A journey from Pilot e-Procurement to Cloud-enabled SaaS e-Procurement

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Pilot e-Procurement

A Web-based procurement system

- Supports departments to conduct low-value end-to-end purchases
- from raising requisition… to receiving suppliers' quotations,….up to interfacing payment information to the payment system.

It is being used by three departments:

Immigration Department;
Environmental Protection Department; and
Office of the Government Chief Information Officer.

Internal Network

Internet

E-Procurement System

Internal Portal for

Government users

Internal Procurement Portal

E-Catalogue

E-Sourcing

Internal Workflow System

Raise request,…,
Issue invitation,

Receive quotations,
Open quotation box,…

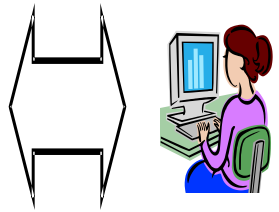
Evaluate quotations,…,
Recommend offer,…

Place order,…,

Accept goods/service,…,
Prepare payment information.

External Procurement Portal

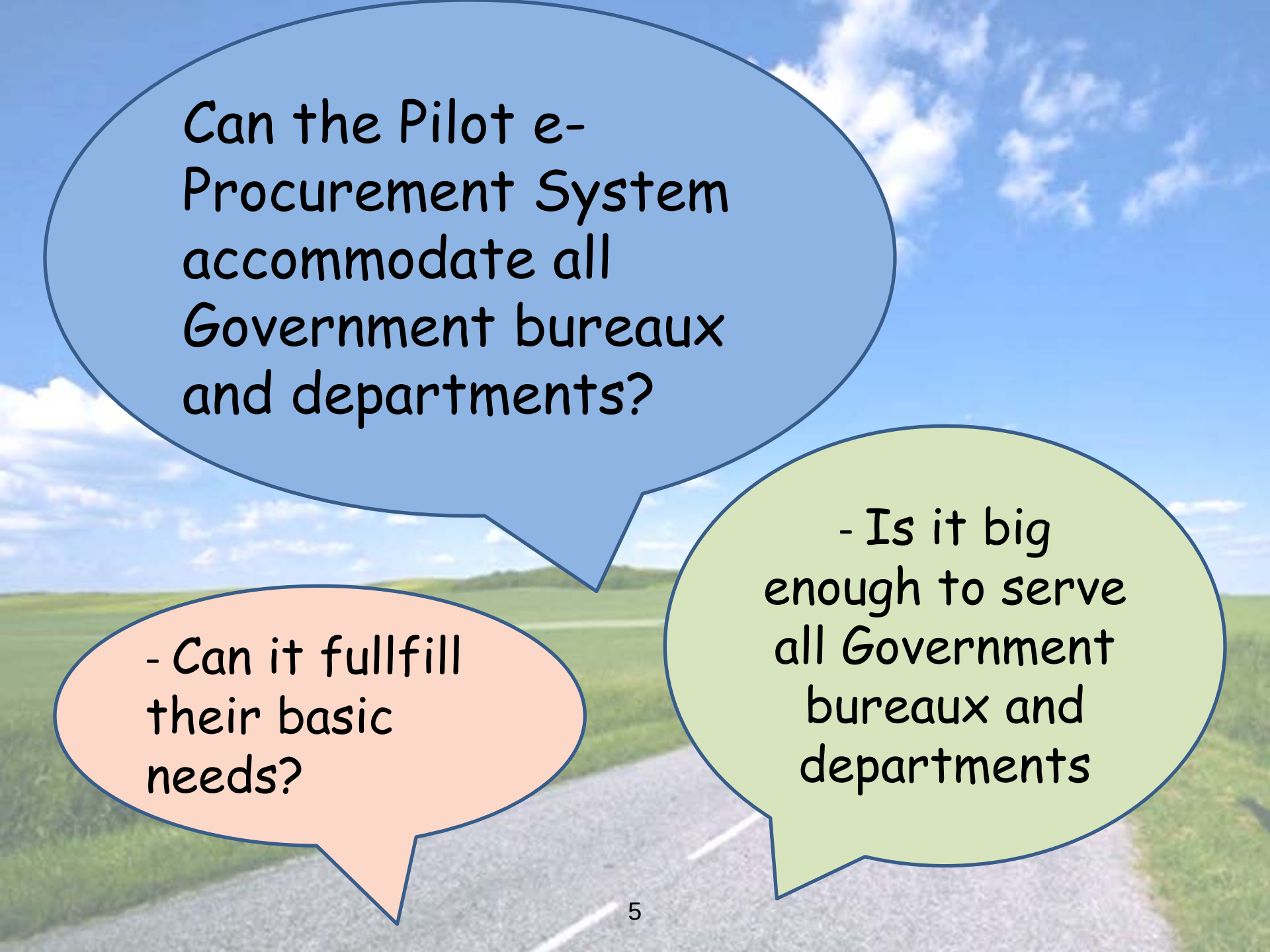
External Procurement Portal



Suppliers

- The system was fully launched in February 2011.
- A review was conducted to assess its benefits.
- A business case for wider rollout of e-Procurement was established.

We plan to have more government bureaux and departments using the e-Procurement System. BUT…


Can the Pilot e-Procurement System accommodate all Government bureaux and departments?
- Is it big enough to serve all Government bureaux and departments
- Can it fullfill their basic needs?

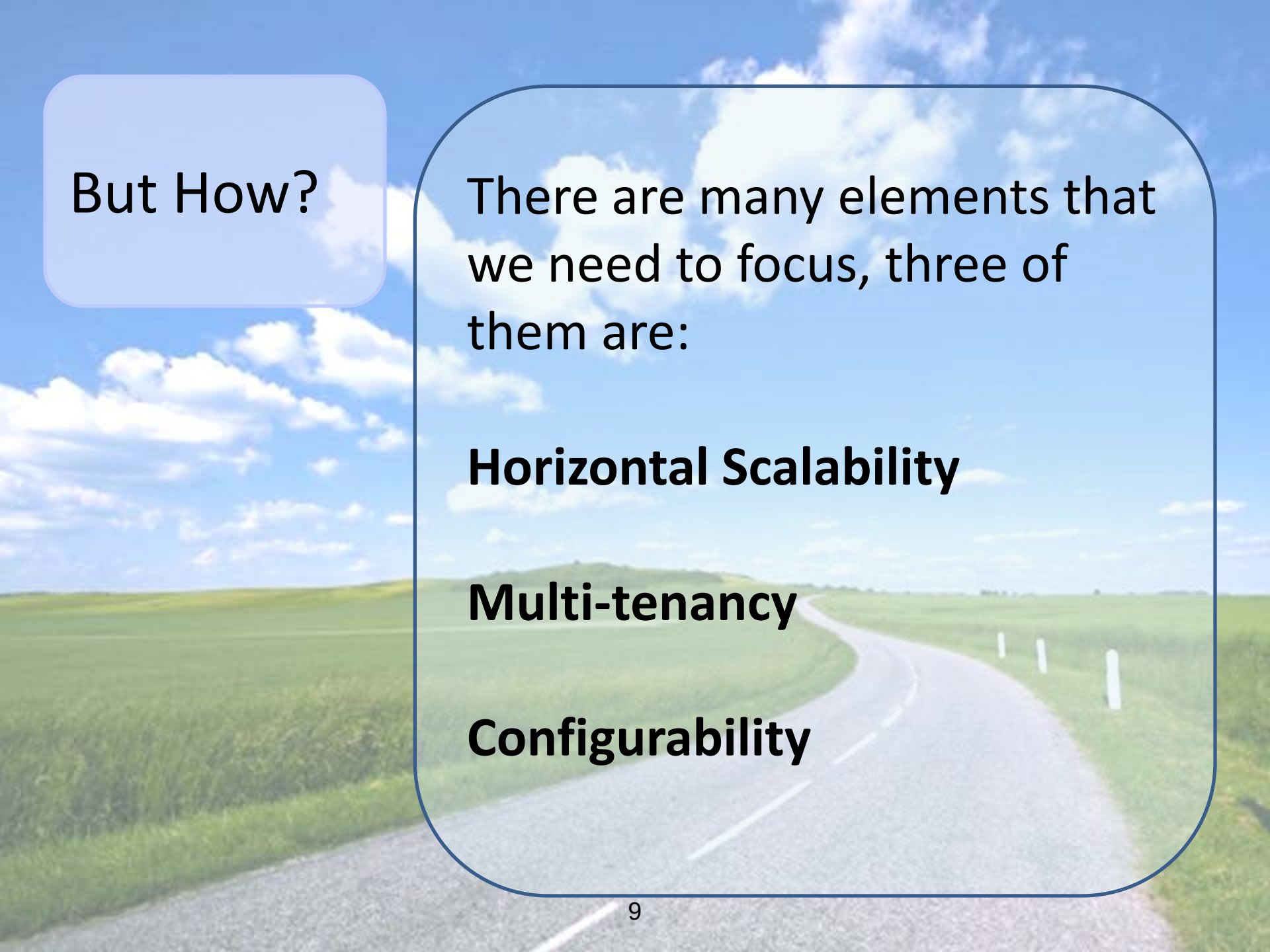
Is it big enough?

Two “obvious” choices:

- Give the application to bureaux and departments and let them install the application themselves?

- Build a BIG e-procurement system to accommodate all of them?

We need to build a share-used
e-Procurement System that is elastic –
to enjoy the elasticity of the
infrastructure provided by the Cloud.


But How?
There are many elements that we need to focus, three of them are:
Horizontal Scalability
Multi-tenancy
Configurability

Horizontal Scalability

Adding and removing components to address variable demand without re-developing the application.

Multi-tenancy

Accommodate multiple tenants; each of them seems having its own system.

Configurability

Built in configurability to address the needs of different tenants without modifying the application.

We reached our destination in our journey to Cloud-enabled SaaS e-Procurement

- **In December 2013 – Cloud-enabled e-Procurement Service was launched to enable all bureaux and departments to conduct purchase of IT products and services through existing bulk purchase contracts.**

- **In April 2014 – Full functions of Cloud-enabled e-Procurement Service was launched to enable bureaux and departments to conduct all their low-value purchases (i.e. value at or below $1.43 million).**

The End