World Bosai Forum

Nov 28th, 2017

FUJITSU

shaping tomorrow with you

Accomplishing the SDGs and Solving Social Issues through ICT

Toward achieving targets in 2030
 (SDGs / SFDRR) to leverage
Global Database for Disaster Statistics

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Fujitsu Limited

Fujitsu at a Glance

Fujitsu is the world's fifth-largest IT services provider and No.1 in Japan

Subsidiaries
502

Employees
155K

Sales
JPY4.51T

Datacenter
138

EMEIA
- 121 companies
- 28,000 people
- ¥778.1 billion
- 31 locations

Japan
- 197 companies
- 98,000 people
- ¥2,865.6 billion
- 70 locations

Asia
- 91 companies
- 17,000 people
- ¥385.1 billion
- 16 locations

The Americas
- 54 companies
- 8,000 people
- ¥386.9 billion
- 15 locations

Oceania
- 39 companies
- 3,000 people
- ¥93.8 billion
- 6 locations

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Device Solutions
11.4 %
- LSI
- Electronic Components

Others 1.4 %

Technology Solutions
65.6 %
- Services
- System Platform

Ubiquitous Solutions
21.5 %
- PCs
- Mobilewear
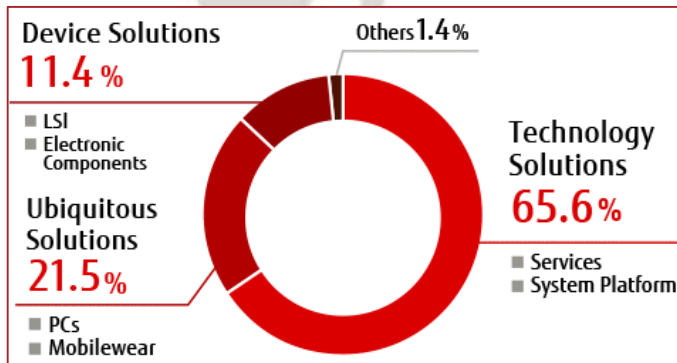
As of March 2017 (only data centers as of May 2017)

Fujitsu's approach to SDGs

- Fujitsu unreservedly endorses the sustainable development goals (SDGs) of the United Nations.

- We want to increase our contribution to the achievement of the SDGs in fields where effective use of ICT can have a major impact.

- Fujitsu is providing services; including AI that assists pharmaceutical development, analysis of statistical data on disasters, and energy usage data.

- By increasing global rollouts of such services, we will grow businesses and make our best efforts focused on realizing the SDGs.

田 中 達 也

代表取締役社長
田中 達也

Source: Fujitsu Integrated Report 2017

Fujitsu's business sphere and SDGs/SFDRR

Planet

Society

Government

Customers

Business Partners

Enterprise

Communities

Create values by utilizing ICT power

Whole Society is our customer

NGO

Employees

Shareholders Investors

Civil Society

THE GLOBAL GOALS
For Sustainable Development

Sendai Framework for Disaster Risk Reduction
2015 - 2030

Contribute to sustainable development for society and the planet

Co-creating Values with UNDP/ Tohoku Univ.

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SDG11 Sustainable Cities and Communities

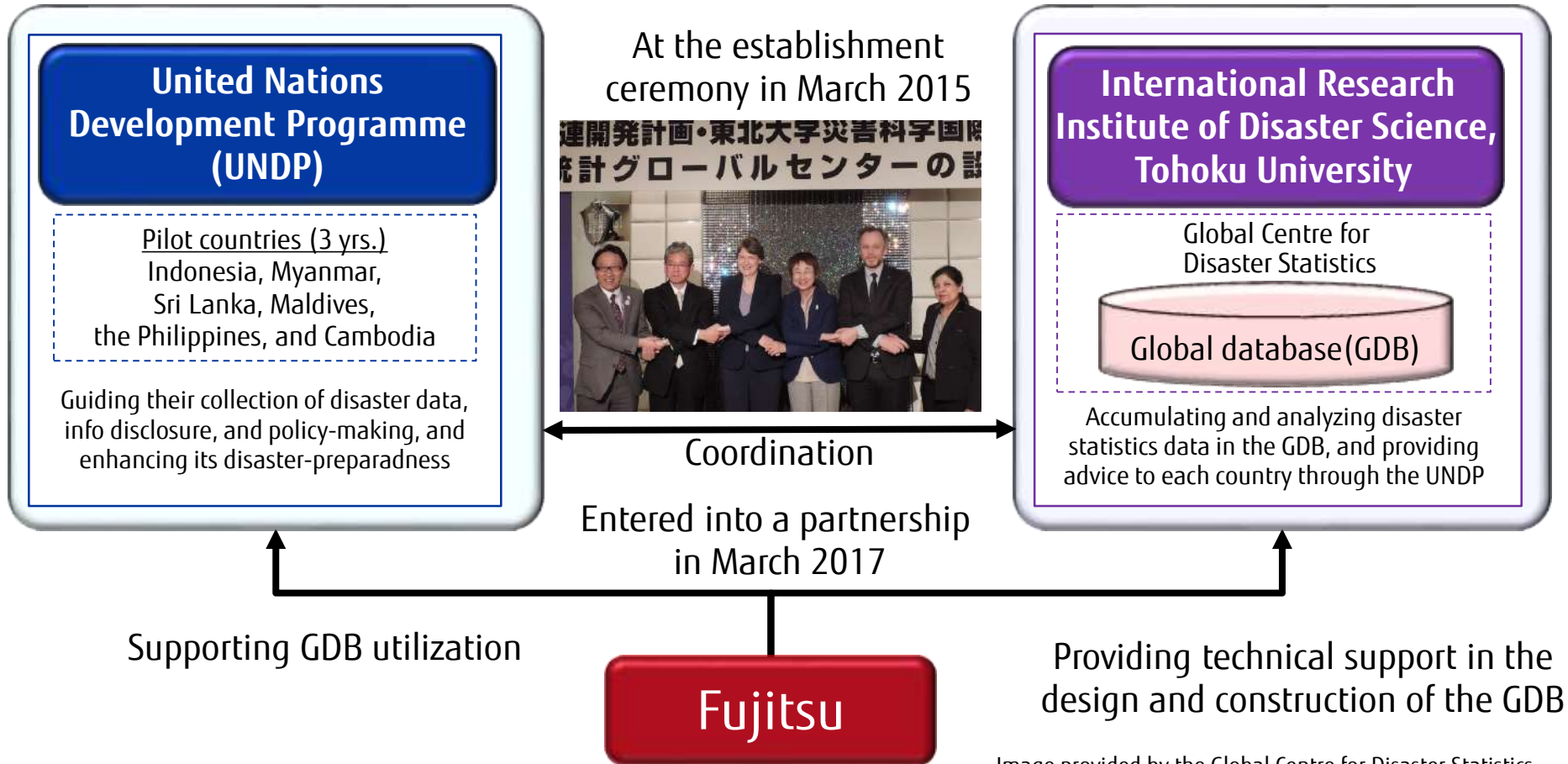Partnerships with the UDNP and Tohoku University, developing the disaster statistics global database(GDB)

United Nations Development Programme (UNDP)

Pilot countries (3 yrs.)
Indonesia, Myanmar,
Sri Lanka, Maldives,
the Philippines, and Cambodia

Guiding their collection of disaster data, info disclosure, and policy-making, and enhancing its disaster-preparedness

At the establishment ceremony in March 2015

International Research Institute of Disaster Science, Tohoku University

Global Centre for Disaster Statistics

Global database(GDB)

Accumulating and analyzing disaster statistics data in the GDB, and providing advice to each country through the UNDP

◄────── Coordination ──────►

Entered into a partnership in March 2017

Supporting GDB utilization

Providing technical support in the design and construction of the GDB

Fujitsu

Image provided by the Global Centre for Disaster Statistics

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Vision on Joint Project

11 SUSTAINABLE CITIES AND COMMUNITIES

Sendai Framework for Disaster Risk Reduction
2015 – 2030

What we expect to achieve on SDGs and Sendai Framework in 2030

Normal times

Monitoring Indicators

"Build Back Better" in recovery/ rehabilitation

Embankment construction

Hazard map/ Evacuation drills

Management Cycle for Disaster Risk Reduction

4 Instruct Policy making by UNDP

Occurrence of disaster

1 Capacity building for Data collection by UNDP

2 Storage Disaster data

Global Database

3 Tohoku Univ.

Analyze disaster data
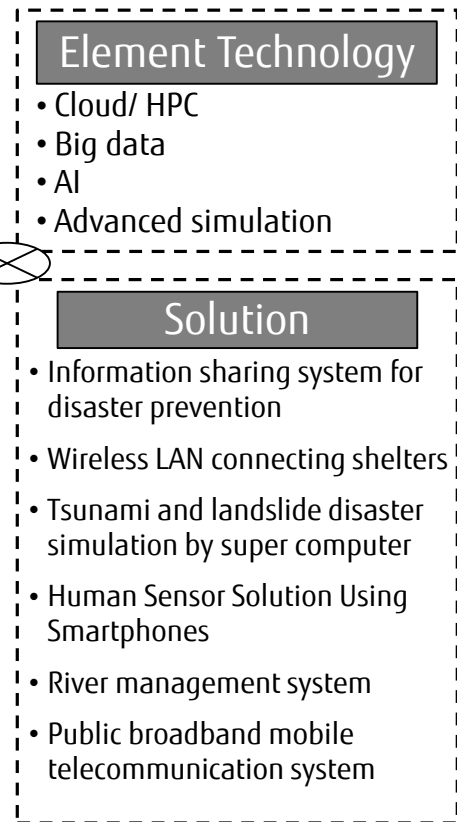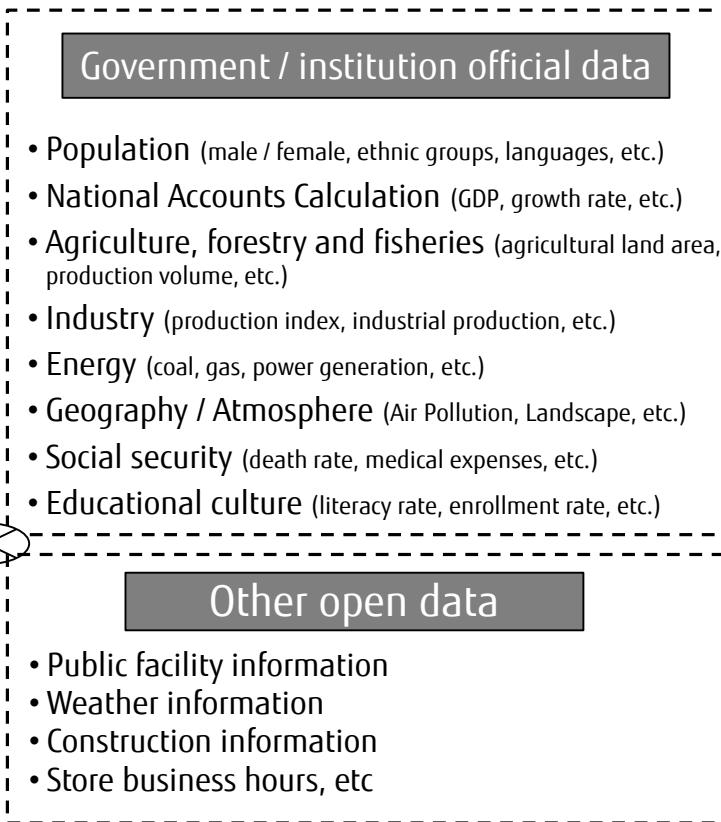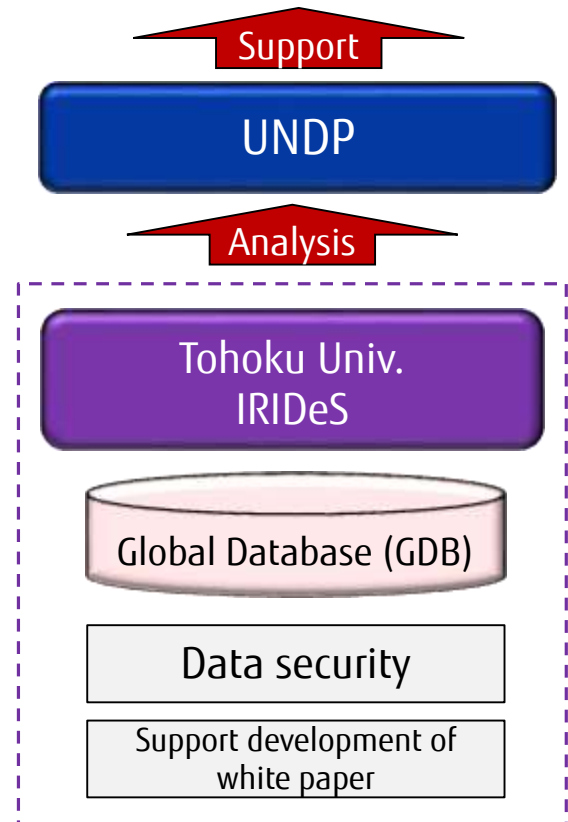
Develop disaster mitigation plan

Toward creation of new added value

New business multiplied data infrastructure with other information / technology

Implement to pilot countries(～2019)
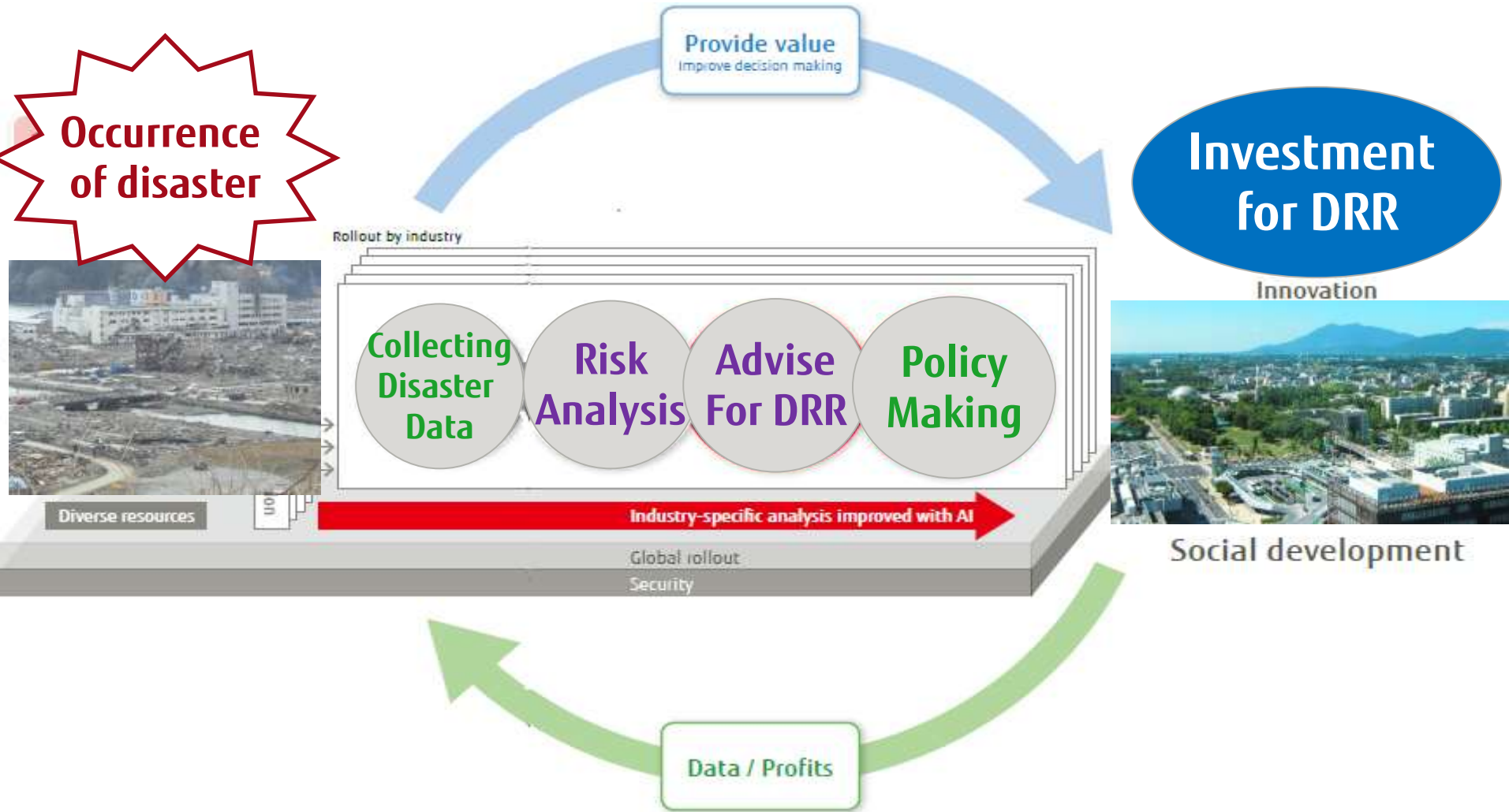Indonesia, Myanmar, Sri Lanka, the Maldives, the Philippines, and Cambodia

toward 2030

11 SUSTAINABLE CITIES AND COMMUNITIES

Sendai Framework for Disaster Risk Reduction 2015 - 2030

Expanding GDB in Asia-Pacific countries, contributing to the capacity building of governments to reduce damage of disaster
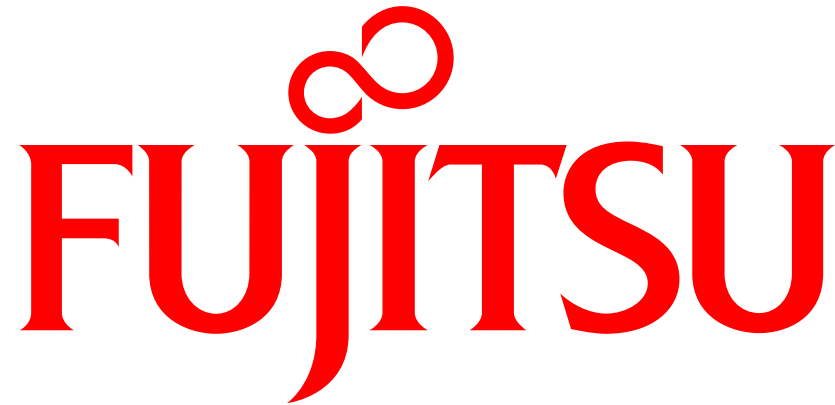
Support

UNDP

Analysis

Tohoku Univ. IRIDeS

Global Database (GDB)

Data security

Support development of white paper

Government / institution official data

- Population (male / female, ethnic groups, languages, etc.)
- National Accounts Calculation (GDP, growth rate, etc.)
- Agriculture, forestry and fisheries (agricultural land area, production volume, etc.)
- Industry (production index, industrial production, etc.)
- Energy (coal, gas, power generation, etc.)
- Geography / Atmosphere (Air Pollution, Landscape, etc.)
- Social security (death rate, medical expenses, etc.)
- Educational culture (literacy rate, enrollment rate, etc.)

Other open data

- Public facility information
- Weather information
- Construction information
- Store business hours, etc

Element Technology

- Cloud/ HPC
- Big data
- AI
- Advanced simulation

Solution

- Information sharing system for disaster prevention
- Wireless LAN connecting shelters
- Tsunami and landslide disaster simulation by super computer
- Human Sensor Solution Using Smartphones
- River management system
- Public broadband mobile telecommunication system

Global Database for Disaster Statistics

Apply Fujitsu Value creation model to Area of Disaster Risk Reduction

Occurrence of disaster

Provide value
improve decision making

Investment for DRR

Innovation

Rollout by industry

Collecting Disaster Data

Risk Analysis

Advise For DRR

Policy Making

Diverse resources

Industry-specific analysis improved with AI

Global rollout

Security

Social development

Data / Profits

Do our best
leveraging ICT, and
steadily taking actions
toward
"What should be done"