

**INTERSESSIONAL PANEL OF THE UNITED NATIONS COMMISSION
ON SCIENCE AND TECHNOLOGY FOR DEVELOPMENT (CSTD)**

**Vienna, Austria
15-17 January 2019**

Contribution of Japan

to the CSTD 2018-19 priority theme on ‘The role of science, technology and innovation in building resilient communities, including through the contribution of citizen science’

DISCLAIMER: The views presented here are the contributors' and do not necessarily reflect the views and position of the United Nations or the United Nations Conference on Trade and Development.

Enhancement of Societal Resiliency against Natural Disasters

【Objective】 To better protect our society against natural disasters such as large earthquakes and tsunamis, heavy rains and tornadoes, among others, focused are on the development of a mechanism to share disaster-related information in the real-time and between the public and private sectors, as well as the strengthening of capabilities to prevent the damage and enhance the post-disaster response.

【Duration】 Five years (FY2014 ~ FY2018)

【Budget】 ¥2.3 Billion (for FY 2017)

■ Goal:

- Develop a mechanism named “Resilience Disaster Information System” to share disaster-related information in the real-time and between the public and private sectors and to estimate the damage immediately after the disaster.
- Contribute to more prompt and efficient post-disaster rescues and responses such as evacuation, emergent repair, etc. to be implemented by a variety of disaster-response agencies.

■ Outreach:

To instrument the developed mechanism to disaster response measures implemented by the national and local governments as well as by private industry.

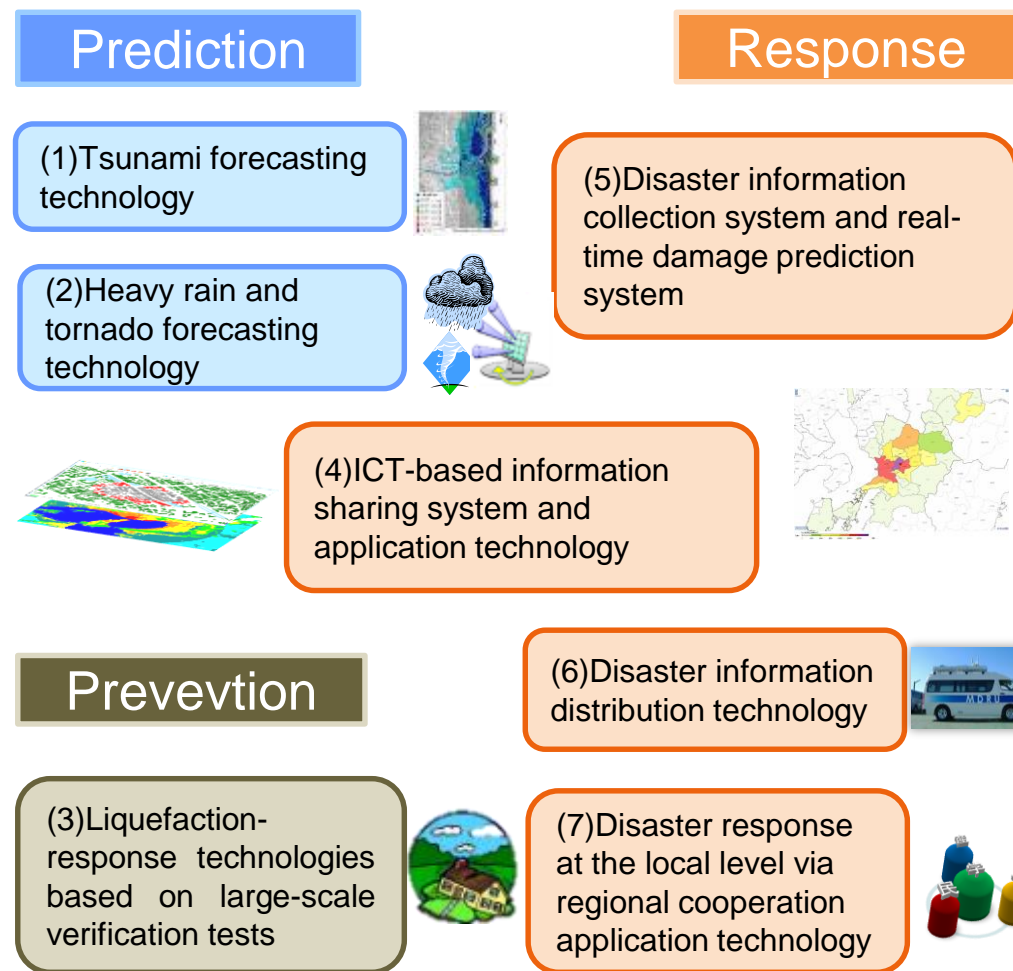
■ Contribution to Innovation:

To reform fundamentals related to disaster measures such as sharing and mutual-use of disaster-related data and establishing basic rules for data exchange in emergency.

■ Program Director (PD) :

Prof. Muneo HORI

(Earthquake Research Institute, Tokyo Univ.)



From:
Sent:
To:
Cc:
Subject:

Dear CSTD Secretariat,

Good morning.

Sorry to delay our response.

Please kindly find the below that to reply the item 5 of the questionnaire(theme 2).

5. Do you have any documentation, references, or reports on the specific examples on the priority theme in your country or region?

(1)International Cooperation in Disaster Risk Reduction
<http://www.bousai.go.jp/en/international/index.html>

(2) White Paper on Disaster Management
http://www.bousai.go.jp/en/documentation/white_paper/index.html

(3)Reports of the Disaster Management
<http://www.bousai.go.jp/en/documentation/reports/index.html>

From: UNCTAD-stdev [mailto:stdev@unctad.org]

Sent: Thursday, September 13, 2018 11:43 AM

Subject: REMINDER (Extending Deadline): UNCTAD _ Request for inputs for CSTD 2018-19 Priority Theme 2: "The role of science, technology and innovation in building resilient communities, including through the contribution of citizen science"

Dear CSTD Member,

This message references the request (sent on 23 July 2018) for inputs on the CSTD 2018-19 Priority Theme 2 on "The role of science, technology and innovation in building resilient communities, including through the contribution of citizen science."

We would like to thank all those who have sent us their inputs.

Kindly note that we are extending the deadline to **Friday, 28 September 2018** if you have not yet sent your inputs.

We would be grateful if you could please acknowledge receipt of this message and let us know if your delegation intends to submit a contribution.

Please send your inputs to stdev@unctad.org by the specified date above. We provide the guidelines for inputs below this message.

Sincere regards,

CSTD secretariat

From: UNCTAD-stdev

Sent: Monday, 23 July 2018 18:14

Subject: UNCTAD _ Request for inputs for CSTD 2018-19 Priority Theme 2: "The role of science, technology and innovation in building resilient communities, including through the contribution of citizen science"

United Nations Commission on Science and Technology for Development (CSTD)

Dear CSTD member,

As you are aware, the CSTD 21st annual session selected "The role of science, technology and innovation in building resilient communities, including through the contribution of citizen science" as one of the priority themes for its 22nd session (2018-19 period).

Communities can be affected by shocks from different origins including natural disasters, economic shocks, health emergencies, social conflict and war, which can produce significant and long-term effects in their development paths. Therefore, building the capacity of communities to respond, mitigate and recover from shocks is critical to reduce the

social and economic impact of these shocks. New and emerging technologies, particularly, those digitally enabled, have the potential to strengthen the resilience of communities. For instance, they enable citizen science that can crowdsource data to help to gather rapid information about the safety of people during natural disasters and data analytics can help to predict the flux of refugees.

The CSTD secretariat is in the process of drafting an issues paper on the theme to be presented at the CSTD inter-sessional panel meeting. In this context, we would like to hereby solicit inputs from the CSTD members on this theme. We would be grateful if you could kindly answer the following questions based on your experience from your country or region.

1. Can you give examples of projects/policies in your country aimed at using science, technology and innovation (STI) to build resilient communities? What are the main challenges confronted while trying to implement these projects/policies in your country or region?

2. Can you provide examples of policies/projects/initiatives aimed at using/promoting citizen science to build resilient communities? Do these projects incorporate a gender approach? What are the main challenges confronted in implementing these projects?

3. What are the actions that the international community, including the CSTD, can take to leverage the potential of STI in building resilient societies, including through the contribution of citizen science? Can you give any success stories in this regard from your country or region?

4. Could you suggest some contact persons of the nodal agency responsible for projects/policies, related to resilient communities, STI and the citizen science as well as any experts (from academia, private sector, civil society or government) dealing with projects in this area? We might contact them directly for further inputs or invite some of them as speakers for the CSTD inter-sessional panel and annual session.

5. Do you have any documentation, references, or reports on the specific examples on the priority theme in your country or region?

Please send your responses and any further inputs on the theme to the CSTD secretariat (stdev@unctad.org) by 6 September 2018. We look forward to receiving your valuable inputs.

Sincere Regards,

CSTD secretariat