

# **Japanese Public-Private Collaboration toward Digital Transformation of Disaster Risk Reduction and Invitation to the Activities**

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1. Disaster Events in Japan
2. Digital Authority, Japan, and Public-Private Digital Transformation Committee in DRR
3. Invitation to Establish and Test OS Assessment Indexes to Introduce Digital Technologies in DRR

# Disaster Events in Japan

# Incident: Noto Peninsula Earthquake (January 2024)



# Incident: Kinugawa River Flooding (Sep. 2015)



# Incident: Mt. Ontake Eruption (September 2014)

Photo: Kuroda Terutoshi, from the video



Photo: The Huffington Post

Photo: Pronk Palisades



Photo: golden-tamatama.com



# Incident: Hiroshima Debris Flow (August 2014)

Photo: Manila Bulletin



Photo: Sankei Shimbun



Photo: Tomo News



Photo: AsahiShimbun

# Incident: Snow Disasters

Photo: un-farm.com



Photo: hekomi 119



Photo: kyuumaru TK



映像提供: (株) 文明屋



**Digital Authority, Japan, and  
Public-Private  
Digital Transformation Committee  
in DRR**

- Established in September 2021
- One-third of officials are from private sector
- Aiming at digitalization, not only digitization

デジタル庁

ホーム 一般の方 行政・事業者の方 報道関係者の方 | 検索 Global Site メニュー

### 重要なお知らせ

公金受取口座にご本人名義の預貯金口座を登録されていない可能性がある方へ、お手紙を郵送しています  
2023年6月30日

マイナンバーカード関連サービスの誤登録等の事案について、ご自身での確認方法やご質問・ご不安にお答えします。マイナンバー総合フリーダイヤル（0120-95-0178）でも受け付けております  
2023年5月27日

### トピックス

My number card

#### マイナンバーカード

累計申請件数 (有効申請) 97,904,418  
累計交付枚数 95,182,404  
人口に対する申請件数率 78.1%  
2023年9月3日時点

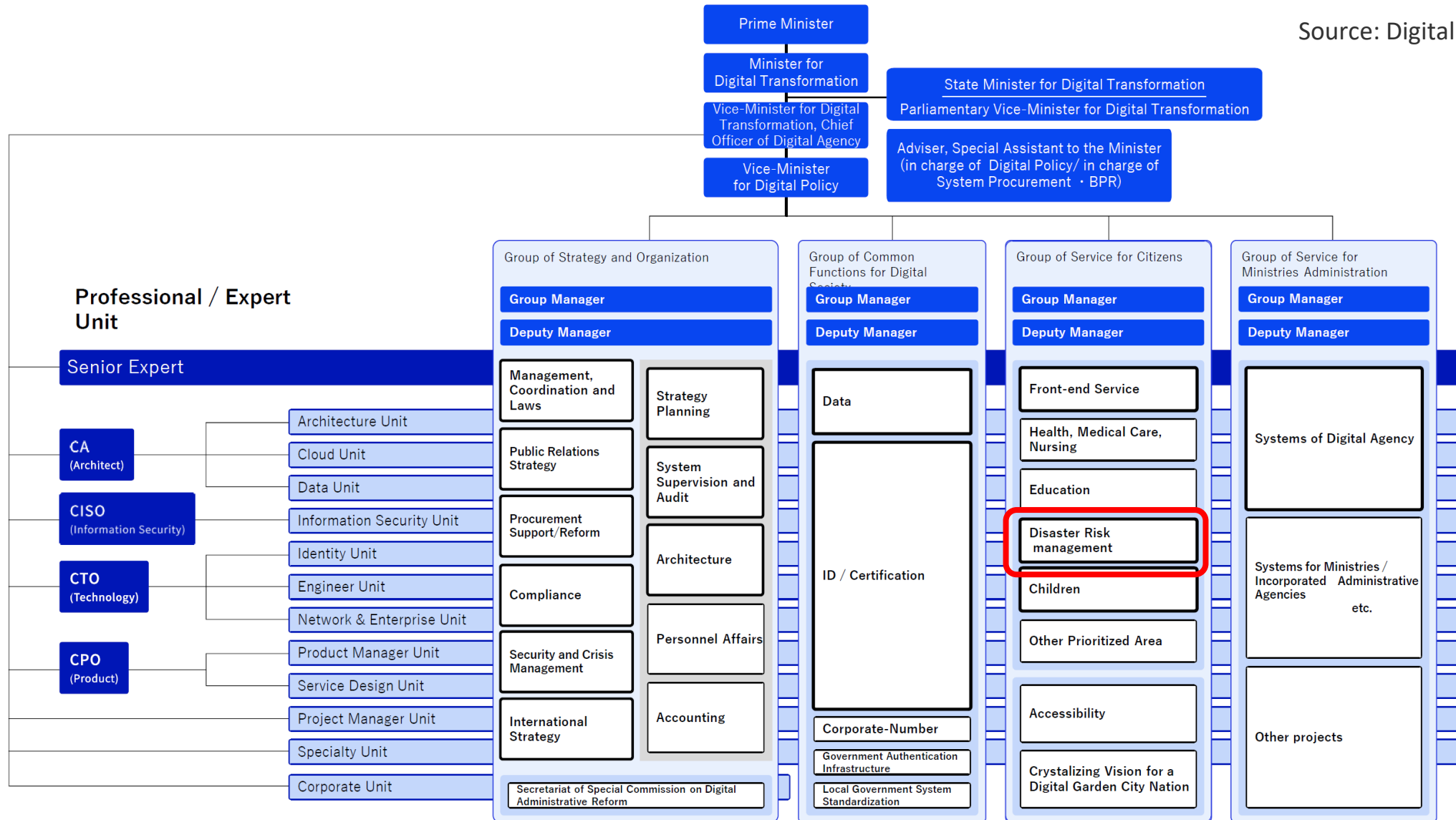
マイナンバー制度・マイナンバーカードのご質問・ご不安にお答えします

政策に関するデータを一元的に表示した「政策データダッシュボード」を公開しています

Homepage of Digital Agency Website

# Organization of Digital Agency as of November 2022

Source: Digital Agency Website



## Public-Private Digital Transformation Committee on DRR (BDX)

<https://ppp-bosai-dx.jp/>

**防災DX官民共創協議会** [お問い合わせ](#)

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[防災DXサービスマップ](#)

# 防災DX 官民共創協議会

防災分野におけるデータ連携等の推進を通じた住民の利便性の向上を目指し、  
防災分野のデータアーキテクチャの設計やデータ連携基盤の構築等の検討を行う協議会

令和6年能登半島地震により被災された方々に心よりお見舞い申し上げます。

**令和6年能登半島地震への対応**

## Purpose:

To realize DRR both in usual and emergency situation by public-private collaboration

## Members:

438 entities as of May 10, 2024 consisting of 99 local public entities (prefecture government, municipalities, public organizations) and 339 private entities (data providers, consultants, transportation, startups, Siers, insurance, finance, media, medical, NPOs, etc.)

1. **Clarification of issues**; To clarify issues relevant to DRR to decide direction of public-private collaboration
2. **Platform Development**; To propose ideal data linkage platform especially from the view point of platform users, such as citizens and municipalities
3. **Market Development**; To create new business opportunities to realize digital transformation of DRR by public-private collaboration

1. Interview and questionnaire surveys to entities relevant to DRR to identify issues
2. Identification of technological trend to determine areas of emphasis and accelerate dissemination of DRR solutions
3. Design of data architecture and data linkage platform
4. Design of data items for DRR applications
5. Design of procurement criteria for applications and systems
6. Design of usage of my number (ID) card for DRR
7. Other subjects to accelerate digital transformation on DRR

**Invitation to Establish and Test  
OS Assessment Indexes  
to Introduce Digital Technologies in DRR**



## 【Background】

- The lack of knowledge of local conditions (OS; legal system, human resources, funding, awareness of disasters, disaster preparedness priorities, digital environment, etc.) prevents successful matching of needs and technology seeds.
- Therefore, we would like to establish indexes to evaluate this OS, and also to invite local governments in the world to help us establish and test it.

## 【Benefits】

- You can know the present status of your city to introduce digital technologies in disaster risk reduction, and to strengthen relevant knowledge.
- You may be able to learn the appropriate state-of-the-art Japanese digital technologies and DRR knowledge to cope with your present situation, and to customize to your local situation aiming at building smart and resilient cities and communities.

- **Organization:** Is there an organization related to disaster reduction?
- **Legal system;** Is there a basic law on disaster risk reduction? Is there a legal system related to pre-disaster prevention, emergency response, reconstruction, etc.?
- **Human resources:** Do you have personnel specialized in disaster risk reduction? Cooperation among industry, government, and academia?
- **Funds;** Is there a budget for disaster risk reduction? Is there a fund for disaster management? Distribution system?
- **Disaster awareness:** An idea of disaster preparedness a shared among citizens?
- **Disaster preparedness needs;** Is there preparedness for disasters? Resilience status?
- **Priority of disaster risk reduction;** Priority compared to other subjects (e.g., food, clothing, housing, etc. BHN, relationship with other infrastructure, etc.)
- **Electricity and communication coverage;** Already electrified? Are means of communication secured? Stability? Emergency backup? Digital environment (smartphone and computer penetration rate, literacy)?



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