

**12th World Telecommunication/ICT Indicators Symposium
(WTIS-14)**

Tbilisi, Georgia, 24-26 November 2014




Presentation

**Document C/19-E
25 November 2014**

English

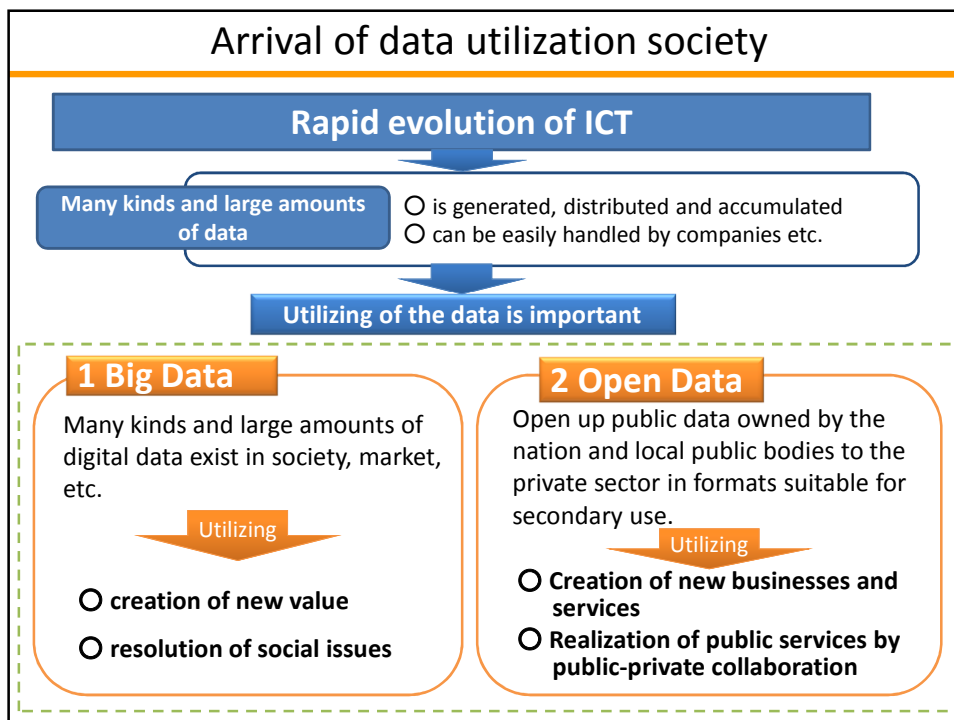
SOURCE: Ministry of Internal Affairs and Communications, Japan

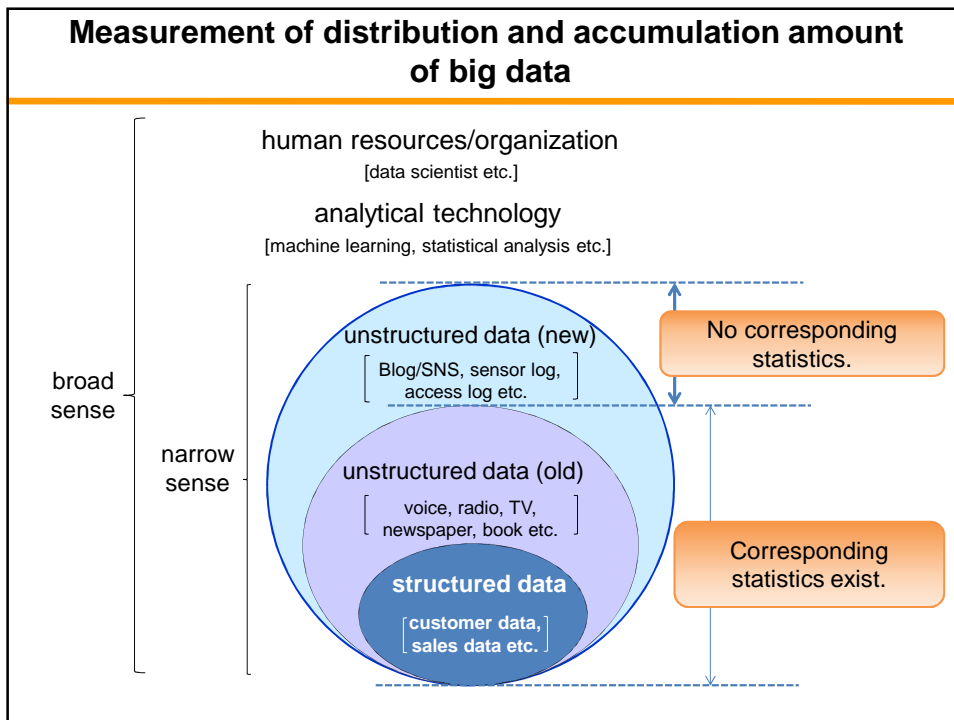
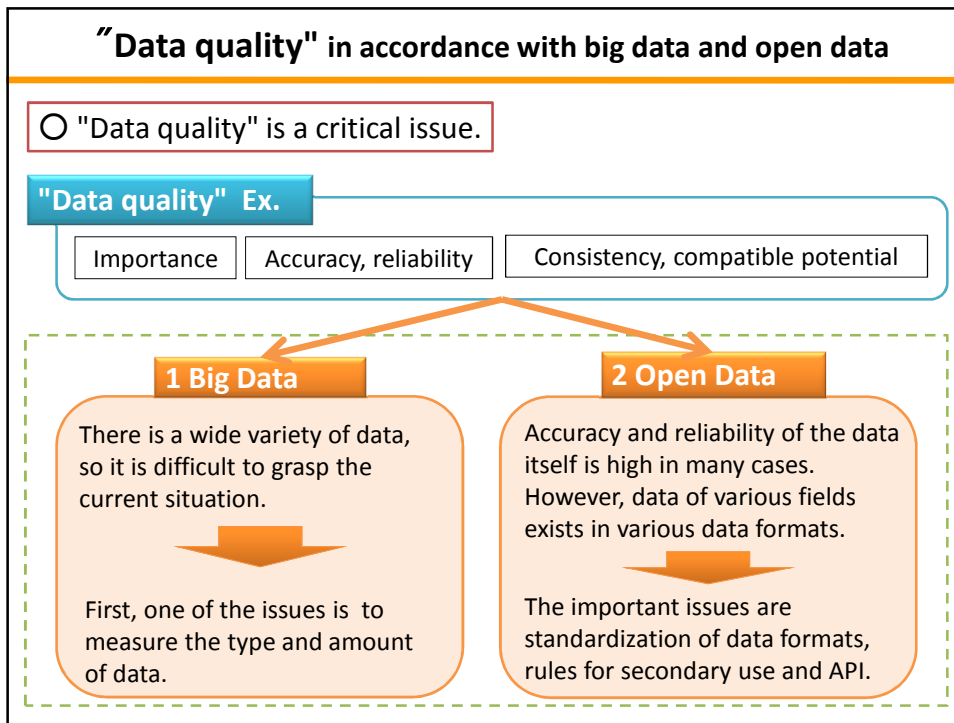
TITLE: Efforts for Big Data and Open Data in Japan


 Ministry of Internal Affairs
and Communications

Efforts for Big Data and Open Data in Japan

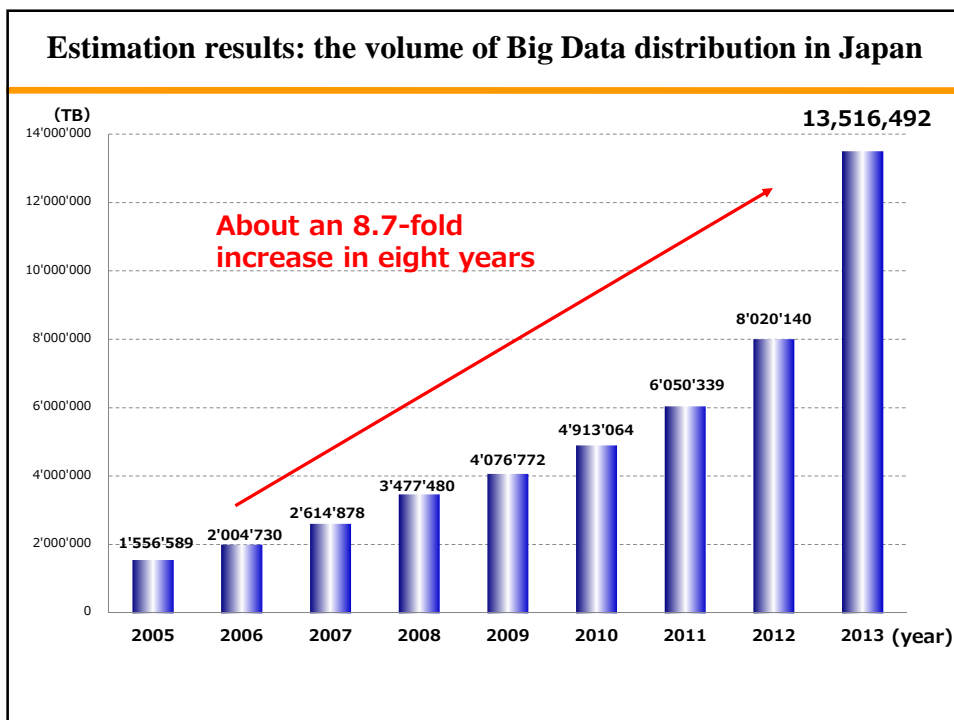
Director General for International Affairs,
Global ICT Strategy Bureau, MIC, Japan
MORI Kiyoshi
 25 Nov. 2014

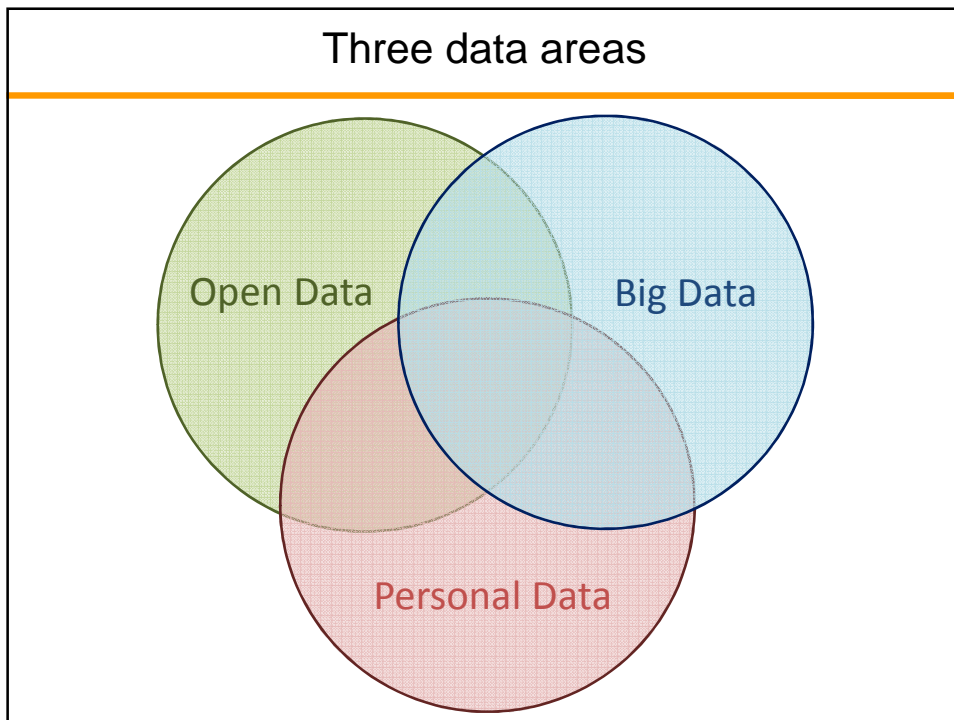
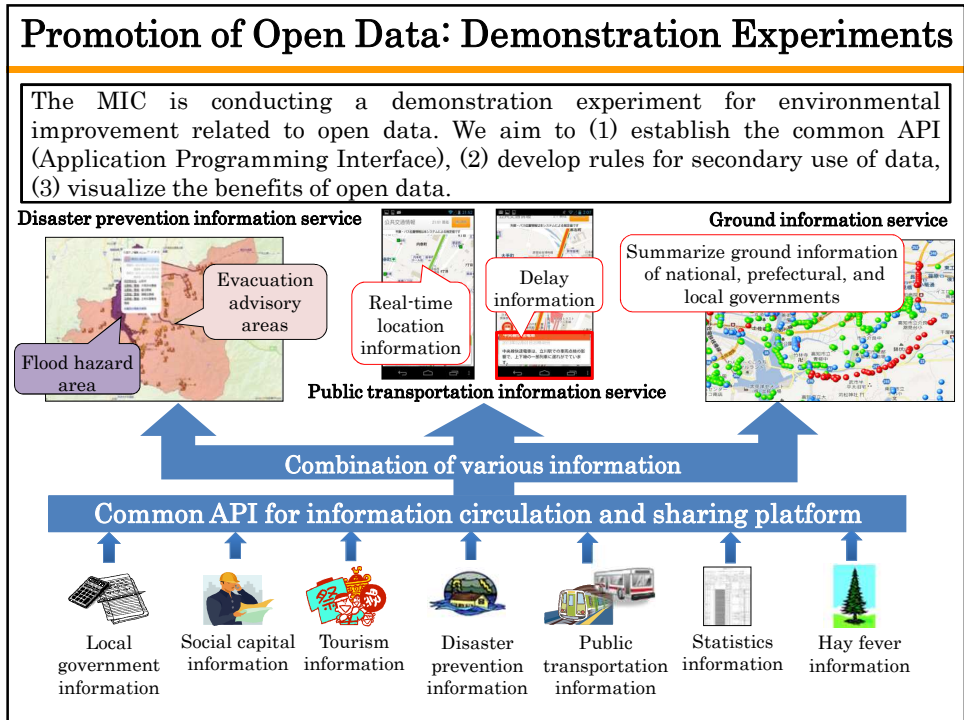




(Ref.) The targeted media for estimation of Big Data distribution

	Structured data	Unstructured data
Business system	<ul style="list-style-type: none"> Customer DB POS data (basket data at the point of sale) Accounting data 【Medical】 receipt data 	<ul style="list-style-type: none"> Business diary (text) 【Medical】 diagnostic imaging (image, still image, movie) 【Medical】 electronic health record (text) CTI voice log data (voice)
Web service (EC, etc)	<ul style="list-style-type: none"> Sales log in e-commerce 	
Sensor GPS M2M	<ul style="list-style-type: none"> GPS data Weather data RFID data 	<ul style="list-style-type: none"> Sensor log Traffic-congestion information Security and remote monitoring camera
Media content		<ul style="list-style-type: none"> Video and image viewing log
Personal media social media		<ul style="list-style-type: none"> Blog, SNS articles etc (text) Access log (various logs) Mobile phone [including PHS,voice] E-mail (text) Fixed IP phone[voice]





Challenge of data utilization

1. Utilization of personal data

(Enterprises)
High value of data related directly to users

(Consumers)
Privacy infringement, concerns of exploitation by a third party



A balance between protection and utilization of personal data is important.

2. Data scientist training

Securing human resources who derive useful knowledge from data and use it to solve problems is important. However, there are few such human resources ("Data Scientist").



Data scientist training is important.



Ministry of Internal Affairs
and Communications

Thank you for your
attention.