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TITLE: Efforts for Big Data and Open Data in Japan



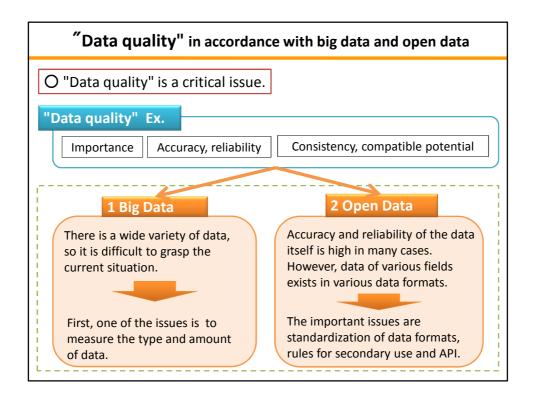
Efforts for Big Data and Open Data in Japan

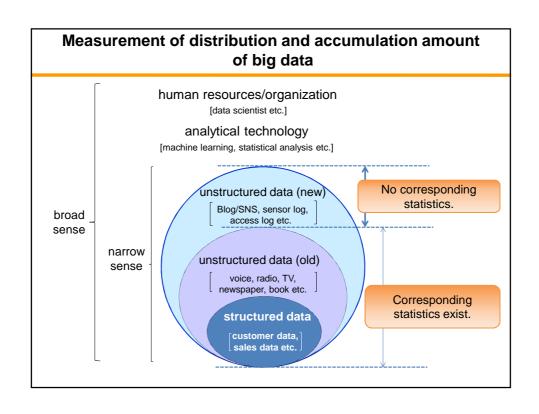
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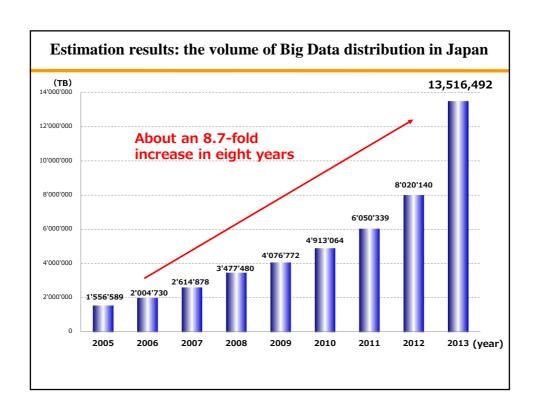
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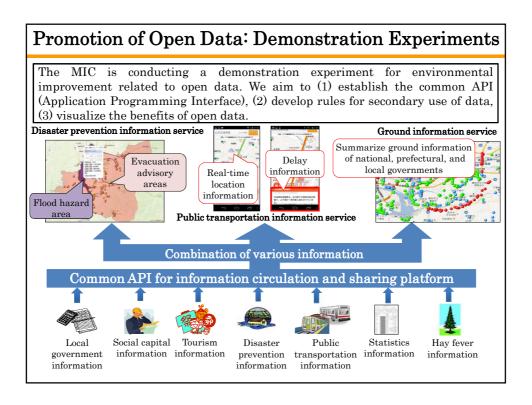
Arrival of data utilization society Rapid evolution of ICT Many kinds and large amounts O is generated, distributed and accumulated of data O can be easily handled by companies etc. Utilizing of the data is important 1 Big Data 2 Open Data Open up public data owned by the Many kinds and large amounts of nation and local public bodies to the digital data exist in society, market, private sector in formats suitable for etc. secondary use. O Creation of new businesses and O creation of new value services O Realization of public services by O resolution of social issues public-private collaboration

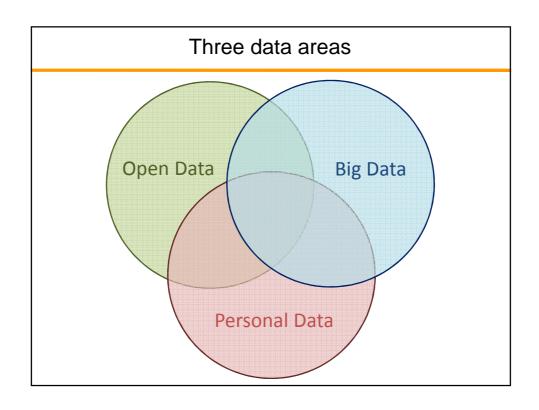




(Ref.) The targeted media for estimation of Big Data distribution				
	Structured data		Unstructured data	
Business system	Customer DB [Medical] receipt data	POS data (basket data at the point of sale) Accounting data	Business diary (text) [Medical] electronic health record (text)	[Medical] diagnostic imaging (image, still image, movie) CTI voice log data (voice)
Web service (EC, etc)	Sales log in e-commerce			
Sensor GPS M2M	GPS data Weather data	RFID data	Sensor log Traffic-congestion information	Security and remote monitoring camera
Media content			Video and image viewing log	
Personal media social media			Blog, SNS articles etc (text)	Mobile phone [including PHS,voice] E-mail (text)
			Access log (various logs)	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.



Thank you for your attention.