

Open Standard and SOA support Service-oriented Government (SoG) Reform

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Agenda

- **SoG reform & e Gov innovation**
- **Understanding open standard and SOA**
- **Promotion strategy and plan on SOA**
- **SOA practices in e-Gov**

International reference examples in e-Gov

- **EICTA from European e-government**
 - Using information technology to improve public services
 - i2010 eGovernment Action Plan
 - EICTA EU eGovernment Industry Declaration

- **Massachusetts's open file policy**
 - Breaking the old closed system
 - implementating the new open system

- **China is building a service-oriented e-gov**
 - Improving public service system
 - Supporting service-oriented government

Requirements of e-Gov from SoG

- **Service-oriented-government (So-Gov) needs IT support from e-Gov**

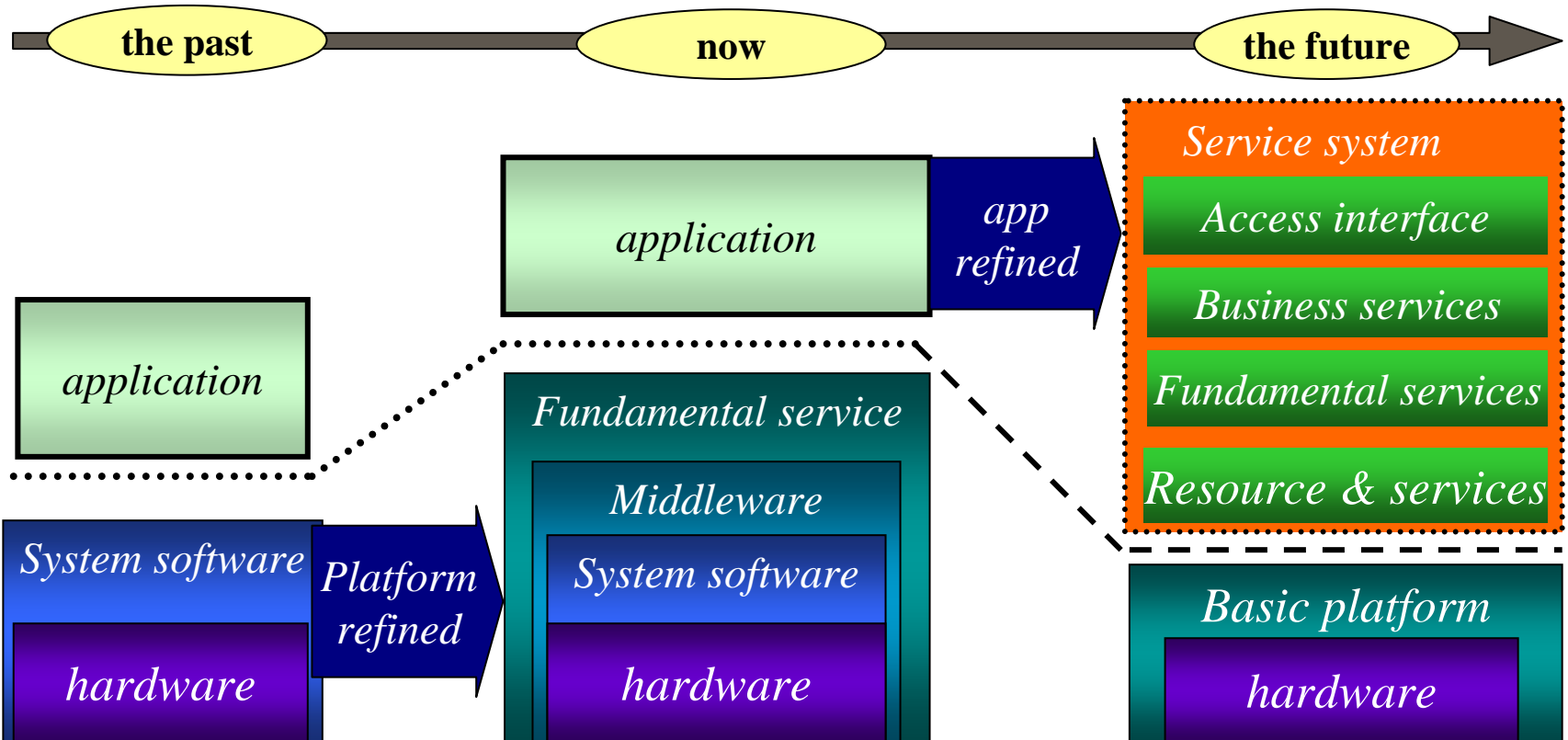
- **Features of *So-Gov***
 - **from the internal processes to service performance and end user's value**
 - **from intra-departmental to intra-departmental coordination business**
 - **Shorten construction period and the satisfaction of dynamic consumer requirement changes**
 - **Emphasis on resource sharing and reuse of information assets**

Bottlenecks facing in SoG reform

- **Technologies Constrain business**
- **Fragmented application**
- **Information island**
- **Long construction period**
- **Weak Agility of application system**
- **High investment risks**

e-Gov development road leads to SoG reform

- ⚡ **users:** function .vs. services on demand
- ⚡ **architecture:** close and fixed .vs. open & flexible
- ⚡ **Integration methods:** tightly-coupled .vs. loosely-coupled



SOA, a good choice to support SoG

- ⌚ Advantages of SOA include at least:
 - ⌚ Focus on actual business effects and concentrate on “services”
 - ⌚ The proper infrastructure to display and provide “services”
 - ⌚ Suitable for the integration of heterogeneous and frequently changed systems
 - ⌚ Suitable for the construction of cross-organizational and cross-boundary, cross-application sharing and coordination system
 - ⌚ protect the original investment while maximize the inherent investment performance

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Understanding for open standard

- **features of open standard include**
 - **Open IPR rules**
 - **Open development interfaces**
 - **Open access to standard documents**
 - **Open technical discussion**
 - **Open & knowledgeable standard processes**
 - **Durable customer supports**
 - **Broadly ICT implementation**

Values of open standard

- **open standards are**
 - **The base to encourage innovation**
 - **Breaking technical monopolization**
 - **Strategic tools to promote software development for information developing countries**
 - **The fundamental bases of SOA**
 - **The strategic direction of Changfeng Alliance**

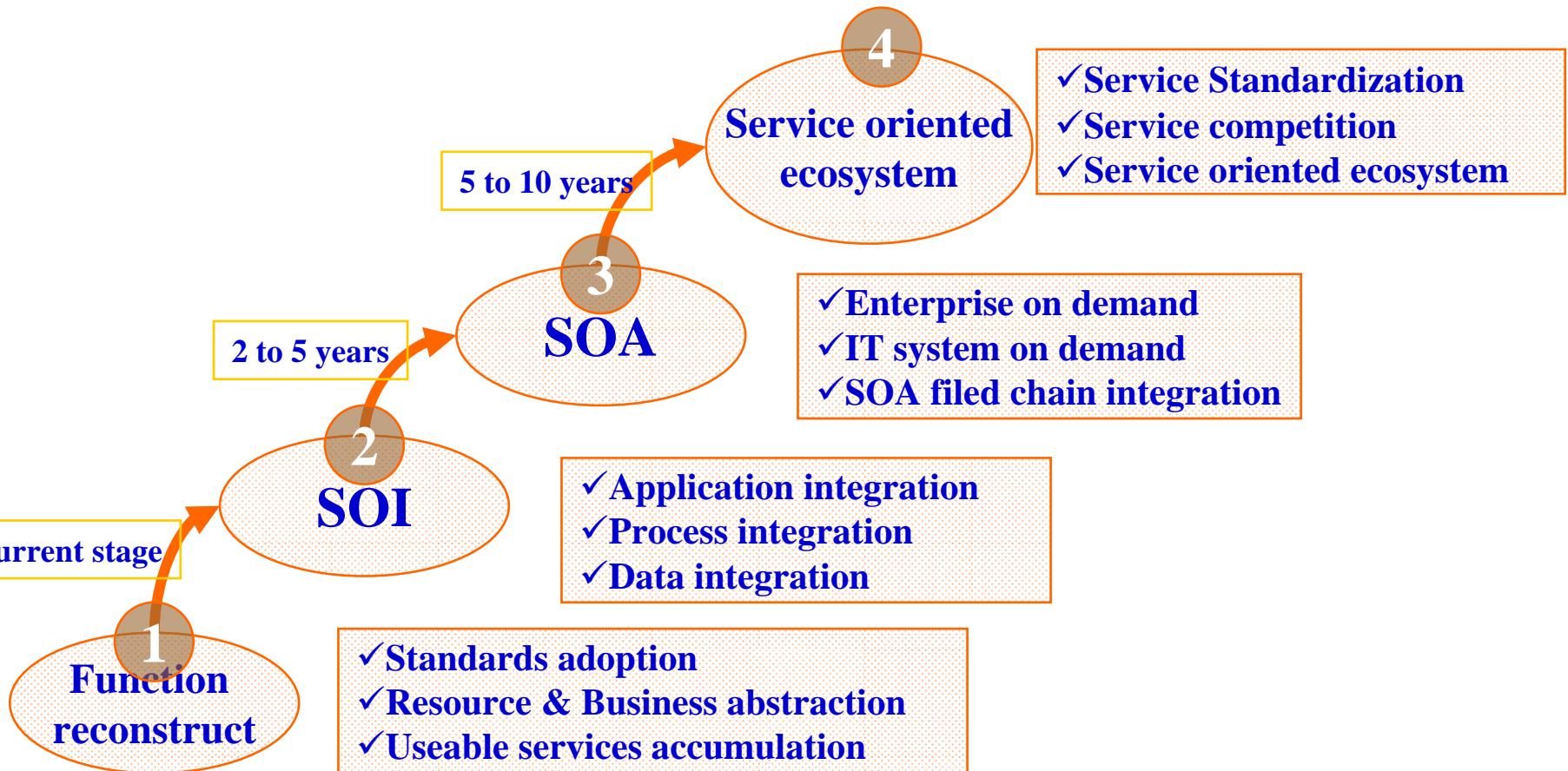
Key drivers to promote open standards

- International standard organization (OASIS)
 - **Harmony & collaborate Global standards process**
 - **Grasp the needs & status of the industries and industrial application**
 - **Encourage the development of standards and practice usages**

- Industry alliance (such as changfeng Alliance)
 - **Breakthrough enterprise restrictions and accelerate the industrialization process**
 - **Open concept and focus on the implementation of standards**
 - **Connect international standards with regional integration (such as link up ODF with UoF)**

- Individual enterprises
 - **The main participants and practice entity of open standards**
 - **Collaboration on Industrial value chain , large scale adoption of the standards**

Evolution of Service oriented ecosystem in e-Gov



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SOIL-promotion strategy for SOA

Standards

- ❑ to implement and promote of open standards
- ❑ To promote the form of interoperation framework

Open

- ❑ To build open collaboration innovation mechanisms
- ❑ To promote open technology ecosystem

International

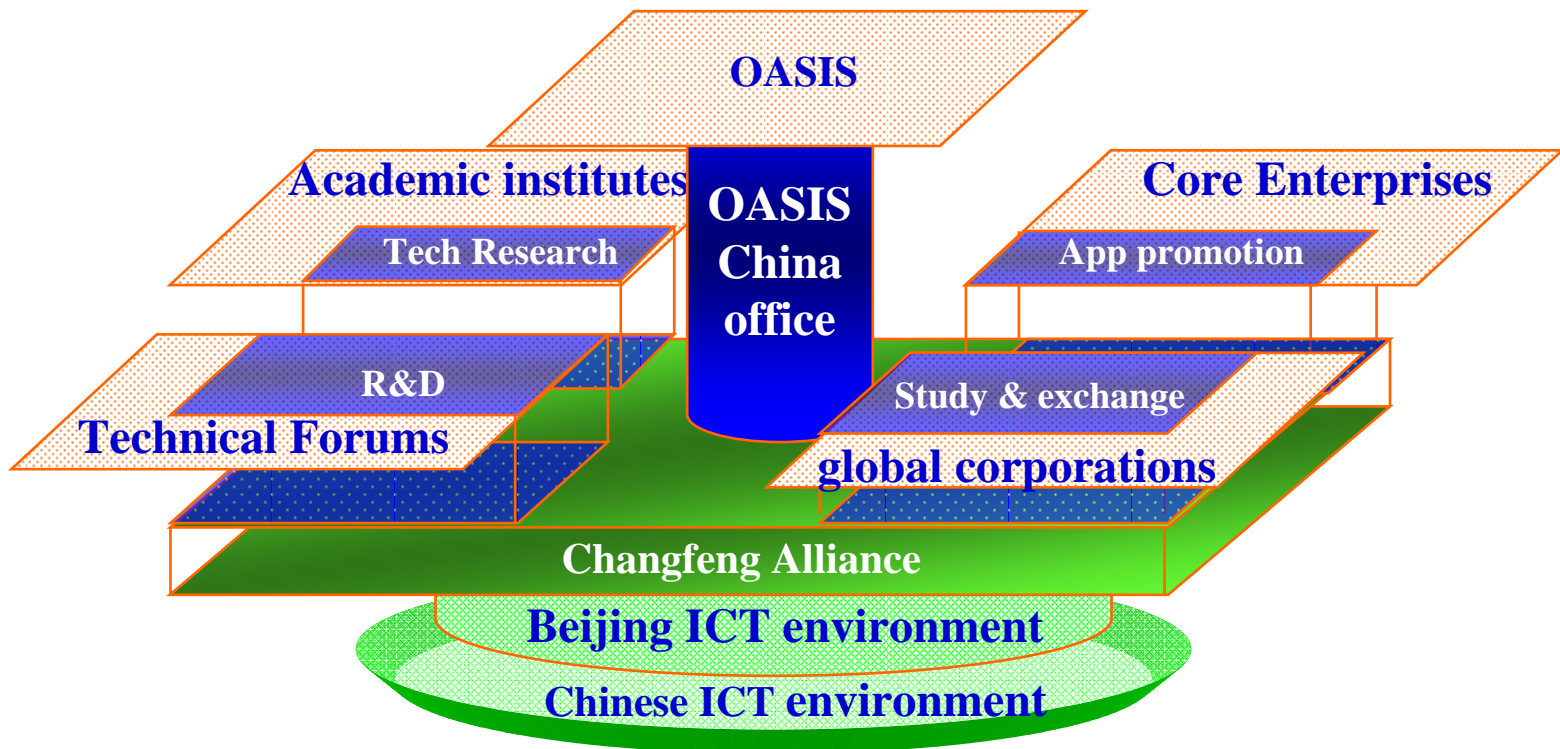
- ❑ To cooperate with international organization
- ❑ To partner with international & domestic enterprises, academic institutes promote open system

Leverage

- ❑ To focus on the combination of open standards and industrial processes
- ❑ To encourage implementation in e-Gov

Open innovation technical system

Learning from OASIS experience , changfeng Alliance has established open collaboration innovation system



R&D, application overall arrangement

Changfeng Alliance has formed a technical working group (TF) mechanism to research, develop and form solutions supporting implementation of open standard & SOA

SOA-RA-TF

*To define SOA reference mode
To standardize the design of SOA solution*

SOA-AP-TF

*To establish application and success practice of SOA
To enhance ability to expand the scale of using SOA*

SOA-QA-TF

*To define testing standards related to SOA
To authenticate of SOA solution*

ITSM-TF

*To establish standard related service and conduct
To reunify enterprises service capabilities*

FAST strategy in changfeng Alliance

■ Framework

- To establish SOA technical system ,which including the necessary elements, standards, norms, as well as the basic common interface elements

■ Architecture

- Based on specific examples, to establish overall technical framework with reusable, Loosely coupled features

■ Solution

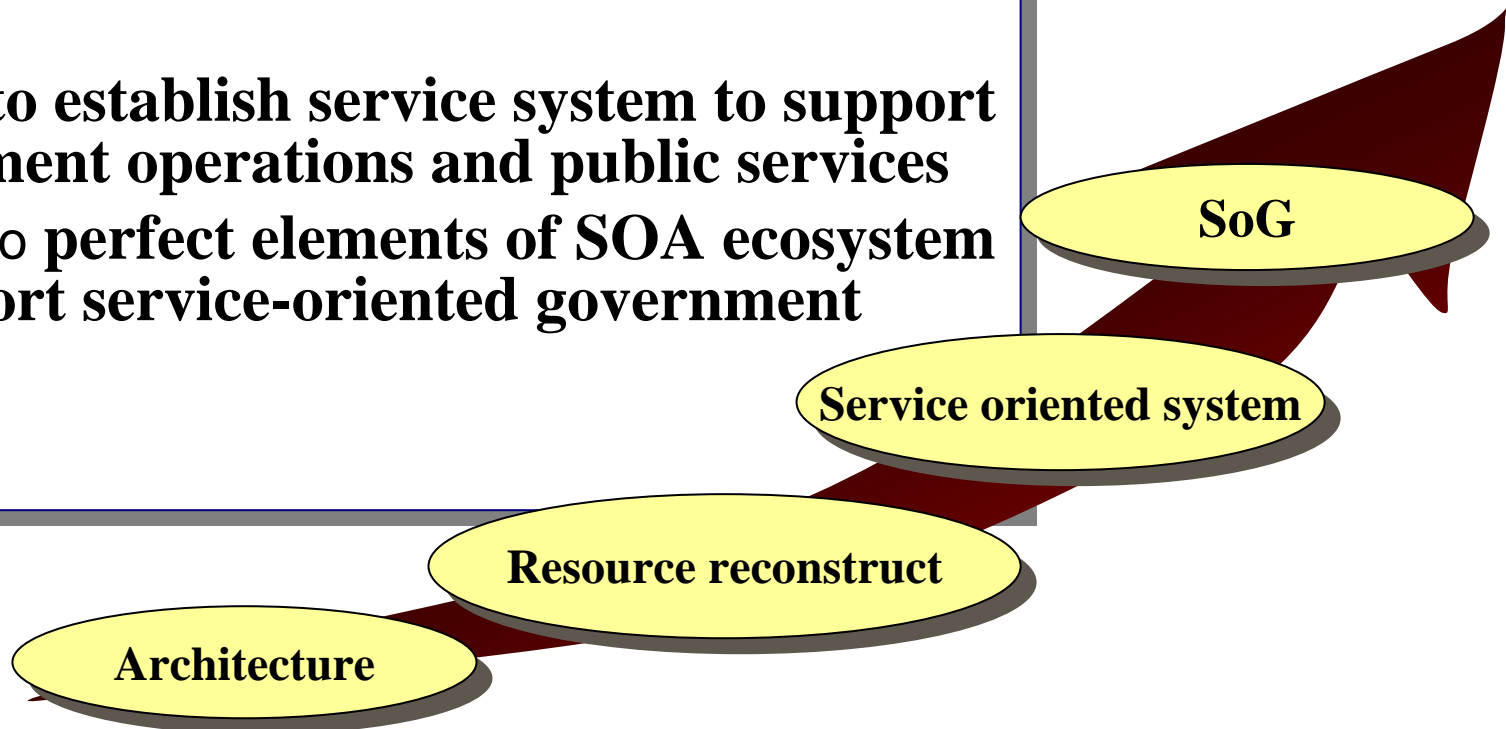
- To build application solutions meet hot demands in e-government

■ Testing

- To provide a comprehensive basis for quality testing and assurance

Promotion plan for SOA

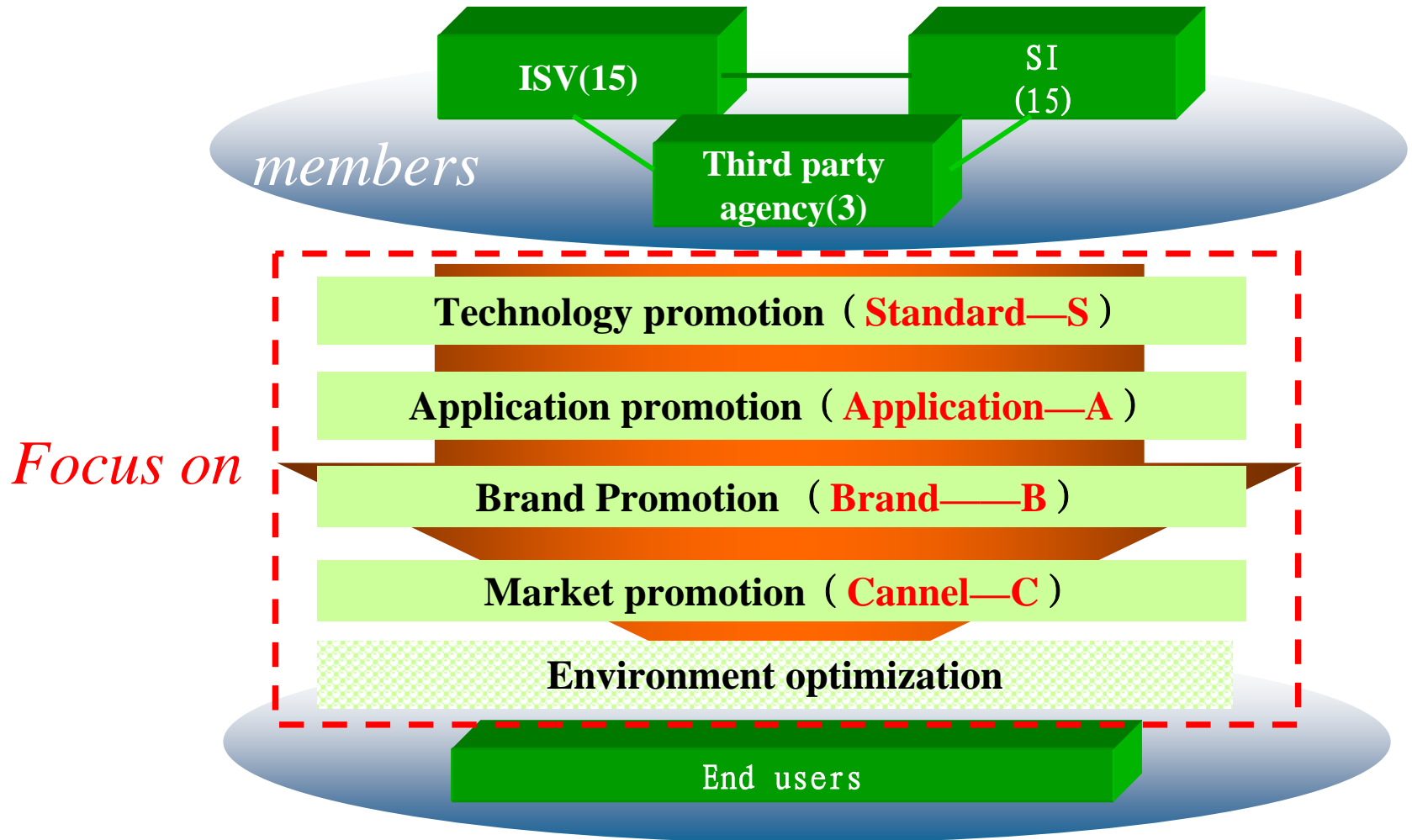
- ④ **Step 1.** to establish unified framework & technical standard reference database
- ④ **Step 2.** to reconstruct e-government resources and business processes
- ④ **Step 3.** to establish service system to support government operations and public services
- ④ **Step 4.** to perfect elements of SOA ecosystem to support service-oriented government reform



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Changfeng's mission



Changfeng's Development



*establishment
preparing*

*alliance
established*

*join beijing
software
Association*

*Join
OASIS*

*Member
increased
to 32*

*China
OASIS
office*

**Jun,
2004**

**April,
2005**

**August,
2005**

**March,
2006**

**April,
2006**

**August,
2006**

**Formally
established
(22 members)**

**Join
OASIS**

**Sign MoU
with
OASIS**

Changfeng's advantages

- **Standards**
 - participates in the building of the advance service technology industry standards in china
 - To develop and promote industry standards
 - To promote the implementation of ODF & UoF in china

- **Market share of Chinese e-Gov**
 - **According to statistics, Chinese e-Gov Top 100 enterprises amounted up to 18 billion yuan in 2005**
 - **changfeng have 13 member in Top 100, and holds 30.48% of Top 100 e-Gov market , about 20% of total China e-gov market**

- **Strong development prospects**
 - China has strong requirements for standard & technologies
 - Changfeng identified open system & SOA as important strategy

SOA application opportunities in e-Gov

- ⌚ **Resource sharing & exchange, and business collaboration are key demands in e-Gov in china**

- ⌚ **Projects on Integration and Innovation based on existing construction projects have come forth in Chinese e-Gov, such as**
 - ⌚ Public service system
 - ⌚ City population/ emergency monitoring system
 - ⌚ Health monitoring system

Introduction of typical SoG cases (1)

- **China stock governance** information integration engineering
 - Requirements include:
 - Public service system integration
 - Vertical governance system integration
 - Horizon governance system integration
 - Key elements for implementation:
 - Interface integration (SSO/unified interface/portal)
 - Application integration (process integration, business orchestra, etc)
 - Data integration(meta-data, specification & standard)

Introduction of typical SOG cases (2)

- Platform for the sharing of information resources in **Taicang City, JiangSu province**
- CMC e-government projects in Zhongguancun
- E-Gov projects in the Beijing Economic and Technological Development Zone
- City Management Information System in Chaoyang District
- ...

Our open collaboration plan(1)

- **Establishment of sound & scientific hub for SOA and open standards**
 - To fully cooperate with the International Organization on technology & Standard
 - Support OASIS china region office
 - To cooperate with international enterprises to promote open system
 - To cooperate with other international research institutions, international organizations and experts

Our open collaboration plan(2)

- **Strengthen construction of industry standards based on open standards & SOA**
 - To hold seminar exchange on technology, and application of the standards in e-government to deal with China application Summit
 - **Important activities include:**
 - OASIS OpenDay in China in 2007
 - Seminar on SOA Technology and Application experiences in e-government

Thanks for your
attention

