

# Swaziland

## Sendai Framework Data Readiness Review - Report - Swaziland

### Generic

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Do you have a national database for collecting disaster losses?

No

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When do you plan to start collecting data attributed to disasters?

The UNISDR shall provide technical support to Swaziland on Disaster Loss Tracking on 4 - 6 April 2017. That shall mark the beginning of the process

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What resources do you need to collect data on disasters?

Capacity

Financial

Technology transfer

## Global target A: Substantially reduce global disaster mortality by 2030

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The scope of disaster in this and subsequent targets is defined in paragraph 15 of the Sendai Framework for Disaster Risk Reduction 2015-2030 and applies to small-scale and large-scale, frequent and infrequent, sudden and slow-onset disasters caused by natural or man-made hazards, as well as related environmental, technological and biological hazards and risk.

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

Do you collect number of deaths attributed to disasters ?

Yes

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The scope of disaster in this and subsequent targets is defined in paragraph 15 of the Sendai Framework for Disaster Risk Reduction 2015-2030 and applies to small-scale and large-scale, frequent and infrequent, sudden and slow-onset disasters caused by natural or man-made hazards, as well as related environmental, technological and biological hazards and risk.

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

Do you collect number of deaths attributed to disasters disaggregated by event?

Yes

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Do you collect number of deaths attributed to disasters associated with a hazard type?

Yes

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Do you collect number of deaths attributed to disasters disaggregated by location?

Yes

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Do you collect number of deaths attributed to disasters disaggregated by age?

Yes

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Do you collect number of deaths attributed to disasters disaggregated by sex?

Yes

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Do you collect number of deaths attributed to disasters disaggregated by disability?

Yes

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Do you collect number of deaths attributed to disasters disaggregated by income?

Yes

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Does the collected data cover the entire period 2005 - 2015?

Yes

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The scope of disaster in this and subsequent targets is defined in paragraph 15 of the Sendai Framework for Disaster Risk Reduction 2015-2030 and applies to small-scale and large-scale, frequent and infrequent, sudden and slow-onset disasters caused by natural or man-made hazards, as well as related environmental, technological and biological hazards and risk.

Indicator A-3: Number of missing persons attributed to disasters, per 100,000 population.

Do you collect number of missing persons attributed to disasters?

Yes

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The scope of disaster in this and subsequent targets is defined in paragraph 15 of the Sendai Framework for Disaster Risk Reduction 2015-2030 and applies to small-scale and large-scale, frequent and infrequent, sudden and slow-onset disasters caused by natural or man-made hazards, as well as related environmental, technological and biological hazards and risk.

Indicator A-3: Number of missing persons attributed to disasters, per 100,000 population.

Do you collect number of missing persons attributed to disasters disaggregated by event?

Yes

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Do you collect number of missing persons attributed to disasters associated with a hazard type?

Yes

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Do you collect number of missing persons attributed to disasters disaggregated by location?

Yes

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Do you collect number of missing persons attributed to disasters disaggregated by age?

Yes

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Do you collect number of missing persons attributed to disasters disaggregated by sex?

Yes

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Do you collect number of missing persons attributed to disasters disaggregated by disability?

Yes

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Do you collect number of missing persons attributed to disasters disaggregated by income?

No

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Does the collected data cover the entire period 2005 – 2015?

Yes

## **Global target B: Substantially reduce the number of affected people globally by 2030**

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Indicator B-2: Number of injured or ill people attributed to disasters, per 100,000 population.

Do you collect number of injured or ill people attributed to disasters?

Yes

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Indicator B-2: Number of injured or ill people attributed to disasters, per 100,000 population.

Do you collect number of injured or ill people attributed to disasters disaggregated by event?

Yes

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Do you collect number of injured or ill people attributed to disasters associated with a hazard type?

Yes

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Do you collect number of injured or ill people attributed to disasters disaggregated by location?

Yes

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Do you collect number of injured or ill people attributed to disasters disaggregated by age?

Yes

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Do you collect number of injured or ill people attributed to disasters disaggregated by sex?

Yes

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Do you collect number of injured or ill people attributed to disasters disaggregated by disability?

Yes

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Do you collect number of injured or ill people attributed to disasters disaggregated by income?

No

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Does the collected data cover the entire period 2005 – 2015?

Yes

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Indicator B-3: Number of people whose damaged dwellings were attributed to disasters.

Do you collect number of people whose dwellings were damaged attributed to disasters?

Yes

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Indicator B-3: Number of people whose damaged dwellings were attributed to disasters.

UNISDR can use the following sub-indicators to estimate number of people whose dwellings have been damaged attributed to disasters. This indicator will also be necessary for Calculation of C4

Do you collect number of dwellings that were damaged attributed to disasters?

Yes

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Indicator B-3: Number of people whose damaged dwellings were attributed to disasters.

UNISDR can use the following sub-indicators to estimate number of people whose dwellings have been damaged attributed to disasters. This indicator will also be necessary for Calculation of C4

Does your official statistical data source provide number of people per household?

Yes

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Indicator B-3: Number of people whose damaged dwellings were attributed to disasters.

Do you collect number of people whose dwellings were damaged attributed to disasters disaggregated by event?

Yes

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Do you collect number of people whose dwellings were damaged attributed to disasters associated with a hazard type?

Yes

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Do you collect number of people whose dwellings were damaged attributed to disasters disaggregated by location?

Yes

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Do you collect number of people whose dwellings were damaged attributed to disasters disaggregated by age?

No

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Do you collect number of people whose dwellings were damaged attributed to disasters disaggregated by sex?

Yes

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Do you collect number of people whose dwellings were damaged attributed to disasters disaggregated by disability?

No

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Do you collect number of people whose dwellings were damaged attributed to disasters disaggregated by income?

No

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Does the collected data cover the entire period 2005 – 2015?

Yes

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Indicator B-3: Number of people whose damaged dwellings were attributed to disasters.

UNISDR can use the following sub-indicators to estimate number of people whose dwellings have been damaged attributed to disasters. This indicator will also be necessary for Calculation of C4

Do you collect number of dwellings that were damaged attributed to disasters

disaggregated by event?

Yes

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Do you collect number of dwellings that were damaged attributed to disasters associated with a hazard type?

Yes

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Do you collect number of dwellings that were damaged attributed to disasters disaggregated by location?

Yes

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Do you collect number of dwellings that were damaged attributed to disasters at all scales?

Yes

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Does the collected data cover the entire period 2005 – 2015?

Yes

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Indicator B-4: Number of people whose destroyed dwellings were attributed to disasters.

Do you collect number of people whose dwellings were destroyed attributed to disasters?

Yes

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Indicator B-4: Number of people whose destroyed dwellings were attributed to disasters.

Note: UNISDR can use the following sub-indicators to estimate number of people whose dwellings have been destroyed attributed to disasters. This indicator will also be necessary for Calculation of C4

Do you collect number of dwellings that were destroyed attributed to disasters?

Yes

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Indicator B-4: Number of people whose destroyed dwellings were attributed to disasters.

Do you collect number of people whose dwellings were destroyed attributed to disasters disaggregated by event?

Yes

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Do you collect number of people whose dwellings were destroyed attributed to disasters associated with a hazard type?

Yes

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Do you collect number of people whose dwellings were destroyed attributed to disasters disaggregated by location?

Yes

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Do you collect number of people whose dwellings were destroyed attributed to disasters disaggregated by age?

Yes

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Do you collect number of people whose dwellings were destroyed attributed to

disasters disaggregated by sex?

Yes

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Do you collect number of people whose dwellings were destroyed attributed to disasters disaggregated by disability?

No

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Do you collect number of people whose dwellings were destroyed attributed to disasters disaggregated by income?

No

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Does the collected data cover the entire period 2005 - 2015?

Yes

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Indicator B-4: Number of people whose destroyed dwellings were attributed to disasters.

Note: UNISDR can use the following sub-indicators to estimate number of people whose dwellings have been destroyed attributed to disasters. This indicator will also be necessary for Calculation of C4

Do you collect number of dwellings that were destroyed attributed to disasters disaggregated by event?

Yes

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Do you collect number of dwellings that were destroyed attributed to disasters associated with a hazard type?

Yes

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Do you collect number of dwellings that were destroyed attributed to disasters disaggregated by location?

Yes

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Do you collect number of dwellings that were destroyed attributed to disasters at all scales?

Yes

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Does the collected data cover the entire period 2005 – 2015?

Yes

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Indicator B-5: Number of people whose livelihoods were disrupted or destroyed, attributed to disasters.

Do you collect number of people whose livelihoods were disrupted or destroyed, attributed to disasters?

No

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Indicator B-5: Number of people whose livelihoods were disrupted or destroyed, attributed to disasters.

UNISDR can use the following sub-indicators to estimate number of people whose livelihoods were disrupted or destroyed, attributed to disasters. This indicator will also be necessary for Calculation of C2

Do you collect physical damage to the agricultural sector attributed to disasters?

Yes

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Indicator B-5: Number of people whose livelihoods were disrupted or destroyed, attributed to disasters.

When do you plan to start collecting data on number of people whose livelihoods were disrupted or destroyed, attributed to disasters?

year 2017

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What resources do you need to collect data on number of people whose livelihoods were disrupted or destroyed, attributed to disasters?

Capacity

Financial

Technology transfer

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Indicator B-5: Number of people whose livelihoods were disrupted or destroyed, attributed to disasters.

UNISDR can use the following sub-indicators to estimate number of people whose livelihoods were disrupted or destroyed, attributed to disasters. This indicator will also be necessary for Calculation of C2

Do you collect number of hectares on crop land damaged by disasters?

Yes

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Do you collect type of crops damaged by disasters?

Yes

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Do you collect number of hectares of aquacultures damaged by disasters?

Yes

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Do you collect number of fishing vessels damaged by disasters (Fisheries)?

Yes

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Do you collect type of fishing vessels damaged by disasters (Fisheries)?

Yes

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Do you collect number of hectares of forests damaged by disasters?

Yes

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Do you collect type of forests (incl. Plantations) damaged by disasters?

Yes

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Do you collect number of livestock lost by disasters?

Yes

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Do you collect type of livestock lost by disasters?

Yes

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Do you collect physical damage to the agricultural sector attributed to disasters disaggregated by event?

Yes

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Do you collect physical damage to the agricultural sector attributed to disasters associated with a hazard type?

Yes

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Do you collect physical damaged on agricultural sector attributed to disasters disaggregated by location?

Yes

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Do you collect physical damage to the agricultural sector attributed to disasters at all scales?

Yes

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Does the collected data cover the entire period 2005 – 2015?

Yes



## Global target C: Reduce direct disaster economic loss in relation to global GDP

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Indicator C-2: Direct agricultural loss attributed to disasters.

Agriculture is understood to include the crops, livestock, fisheries, apiculture, aquaculture and forest sectors as well as associated facilities and infrastructure.

Do you collect data on direct economic agricultural loss attributed to disasters?

Yes

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Indicator C-2: Direct agricultural loss attributed to disasters.

Agriculture is understood to include the crops, livestock, fisheries, apiculture, aquaculture and forest sectors as well as associated facilities and infrastructure.

UNISDR can use the following sub-indicators to estimate direct economic agricultural loss attributed to disaster.

Do you collect physical damage to the agricultural sector attributed to disasters?

Yes

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Do you collect number of hectares on crop land damaged by disasters?

Yes

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Do you collect type of crops damaged by disasters?

Yes

---

Do you collect number of hectares of aquacultures damaged by disasters?

Yes

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Do you collect number of fishing vessels damaged by disasters (Fisheries)?

Yes

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Do you collect type of fishing vessels damaged by disasters (Fisheries)?

Yes

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Do you collect number of hectares of forestry damaged by disasters?

Yes

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Do you collect type of forests (incl. Plantations) damaged by disasters?

Yes

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Do you collect number of livestock lost by disasters?

Yes

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Do you collect type of livestock lost by disasters?

Yes

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Do you collect physical damage to the agricultural sector attributed to disasters disaggregated by event?

Yes

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Do you collect physical damage to the agricultural sector attributed to disasters associated with a hazard type?

Yes

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Do you collect physical damage to the agricultural sector attributed to disasters at all scales?

Yes

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Does the collected data cover the entire period 2005 – 2015?

Yes

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Indicator C-3: Direct economic loss to all other damaged or destroyed productive assets attributed to disasters.

Productive assets would be disaggregated by economic sector, including services, according to standard international classifications. Countries would report against those economic sectors relevant to their economies. This would be described in the associated metadata.

Do you collect data on direct economic loss due to all other damaged or destroyed productive assets attributed to disasters?

Yes

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Indicator C-3: Direct economic loss to all other damaged or destroyed productive assets attributed to disasters.

Productive assets would be disaggregated by economic sector, including services,

according to standard international classifications. Countries would report against those economic sectors relevant to their economies. This would be described in the associated metadata.

Do you collect physical impact to all other damaged or destroyed productive assets attributed to disasters?

Yes

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Indicator C-3: Direct economic loss to all other damaged or destroyed productive assets attributed to disasters.

Productive assets would be disaggregated by economic sector, including services, according to standard international classifications. Countries would report against those economic sectors relevant to their economies. This would be described in the associated metadata.

Please specify the sectors where direct economic loss due to all other damaged or destroyed productive assets attributed to disasters are collected?

Energy Sector Textile and Apparel Agriculture Water Sector Industry

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Do you collect direct economic loss due to all other damaged or destroyed productive assets attributed to disasters disaggregated by event?

No

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Do you collect direct economic loss due to all other damaged or destroyed productive assets attributed to disasters associated with a hazard type?

No

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Do you collect direct economic loss due to all other damaged or destroyed productive assets attributed to disasters disaggregated by location?

No

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Do you collect direct economic loss due to all other damaged or destroyed productive assets attributed to disasters at all scales?

No

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Does the collected data cover the entire period 2005 – 2015?

No

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Indicator C-3: Direct economic loss to all other damaged or destroyed productive assets attributed to disasters.

Productive assets would be disaggregated by economic sector, including services, according to standard international classifications. Countries would report against those economic sectors relevant to their economies. This would be described in the associated metadata.

Note: UNISDR can use the following sub-indicators to estimate a proxy for direct economic loss due to all other damaged or destroyed attributed to disasters

Do you collect number of industrial facilities destroyed or damaged by disasters?

No

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Do you collect number of commercial buildings destroyed or damaged by disasters?

No

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Do you collect number of tourism facilities (such as hotel) destroyed or

damaged by disasters?

No

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Do you collect number of industrial facilities destroyed or damaged by disasters?

No

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Do you collect physical impact to all other damaged or destroyed productive assets attributed to disasters disaggregated by event?

No

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Do you collect physical impact to all other damaged or destroyed productive assets attributed to disasters associated with a hazard type?

No

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Do you collect physical impact to all other damaged or destroyed productive assets attributed to disasters disaggregated by location?

No

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Do you collect physical impact to all other damaged or destroyed productive assets attributed to disasters at all scales?

No

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Does the collected data cover the entire period 2005 - 2015?

No

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Indicator C-4: Direct economic loss in the housing sector attributed to disasters.

Data would be disaggregated according to damaged and destroyed dwellings.

Note: UNISDR can use the following sub-indicators to estimate direct economic loss in the housing sector attributed to disasters.

Do you collect data on direct economic loss in the housing sector attributed to disaster?

No

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Indicator C-4: Direct economic loss in the housing sector attributed to disasters.

Data would be disaggregated according to damaged and destroyed dwellings.

Note: UNISDR can use the following sub-indicators to estimate direct economic loss in the housing sector attributed to disasters.

Do you collect number of dwellings that were damaged attributed to disasters?

Yes

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Indicator C-4: Direct economic loss in the housing sector attributed to disasters.

Data would be disaggregated according to damaged and destroyed dwellings.

Note: UNISDR can use the following sub-indicators to estimate direct economic loss in the housing sector attributed to disasters.

Do you collect number of dwellings that were destroyed attributed to disasters?

Yes

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Indicator C-4: Direct economic loss in the housing sector attributed to disasters.

Data would be disaggregated according to damaged and destroyed dwellings.

Note: UNISDR can use the following sub-indicators to estimate direct economic loss in the housing sector attributed to disasters.

Does your official statistical data source provide (average value per square meter of construction, average size of dwelling, average value of dwelling)?

No

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Indicator C-4: Direct economic loss in the housing sector attributed to disasters.

Data would be disaggregated according to damaged and destroyed dwellings.

When do you plan to start collecting data on direct economic loss in the housing sector attributed to disaster?

Year 2017

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What resources do you need to collect data on direct economic loss in the housing sector attributed to disaster?

Capacity

Financial

Technology transfer

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Indicator C-4: Direct economic loss in the housing sector attributed to disasters.

Data would be disaggregated according to damaged and destroyed dwellings.

Note: UNISDR can use the following sub-indicators to estimate direct economic loss in the housing sector attributed to disasters. Question might have been responded to under B-3 as a proxy for number of people whose dwellings were damaged attributed to disasters.



Do you collect number of dwellings that were damaged attributed to disasters disaggregated by event?

Yes

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Do you collect number of dwellings that were damaged attributed to disasters associated with a hazard type?

Yes

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Do you collect number of dwellings that were damaged attributed to disasters disaggregated by location?

Yes

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Do you collect number of dwellings that were damaged attributed to disasters at all scales?

Yes

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Does the collected data cover the entire period 2005 – 2015?

Yes

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Indicator C-4: Direct economic loss in the housing sector attributed to disasters.

Data would be disaggregated according to damaged and destroyed dwellings.

Note: UNISDR can use the following sub-indicators to estimate direct economic loss in the housing sector attributed to disasters. Question might have been responded to under B-4 as a proxy for number of people whose dwellings were destroyed attributed to disasters.

Do you collect number of dwellings that were destroyed attributed to disasters disaggregated by event?

Yes

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Do you collect number of dwellings that were destroyed attributed to disasters associated with a hazard type?

Yes

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Do you collect number of dwellings that were destroyed attributed to disasters disaggregated by location?

Yes

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Do you collect number of dwellings that were destroyed attributed to disasters at all scales?

Yes

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Does the collected data cover the entire period 2005 – 2015?

Yes

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Indicator C-4: Direct economic loss in the housing sector attributed to disasters.

Data would be disaggregated according to damaged and destroyed dwellings.

Note: UNISDR can use the following sub-indicators to estimate direct economic loss in the housing sector attributed to disasters

When do you plan to start collecting data on statistical data source provide

(average value per square meter of construction, average size of dwelling, average value of dwelling)?

year 2017

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What resources do you need to collect data on statistical data source provide (average value per square meter of construction, average size of dwelling, average value of dwelling)?

Capacity

Financial

Technology transfer

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Indicator C-5: Direct economic loss resulting from damaged or destroyed critical infrastructure attributed to disasters.

The decision regarding those elements of critical infrastructure to be included in the calculation will be left to the Member States and described in the accompanying metadata. Protective infrastructure and green infrastructure should be included where relevant.

Note: UNISDR can use the following sub-indicators to estimate a proxy for direct economic loss resulting from damaged or destroyed critical infrastructure attributed to disasters.

Do you collect data on direct economic loss resulting from damaged or destroyed critical infrastructure attributed to disasters?

Yes

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Indicator C-5: Direct economic loss resulting from damaged or destroyed critical infrastructure attributed to disasters.

The decision regarding those elements of critical infrastructure to be included in the calculation will be left to the Member States and described in the accompanying metadata. Protective infrastructure and green infrastructure should be included where relevant.

Note: UNISDR can use the following sub-indicators to estimate a proxy for direct economic loss resulting from damaged or destroyed critical infrastructure attributed to disasters.

Do you collect the number of other destroyed or damaged critical infrastructure units and facilities attributed to disasters?

Yes

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Indicator C-5: Direct economic loss resulting from damaged or destroyed critical infrastructure attributed to disasters.

The decision regarding those elements of critical infrastructure to be included in the calculation will be left to the Member States and described in the accompanying metadata. Protective infrastructure and green infrastructure should be included where relevant.

Note: UNISDR can use the following sub-indicators to estimate a proxy for direct economic loss resulting from damaged or destroyed critical infrastructure attributed to disasters.

Does your official statistical data source provide (average value per square meter of construction for schools, hospitals, average size of critical infrastructures (square meters) average value per kilometer of road construction)?

No

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Indicator C-5: Direct economic loss resulting from damaged or destroyed critical infrastructure attributed to disasters.

The decision regarding those elements of critical infrastructure to be included in the calculation will be left to the Member States and described in the accompanying metadata. Protective infrastructure and green infrastructure should be included where relevant.

Note: UNISDR can use the following sub-indicators to estimate a proxy for direct economic loss resulting from damaged or destroyed critical infrastructure attributed to

disasters.

Do you collect direct economic loss resulting from damaged or destroyed critical infrastructure attributed to disasters disaggregated by event?

No

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Do you collect direct economic loss resulting from damaged or destroyed critical infrastructure attributed to disasters associated with a hazard type?

No

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Do you collect direct economic loss resulting from damaged or destroyed critical infrastructure attributed to disasters disaggregated by location?

No

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Do you collect direct economic loss resulting from damaged or destroyed critical infrastructure attributed to disasters at all scales?

No

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Does the collected data cover the entire period 2005 – 2015?

No

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Indicator C-5: Direct economic loss resulting from damaged or destroyed critical infrastructure attributed to disasters.

The decision regarding those elements of critical infrastructure to be included in the calculation will be left to the Member States and described in the accompanying metadata. Protective infrastructure and green infrastructure should be included where relevant.

Note: UNISDR can use the following sub-indicators to estimate a proxy for direct economic loss resulting from damaged or destroyed critical infrastructure attributed to disasters.

Do you collect number of educational facilities destroyed or damaged by disasters?

Yes

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Do you collect number of health facilities destroyed or damaged by disasters?

Yes

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Do you collect number of kilometres of roads destroyed or damaged by disasters?

No

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Other what?

Municipalities does collect data on number of houses damaged in urban centres and the damage is expressed according to valuation roll property and land values

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Do you collect number of other destroyed or damaged critical infrastructure units and facilities attributed to disasters disaggregated by event?

No

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Do you collect number of other destroyed or damaged critical infrastructure units and facilities attributed to disasters associated with a hazard type?

Yes

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Do you collect number of other destroyed or damaged critical infrastructure units and facilities attributed to disasters disaggregated by location?

Yes

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Do you collect number of other destroyed or damaged critical infrastructure units and facilities attributed to disasters at all scales?

Yes

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Does the collected data cover the entire period 2005 - 2015?

Yes

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Indicator C-5: Direct economic loss resulting from damaged or destroyed critical infrastructure attributed to disasters.

The decision regarding those elements of critical infrastructure to be included in the calculation will be left to the Member States and described in the accompanying metadata. Protective infrastructure and green infrastructure should be included where relevant.

Note: UNISDR can use the following sub-indicators to estimate a proxy for direct economic loss resulting from damaged or destroyed critical infrastructure attributed to disasters.

When do you plan to start collecting data on statistical data source provide (average value per square meter of construction for schools, hospitals, average size of critical infrastructures (square meters) average value per kilometer of road construction)?

year 2017

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What resources do you need to collect data on statistical data source provide (average value per square meter of construction for schools, hospitals, average size of critical infrastructures (square meters) average value per kilometer of road construction)?

Capacity

Financial

Technology transfer

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Indicator C-6: Direct economic loss to cultural heritage damaged or destroyed attributed to disasters.

Do you collect data on direct economic loss to cultural heritage damaged or destroyed attributed to disasters?

No

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Indicator C-6: Direct economic loss to cultural heritage damaged or destroyed attributed to disasters.

Note: UNISDR can use the following sub-indicators to estimate a proxy for direct economic loss to cultural heritage damaged or destroyed attributed to disasters.

Do you collect number of cultural heritage mobile and non-mobile assets damaged or destroyed by disasters?

No

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Indicator C-6: Direct economic loss to cultural heritage damaged or destroyed attributed to disasters.

Note: UNISDR can use the following sub-indicators to estimate a proxy for direct economic loss to cultural heritage damaged or destroyed attributed to disasters.



Do you collect the costs of reconstruction and/or rehabilitation of damaged and/or destroyed cultural heritage assets?

No

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Indicator C-6: Direct economic loss to cultural heritage damaged or destroyed attributed to disasters.

When do you plan to start collecting data on direct economic loss to cultural heritage damaged or destroyed attributed to disasters?

Year 2017

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What resources do you need to collect data on direct economic loss to cultural heritage damaged or destroyed attributed to disasters?

Capacity

Financial

Technology transfer

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Indicator C-6: Direct economic loss to cultural heritage damaged or destroyed attributed to disasters.

Note: UNISDR can use the following sub-indicators to estimate a proxy for direct economic loss to cultural heritage damaged or destroyed attributed to disasters.

When do you plan to start collecting data on number of cultural heritage mobile and non-mobile assets damaged or destroyed by disasters?

Year 2017

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What resources do you need to collect data on number of cultural heritage

mobile and non-mobile assets damaged or destroyed by disasters?

Capacity

Financial

Technology transfer

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Indicator C-6: Direct economic loss to cultural heritage damaged or destroyed attributed to disasters.

Note: UNISDR can use the following sub-indicators to estimate a proxy for direct economic loss to cultural heritage damaged or destroyed attributed to disasters.

When do you plan to start collecting data on costs of reconstruction and/or rehabilitation of damaged and/or destroyed cultural heritage assets?

Year 2017

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What resources do you need to collect data on costs of reconstruction and/or rehabilitation of damaged and/or destroyed cultural heritage assets?

Capacity

Financial

Technology transfer

## Global target D: Substantially reduce disaster damage to critical infrastructure

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Indicator D-2: Number of destroyed or damaged health facilities attributed to disasters.

Do you collect data on number of destroyed or damaged health facilities attributed to disasters?

Yes

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Indicator D-2: Number of destroyed or damaged health facilities attributed to disasters.

Note: Question may have been responded to under C-5 as proxy for damaged and destroyed critical infrastructure

Do you collect number of destroyed or damaged health facilities attributed to disasters disaggregated by event?

Yes

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Do you collect number of destroyed or damaged health facilities attributed to disasters associated with a hazard type?

Yes

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Do you collect number of destroyed or damaged health facilities attributed to disasters disaggregated by location?

Yes

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Do you collect number of destroyed or damaged health facilities attributed to disasters at all scales?

Yes

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Does the collected data cover the entire period 2005 - 2015?

Yes

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Indicator D-3: Number of destroyed or damaged educational facilities attributed to disasters.

Do you collect data on number of destroyed or damaged educational facilities attributed to disasters?

Yes

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Indicator D-3: Number of destroyed or damaged educational facilities attributed to disasters.

Note: Questions may have been responded to under C-5 as proxy for damaged and destroyed critical infrastructure.

Do you collect number of destroyed or damaged educational facilities attributed to disasters disaggregated by event?

Yes

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Do you collect number of destroyed or damaged educational facilities attributed to disasters associated with a hazard type?

Yes

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Do you collect number of destroyed or damaged educational facilities attributed to disasters disaggregated by location?

Yes

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Do you collect number of destroyed or damaged educational facilities attributed to disasters at all scales?

Yes

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Does the collected data cover the entire period 2005 - 2015?

Yes

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Indicator D-4: Number of other destroyed or damaged critical infrastructure units and facilities attributed to disasters.

The decision regarding those elements of critical infrastructure to be included in the calculation will be left to the Member States and described in the accompanying metadata. Protective infrastructure and green infrastructure should be included where relevant.

Do you collect the number of other destroyed or damaged critical infrastructure units and facilities attributed to disasters?

Yes

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Indicator D-4: Number of other destroyed or damaged critical infrastructure units and facilities attributed to disasters.

The decision regarding those elements of critical infrastructure to be included in the calculation will be left to the Member States and described in the accompanying metadata. Protective infrastructure and green infrastructure should be included where relevant.

Note: Questions may have been responded to under C-5 as proxy for damaged and destroyed critical infrastructure.

Do you collect number of kilometres of roads destroyed or damaged by disasters?

No

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Other what?

Bridges

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Do you collect number of other destroyed or damaged critical infrastructure units and facilities attributed to disasters disaggregated by event?

No

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Do you collect number of other destroyed or damaged critical infrastructure units and facilities attributed to disasters associated with a hazard type?

No

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Do you collect number of other destroyed or damaged critical infrastructure units and facilities attributed to disasters disaggregated by location?

No

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Do you collect number of other destroyed or damaged critical infrastructure units and facilities attributed to disasters at all scales?

No

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Does the collected data cover the entire period 2005 - 2015?

No

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Indicator D-6: Number of disruptions to educational services attributed to disasters.

Do you collect data on number of disruptions to educational services attributed to disasters?

Yes

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Indicator D-6: Number of disruptions to educational services attributed to disasters.

Do you collect number of disruptions to educational services attributed to disasters disaggregated by event?

Yes

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Do you collect number of disruptions to educational services attributed to disasters associated with a hazard type?

Yes

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Do you collect number of disruptions to educational services attributed to disasters disaggregated by location?

Yes

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Do you collect number of disruptions to educational services attributed to disasters at all scales?

Yes

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Does the collected data cover the entire period 2005 - 2015?

Yes

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Indicator D-7: Number of disruptions to health services attributed to disasters.

Do you collect data on number of disruptions to health services attributed to disasters?

Yes

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Indicator D-7: Number of disruptions to health services attributed to disasters.

Do you collect number of disruptions to health services attributed to disasters disaggregated by event?

Yes

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Do you collect number of disruptions to health services attributed to disasters associated with a hazard type?

Yes

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Do you collect number of disruptions to health services attributed to disasters disaggregated by location?

Yes

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Do you collect number of disruptions to health services attributed to disasters at all scales?



Yes

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Does the collected data cover the entire period 2005 - 2015?

Yes

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Indicator D-8: Number of disruptions to other basic services attributed to disasters.

The decision regarding those elements of basic services to be included in the calculation will be left to the Member States and described in the accompanying metadata.

Do you collect data on number of disruptions to other basic services attributed to disasters?

No

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Indicator D-8: Number of disruptions to other basic services attributed to disasters.

The decision regarding those elements of basic services to be included in the calculation will be left to the Member States and described in the accompanying metadata.

When do you plan to start collecting data on number of disruptions to other basic services attributed to disasters?

Year 2017

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What resources do you need to collect data on number of disruptions to other basic services attributed to disasters?

Capacity

Financial

Technology transfer

## Global target E: National and local DRR strategies by 2020

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Indicator E-1: Number of countries that adopt and implement national disaster risk reduction strategies in line with the Sendai Framework for Disaster Risk Reduction 2015-2030.

Do you have a national DRR strategy?

No

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Indicator E-1: Number of countries that adopt and implement national disaster risk reduction strategies in line with the Sendai Framework for Disaster Risk Reduction 2015-2030.

When do you plan to develop a national DRR strategy?

year 2017

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What resources do you need to develop a national DRR strategy?

Capacity

Financial

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Is there any other national strategy which incorporates DRR? Please specify.

National Development Strategy

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Indicator E-2: Percentage of local governments that adopt and implement local disaster risk reduction strategies in line with national strategies.

Information should be provided on the appropriate levels of government below the national level with responsibility for disaster risk reduction.

Which level of government do you consider as local? Please specify.

Chiefdom, Tinkhundla, Urban Local Authorities

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Indicator E-2: Percentage of local governments that adopt and implement local disaster risk reduction strategies in line with national strategies.

Information should be provided on the appropriate levels of government below the national level with responsibility for disaster risk reduction.

Do you have local DRR strategies led by local government?

No

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Indicator E-2: Percentage of local governments that adopt and implement local disaster risk reduction strategies in line with national strategies.

Information should be provided on the appropriate levels of government below the national level with responsibility for disaster risk reduction.

When do you plan to develop local DRR strategies?

Year 2017

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What resources do you need to develop local DRR strategies?

Capacity

Financial

Technology transfer

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Is there a local strategy which incorporates DRR? Please specify.

No

## Global target F: Substantially enhance international cooperation to developing countries

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Indicator F-1: Total official international support, (official development assistance (ODA) plus other official flows), for national disaster risk reduction actions.

Indicator F-2: Total official international support (ODA plus other official flows) for national disaster risk reduction actions provided by multilateral agencies.

Indicator F-3: Total official international support (ODA plus other official flows) for national disaster risk reduction actions provided bilaterally.

Reporting of the provision or receipt of international cooperation for disaster risk reduction shall be done in accordance with the modalities applied in respective countries. Recipient countries are encouraged to provide information on the estimated amount of national disaster risk reduction expenditure.

Do you collect data on total official ODA support for national DRR actions?

Yes

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Indicator F-1: Total official international support, (official development assistance (ODA) plus other official flows), for national disaster risk reduction actions.

Indicator F-2: Total official international support (ODA plus other official flows) for national disaster risk reduction actions provided by multilateral agencies.

Indicator F-3: Total official international support (ODA plus other official flows) for national disaster risk reduction actions provided bilaterally.

Reporting of the provision or receipt of international cooperation for disaster risk reduction shall be done in accordance with the modalities applied in respective countries. Recipient countries are encouraged to provide information on the estimated amount of national disaster risk reduction expenditure.

Do you collect data on total other official flows in support of national DRR actions?

Yes

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Indicator F-1: Total official international support, (official development assistance (ODA) plus other official flows), for national disaster risk reduction actions.

Indicator F-2: Total official international support (ODA plus other official flows) for national disaster risk reduction actions provided by multilateral agencies.

Indicator F-3: Total official international support (ODA plus other official flows) for national disaster risk reduction actions provided bilaterally.

Reporting of the provision or receipt of international cooperation for disaster risk reduction shall be done in accordance with the modalities applied in respective countries. Recipient countries are encouraged to provide information on the estimated amount of national disaster risk reduction expenditure.

Do you collect data on support from multilateral agencies?

Yes

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Do you collect data on support from bilateral sources?

Yes

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Do you collect data on support from other sources? Please specify.

Research Organisations

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Indicator F-1: Total official international support, (official development assistance (ODA) plus other official flows), for national disaster risk reduction actions.

Indicator F-2: Total official international support (ODA plus other official flows) for national disaster risk reduction actions provided by multilateral agencies.

Indicator F-3: Total official international support (ODA plus other official flows) for national disaster risk reduction actions provided bilaterally.

Reporting of the provision or receipt of international cooperation for disaster risk reduction shall be done in accordance with the modalities applied in respective countries.

Recipient countries are encouraged to provide information on the estimated amount of national disaster risk reduction expenditure.

Do you collect data on support from multilateral agencies?

Yes

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Do you collect data on support from bilateral sources?

Yes

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Do you collect data on support from other sources? Please specify.

Research Institutions

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Indicator F-4: Total official international support (ODA plus other official flows) for the transfer and exchange of disaster risk reduction-related technology.

Do you collect data on total official ODA support for the transfer and exchange of DRR related technology?

Yes

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Indicator F-4: Total official international support (ODA plus other official flows) for the transfer and exchange of disaster risk reduction-related technology.

Do you collect data on total other official flows in support for the transfer and exchange of DRR related technology?

No

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Indicator F-4: Total official international support (ODA plus other official flows) for the transfer and exchange of disaster risk reduction-related technology.

Does the collected data cover the entire period 2005 - 2015?

Yes

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Indicator F-4: Total official international support (ODA plus other official flows) for the transfer and exchange of disaster risk reduction-related technology.

When do you plan to start collecting data on total other official flows in support of transfer and exchange of DRR related technology?

Year 2017

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What resources do you need to collect data on total other official flows in support of transfer and exchange of DRR related technology?

Capacity

Financial

Technology transfer

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F-5: Number of international, regional and bilateral programmes and initiatives for the transfer and exchange of science, technology and innovation in disaster risk reduction for developing countries.

Do you collect data on number of programmes and initiatives for the transfer and exchange of science, technology and innovation in disaster risk reduction for developing countries?

No

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F-5: Number of international, regional and bilateral programmes and initiatives for the transfer and exchange of science, technology and innovation in disaster risk reduction for developing countries.

Does the collected data cover the entire period 2005 - 2015?

No

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The scope of disaster in this and subsequent targets is defined in paragraph 15 of the Sendai Framework for Disaster Risk Reduction 2015-2030 and applies to small-scale and large-scale, frequent and infrequent, sudden and slow-onset disasters caused by natural or man-made hazards, as well as related environmental, technological and biological hazards and risk.

F-5: Number of international, regional and bilateral programmes and initiatives for the transfer and exchange of science, technology and innovation in disaster risk reduction for developing countries.

When do you plan to start collecting data on number of programmes and initiatives for the transfer and exchange of science, technology and innovation in disaster risk reduction for developing countries?

Year 2018

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What resources do you need to collect data on number of programmes and initiatives for the transfer and exchange of science, technology and innovation in disaster risk reduction for developing countries?

Capacity

Financial

Technology transfer

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The scope of disaster in this and subsequent targets is defined in paragraph 15 of the Sendai Framework for Disaster Risk Reduction 2015-2030 and applies to small-scale and large-scale, frequent and infrequent, sudden and slow-onset disasters caused by natural or man-made hazards, as well as related environmental, technological and biological hazards and risk.



F-5: Number of international, regional and bilateral programmes and initiatives for the transfer and exchange of science, technology and innovation in disaster risk reduction for developing countries.

Are you planning to collect historic data on total official international support for the transfer and exchange of DRR related technology for the entire period?

Yes

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What resources do you need to collect data on data coverage 2005 - 2015?

Capacity

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Indicator F-6: Total official international support (ODA plus other official flows) for disaster risk reduction capacity-building.

Do you collect data on total official ODA support for disaster risk reduction capacity building?

No

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Indicator F-6: Total official international support (ODA plus other official flows) for disaster risk reduction capacity-building.

Do you collect data on total other official flows in support of disaster risk reduction capacity building?

No

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Indicator F-6: Total official international support (ODA plus other official flows) for disaster risk reduction capacity-building.

Does the collected data cover the entire period 2005 - 2015?

Yes

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Indicator F-6: Total official international support (ODA plus other official flows) for disaster risk reduction capacity-building.

When do you plan to start collecting data on total official ODA support for disaster risk reduction capacity building?

Year 2018

What resources do you need to collect data on total official ODA support for disaster risk reduction capacity building?

Financial

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Indicator F-6: Total official international support (ODA plus other official flows) for disaster risk reduction capacity-building.

When do you plan to start collecting data on total other official support in support of disaster risk reduction capacity building?

Year 2017

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What resources do you need to collect data on total other official flows in support of disaster risk reduction capacity building?

Capacity

Financial

Technology transfer

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Indicator F-7: Number of international, regional and bilateral programmes and initiatives for disaster risk reduction-related capacity-building in developing countries.

Do you collect data on number of programmes and initiatives for DRR related capacity building in developing countries?

Yes

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Indicator F-7: Number of international, regional and bilateral programmes and initiatives for disaster risk reduction-related capacity-building in developing countries.

Does the collected data cover the entire period 2005 - 2015?

Yes

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Indicator F-7: Number of international, regional and bilateral programmes and initiatives for disaster risk reduction-related capacity-building in developing countries.

Do you collect data on number of international programmes and initiatives?

Yes

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Do you collect data on number of regional programmes and initiatives?

Yes

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Do you collect data on number of bilateral programmes and initiatives?

No

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Indicator F-8: Number of developing countries supported by international, regional and bilateral initiatives to strengthen their disaster risk reduction-related statistical capacity.

Do you collect data on initiatives to strengthen your DRR related statistical capacity?

Yes

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Indicator F-8: Number of developing countries supported by international, regional and bilateral initiatives to strengthen their disaster risk reduction-related statistical capacity.

Does the collected data cover the entire period 2005 - 2015?

No

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Indicator F-8: Number of developing countries supported by international, regional and bilateral initiatives to strengthen their disaster risk reduction-related statistical capacity.

Do you collect data on number of international programmes and initiatives to strengthen your DRR related statistical capacity?

No

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Do you collect data on number of regional programmes and initiatives to strengthen your DRR related statistical capacity?

No

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Do you collect data on number of bilateral programmes and initiatives to strengthen your DRR related statistical capacity?

No

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Indicator F-8: Number of developing countries supported by international, regional and bilateral initiatives to strengthen their disaster risk reduction-related statistical capacity.

Are you planning to collect historic data on initiatives to strengthen your DRR related statistical capacity?

Yes

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What resources do you need to collect data on data coverage 2005 - 2015?

Capacity

Financial

Technology transfer

## Global target G: Availability of multi-hazard early warning systems and disaster risk information

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What are the major hazards affecting your country from the list? Choose all that apply.

Meteorological

Hydrological

Climatological

Biological

Environmental

Indicator G-2: Number of countries that have multi-hazard monitoring and forecasting systems.

Do you have a multi-hazard monitoring and forecasting systems?

Yes

Which major hazards from the list are considered in your multi-hazard monitoring and forecasting systems?

Meteorological

Hydrological

Climatological

Biological

Environmental

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Indicator G-2: Number of countries that have multi-hazard monitoring and forecasting systems.

Do your monitoring and forecasting systems cover all geographical areas affected by one or more of the major hazards?

Yes

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Indicator G-2: Number of countries that have multi-hazard monitoring and forecasting systems.

Do these monitoring and forecasting systems take into account the potential interrelated effects of multiple hazards?

No

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Indicator G-2: Number of countries that have multi-hazard monitoring and forecasting systems.

When do you plan to cover all geographical areas affected by one or more major hazards by multi-hazard monitoring and forecasting systems?

Year 2018

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What resources do you need to coverage of all geographical areas affected by one or more of the major hazards by multi-hazard monitoring and forecasting systems?

Capacity

Financial

Technology transfer

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Indicator G-3: Number of people per 100,000 that are covered by early warning information through local governments or through national dissemination mechanisms.

Do you collect data on the number of people who have access to early warning information through local governments?

No

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Indicator G-3: Number of people per 100,000 that are covered by early warning information through local governments or through national dissemination mechanisms.

Do you collect data on number of people who have access to early warning information through national dissemination mechanisms?

No

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Indicator G-3: Number of people per 100,000 that are covered by early warning information through local governments or through national dissemination mechanisms.

When do you plan to start collecting data on the number of people with access to early warning information through local governments?

Year 2017

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What resources do you need to collect data on number of people with access to early warning information through local governments?

Capacity

Financial

Technology transfer

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Indicator G-3: Number of people per 100,000 that are covered by early warning information through local governments or through national dissemination mechanisms.

When do you plan to start collecting data on number of people with access to



early warning information through national dissemination mechanisms?

Year 2018

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What resources do you need to collect data on number of people with access to early warning information through national dissemination mechanisms?

Capacity

Financial

Technology transfer

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Indicator G-3: Number of people per 100,000 that are covered by early warning information through local governments or through national dissemination mechanisms.

Do you collect data on national dissemination mechanisms for early warning?  
Please specify.

Year 2018

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Indicator G-3: Number of people per 100,000 that are covered by early warning information through local governments or through national dissemination mechanisms.

Are all people in areas prone to major hazards covered by early warning information?

No

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Indicator G-3: Number of people per 100,000 that are covered by early warning information through local governments or through national dissemination mechanisms.

When do you plan to cover all people in areas prone to major hazards by early warning information?

Year 2018

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What resources do you need to coverage of people in areas prone to major hazards by early warning information?

Capacity

Financial

Technology transfer

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Indicator G-4: Percentage of local governments having a plan to act on early warnings.

Do you collect data on percentage of local governments having a plan to act on early warnings?

Yes

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Indicator G-4: Percentage of local governments having a plan to act on early warnings.

Do local governments in your country have plans to act on early warnings?

Yes

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Indicator G-4: Percentage of local governments having a plan to act on early warnings.

Please specify which major hazards from the list are covered by the plans to act on early warning systems.

Geophysical

Meteorological

Hydrological

Climatological

Biological

Environmental

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Indicator G-4: Percentage of local governments having a plan to act on early warnings.

Do the plans to act on early warnings take into account the potential interrelated effects of multiple hazards?

Yes

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Indicator G-5: Number of countries that have accessible, understandable, usable and relevant disaster risk information and assessment available to the people at the national and local levels.

Do you have disaster risk information and assessment?

Yes

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Indicator G-5: Number of countries that have accessible, understandable, usable and relevant disaster risk information and assessment available to the people at the national and local levels.

Which major hazards from the list are considered in your risk information and assessment?

Geophysical

Meteorological

Hydrological

Climatological

Biological

Environmental

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Indicator G-5: Number of countries that have accessible, understandable, usable and relevant disaster risk information and assessment available to the people at the national and local levels.

Is risk information and assessment accessible, understandable and usable by the people?

No

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Indicator G-5: Number of countries that have accessible, understandable, usable and relevant disaster risk information and assessment available to the people at the national and local levels.

When do you plan to consider all major hazards in disaster risk information and assessment?

Year 2017

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What resources do you need to consider all major hazards in risk information and assessment?

Capacity

Financial

Technology transfer

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Indicator G-6: Percentage of population exposed to or at risk from disasters protected through pre-emptive evacuation following early warning.

Member States in a position to do so are encouraged to provide information on the number of evacuated people.

Do you collect data on percentage of population exposed or at risk from disasters protected through pre-emptive evacuation following early warning?

No

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Indicator G-6: Percentage of population exposed to or at risk from disasters protected through pre-emptive evacuation following early warning.

Member States in a position to do so are encouraged to provide information on the number of evacuated people.

Note: UNISDR can use the following sub-indicator to estimate percentage of population exposed or at risk from disasters protected through pre-emptive evacuation following early warning.

Do you collect number of people evacuated attributed to disasters?

Yes

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Indicator G-6: Percentage of population exposed to or at risk from disasters protected through pre-emptive evacuation following early warning.

Member States in a position to do so are encouraged to provide information on the number of evacuated people.

When do you plan to start collecting data on percentage of population exposed to or at risk from disasters protected through pre-emptive evacuation following early warning?

Year 2017

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What resources do you need to collect data on percentage of population exposed to or at risk from disasters protected through pre-emptive evacuation following early warning?

Capacity

Financial

Technology transfer

