

Approach for Measuring Ten Essentials of Creating Resilient Cities

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The context: DRR

- ❖ Last 10 years: a rising trend in natural and man-made disasters
- ❖ EU Civil Protection legislation advocates sharing best practice and helping each other to identify where additional effort is needed to reduce risks
- ❖ Sendai Framework for Disaster Risk Reduction (DRR) 2015-2030 includes a global target to “substantially increase the number of countries with national and local DRR strategies by 2020”



The Sendai Framework

The Four Priorities for Action

- ❖ Priority 1. Understanding disaster risk
- ❖ Priority 2. Strengthening disaster risk governance to manage disaster risk
- ❖ Priority 3. Investing in disaster risk reduction for resilience
- ❖ Priority 4. Enhancing disaster preparedness for effective response and to “Build Back Better” in recovery, rehabilitation and reconstruction



Making Cities Resilient Campaign (MCR)

- ❖ The Ten Essentials map directly against the Sendai priorities for action and its indicators for monitoring actions on disaster risk reduction.
- ❖ The Ten Essentials are the critical and independent steps that need to be undertaken to build and maintain resilience whilst pointing out strategic areas of intervention and identifying key actions to improve DRR.





Uscore – Ten Essentials

- ❖ Essential One: Organise for Disaster Resilience
- ❖ Essential Two: Identify, Understand and Use Current and Future Risk Scenarios
- ❖ Essential Three: Strengthen Financial Capacity for Resilience
- ❖ Essential Four: Pursue Resilient Urban Development and Design
- ❖ Essential Five: Safeguard Natural Buffers to Enhance Ecosystems' Protective Functions
- ❖ Essential Six: Strengthen Institutional Capacity for Resilience
- ❖ Essential Seven: Understand and Strengthen Societal Capacity for Resilience
- ❖ Essential Eight: Increase Infrastructure Resilience
- ❖ Essential Nine: Ensure Effective Disaster Response
- ❖ Essential Ten: Expedite Recovery and Build Back Better



Uscore

Disaster Resilience Scorecard (DRS)

- ❖ Within the framework of the Making Cities Resilient Campaign, UNISDR has worked with partners to develop a tool (DRS) that not only measures cities' resilience more in-depth, but also integrates disaster risk reduction and climate change adaptation and provides cities with concrete action plans.
- ❖ The Uscore project supported five cities in testing the UNISDR DRS. The pilot cities became "master users" of the DRS and are able to share their experiences and expertise. Other cities that desire to assess their disaster resilience can build on the outcome of this project through city-to-city learning and exchanges.

DRS

DRS offers the potential for scoring at two levels:

- ❖ Level 1: Preliminary level, responding to key Sendai Framework targets and indicators, and with some critical sub-questions. This approach is suggested for use in a 1 to 2 day city multi-stakeholder workshop. In total there are 47 questions indicators, each with a 0 – 3 score;
- ❖ Level 2: Detailed assessment. This approach is a multi-stakeholder exercise that may take 1 – 4 months and can be a basis for a detailed city resilience action plan. The detailed assessment includes 117 indicator criteria, each with a score of 0 – 5.

Uscore benefits

- ❖ City to city learning and opportunities
- ❖ As a basis for insurers to assess the level of risk inherent in cities
- ❖ As the basis around which research and private organisations may create supporting software or services.
- ❖ Establishment of global leadership as a resilient city – both from the visible adoption of good practice in response to global issues, and from the contribution of the validated scorecard for the benefit of communities worldwide.



City to city local level peer review on Disaster Risk Reduction

Uscore2 : Peer reviews

- ❖ Self-assessment tools are available to cities but peer reviews are currently only available at a national level
- ❖ Peer review of cities' civil protection mechanisms will deliver independent assessments supporting efforts to build local and national resilience
- ❖ Conducting rigorous city to city peer reviews is a challenge for practitioners and policy-makers who want to learn from best practice as this has not yet been assembled into an easy to use tool

Uscore2: Specific project objectives

1. To design a practical city to city peer review tool for measuring city resilience and resilience action planning
2. To apply the peer review tool to 3 EU cities to support DRR in those cities as well as refine the tool to enable it to be more broadly applicable.
3. To develop and apply an impact evaluation methodology to evaluate the peer review tool and gauge its impact on enhancing city resilience
4. To disseminate the peer review tool and impact evaluation methodology to ensure wide take-up

Objectives for the city to city peer review tool

- a. To ensure that the peer review tool reflects a comprehensive, all-of-society approach to DRR
- b. To identify data, information and evidence that is useful when conducting a city to city peer review
- c. To aid the implementation of the Sendai Framework at local and therefore national/international levels through alignment to local indicators developed in accordance with the Sendai Framework
- d. To ensure the peer review tool is useable by cities at all levels of maturity in DRR planning



Uscore2 : Module 1 – Disaster Risk Governance

- ❖ This module invites a city to review its governance arrangements through use of available documentation, through demonstrating action taken and by facilitating stakeholder interviews.

Aims

- ❖ Establish and strengthen the local level institutional and coordination capacity
- ❖ Build alliances and networks
- ❖ Form a legislative framework and action mechanisms for resilience



Uscore2 : Module 1 – Disaster Risk Governance - Evidence

❖ Plan Making

- Does the city master plan (or relevant strategy / plan) include and implement disaster risk reduction approaches in line with the Sendai Framework?
- b) Alternatively, if a city has a stand-alone disaster risk reduction plan / policy / strategy in place in line with the national strategies this can also demonstrate compliance.

❖ Organisation, coordination and participation

- Is there a multi-agency / sectoral mechanism with appropriate authority and resources to address disaster risk reduction?

❖ Integration

- Is resilience properly integrated with other key city functions / portfolios?



Uscore2: Module 7a –Community Resilience

The development of community resilience is an essential part of the Disaster Risk Reduction (DRR) work that is undertaken in cities.

Effective community resilience programmes ensure that individuals and community groups are involved in the whole process of community engagement, from identifying key risks and vulnerabilities through identifying strategies to mitigate and reduce these risks, developing community response plans and education and training to raise awareness.



Community Resilience



Encouraging resilient networks



“The aim of the project has always been to change behaviour. It’s about communities working together – for communities”

Local Resident

Uscore2: Module 7a –Community Resilience – Evidence

- **Community or “grassroots” organisations, networks and training**
 - Are grassroots or community organisations participating in pre-event planning and post-event response for each neighbourhood in the city?
- **Social networks “Leave no one behind”**
 - Are there regular training programmes provided to the most vulnerable and at need populations in the city?
- **Integration**
 - How effective is the city at citizen engagement and communications in relation to

Uscore2: The Future

- ❖ Peer review tool and impact assessment methodology available to EU member states and through UNISDR Making Cities Resilient Campaign (No Cost for using the tool itself, Host team fund Peer Review team to conduct the peer review)
- ❖ Dedicated Uscore2 website
- ❖ ISO issued on standardised tool for city peer review



Thank you

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