Residential Workshop on Urban Resilience and Making Cities Resilient 2030 (MCR2030)

5 - 8 December 2022
Gandhinagar, India
Assessing resilience gaps and needs using Disaster Resilience Scorecard for Cities

Residential Workshop on Urban Resilience and Making Cities Resilient 2030

5-8 December 2022
Overall approach

Concept
Understand the 10 Essentials for Making Cities Resilient

Tools
Understand risks & use the Scorecard (Indicators) to assess the progress and status of resilience building

Analysis
Identify gaps that need to be addressed & prioritize actions to increase resilience

Strategy/Plan
Develop the DRR Strategy & Action Plan

Implementation
Implement the plan & reduce disaster risks

Paving ways towards disaster risk reduction and disaster resilience building at the local level – supporting MCR2030 Resilience Roadmap
The Disaster Resilience Scorecard for Cities (Scorecard)

A tool to support disaster risk reduction and resilience planning - to understand the cities’ status on resilience building (baseline snapshot), to identify priority areas and actions for DRR and to create dialogue and help to engage multi-stakeholders in the process

https://mcr2030.undrr.org/disaster-resilience-scorecard-cities

❖ A set of **assessments** that allow cities to assess their disaster resilience, structured around the 10 Essentials for Making Cities Resilient

❖ Developed by IBM, AECOM, and UNDRR with the support from the European Commission and USAID, and launched in May 2017 at the Global Platform for DRR in Cancun.

❖ Local government authorities should take the lead in the assessments. A multi-stakeholder dialogue and approach between key city stakeholders will be necessary to complete the Scorecard and is essential in pushing the cities towards higher resilience.
### Disaster Resilience Scorecard for Cities – Preliminary Assessment

<table>
<thead>
<tr>
<th></th>
<th>Preliminary Assessment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Launched</td>
<td>2017</td>
</tr>
<tr>
<td># of indicators (criteria)</td>
<td>47</td>
</tr>
<tr>
<td>Scoring</td>
<td>0-3</td>
</tr>
<tr>
<td>Methodology</td>
<td>Use in a one or 2-day city multi-stakeholder workshop</td>
</tr>
<tr>
<td>Use case</td>
<td>High-level assessment helping to open up multi-stakeholder dialogue on disaster resilience (recommend for all questions to be scored)</td>
</tr>
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</table>
The Ten Essentials for Making Cities Resilient – the Guiding Principles

1. ORGANISE FOR DISASTER RESILIENCE
2. IDENTIFY, UNDERSTAND AND USE CURRENT AND FUTURE RISK SCENARIOS
3. STRENGTHEN FINANCIAL CAPABILITY FOR RESILIENCE
4. PURSUE RESILIENT URBAN DEVELOPMENT AND DESIGN
5. SAFEGUARD NATURAL BUFFERS TO ENHANCE THE PROTECTIVE FUNCTIONS OFFERED BY NATURAL CAPITAL
6. STRENGTHEN INSTITUTIONAL CAPACITY FOR RESILIENCE
7. UNDERSTAND AND STRENGTHEN SOCIETAL CAPACITY FOR RESILIENCE
8. INCREASE INFRASTRUCTURE RESILIENCE
9. ENSURE EFFECTIVE DISASTER RESPONSE
10. EXPEDITE RECOVERY AND BUILD BACK BETTER

Learn more about the 10 Essentials at: https://mcr2030.undrr.org/ten-essentials-making-cities-resilient
Sample Indicator and Scoring

Essential 1. Plan making

Does the city master plan (or relevant strategy/plan) include and implement disaster risk reduction approaches in line with Sendai Framework?

3 - Fully integrated DRR plan, full Sendai Framework compliance and coverage across all the Ten Essentials.

2 - Stand-alone DRR plan complying with Sendai Framework and addressing all of the Ten Essentials.

1 - Plans offering partial compliance with Sendai Framework and covering some of the Ten Essentials.

0 - No plans.
Sample Indicator and Scoring

Essential 1: Organization, coordination and participation

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

3 – All lead agency teams are well established, properly resourced and with proper authority to act across all DRR stages.

2 – All lead agency teams are well established, properly resources and with authority to act, but there is inconsistency in resourcing across the key DRR stages.

1 – City teams have authority and convening power but do not have proper inter-agency support and/or are under resourced

0 – Lead agencies lack proper authority and are under resourced
Scorecard is designed to be used flexibly in the way best suits the need of the city. Cities can decide on their own ‘evidence’ to support the assessment. Document them in the ‘Provide means of verification (explanation and evidence).
The overall score for this assessment is 141 / 141

Please send the completed tool and PDF report to helpdesk@un.org

Disaster Resilience Scorecard for Cities - Preliminary Level Assessment Tool v 1.0
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Benefits

The benefits of completing the scorecard extend far beyond reporting – the conversations the process can generate may even be more important than the score.

If completed in a collaborative way, cities can:

- Establish a **baseline measurement** of their current level of disaster resilience
- Increase **awareness and understanding** of resilience challenges
- Enable **dialogue between key city stakeholders** who may otherwise not collaborate regularly
- Enable **discussion of priorities for investment and action**, based on a shared understanding of the current situation
- Enable the **development of a city resilience strategy / action plan**
- Ultimately **lead to actions** and implementable projects that will deliver increased resilience for the city over time.
Group Work: Applying the Scorecard
Group work

- Break out into 8 groups: 1 group per country

**Day 1 & 2**
- Apply preliminary scorecard (E1-E10) to country’s capital city using Excel template
- Convert identified gaps into objectives and actions for the DRR action plan (Word template, columns 1 & 2)

**Day 2 & 3**
- Develop DRR Action Plan (using Word template)
Using the Scorecard Excel Tool

Scorecard is designed to be used flexibly in the way best suits the need of the city. Cities can decide on their own ‘evidence’ to support the assessment. Document them in the ‘Provide means of verification (explanation and evidence)."
# Example: Template for DRR Action Plan

| Strategic Area/Goal 1: e.g. Strengthen disaster risk governance |
|---|---|---|---|---|
| # | OBJECTIVES | PLANNED ACTION(s) | INDICATORS (Specific, measurable, attainable, realistic) | TIMEFRAME (Timebound) | RESPONSIBILITY (+Support) AGENCIES (Assignable) | Budget |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

### Action Plan for Calendar Year ______ - ________

City/Local Government Name

Country

Focal Point Details

Name: Contact Info: Title of existing local disaster risk reduction strategy

Timeframe of existing strategy or plan

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Analyzing Scorecard Results
Analyzing Results – Overall Score

The overall score for this assessment is 141.

Maximum possible score (reflected in the grey area* in the web diagram)

*Each essential has different numbers of indicators, therefore the maximum possible scores for each essential will be different. For example, Essential 1 has 3 indicators. The maximum score for each indicator is 3. So, the maximum possible score for Essential 1 is 9. Similarly, as Essential 10 has 2 indicators, the maximum possible score for Essential 10 is 6.

Go to ‘Results’ Tab
Analyzing Results – Overall Score

Example 1:

The overall score for this assessment is 141. How is this city doing?

Actual score (reflected in the blue area in the web diagram)
Example 2:

The overall score for this assessment is 83 / 141

How is this city doing?
Analyzing Results – by essentials

**Essential 01: Organize for Resilience**

1. Are the City’s planning policies and strategies for urban risk management well established? PROGRESS
2. Is there a scale of expected risk to the city based on the expected impacts of the different hazards? PROGRESS
3. Are the organizations responsible for urban flood risk management properly structured? PROGRESS

**Essential 02: Identify, Understand and Use Current and Future Risk Scenarios**

1. Does the city have knowledge of the key risks that the city faces, and their likelihood of occurrence? PROGRESS
2. Is there a clear understanding of links between the city and national risk and other regional risk management strategies? PROGRESS
3. Are the risks of floods on the system and city scale held? PROGRESS
4. Are there regular evaluations carried out in order to keep the risk and vulnerability data well updated so that a group of stakeholders can be informed? PROGRESS
5. Is there a collective understanding of potential scenarios between different city and national action plans, thereby creating value to existing data? PROGRESS
6. Do the basin maps and data on risk costs/risks regularly updated? PROGRESS

**Essential 03: Strengthen Financial Capacity for Resilience**

1. The city has adopted a method of funding, and the “business model”, are well-established, and are understood to be used for urban flood risk management? PROGRESS
2. Does the objective of the city's financial management strategy include disaster risk reduction (DRR), adaptation, recovery, and insurance? PROGRESS
3. What solutions plans exist in the city, areas, or sectors specific to business and community? PROGRESS
4. What are the roles of different sectors and components of business and society to support resilience building? PROGRESS
## Example: Template for DRR Action Plan

<table>
<thead>
<tr>
<th>Action Plan for Calendar Year ____ - ____</th>
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<tbody>
<tr>
<td>City/Local Government Name</td>
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<tr>
<td>Country</td>
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<tr>
<td>Focal Point Details</td>
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<tr>
<td>Name: Contact Info:</td>
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<tr>
<td>Title of existing local disaster risk reduction strategy</td>
</tr>
<tr>
<td>Timeframe of existing strategy or plan</td>
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### Strategic Area/Goal 1: e.g. Strengthen disaster risk governance

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Scorecard wrap-up
Very Important note:

- Scorecard is **NOT for comparing cities**. It’s not a standardization/benchmarking.
- **It helps to capture what cities have done well** – recognizing progresses and at the same time point out additional areas for further improvement.
- **Resilience does not have an ending** as risk changes with the changing context of cities. A resilient city is a city that demonstrate **continuous learning and improvement**.
- **Scorecard can be applied** to groups of cities or even customized to use with companies or even at the national level.
Application process...

1. Determine objectives
2. Identify stakeholders
3. Carry out initial research
4. Set up workshop
5. Carry out workshop
6. Sign-off on outcomes
7. Start resilience program!

Add awareness raising / orientation workshop
Endorsement by Municipality council, etc.

Think of the end results – how do you want to use the scorecard results? Will the scorecard results be informing any plan/policy of the city? Should the process be aligned with the city development/DRR planning process?

--- Breakdown workshops as needed ---
ideas for application

- Running preliminary assessment to create entry points
- Running detailed assessment to deep dive into any topic of interests
- Using specific essentials to engage with specific sector
- Using the Scorecard addendum to engage cities with specific interests
- Etc.

It’s also fun to use with students in a training course!
Public Health System Resilience Addendum

"The Public Health Addendum to the Disaster Resilience Scorecard for Cities " strengthens and integrates coverage of the many aspects of public health that are relevant to disaster planning, mitigation, and response. These include, but are not limited to: sanitation, disease prevention, nutrition, care for those who are already sick or disabled as a disaster happens, those who are injured or become sick as a result of the disaster, mental health issues, health logistics, and so on.

It is designed to be used in parallel with the original Scorecard, perhaps by a separate sub-team of the main city resilience team. It will require inputs from public health professionals in the relevant disciplines to complete it".

It contains 23 indicators with 0-5 scoring options.

https://mcr2030.undrr.org/public-health-system-resilience-scorecard
Food System Resilience Addendum

"Disaster Resilience Scorecard for Cities: Food System Resilience – Addendum" is structured in sections around the same “Ten Essentials for Making Cities Resilient” as the Scorecard. The Ten Essentials provide a holistic coverage of the many issues that affect resilience in the “system-of-systems”, which make up a system. This includes food production, supplies, transport and services.

It contains 29 indicators with a score of 0-5, where 5 is best practice.

It can be used in a 1-day city multi-stakeholder workshop

https://mcr2030.undrr.org/food-system-resilience-scorecard
Cultural Heritage Addendum

This **Cultural Heritage Addendum** to the Disaster Resilience Scorecard for Cities aims to support the development of culture-based and people-centered disaster risk reduction and resilience strategies integrated with cultural heritage and development policies.

It has 44 questions scored from 0 to 3 that add to those included in the **original Scorecard**. Therefore they should be filled simultaneously.

[https://mcr2030.undrr.org/cultural-heritage-scorecard](https://mcr2030.undrr.org/cultural-heritage-scorecard)
Annex for Inclusion of Persons with Disability

This Annex includes specific criteria on considerations for the inclusion of persons with disabilities for each of the Ten Essentials for Making Cities Resilient that were designed to support the implementation of the Sendai Framework for Disaster Risk Reduction at the local level. Together with two crosscutting principles, meaningful participation and accessibility, the present Annex seeks to broaden the scope of the Scorecard process and support the formulation of local strategies and plans for enhancing more resilient and inclusive cities.

There are a total of 19 questions/indicators, each with a score of 0-3, where 3 is the maximum possible score.

It is recommended to for use in a half to full day multi-stakeholder workshop.

https://mcr2030.undrr.org/disability-inclusion-scorecard

Coming soon in December 2022
Key Resources

- **Disaster Risk Reduction Terminology**: [http://www.preventionweb.net/english/professional/terminology/](http://www.preventionweb.net/english/professional/terminology/)
- **Making Cities Resilient 2030 Website**: [https://mcr2030.undrr.org](https://mcr2030.undrr.org)
- **Disaster Resilience Scorecard for Cities**: [https://mcr2030.undrr.org/disaster-resilience-scorecard-cities](https://mcr2030.undrr.org/disaster-resilience-scorecard-cities)
- **Reflections and experience sharing from cities on the use of Scorecard**: [https://www.unisdr.org/campaign/resilientcities/home/article/reflections-and-experience-sharing-from-cities](https://www.unisdr.org/campaign/resilientcities/home/article/reflections-and-experience-sharing-from-cities)
Thank You

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