



UNITED NATIONS  
UNIVERSITY

**UNU-EGOV**

Operating Unit on Policy-Driven  
Electronic Governance

# Digital Government and Knowledge Societies – Advancing SDG 16

**TOMASZ JANOWSKI**

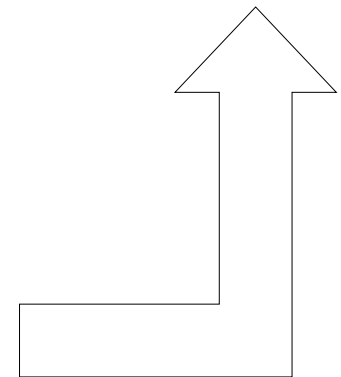
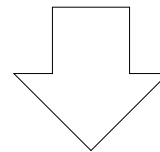
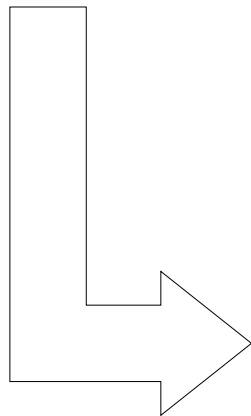
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# Towards Digital Government: Technology as Solution

Technology
Office automation
Cloud computing
Social networks
Mobile platforms

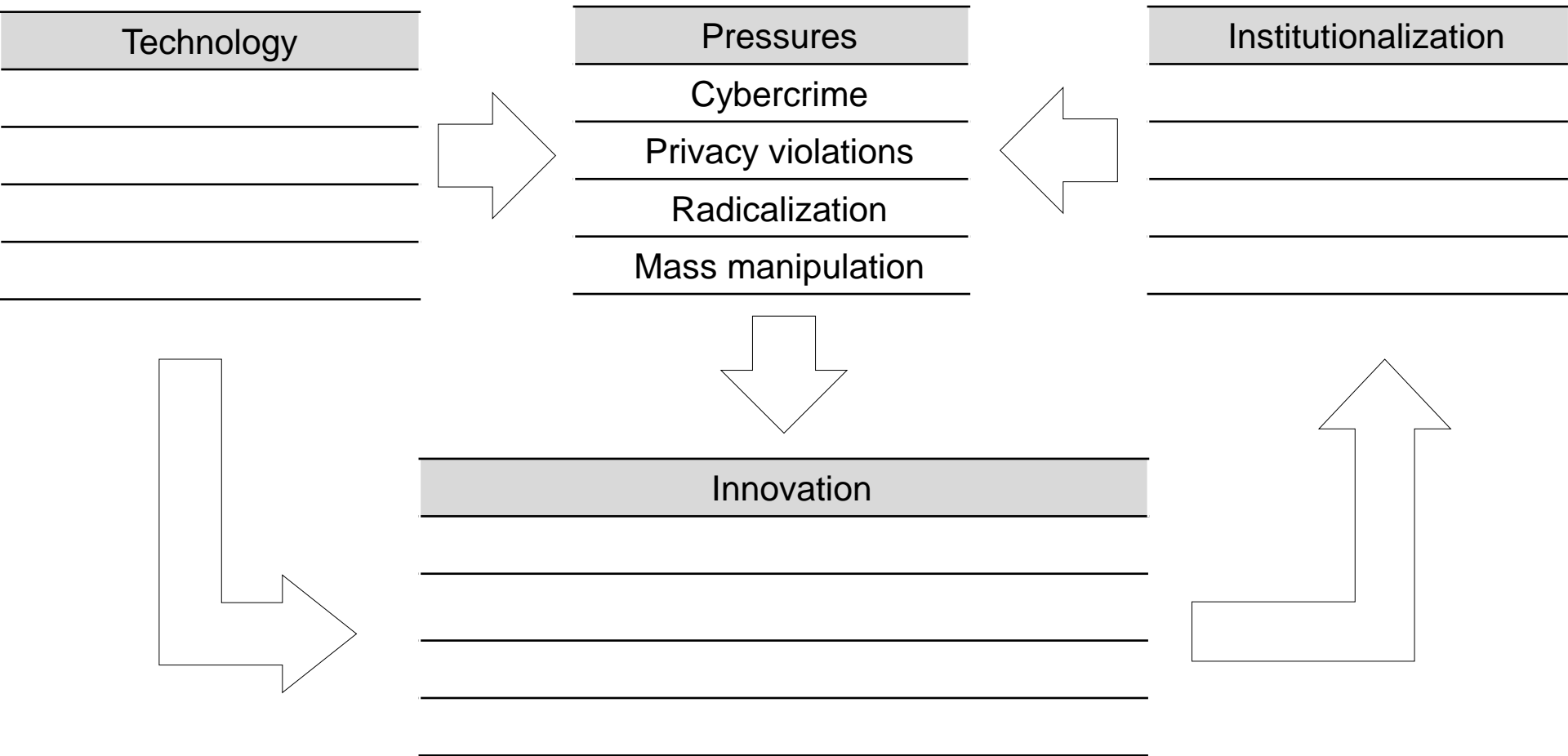
Pressures
Increase efficiency
Connect agencies
Consult citizens
Enable development

Institutionalization
Paper-free government
Whole of government
Participatory government
Government as a platform



Innovation
Electronic public records
Organizational interoperability
Crowdsourcing and co-delivery
Digital social innovation
...

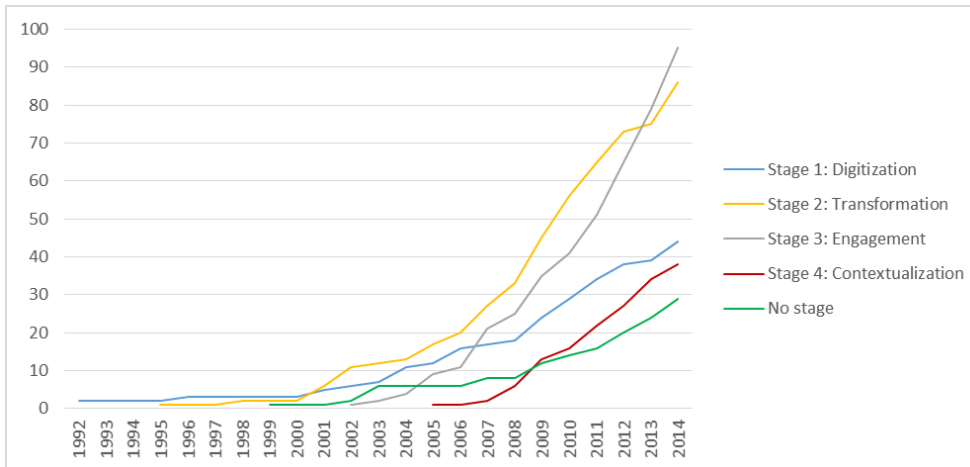
# Towards Digital Government: Technology as Problem



# Digital Government Evolution

No	Goal	Response	Stage
1	Digitizing and automating government operations and public service delivery	Digitization	Technology in Government
2	Facilitating administrative and institutional reform in government	Transformation	Electronic Government
3	Engaging citizens and other non-state actors in governance processes	Engagement	Electronic Governance
4	Supporting citizens and communities in pursuing local/sectoral development	Contextualization	Policy-Driven Electronic Governance

# Digital Government Evolution Evidence



Singapore	Korea	Estonia
Next generation Infocomm infrastructure	Public-private collaborative governance	One service space - public, private and third sectors
Innovation centers and entrepreneurship	Seamless and converged informatization	Paperless document management
Electronic health records	Utilization-focused services	Traceability of the use of one's own data

European Union	United Nations	Waseda
Improve (seamless) services to cater for different needs	Government data sharing based on open standards	Increase of social media applications for participation
Invite third parties in EGOV development	From readiness to development	Cloud computing and data center virtualization
Reduce carbon footprint	Citizen-centric practice	Disaster management and business continuity

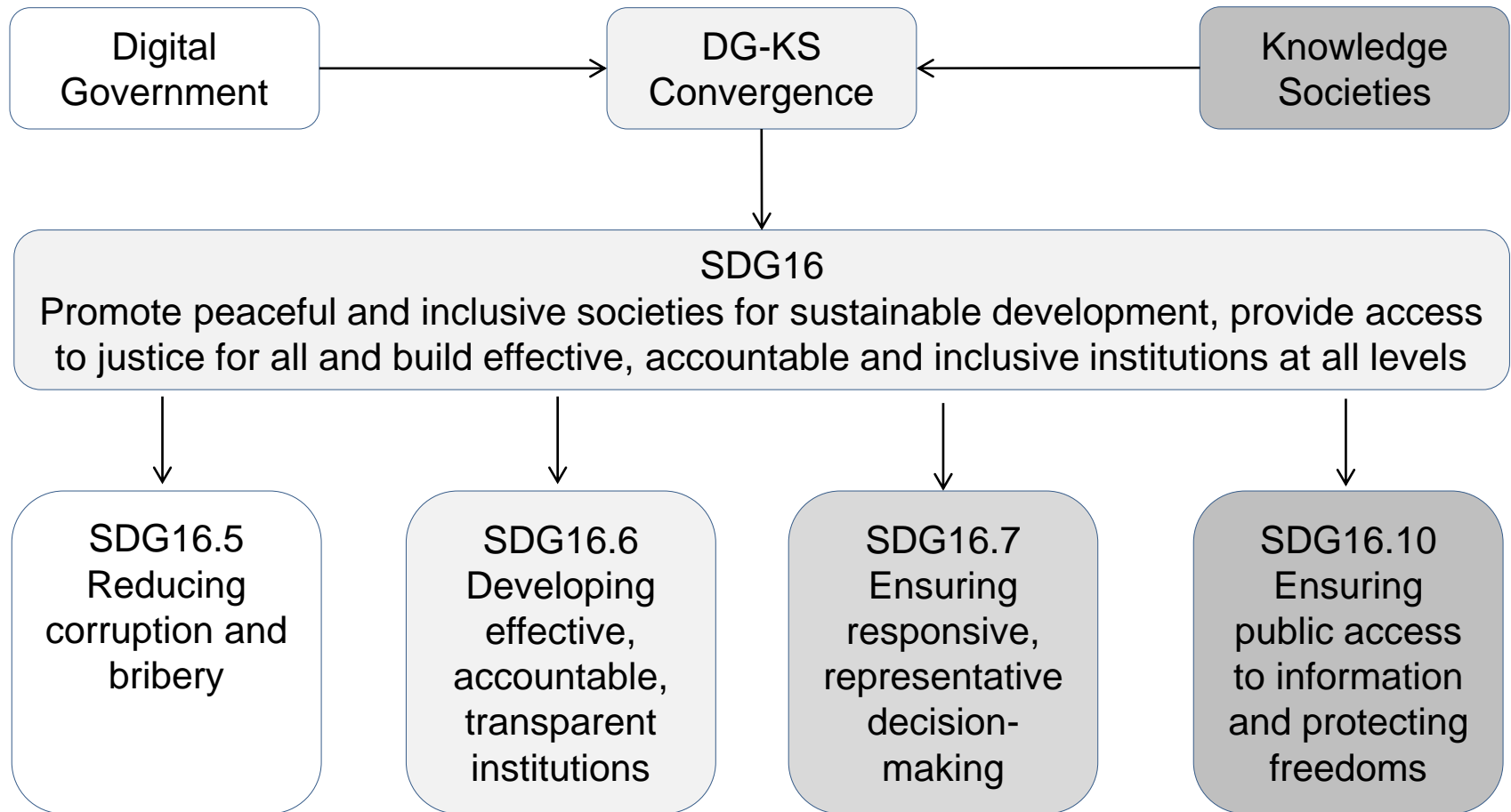
Stages		Characterizations		
		Transformation of government?	Transformation of relationships?	Local and sector-specific?
1	Digitization	no	no	no
2	Transformation	yes	no	no
3	Engagement	yes	yes	no
4	Contextualization	yes	yes	yes
		Impact		
		Government	Governance	Development

## Convergence of stage-4 Digital Government and Knowledge Societies:

- |   |   |
|---|---|
| 1 | Digital Government enabling self-development, i.e. government creating conditions for others (businesses, nonprofits, academia, citizens) to take development action.           |
| 2 | It relies on Knowledge Societies (knowledge to improve one's condition) and stimulates such societies (because seeking to improve one's condition is a natural human instinct). |
| 3 | The transition to Contextualization stage puts Digital Government at the service of human development, inline with and supporting the UNESCO vision of Knowledge Societies.     |
| 4 | Different models of Digital Government emerge for different local or sectoral contexts, in parallel to the plurality of Knowledge Societies.                                    |

Empirically: Digital Government policies are being subsumed by Knowledge Societies policies

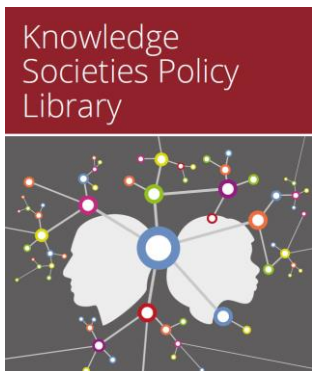
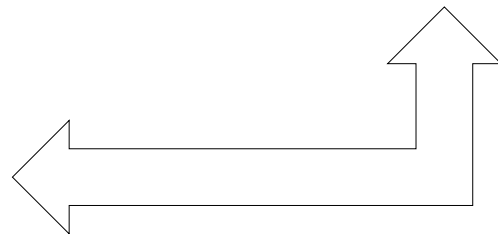
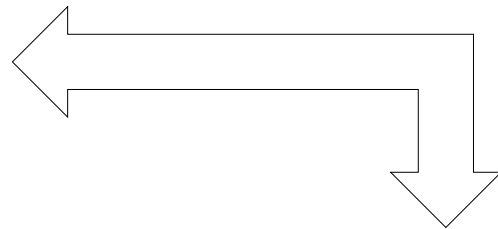
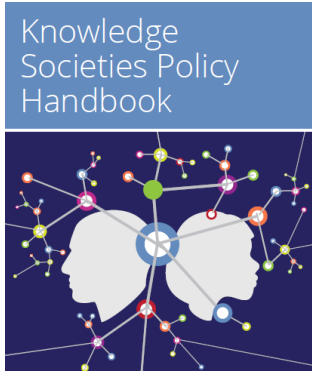
# Contribution to SDG16





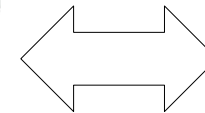
1	<b>Executive Training on Government Information Leadership</b> <ul style="list-style-type: none"><li>○ Kampala July 2013</li><li>○ Yangon November 2013</li></ul>
2	<b>Research-policy bridging</b> <ul style="list-style-type: none"><li>○ EGM on Digitization, Governance and SDG16, Guimaraes, December 2015</li><li>○ EGM on Knowledge Societies and the 2030 SD Agenda, Montevideo, February 2016</li></ul>
3	<b>Community-building</b> <ul style="list-style-type: none"><li>○ ICEGOV2013 in Seoul</li><li>○ ICEGOV2014 in Guimaraes</li><li>○ ICEGOV2016 in Montevideo</li><li>○ ICEGOV2017 in New Delhi</li></ul>
4	<b>Government Fellowships on Knowledge Societies and Digital Government</b>
5	<b>Research and development</b> <ul style="list-style-type: none"><li>○ Knowledge Societies Policy Handbook</li><li>○ Knowledge Societies Policy Library</li><li>○ Knowledge Societies Policy Platform</li><li>○ Knowledge Societies Policy Community</li></ul>

# Knowledge Societies Policy Project vis-a-vis ICEGOV



# ICEGOV

2007	Macao
2008	Cairo
2009	Bogota
2010	Beijing
2011	Tallinn
2012	Albany
2013	Seoul
2014	Guimaraes
2016	Montevideo
2017	New Delhi
2018	Galway



# Way Forward: Possible Sustainability Measure

Network of IFAP/UNESCO Chairs hosted by universities in different regions on:

- Knowledge Societies and Digital Government,
- Knowledge Societies and Digital Empowerment,
- Knowledge Societies and Digital Economy, etc.

Objectives	Activities
<ol style="list-style-type: none"><li>1. Strengthening local knowledge creation and innovation networks and enterprise incubation in KS and XXX</li><li>2. Providing research-based tools on KS and XXX appropriated by actors in the network</li><li>3. Investigating, designing and deploying solutions for Knowledge Societies and XXX</li><li>4. Developing education programs to build leadership capacity in the area of KS and XXX</li></ol>	<ol style="list-style-type: none"><li>1. Postgraduate education</li><li>2. Executive training</li><li>3. Policy-relevant research</li><li>4. Organization of events</li><li>5. Visiting professor program</li><li>6. Doctoral scholarships</li><li>7. Institutional development</li></ol>

# Way Forward: Possible Impact Measure

## IFAP Executive Master/Diploma/Certificate in Government Information Leadership

- |   |   |
|---|---|
| 1 | Run by IFAP Chairs through their universities                                     |
| 2 | In cooperation with Member State governments                                      |
| 3 | Educating Government Chief Information Officers (GCIO) workforce                  |
| 4 | Implementing international IFAP-approved curriculum                               |
| 5 | Extended by the offer of technical assistance to Member State governments on GCIO |

**THANK YOU. ANY QUESTIONS?**

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