

THE BERKMAN CENTER FOR INTERNET & SOCIETY  
AT HARVARD LAW SCHOOL

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# *Open ePolicy Group*

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**October 14, 2005**

# Roadmap *for* Open ICT Ecosystems



## **Goal of the Roadmap**

Changing mental models . . .

and how people . . .

**See      Manage      Sustain**

**ICT Ecosystems**

# Roadmap *for* Open ICT Ecosystems



Connectivity

Access

Collaboration

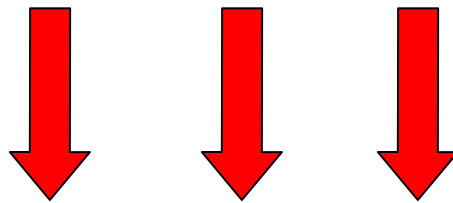
Transparency

*Openness*

# Roadmap for Open ICT Ecosystems



## *Openness*



### **ICT Ecosystem**

Policies      Stakeholders      Standards  
R&D  
Processes      Legal Framework  
Technologies      Procurement  
Economic factors

# Roadmap *for* Open ICT Ecosystems



**What?** What are open ICT ecosystems?

**Why?** Why open an ICT ecosystem?

**How?** How do open ICT ecosystems evolve?

# Roadmap *for* Open ICT Ecosystems



## What?

**Principles** for open ICT ecosystems

**Interoperable**

**User Centric**

**Collaborative**

**Sustainable**

**Flexible**

<b>Openness enables:</b>	<b>WHY?</b>		
	<b>Government</b>	<b>End Users</b>	<b>Industry</b>
<b>Choice / Competition</b>	<ul style="list-style-type: none"> <li>▪ Negotiating leverage</li> <li>▪ Lower migration burdens</li> </ul>	<ul style="list-style-type: none"> <li>▪ Product selection</li> <li>▪ Lower costs</li> </ul>	<ul style="list-style-type: none"> <li>▪ New &amp; niche markets</li> </ul>
<b>Access</b>	<ul style="list-style-type: none"> <li>▪ Interoperability</li> </ul>	<ul style="list-style-type: none"> <li>▪ Transparency</li> <li>▪ Knowledge sharing</li> </ul>	<ul style="list-style-type: none"> <li>▪ Lower entry barriers</li> </ul>
<b>Control</b>	<ul style="list-style-type: none"> <li>▪ Functionality, upgrades, scalability</li> </ul>	<ul style="list-style-type: none"> <li>▪ Future use of data</li> </ul>	<ul style="list-style-type: none"> <li>▪ Level playing fields</li> <li>▪ Keep pace with tech developments</li> </ul>
<b>Bottom Line:</b>	<b>EFFICIENCY</b>	<b>INNOVATION</b>	<b>GROWTH</b>

# Roadmap for Open ICT Ecosystems



## How?

**Scoping**

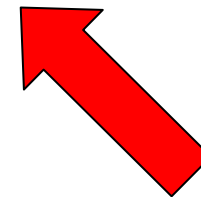
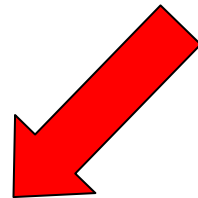
**Baseline Audits / Mapping**  
**Maturity Models**  
**Business Case**  
**Selection Criteria**

**Polycymaking**

**Open Standards**  
**Service Orientation**  
**Software**  
**Innovation**

**Managing**

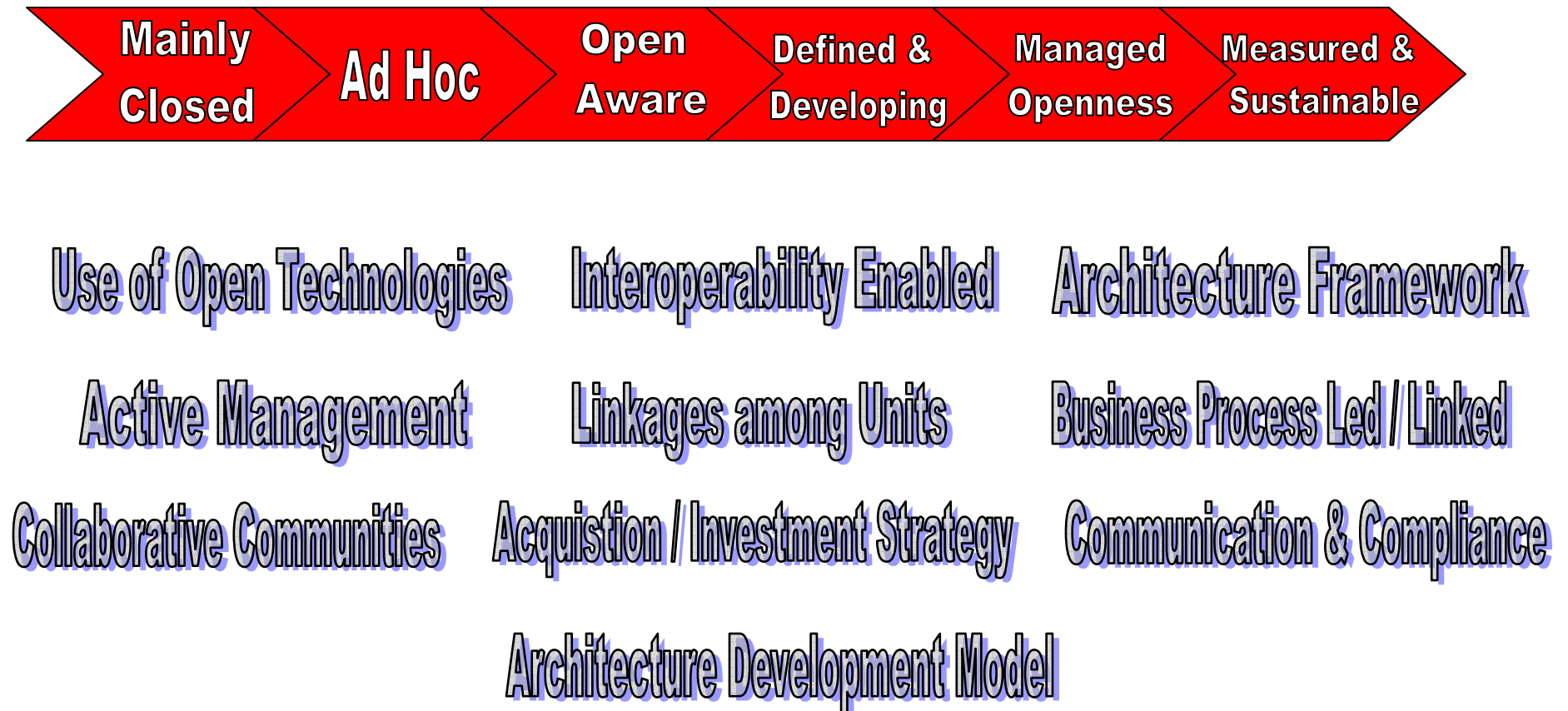
**Managing**  
**Monitoring**  
**Sustaining**



# Roadmap for Open ICT Ecosystems



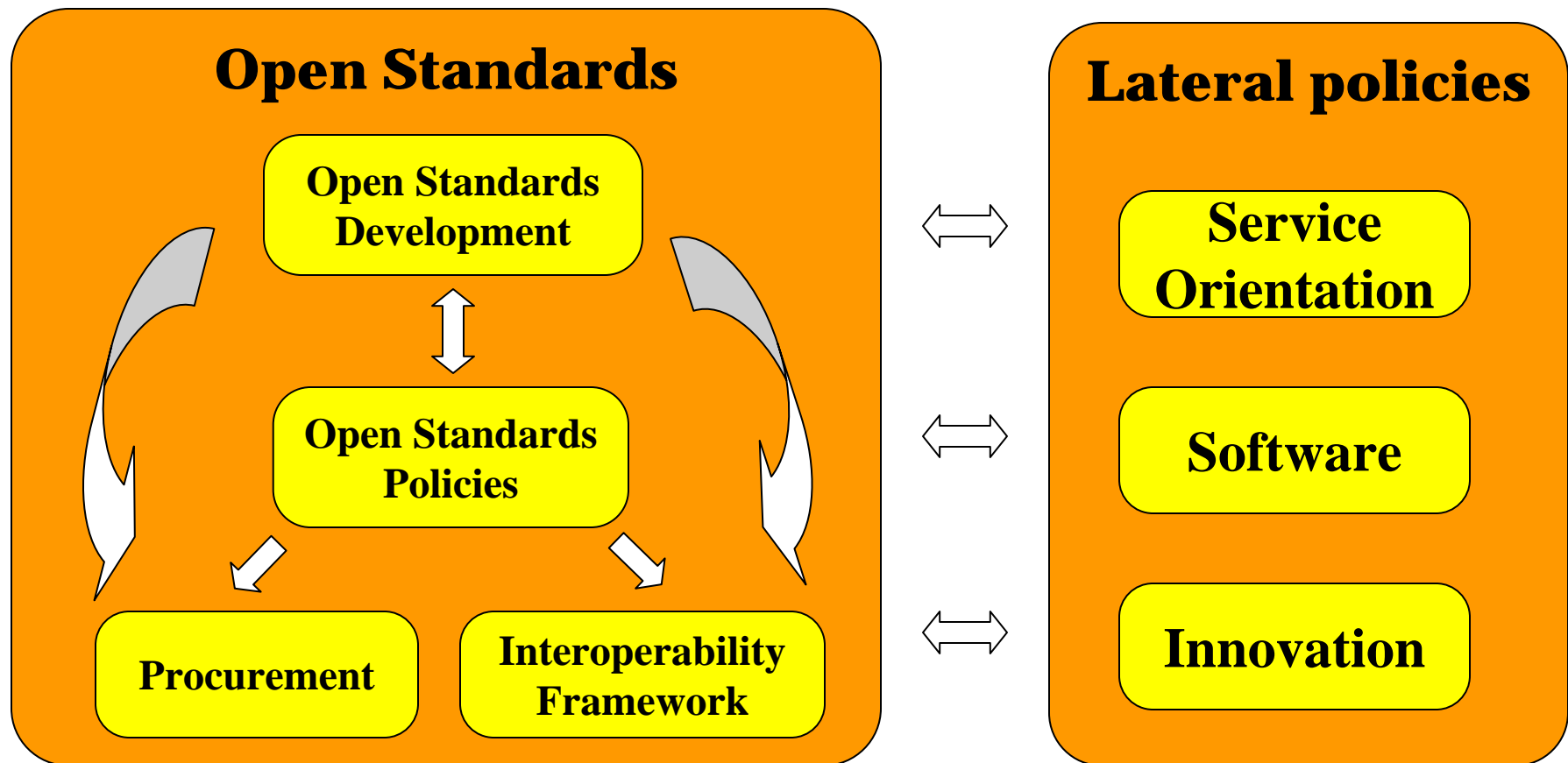
## LEVELS OF OPENNESS MATURITY



# Roadmap for Open ICT Ecosystems



## Policymaking



# Roadmap *for* Open ICT Ecosystems



## **Polycymaking**

## **Open Standards**

## **Procurement Policies**

- Mandate interoperability
- Technology / brand neutrality
- Factor in community support/maintenance
- Require open data formats



# Roadmap *for* Open ICT Ecosystems



## Managing

**Good management = Active management**

Create momentum for change

Promote collaboration by functional communities

Balance central and local decision-making / solutions

Bring users into the process early

# Roadmap *for* Open ICT Ecosystems



Changing mental models so . . .

## **Open ICT Ecosystems**

bring

governments

users

industry . . .

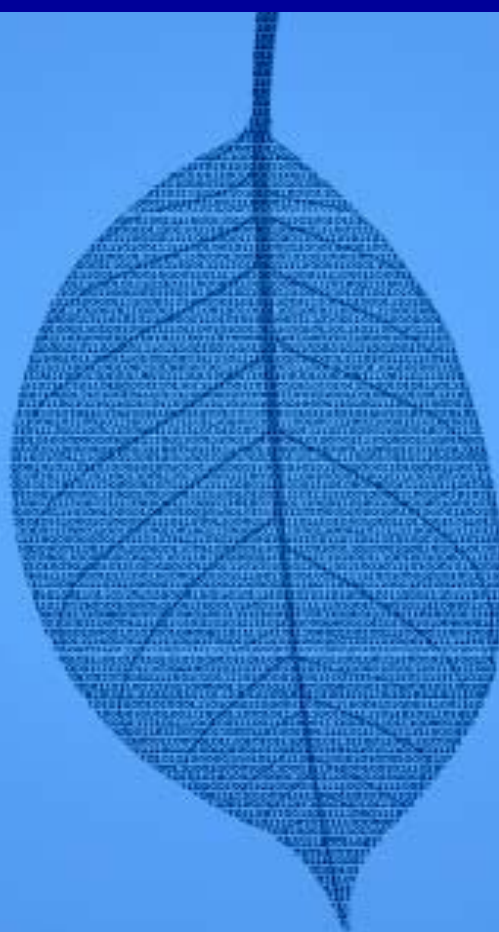
# Roadmap *for* Open ICT Ecosystems



**Efficiency**

**Growth**

**Innovation**



Roadmap *for*  
Open ICT Ecosystems

**Open ePolicy Group**    <http://cyber.law.harvard.edu/epolicy>

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