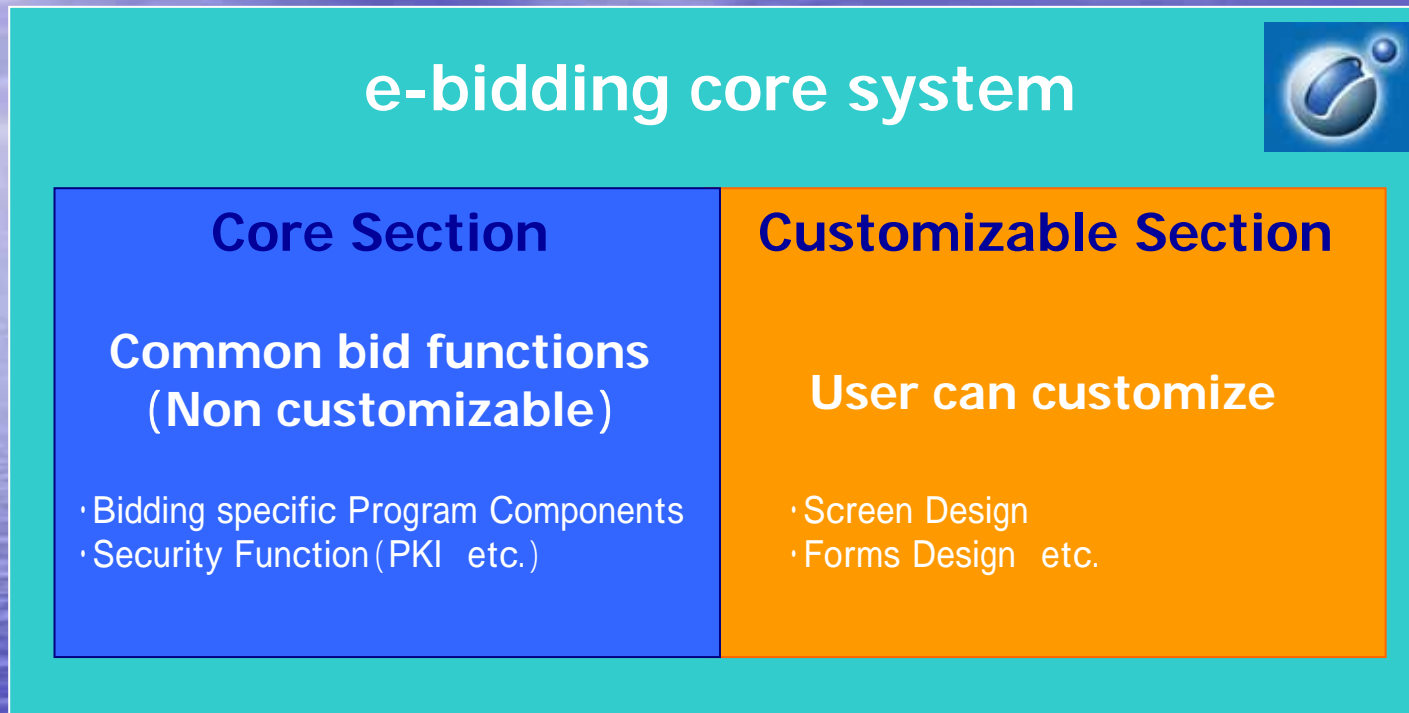
Unified authentic methods

Low Price

...etc

Common unified system

# Core system structure



- The basic functions required for e-Bidding are implemented in the “Core Section”.
- The “Customizable Section” allows screen design changes and free modifications to linkage function with related systems.

# Multi-platform

Public agency s e-bidding system

e-bidding core system

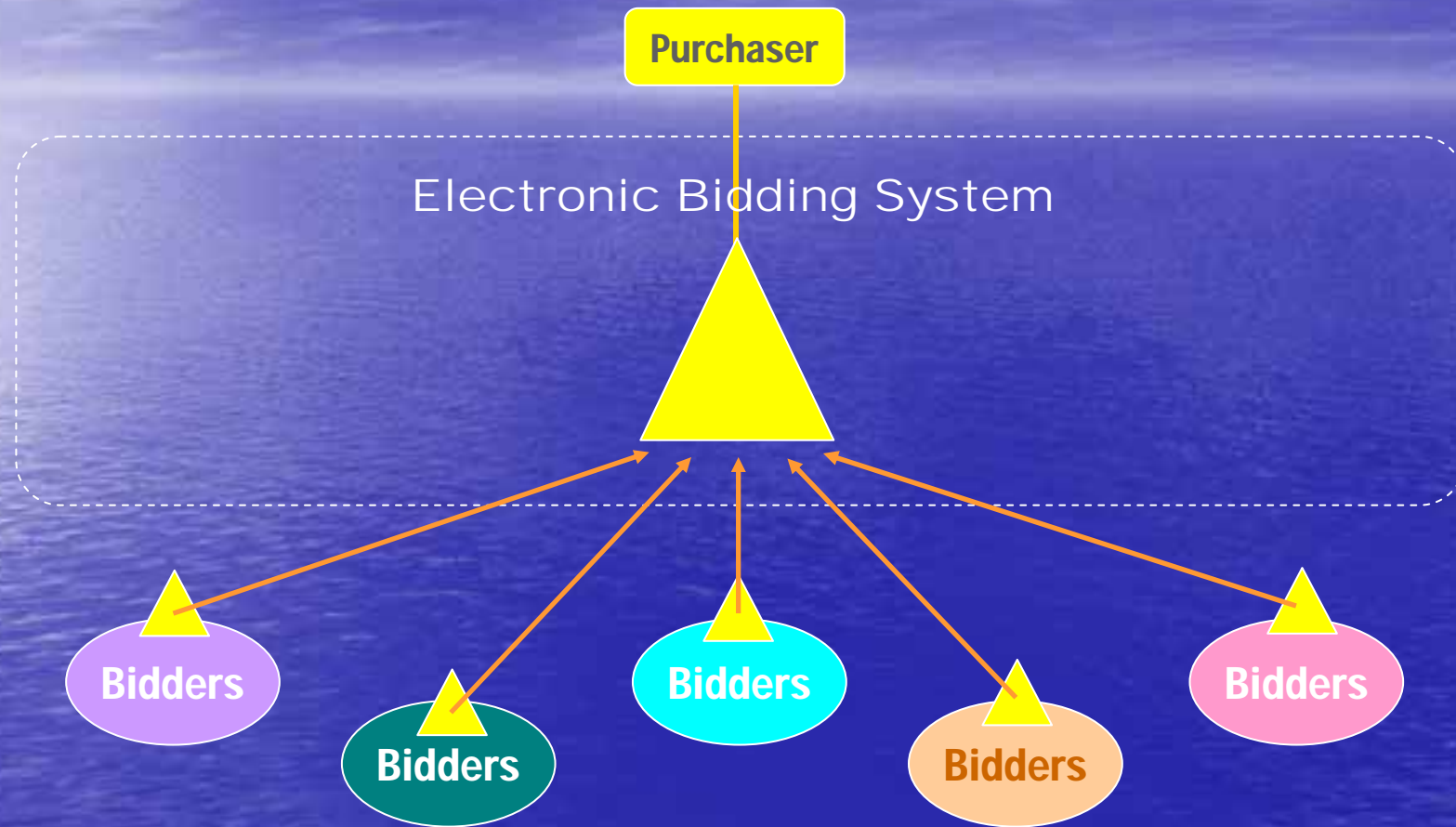


Java Execution Environment

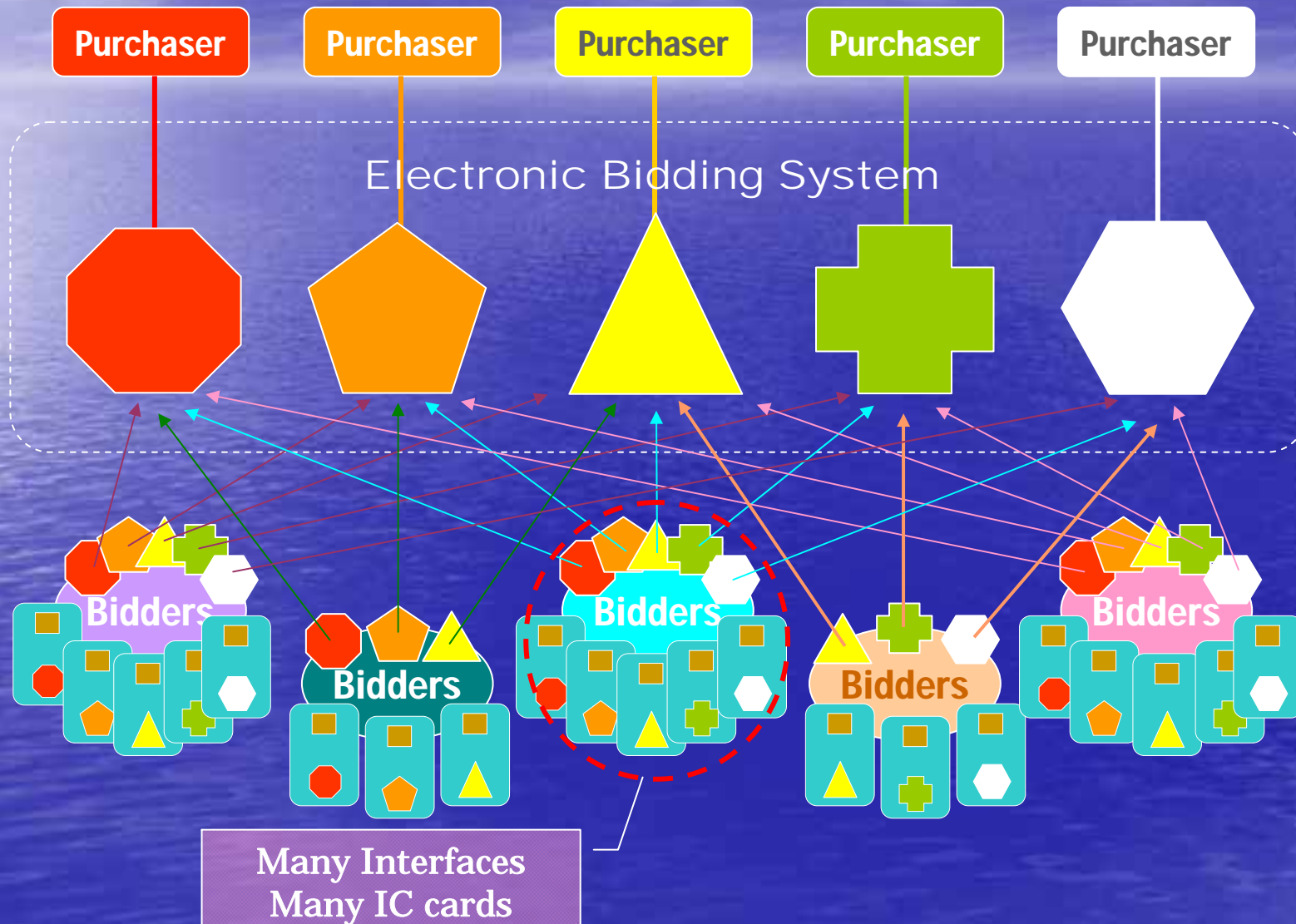
OS: Operating Systems  
(UNIX, Windows, Linux)

- Multi-platform support is provided for compatibility with multiple operating systems (UNIX, Windows, Linux).

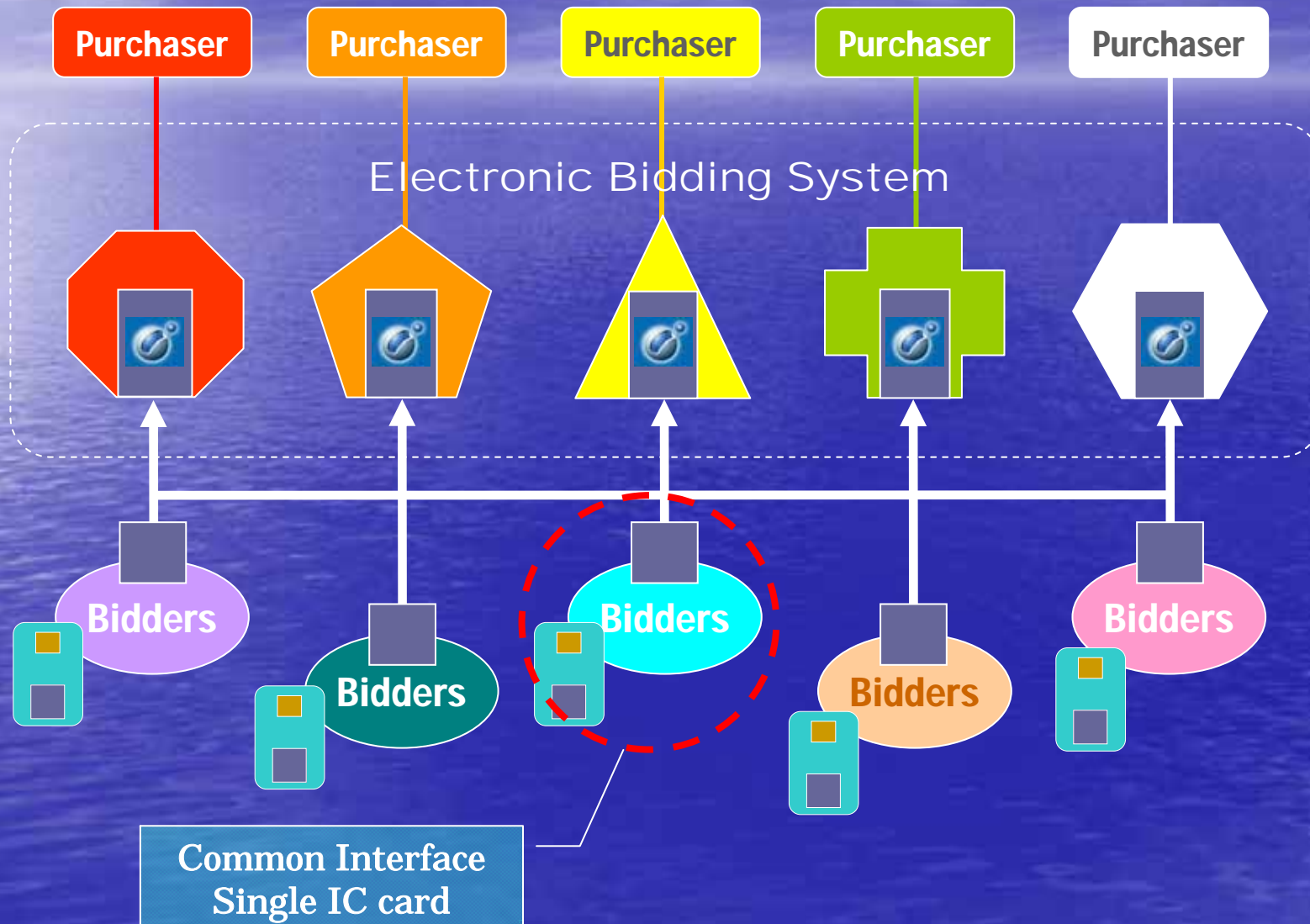
# Standardization



# Standardization

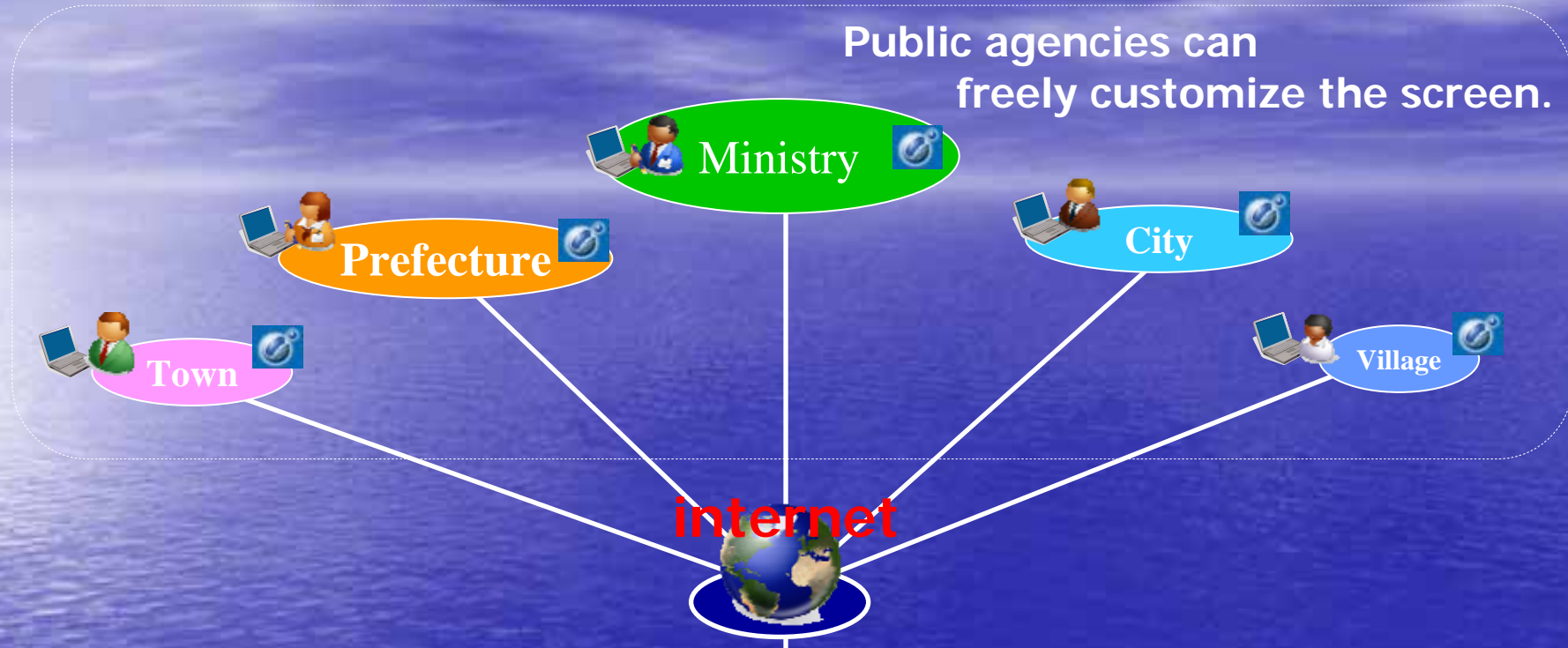


# Standardization



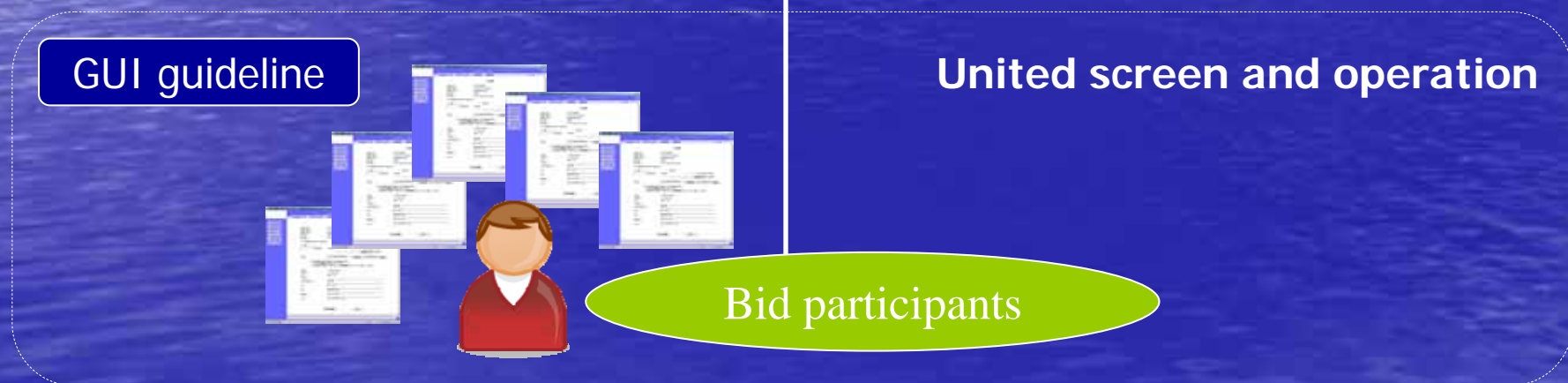
# GUI guideline

Public agencies can freely customize the screen.



GUI guideline

United screen and operation





# Supported Bidding Methods

Construction	Open competitive bidding Publicly-invited, designated competitive bidding Designated competitive bidding Work-specified designated competitive bidding Optional contract
Service (Consulting service for construction)	Publicly-invited competitive bidding Simple public invitation type designated competitive bidding Designated competitive bidding Publicly-invited proposal Simple public invitation type designated proposal Standard proposal Optional contract
Goods & Others service	Open competitive bidding Designated competitive bidding Optional contract

# Authentication

The core system supports  
multiple authentication services.

Purchaser

GPKI : Government Public Key Infrastructure

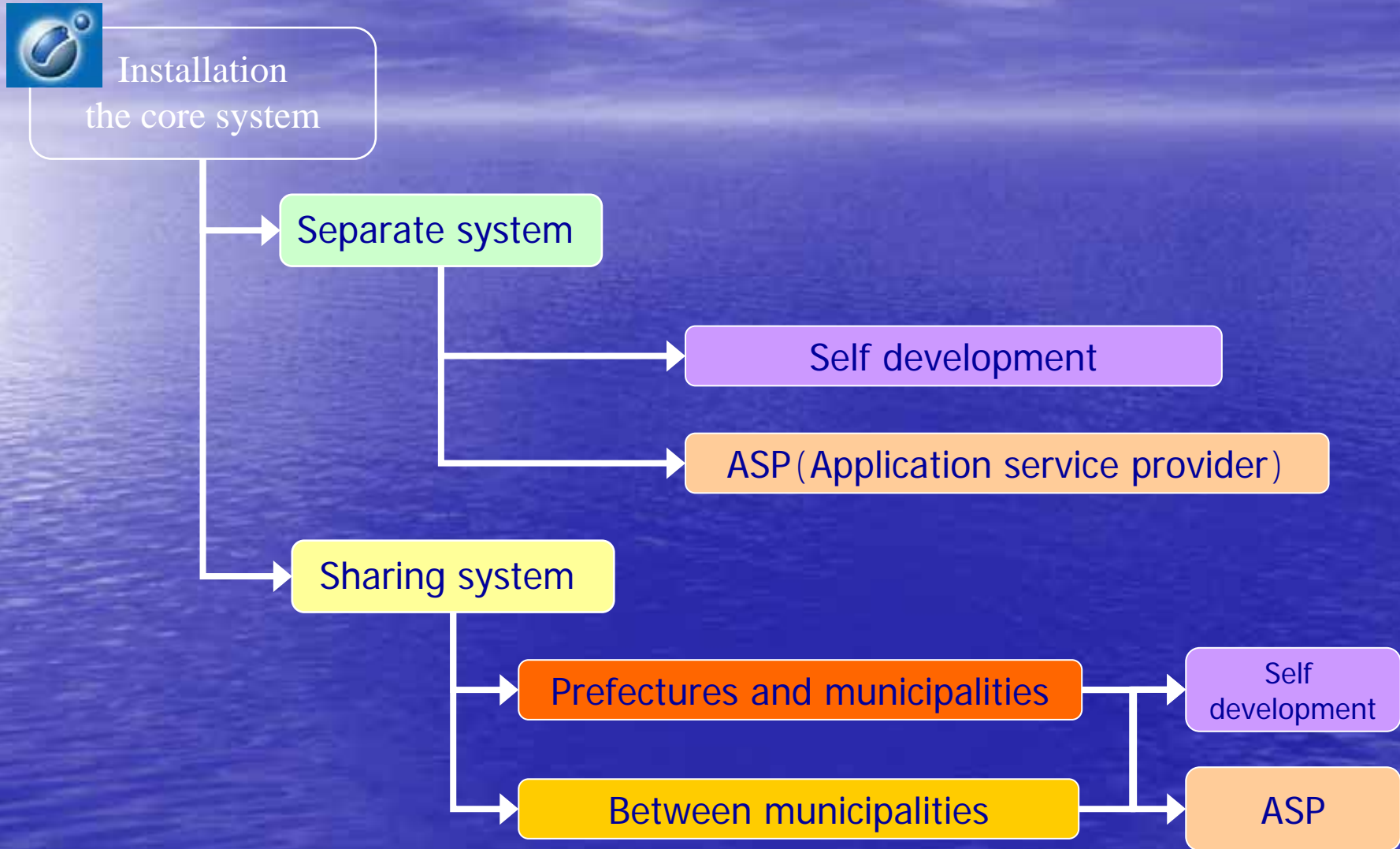
LGPKI : Local Government Public Key Infrastructure

Bit participants

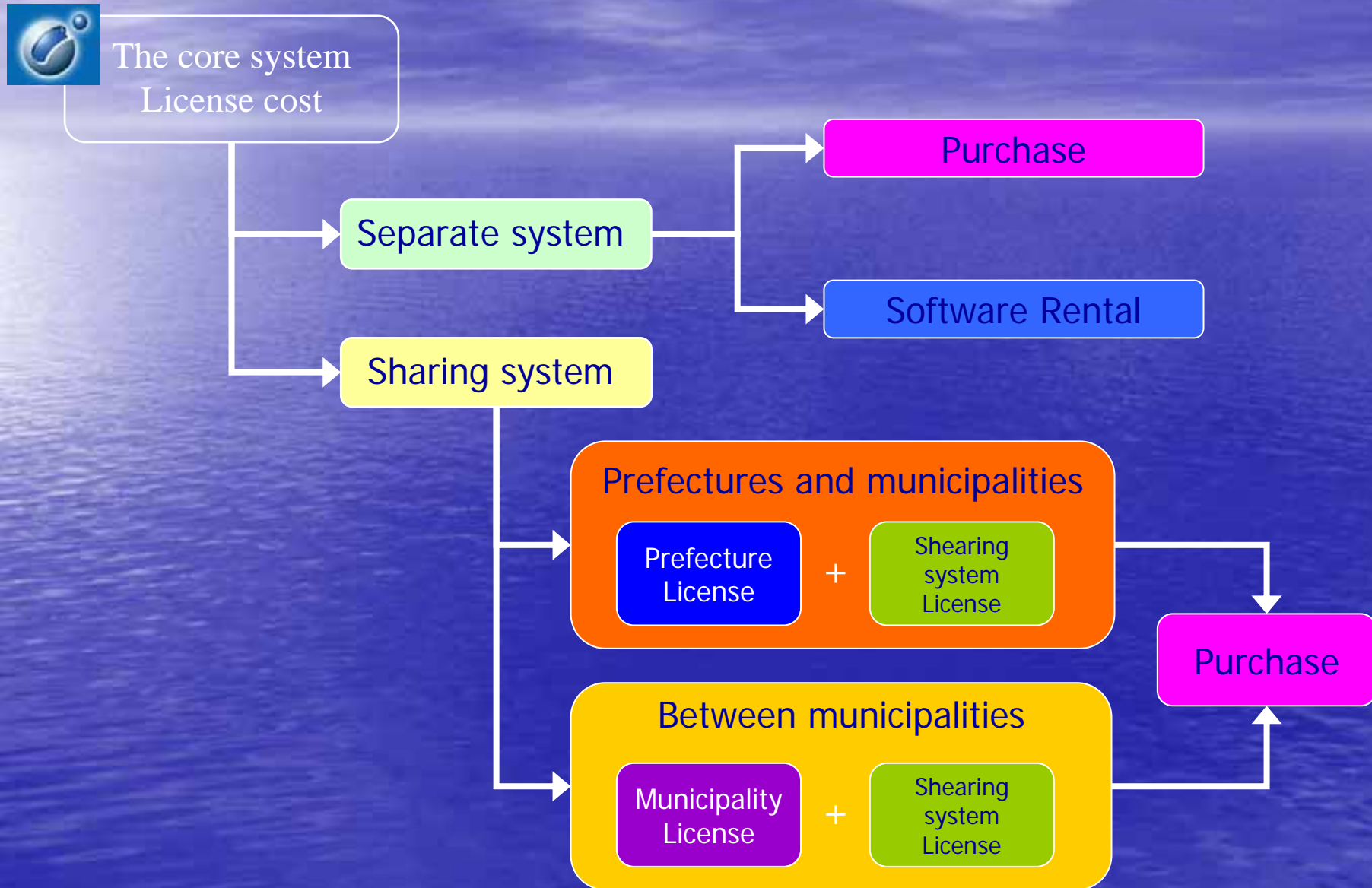
Certification authorities :

9 Certification services by private sector

# Installation the core system



# Cost plan



# Spread of the Core System

# Spread of the Core System

## ■ Central Government Organs (9)

(July. 2010)

- Ministry of Land, Infrastructure, and Transport
- Ministry of Finance
- Ministry of Justice
- Ministry of Education, Culture, Sports, Science and Technology
- Ministry of Health, Labour and Welfare
- Ministry of Agriculture, Forestry and Fisheries
- Ministry of Defense (Equipment Procurement and construction office)
- Cabinet Office (Okinawa General Bureau)
- Supreme Court of Japan

## ■ Public Corporations (16)

## ■ Local Public Agencies (568)

- Prefectures (45 / 47 )
- Government Designates Cities (18 / 19 )
- Others (505)

# Future plans

# Future plans

Encryption algorithm transition in Japan (2013).

Keeping up with new bidding process and advanced ITC technology.

Cooperating with e-contract. etc.





# END

Thank You for your attention

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<http://www.cals.jacic.or.jp/english>