

The background features the United Nations logo on the left, which includes a world map within a grid and is surrounded by olive branches. On the right, there is an abstract geometric design consisting of several dotted lines radiating from a central point, set against a blue background with a diagonal split into orange and green sections.

Concept note on Methodology to Estimate Progress of National and Local DRR Strategy to Measure the Achievement of Target E of the Sendai Framework for Disaster Risk Reduction

Second session of the

**Open-ended Intergovernmental Expert Working
Group on Terminology and Indicators**

Monitoring Global Target (e)

1st Session OEIWG called for:

- Minimum standard of DRR strategy;
- Computation method.

Indicators seek to *estimate* the level of progress, and thus the *increase or not*, of the number of countries with national and local disaster risk reduction strategies by 2020.

Monitoring Global Target (e)

Number of **countries** that adopt and implement national DRR strategies in line with the Sendai Framework for Disaster Risk Reduction 2015-2030

Proposed methodology - 2 options:

Option 1: Simply count the **number of countries** which reported on the adoption and implementation of the national DRR strategy.

Option 2: Create an **National DRR Strategy Index** to reflect progress.

E1



Monitoring global target (e) Indicator **E1 – Option 2**

Create a **National DRR Strategy Index** to reflect progress.

The Progress Index checks the degree to which the national DRR strategy satisfies **5 elements** defined in the Sendai Framework paragraph **27 (b)**, setting:

- **time frames and targets** (Progress Index₁)
- **indicators** (Progress Index₂.... etc.)
- objectives / measures aiming at **preventing the creation of risk**
- objectives / measures aiming at the **reduction of existing risk**
- objectives / measures aiming at **the strengthening of economic, social, health and environmental resilience**



Monitoring global target (e)
Indicator E1 – Option 2

National DRR Strategy Index - to reflect progress.

National DRR Strategy Index =

Progress index₁ + Progress Index₂ +.....+ Progress
Index₅

Global average = (Country index₁ + Country Index₂+.....+
Country Index_n) / number of countries reporting

Where n = number of countries reporting the progress on national
DRR strategy



Monitoring global target (e) Indicator **E2**

Percentage of **local governments** that adopt and implement local DRR strategies in line with the Sendai Framework for Disaster Risk Reduction 2015-2030

Proposed methodology - 2 options:

Option1: Percentage of local government **adopting and implementing** local DRR strategy

Option2: Create **Local DRR Progress Index** to reflect the national progress in local DRR Strategy quality

Option3: Create **Local DRR Population Share Index** to reflect the population coverage of local DRR Strategies

Option4: Create **Local DRR Progress Population Index** to reflect the quality improvement and population coverage of local DRR Strategies

E2

LOCAL GOVERNMENT: Form of public administration at the lowest tier of administration within a given state.....



Monitoring global target (e)

Indicator **E2 – Option 1**

Percentage of local governments that **adopt and implement** local DRR strategies

National average = Number of local governments adopting and implementing local DRR strategy (LG)
/ total number of local governments in a country

Global average = (average of country₁ + average of country₂ + ... + average of country_n) / Number of countries reported

Where n = number of countries reported



Monitoring global target (e) Indicator **E2 – Option 2**

Local DRR **Progress Index** to reflect local progress (*satisfying the 5 elements*).

Local DRR Progress Index in a country =

$$\text{Progress Index}_1 + \text{Progress Index}_2 + \dots + \text{Progress Index}_L \\ / \text{Total number of local governments in a country}$$

Where L = number of local governments reported

Global Average = (Local DRR Progress Index₁ + Local DRR Progress Index₂ + ... + Local DRR Progress Index_n) / Number of countries reported

Where n = number of countries reported

Monitoring global target (e)

Indicator **E2 – Option 3**

Local DRR **Population Share Index** - to reflect the population coverage of local DRR Strategies at national level (**E2 - Option 1 with population coverage**)

Population Share Index: the local government's pop. share (%) in national pop.

Local DRR Population Share Index in a country =

$$\frac{(\text{Local government (LG)}_1 * \text{Population Share Index}_1) + (\text{LG}_2 * \text{Population Share Index}_2) + \dots + (\text{LG}_L * \text{Population Share Index}_n)}{\text{Total number of local government in a country}}$$

Where L = number of local governments reported

Global average = $\frac{(\text{Local DRR Population Share Index}_1 + \text{Local DRR Pop. Share Index}_2 + \dots + \text{Local DRR Pop. Share Index}_n)}{\text{Number of countries reported}}$

Where n = number of countries reported

Monitoring global target (e)

Indicator **E2 – Option 4**

Local DRR Progress Population Index - to reflect progress in quality and population coverage.

Option 4 is the combination of Options 2 and 3

Local DRR Progress Population Index in a country =
$$\frac{(\text{Local government (LG)}_1 * \text{Progress Pop. Index}_1) + (\text{LG}_2 * \text{Progress Pop. Index}_2) + \dots + (\text{LG}_L * \text{Progress Population Index}_L)}{\text{Total number of local governments in a country}}$$

Where L = number of local governments reported

Global average =
$$\frac{(\text{Local DRR Progress Population Index}_1 + \text{Local DRR Progress Pop. Index}_2 + \dots + \text{Local DRR Progress Pop. Index}_n)}{\text{Number of countries reported}}$$

Where n = number of countries reported



Monitoring Global Target (e)
