



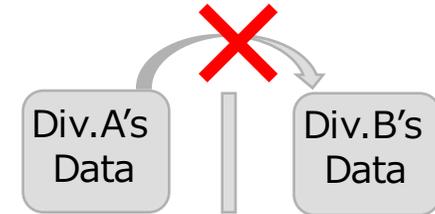
Digital Transformation of METI and its beyond

Japan's Challenges for Digital Government

- Still Paper-based administrations
- No rules for data management
- Silos of Data
- Scarce of Analyzing capability



PDF, Word, Excel, CSV...
Different data name,
value...



Scarce of capacity in

- Statistics
- Econometrics
- AI utilization

No innovations in 20 years!



Change Organization

- Reinforce IT Capabilities
- Nurture user-centric mindsets

Change methods

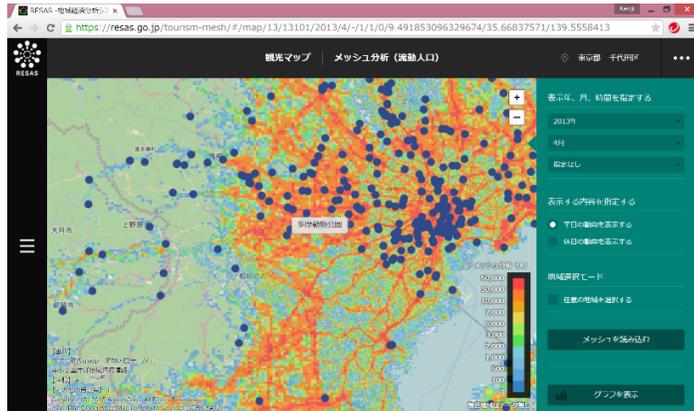
- Design thinking
- Agile IT development
- Data analytics

Change society

- Digitalize Gov. Services
- Create Digital Infrastructure
- Utilize Data effectively

Introduction of data analytics tools

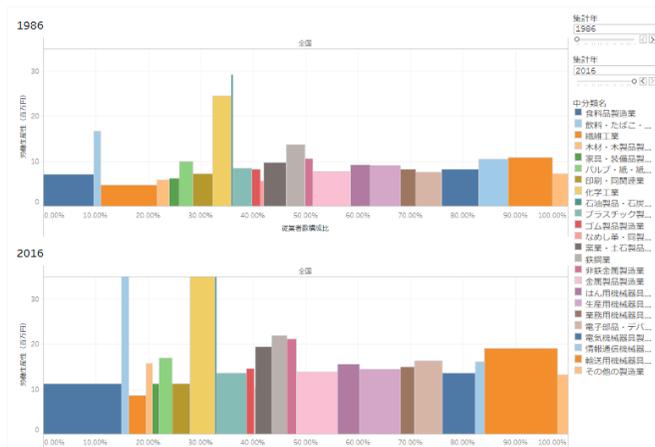
RESAS



Visualize data related with regional economy

Can get insights in policy making for local economies

Tableau



Visualize any data easily and get insights

Create an users group and promote peer learning

Collaboration with new players



CODE
for JAPAN

Get insights from
Civic tech groups

< ANNAI >

Guild Works

Agile development
with IT startups



Crowd sourcing
for prototyping

ASUKOE PARTNERS)))

Data standardization
with a startup

Focus on digital services for businesses



法人インフォ

**Service
for SMEs**

**Digital Platform based on
Corporate Number**

by METI



**Service
for Citizens**

**Digital Platform based on
Personal number**

by Cabinet office

- ✓ **Deliver our services to all customers**
- ✓ **Maximize the benefit of services based on data**
- ✓ **Reduce procedural costs**



Digital Platform of public services for Businesses

- Digitalize public services for corporates
- Standardize Data sets and APIs for Analytics, and Automation
- Connect private services with public services by open APIs

Authentication



From Feb. 2019
(Expand to other
ministries from
FY2020)

Applications



From Oct. 2019
(Expand to other
ministries from
FY2020)

Data Exchange

Data Exchange
Platform

From FY2020

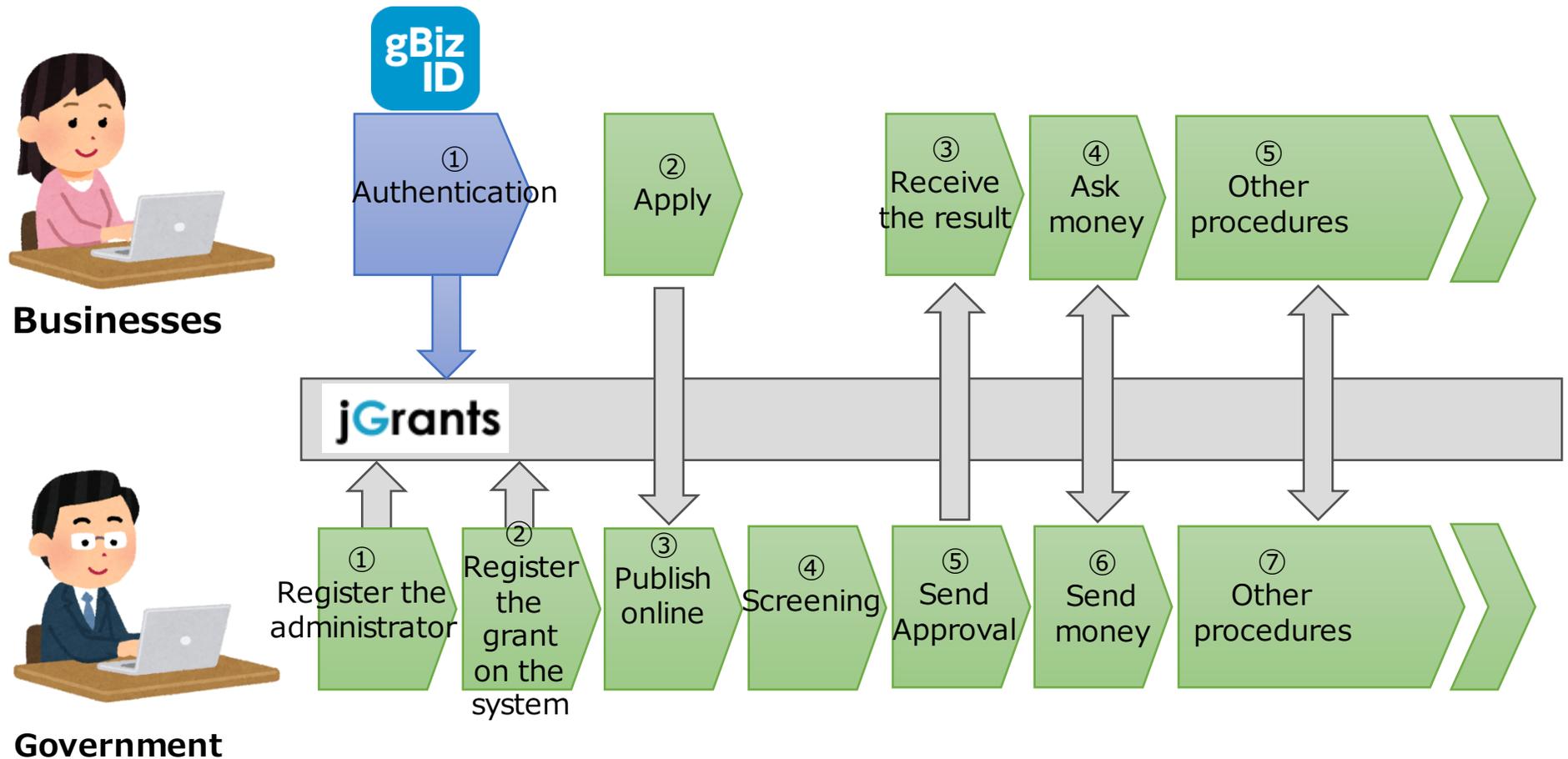
Open Data



From Jan. 2017

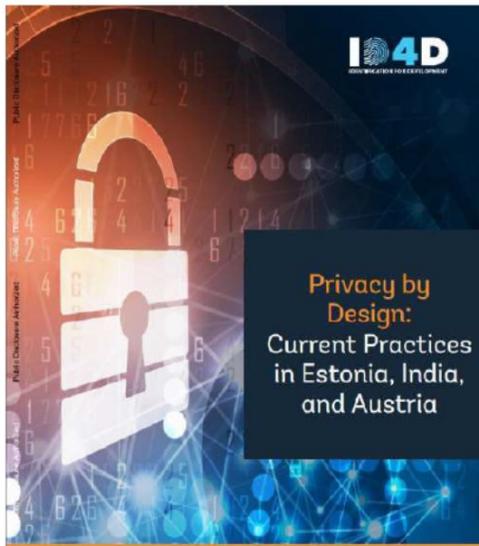
jGrants : Grants application system

- Digitalize and standardize all the processes of grants application for the better UX



Assessment of Good Practices by World Bank

Privacy by Design: Good practices to protect privacy and empower people



WORLD BANK GROUP

Minimal Data Collection

-  **Only four** mandatory demographic fields
-  **'Once only'** Principle for gathering data

Encryption & Security

-  Logs **hash chained**; blockchain for integrity

User Access Portal

-  Users can view and update data on citizen portal & Personal Data Monitor
-  Biometrics can be locked by users
-  Transparency portal

Data Sharing Mechanisms

-  Data Exchange via **X Road** with Central Authority permission
-  Data Exchange via **Federal Service Bus**

Approval of Data Access

-  **Data protection authority** (earlier known as Privacy Commission) as central authority for approving data access **proportional** to purpose

Traceable Authentication

-  Access to **tamper proof time stamped** authentication history **logs**

Tokenization

-  **Protected UIN from service providers** by sharing hashed token instead

Anonymization

-  Pseudonymizing logs and anonymization of data

ID Number Syntax

-  Protected data by issuing **random** number

Limited Data Access

-  **Biometrics encrypted** on device for access

Features of India Stack

- ① Democracy is ensured by institution
- ② Affordable
- ③ Flexible expansion of features/layers
- ④ Boosting Startups
- ⑤ Inclusive Growth



Effects/ Achievements of India Stack

- ① **Achieved financial inclusions** and **eliminated fraudulent recipients** of government supports by digitalizing benefit transfers and introducing cashless-payments PF.
- ② **Boosted startups in India.** Basic features and formats of data transfers including APIs are **standardized and open** to any private players **while ensuring security, privacy and IPs of core technologies.** So, private players compete to improve services and interfaces to customers **in a flexible and speedy manner.**
- ③ **Avoided being dominated by giant platformers** in B to C businesses.

<Images of Direct Benefit Transfer Schemes>



Japan-India Corporation

- On June 27, 2019, Mr. Shinzo Abe, Prime Minister of Japan, held a summit meeting with H.E. Mr. Narendra Modi, Prime Minister of India, who is visiting Japan to attend the G20 Osaka Summit.
- Prime Minister Modi expressed his hope to develop cooperation in the area of security, digital affairs, cooperation in third countries and disaster risk reduction.

<Excerpts from the attachment of the Japan's Press Release on June 27th 2019>

2. Digital public platform development for third countries

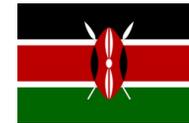
- In order to realize inclusive growth without being dependent on any vendor or technology while maintaining sovereignty, it is important to secure access to innovative goods and services for individuals and businesses based on digital public platforms offered as public goods. These include digital IDs, unified payment interface system, digital lockers for storage, governed by a data privacy and consent infrastructure.
- "India Stack" is the key to realize such governance innovation. India and Japan will confer on a concrete plan for third countries to develop the open and democratic digital public platform.



The Boom for Digital Public Platforms in Africa

- Digital ID has become a key focus area for development, led by the AU and multinational institutions.
- Various projects taking place or being planned – some through multinational institutions, others through bilateral deals, with fixed technology providers.

World Bank projects



Rollout in March 2019;
 - a bit unclear whether Huduma Namba is compulsory or not



France to provide funds for national ID project;
 - IDEMIA as provider?



The National Trade Steering Committee holding its regular meeting at the office of the Prime Minister on Tuesday

BUSINESS (/BUSINESS)

France pledges EUR 40 mn

27 July 2019

By Dawit Endeshaw (/author/dawit-endeshaw)

In a bid to improve the current national identification system, France has pledged to provide EUR 40 million to Ethiopia to finance the pending national digital ID project, *The Reporter* has learnt.

(Source) World Bank presentation at ID4D Africa, June 2019