

Integrated Monitoring & Reporting System for Sendai Framework and SDGs (Sendai Framework Monitor; SFM)

6. Data flows and global data reporting

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In support of the Sendai Framework
for Disaster Risk Reduction 2015 - 2030



Sendai Framework | 2030 Agenda for Sustainable Development

Collaborative manner to develop indicators

Sendai Framework for Disaster Risk Reduction
2015 - 2030

SUSTAINABLE DEVELOPMENT GOALS

- **Open-ended Intergovernmental Expert Working Group on Indicators and Terminology (OIEWG)** met in 3 Sessions in 2015-2016
- **UN General Assembly endorsed** the recommendations of the OIEWG contained in its report A/71/644, February 2017
http://dev.preventionweb.net/files/50683_oiewgreportenglish.pdf
- **IAEG-SDGs** recognized the OIEWG, and identified UNISDR as **custodian agency** of DRR related Indicators, December 2015
- **UN Statistical Commission, 48th Session, March 2017:** endorsed Report of the IAEG-SDGs | Note by the Secretary-General - E/CN.3/2017/2* proposing the recommended indicators of the OIEWG
<https://unstats.un.org/unsd/statcom/48th-session/documents/2017-2-IAEG-SDGs-E.pdf>

11 SDGs indicators = 5 indicators from the Sendai Framework (Target A-E)

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7 GLOBAL TARGETS

Reduce

Increase

A

Mortality/
global population

2020-2030 Average << 2005-2015 Average

E

**Countries with national
& local DRR strategies**

2020 Value >> 2015 Value

B

Affected people/
global population

2020-2030 Average << 2005-2015 Average



F

**International
cooperation
to developing countries**

2030 Value >> 2015 Value

C

Economic loss/
global GDP

2030 Ratio << 2015 Ratio

G

**Damage to critical infrastructure
& disruption of basic services**

2030 Values << 2015 Values

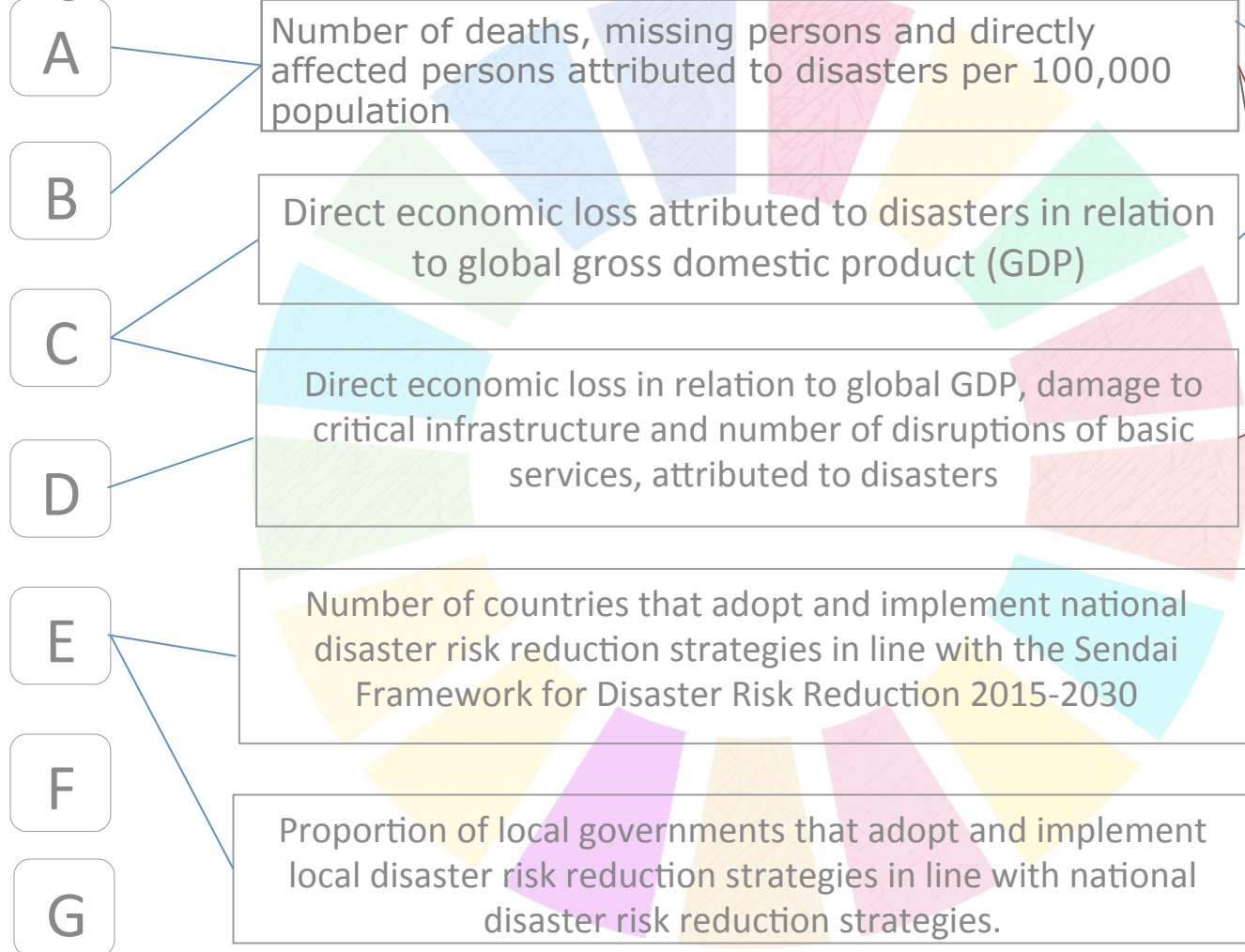
G

**Availability and access
to multi-hazard early warning
systems & disaster risk
information and assessments**

2030 Values >> 2015 Values

Disaster risk reduction indicators in measuring the 2030 Agenda

Target



Goal / Target

Goal 1. Target 1.5

Goal 11. Target 11.5

Goal 11. Target 11.b

Goal 13. Target 13.1

11 SDGs indicators = 5 indicators from the Sendai Framework (Target A-E)

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Reporting year: 2018

GLOBAL TARGETS: Reporting

- Metadata
- A Mortality**
- B People affected
- C Economic loss
- D Critical services
- E Disaster strategies
- F International cooperation
- G Early information

Disaggregation (optional)

+ Hazards

+ Geography

+ Sex

+ Age

+ Income

+ Disability

Target A STATUS: Not started

Substantially reduce global disaster mortality by 2030, aiming to lower average per 100,000 global mortality between 2015-30 compared to 2005-2015.

A-1 Number of deaths and missing persons attributed to disasters, per 100,000 population

2017	2018	BASELINE: 2005-2014
0		N/A

CALCULATE COMPOUND INDICATOR A-1

A-2 Number of deaths attributed to disasters, per 100,000 population

Not started

To be imported from National Disaster Loss Database

YES NO

SUBMIT INDICATOR A-2

Number of deaths per 100 000 (calculated indicator)

YEAR	NUMBER	SOURCE
2018		
2017		

A-2a Number of deaths attributed to disasters

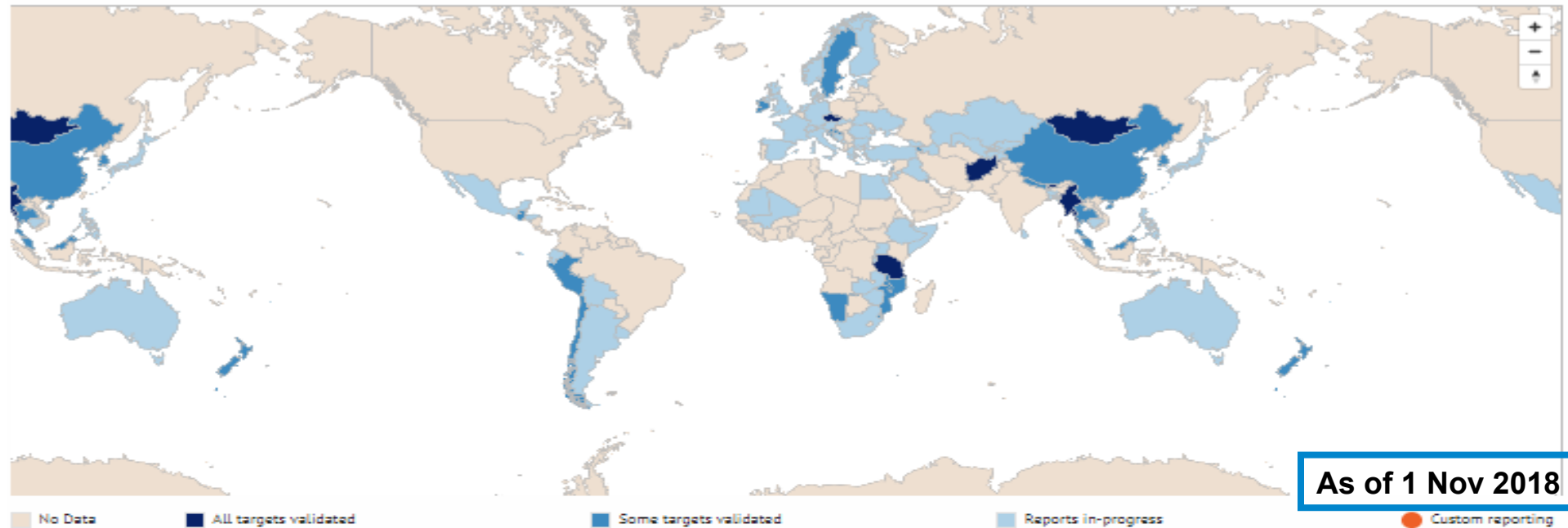
Number of deaths

YEAR	NUMBER	SOURCE
2018		
2017	82	

GLOBAL TARGETS

Reporting year: 2017

TARGET REPORTING: MAP

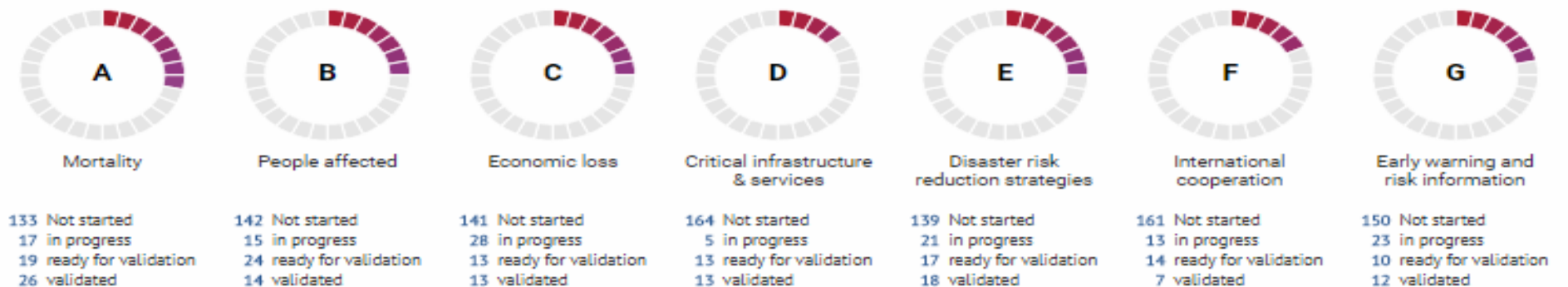


PROGRESS OF GLOBAL TARGETS

COUNTRY REPORTING OVERVIEW



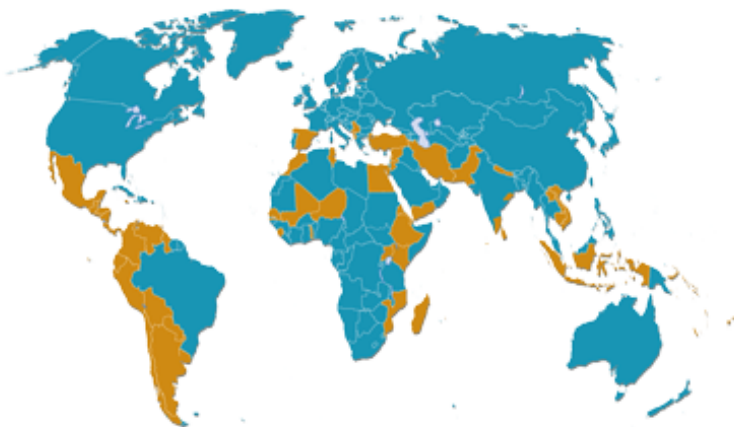
TARGET REPORTING OVERVIEW



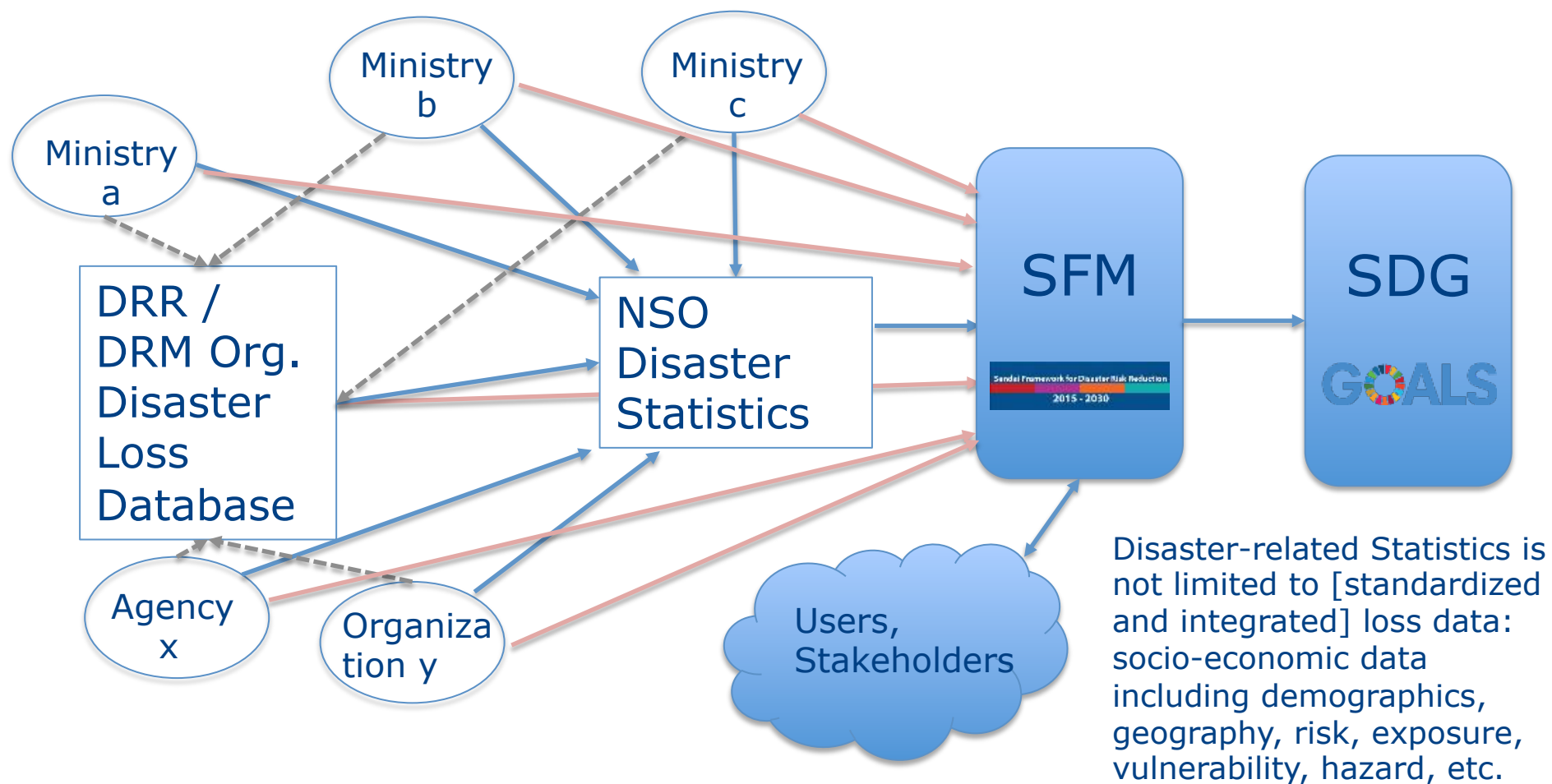
Online Loss Accounting sub-system: DesInventar Sendai

- Detailed disaster loss data for **104** countries are available
- Tools for collecting disaster loss data and Reporting to **Sendai Framework and SDG monitoring**
- Developed by UNISDR, La Red and supported by UNDP, DesInventar is a **free and open source** tool that helps to analyze the disaster trends and their impacts in a systematic manner (by built-in analytic tools)
- DesInventar proposes a **methodology** that allows to develop analysis in a comparative way between the countries that have joined the initiative.
- Wide coverage of disasters regardless of scales. (**no thresholds**)
- Disaggregation of data to **subnational units** (county/municipality).
- Collected and validated locally within the country.
- Updating and Retrofitting is on-going (update current datasets, add new hazards (biological, technological, environmental) and new loss indicators.

<http://www.desinventar.net>

The screenshot shows the DesInventar Sendai web interface. At the top, it says "UNISDR DesInventar Sendai" and "SENDI FRAMEWORK FOR DISASTER RISK REDUCTION". Below this is a navigation menu with "HOME", "ANALYSIS", "DOWNLOAD", and "ABOUT". A secondary menu includes "Region", "Geography", "Events", "Causes", "Extension", "Query", "Edit Data", "Data Entry", "Admin", "Sendai", and "Security". The main content area is titled "Query Definition" and is for the "Region Colombia - [col]". It features several dropdown menus for "Disaster type" (listing FLOOD, LANDSLIDE, etc.), "Departamento" (listing Antioquia, Arauca, etc.), "Municipio" (listing El Encanto, La Chorrera, etc.), and "Cause" (listing Accidente de tránsito, ERUPTION, etc.). Below these are checkboxes for "Select only events with:" (Deaths, Houses Destroyed, etc.) and "Select events that affected:" (Water supply, Health sector, etc.). At the bottom, there are fields for "Date range", "GLIDE number", and buttons for "Edit Data", "New Query", and "Save Query".

Possible DRR information/data flows within a country



Institutional Arrangement at National Level

1. Nomination of National Sendai Framework Focal Point

2.



Coordinator

Sets up the national monitor:
adds users, institutions, configures metadata, creates
national custom reporting



Contributors

Enter data for their assigned indicators



Validator

Validates report once data entry is complete

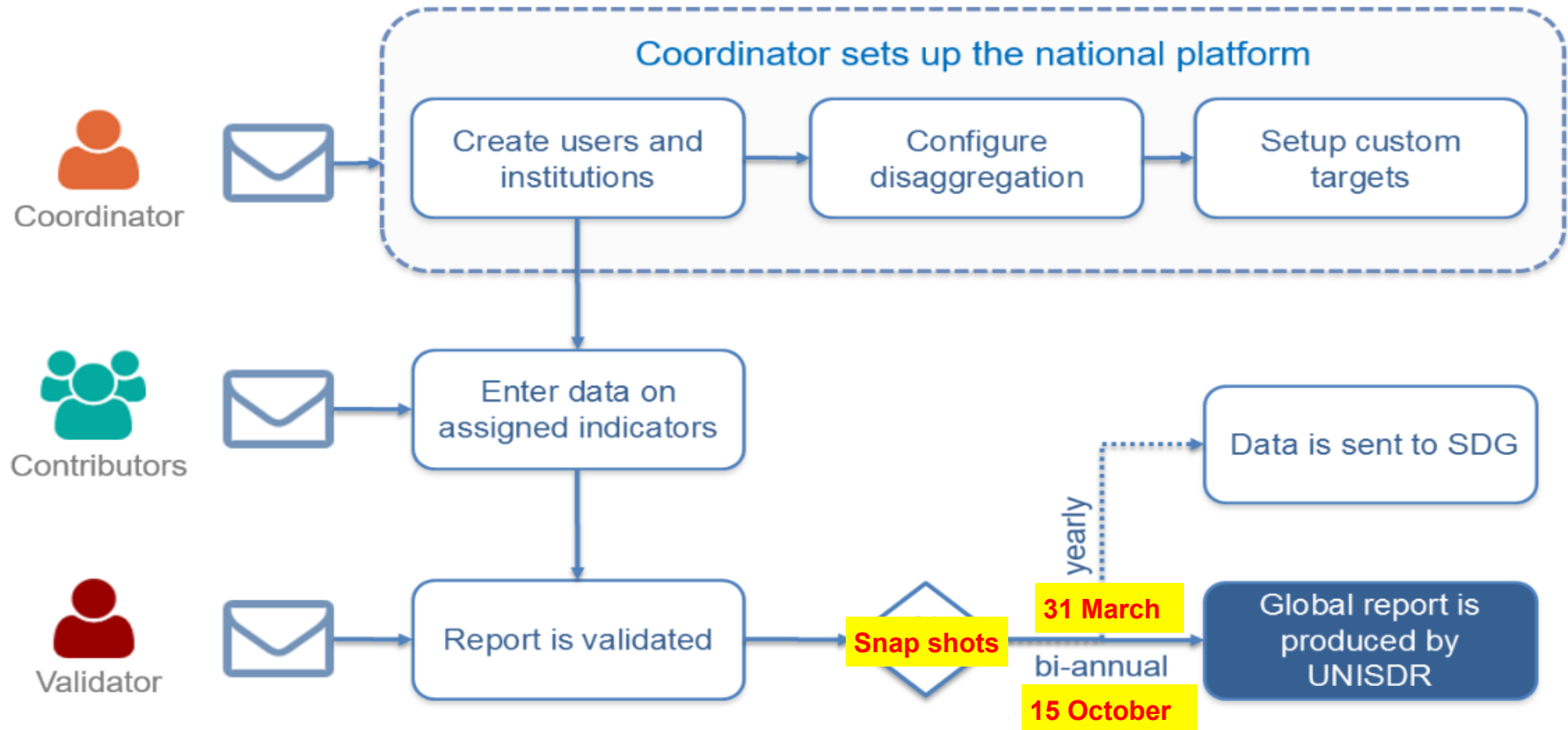


Observers

Have read-only access and are optional

Roles & Responsibilities of Users

Global targets



Potential Roles of National Statistics Offices in the Sendai Framework Monitoring process

- Support to Coordination and Data Sharing
- Processing of data and data quality assurance
- Endorsing/validating data as Official Statistics
- Informing Metadata (e.g. population, av. no. of households, GDP)
- Storage and preservation of data
- Provision of data sharing platforms
- Support, hosting or operation of national disaster loss databases
- Production of disaster-related statistics
- Production of climate change-related statistics
- Geographic Information Service (GIS)

and many more ...

Will also contribute to the monitoring of SDGs

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Status of Reporting in the Sendai Framework Monitoring process (October 2018)

Status:

- SFM: 96 countries participating
DesInventar: 104 countries participating
(18 countries are being updated as almost real-time and
26 are fully up-to-date for SFM purposes (end of 2017))

Challenges:

- Data Availability for Global Indicators including baseline data and disaggregated data
- Data Quality
- Institutional arrangements to better coordinate data collection, data sharing and data reporting
- Resources and Capacity

Opportunities:

- Global partnership for disaster statistics (UNISDR, UNECE, UNESCAP, etc)
- Report to the 50th Statistical Commission
- Inclusion of DRR data as topic in the SC agenda
- Dissemination of Disaster Related Statistics Framework (UN-ESCAP)
- Task force for Measuring Extreme Events (UNECE)

Participation of statistical communities will support the multi-purpose monitoring process !!

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Thank you

United Nations Office for Disaster Risk Reduction (UNISDR)

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