

Global Centre for Disaster Statistics:

Strategic Vision & 3-year Programme

UNDP Regional Hub Bangkok

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Background

Launch of Global Centre for Disaster Statistics (GCDS) at the 3rd **UN World Conference on Disaster Risk Reduction (WCDRR)** in March 2015

Joint Partnership with IRIDeS (Tohoku University)

- Implementation of the **SFDRR** and the **SDGs**.
- The GCDS is aligned with **UNDP's Strategic Plan 2018-21** and **UNDP's global commitment** in support of the SFDRR and SDGs.

GCDS current pilot phase to support 7 countries in Asia - Cambodia, Indonesia, Maldives, Myanmar, Philippines, Sri Lanka, and Nepal.

Fujitsu's ICT expertise fully engaged in the development of a **cloud-based** global platform for disaster statistics.



GCDS Strategic Vision

High priority actions

CDS Strategic Vision

- High priority actions



- Strengthened national capacities in Asia- Pacific



- Outreach to other regions



- Cloud based platform



- Disruptive technologies



- Independent analysis



- Building disaster statistics community

Programme concept

A three year programme to support the Strategic Vision, institutionally anchored in UNDP BRH.

Rationale

- **Disaster risk currently threatens the achievement of the SDGs and SFDRR.**
- In particular, in many **low and middle-income countries**, where disaster risk now represents a significant proportion of the value of capital stock, capital investment, social expenditure, reserves or national savings **it is impossible to ensure sustained, let alone sustainable, growth.**
- The achievement of **SDGs** is heavily dependent on increased capital investment in infrastructure and increased social expenditure
- **Accurate statistics on disaster loss and damage**, play a critical role in the identification and estimation of risk patterns and trends.
- **The adoption of the SFDRR and its seven Global Targets in March 2015.** All countries now have an international obligation to produce disaster statistics compliant with the requirements of the SFDRR by 2020.

Rationale

- **The geographical and temporal coverage of national disaster loss databases is still incomplete.** UNISDR reports the existence of 94 disaster databases from all geographies (90 countries and 4 sub-national areas).
- **Only 16 databases have been updated to the end of 2016**, indicating severe issues of ownership and sustainability,
- **Data quality is highly variable** with gaps in temporal coverage; spatial coverage; loss estimation; loss indicators
- **Few countries have integrated disaster statistics into their national planning and decision-making processes.**
- **None of the existing databases meet all the minimum requirements required to monitor the SFDRR and SDGs.** All existing databases will have to be upgraded and retrofitted, including the development of the 2005-2015 baseline by 2020.
- **No structured process or information system for capturing or analyzing new sources of disaster data**, including from earth observation, social media, crowdsourcing, big data and drone surveys, which are now disrupting traditional mechanisms for collecting disaster statistics.

Programme Outcome

The achievement of the **SDGs** and the **SFDRR** supported through a robust, complete and sustainable national and global system of **disaster statistics**.

Programme Outputs

Output 1



Output 1

Strengthened national capacities for disaster statistics

- Capacity building to retrofit and upgrade databases to meet SFDRR Minimum standards
- Support transversal integration into national statistics and across government sectors and to strengthen institutionalization and sustainability, building on the country presence of UNDP

Output 2



Output 2

Global information platform for the analysis of disaster statistics

- Building on the cutting-edge technologies of Fujitsu, a cloud based global platform for disaster statistics will be developed
- linked to national disaster loss and damage databases using API (Automated Programming Interface).

Output 3



Output 3

Independent scientific analysis of progress towards the achievement of the Global Targets of the SFDRR and the SDGs

- Building on the research capabilities of IRIDeS GCDS will publish a first independent regional and global analysis of progress towards the achievement of the Global Targets of the SFDRR and the disaster related targets of the SDG through a scientific analysis of disaster statistics and relevant social, economic and environmental indicators.

Partnerships

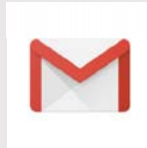
The GCDS Programme is a partnership which builds on the respective strengths of **UNDP, IRIDeS, Fujitsu, Pacific Consultants, UNISDR, UNESCAP**

- **Core partners:** UNDP, UNISDR, IRIDeS, Fujitsu, UNESCAP national governments.
- **Regional technical partners:** OSSO, CIMA, ADRC, UNDP Regional Hubs and Country Offices
- **UN partners:** Regional Economic Commissions
- **Special partners:** IDMC, RIMES, JICA, ICHARM, IRP, SEI and others

Thank You

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