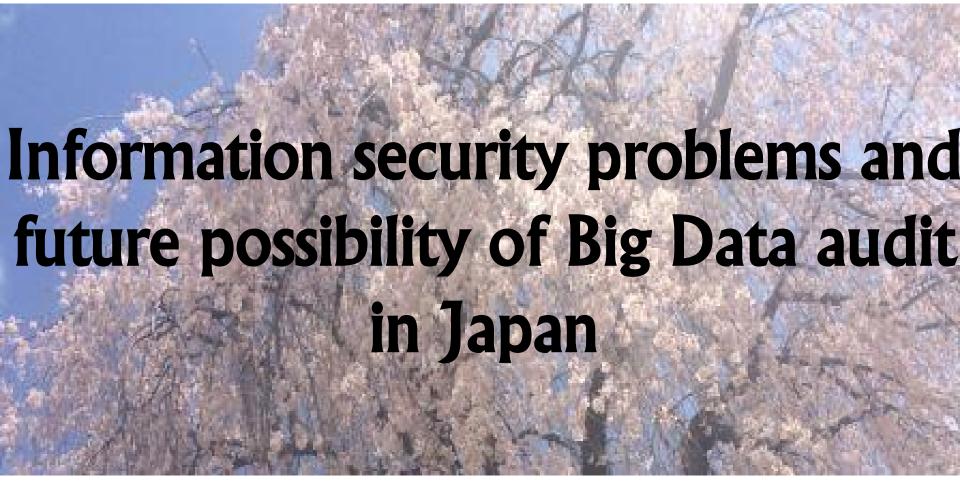
SAI-JAPAN BOARD OF AUDIT



Michiko Umeyama 8th Performance Auditing Seminar on IT Audit April.28(29).2016

<Introduction>

About 1300 staffs 36 audit divisions





Information & Communication
Audit Division
Assistant Auditor
Michiko Umeyama



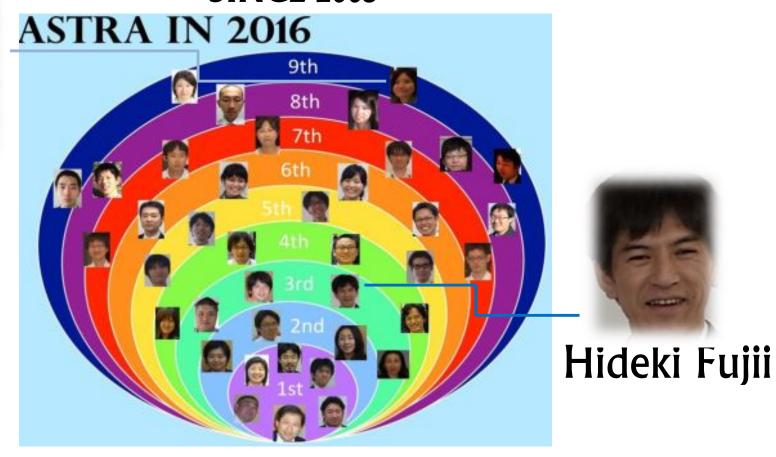


<Introduction>

IT <u>AUDIT SKILL-UP TRAINING TEAM</u> SINCE 2005



Presenter: Michiko Umeyama



<Contents>

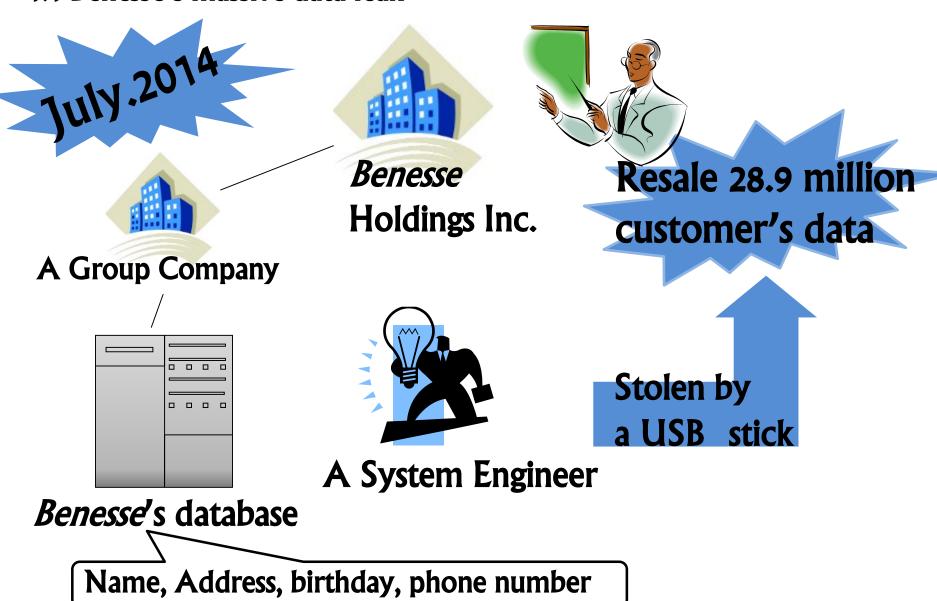
- 1 Background
- 2 Electronic data exchange between SAI-Japan and the Auditee entities
- 3 An example of Big data matching analyses by SAI-Japan
- 4 Social Security and Tax Number System in Japan
- 5 Conclusion & Discussion

1 Background

- 1.1 *Benesse's* massive data leak
- 1.2 Japan Pension Service's case

1 Background

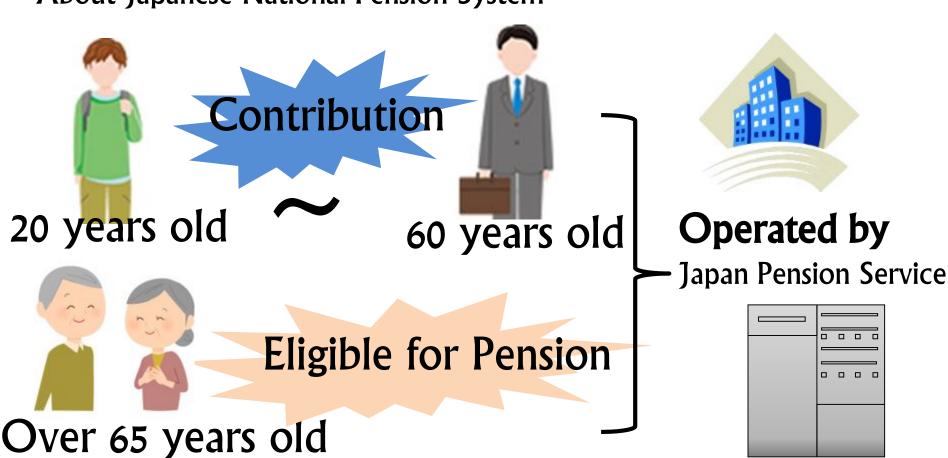
1.1 Benesse's massive data leak



- 1 Background
 - 1.2 Japan Pension Service's Case (1/2)

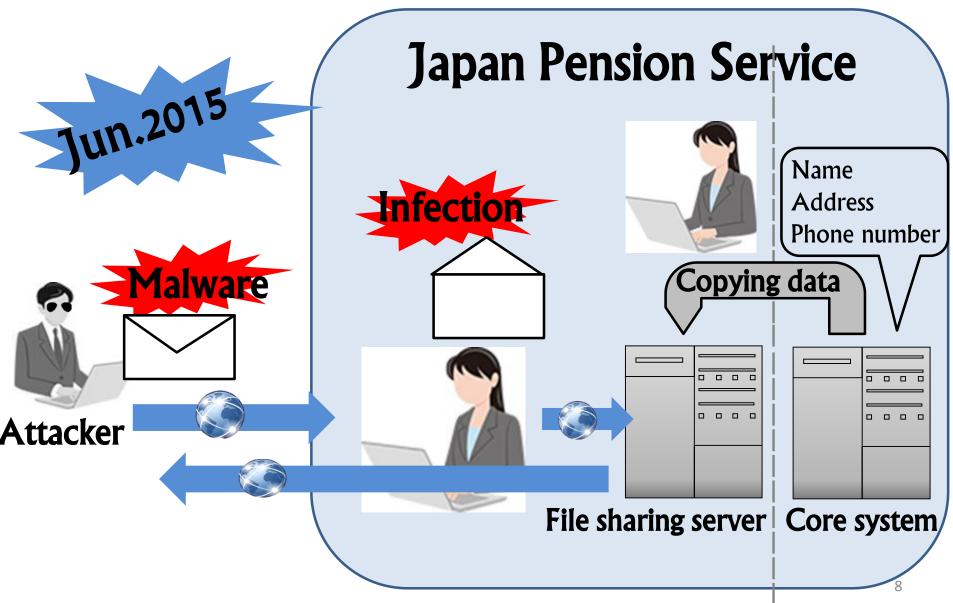
Introduction

About Japanese National Pension System



1 Background

1.2 Japan Pension Service's Case (2/2)



2 Electronic data exchange between SAI-Japan and the auditee entities

2 Electronic data exchange between SAI-Japan and the auditee entities (1/4)



By Article 24



Auditees

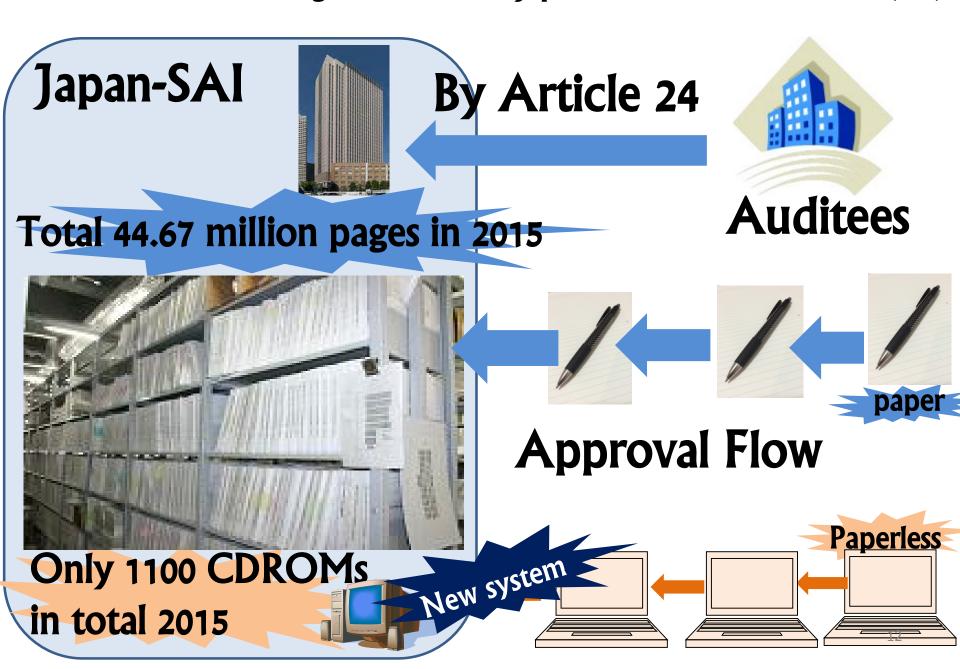
By Article 26

2 Electronic data exchange between SAI-Japan and the auditee entities (2/4)

Article 24 of the Board of Audit Act

- •SAI-Japan has mandate to receive regular financial statements together with vouchers and supporting documents from auditee entities and check them.
- Such vouchers and supporting documents are huge (44.67 million pages in 2015).
- •SAI-Japan permits the auditee entities to arrange to submit documents in electronic media.

2 Electronic data exchange between SAI-Japan and the auditee entities (3/4)



2 Electronic data exchange between SAI-Japan and the auditee entities (4/4)



- •SAI-Japan may demand auditee entities to submit documents or other supporting materials etc.
- Such documents or other supporting materials can be in electronic forms.

Example

3 An example of Big data matching analyses by SAI-Japan

3 An example of Big data matching analyses by SAI-Japan (1/3)

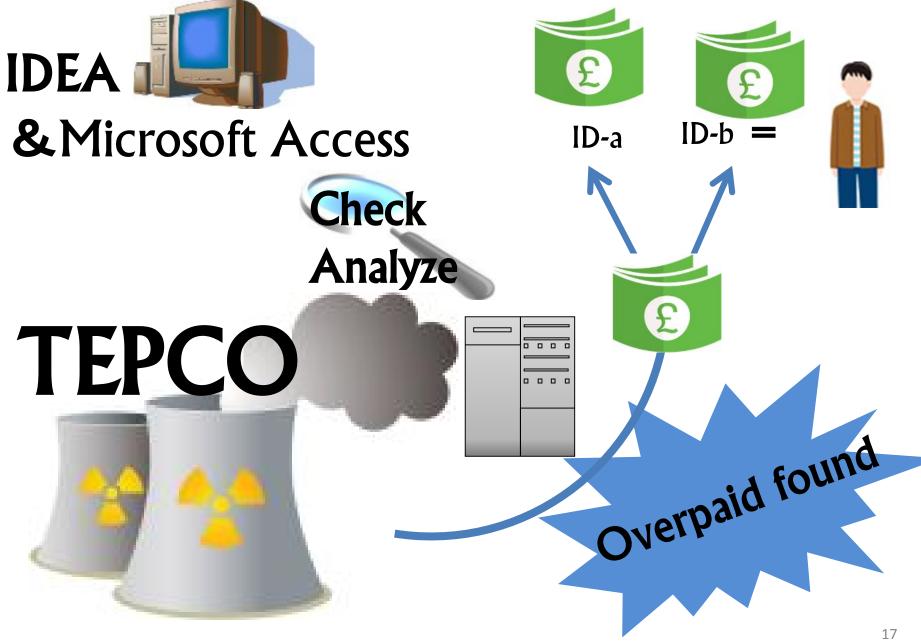


3 An example of Big data matching analyses by SAI-Japan (2/3)



16

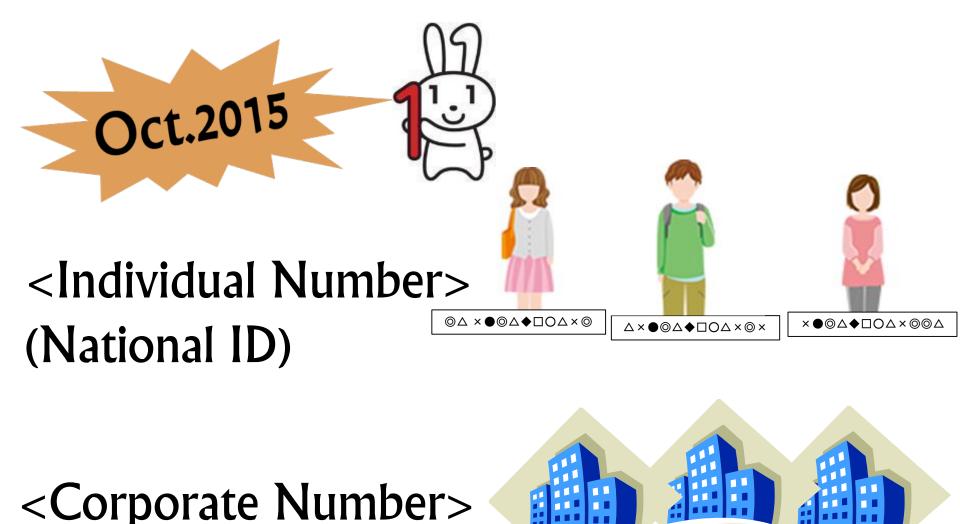
3 An example of Big data matching analyses by SAI-Japan (3/3)



4 Social Security and Tax Number System in Japan

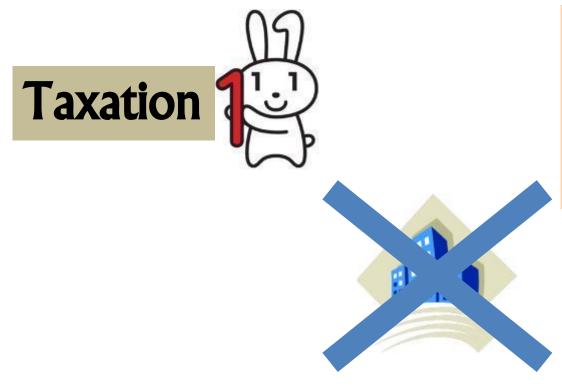
- 4.1 Individual number & corporate number
- 4.2 Use of the Corporate Number as a matching key
- 4.3 Future use of the Corporate Number

- 4 Social Security and Tax Number System in Japan
 - 4.1 Individual number & corporate number (1/5)



- 4 Social Security and Tax Number System in Japan
 - 4.1 Individual number & corporate number (2/5)





Disaster response procedures

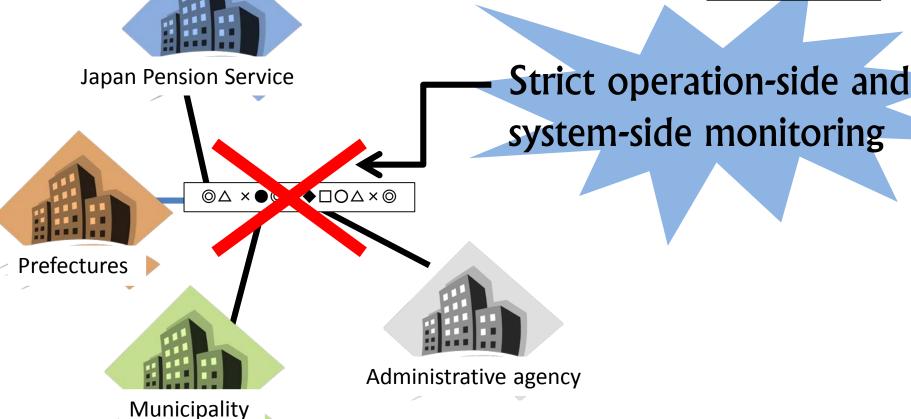


For commercial

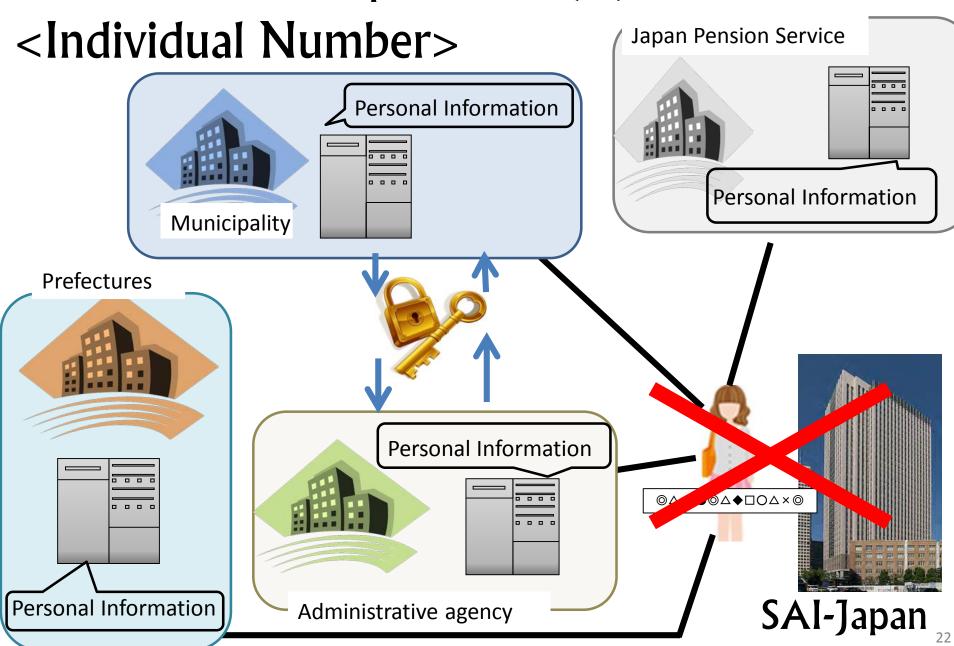
- 4 Social Security and Tax Number System in Japan
 - 4.1 Individual number & corporate number (3/5)



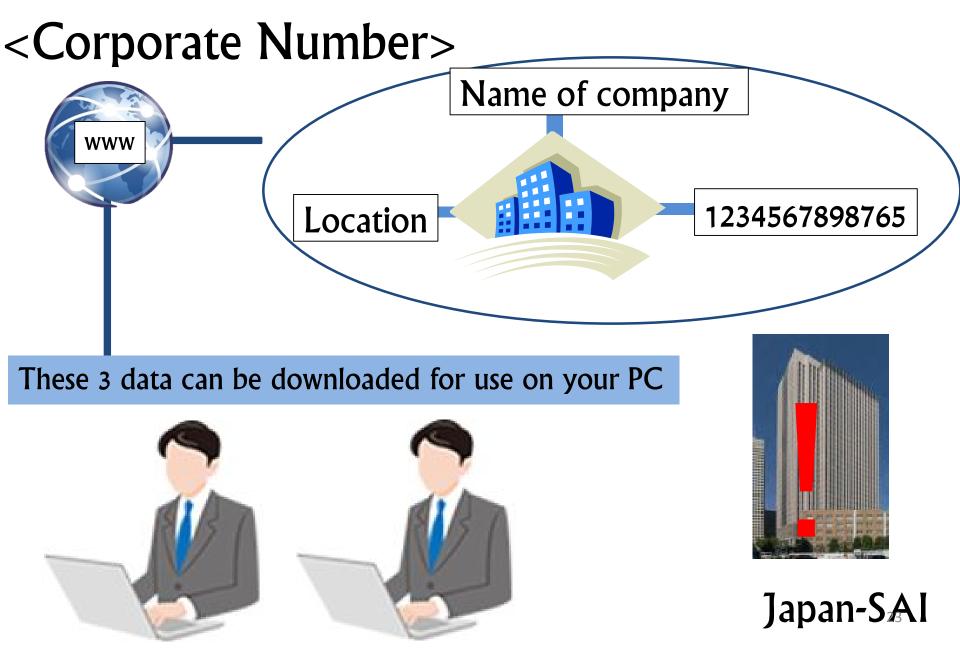




- 4 Social Security and Tax Number System in Japan
 - 4.1 Individual number & corporate number (4/5)



- 4 Social Security and Tax Number System in Japan
 - 4.1 Individual number & corporate number (5/5)



- 4 Social Security and Tax Number System in Japan
- 4.2 Use of the Corporate Number as a matching key(1/2)

会計検査院

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Orthographical variants

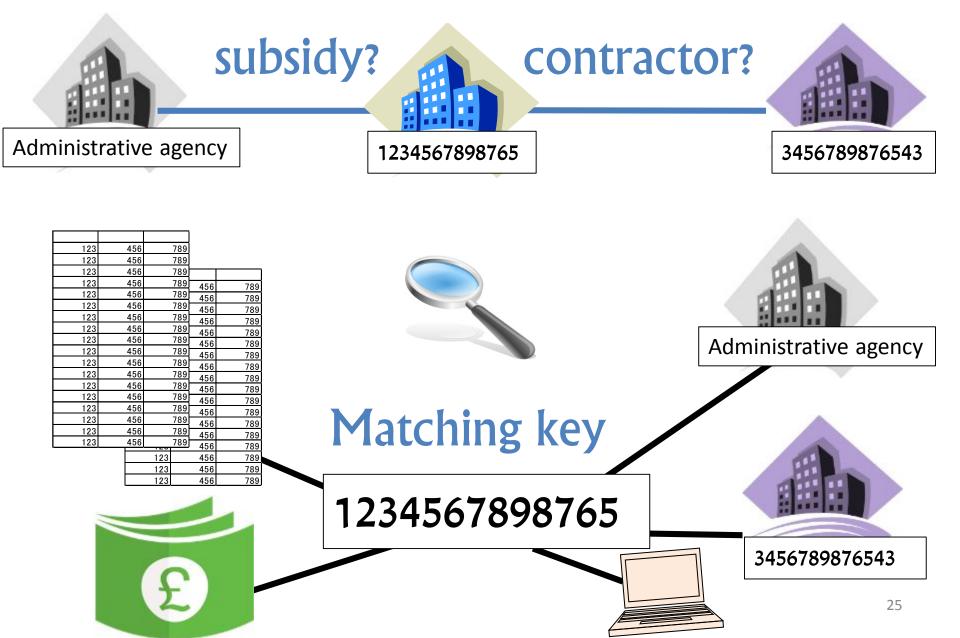
Solution

Corporate Number



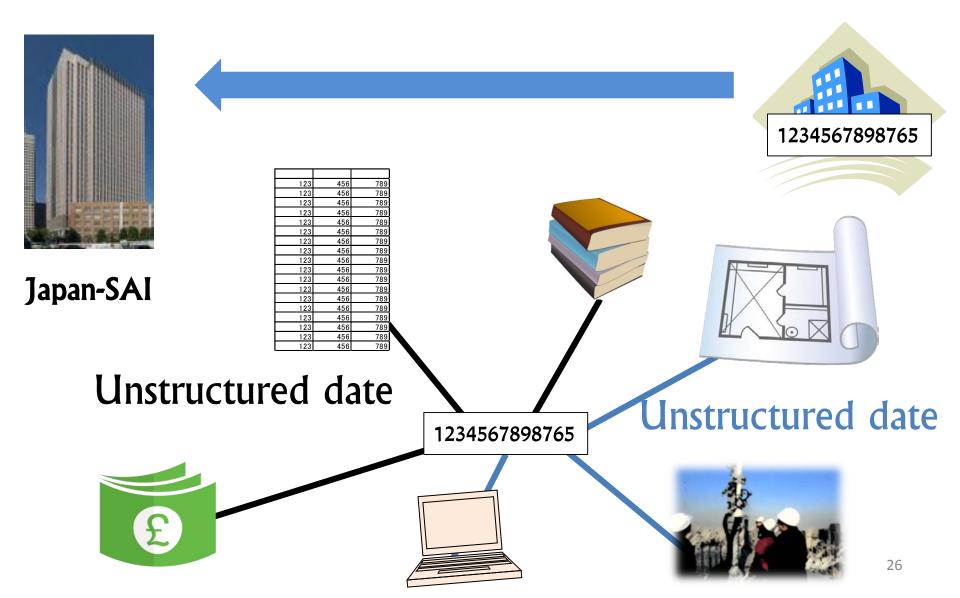
4 Social Security and Tax Number System in Japan

4.2 Use of the Corporate Number as a matching key(2/2)



4 Social Security and Tax Number System in Japan

4.3 Future use of the Corporate Number



5 Conclusion & Discussion