

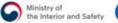


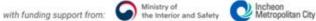
Residential Workshop on Urban Resilience and **Making Cities Resilient** 2030 (MCR2030)

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



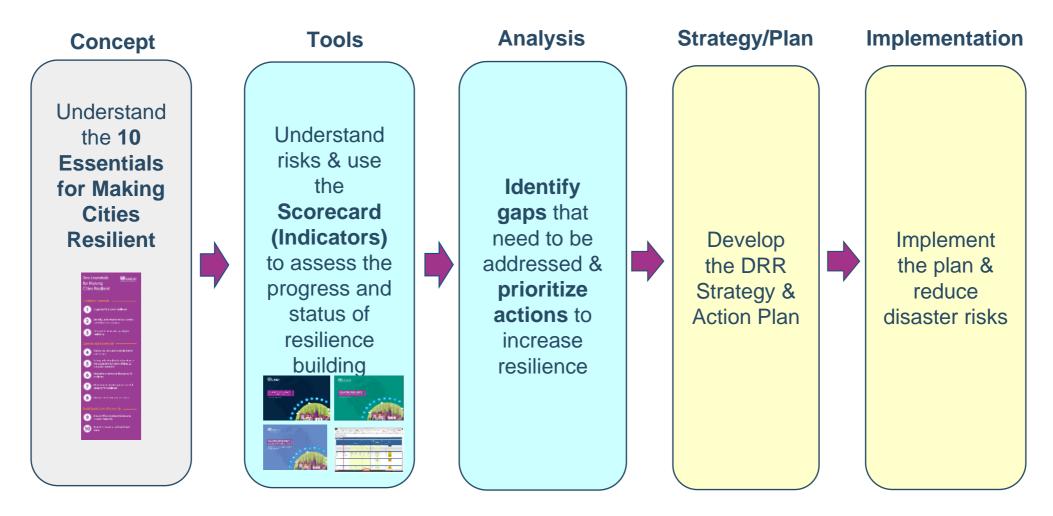






Overall approach





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





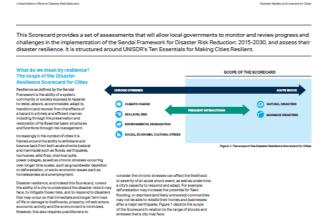
	Preliminary Assessment		
Launched	2017		
# of indicators (criteria)	47		
Scoring	0-3		
Methodology	Use in a one or 2-day city multi-stakeholder workshop		
Use case	High-level assessment helping to open up multi-stakeholder dialogue on disaster resilience (recommend for all questions to be scored)		
More information	https://mcr2030.undrr.org/disaster-resilience-scorecard-cities		



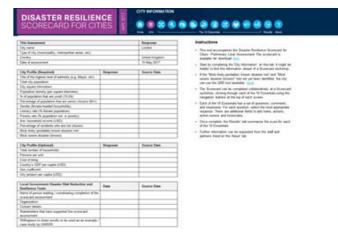
PDF Version

Excel Tool



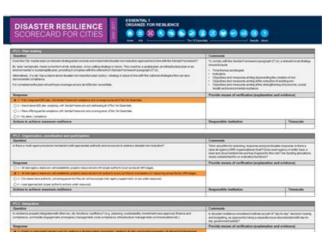


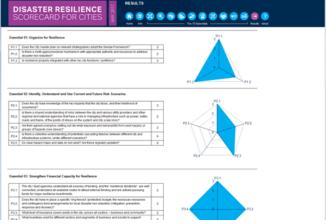












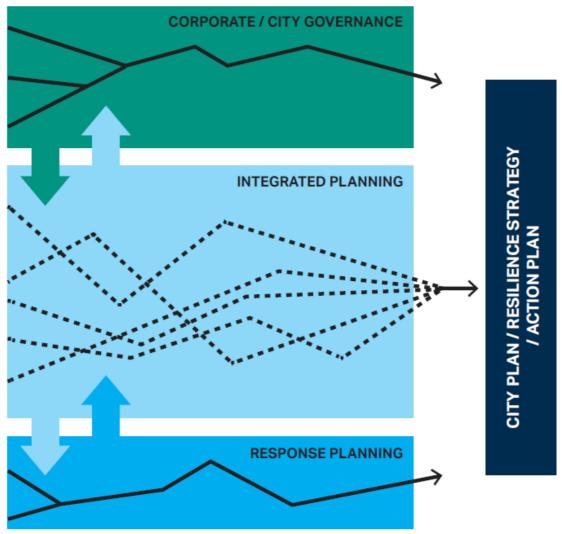
Printable with detailed explanation and references.

Interactive showing analysis results



The Ten Essentials for Making Cities Resilient – the Guiding Principles





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

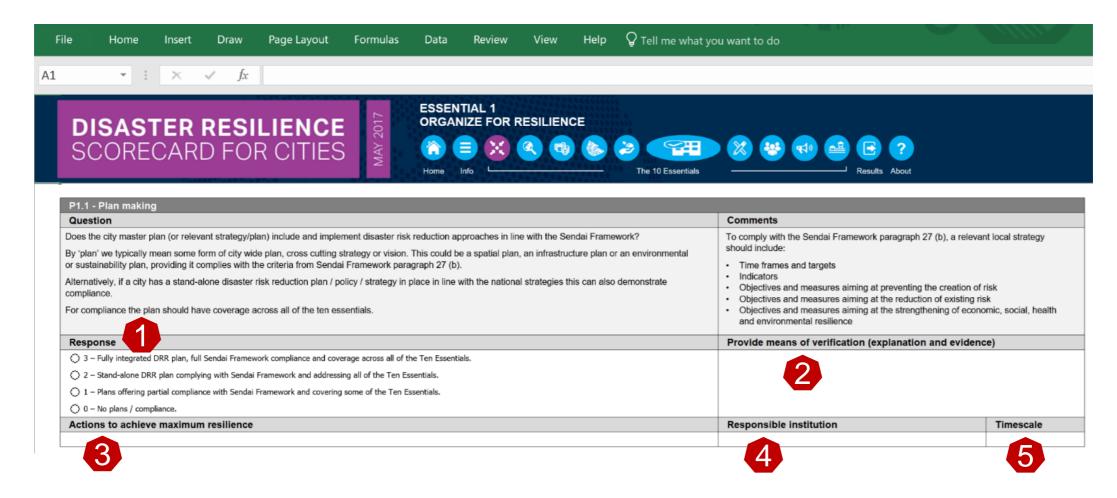
Is there a multi-agency/sectoral mechanism with appropriate authority and resources to address disaster risk reduction?

- **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





Using the Scorecard Excel Tool

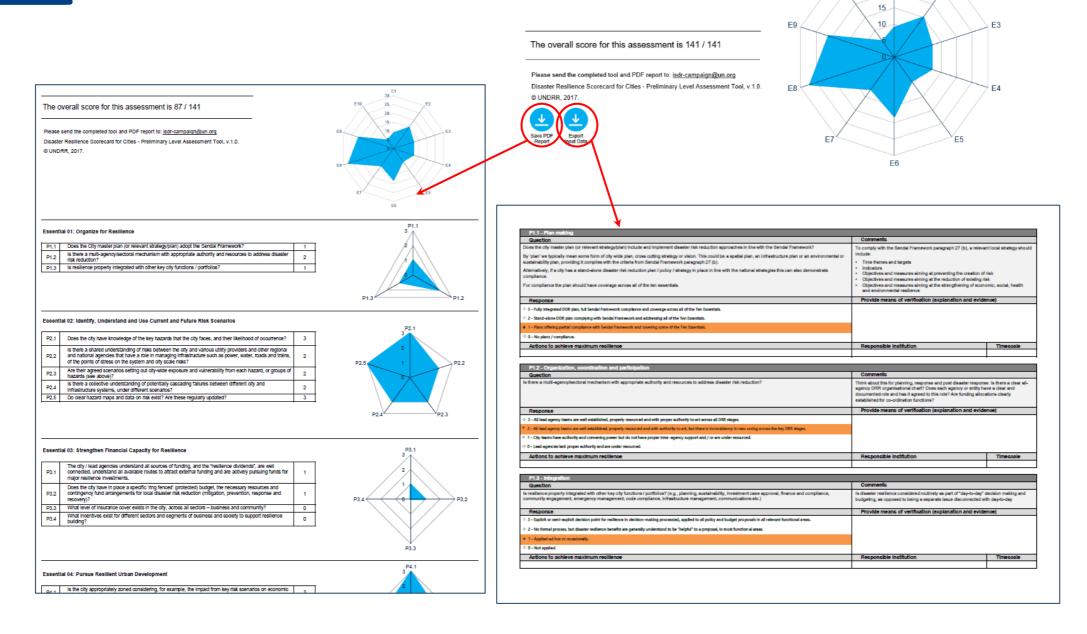


Scorecard is designed to be used flexibly in the way best suits the need of the city. Cities can decide on their own 'evidence' to support the assessment. Document them in the 'Provide means of verification (explanation and evidence).

Reports



25 20





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.

Fostering growth mind-set!

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





Break out into 8 groups: 1 group per country

Day 1 & 2

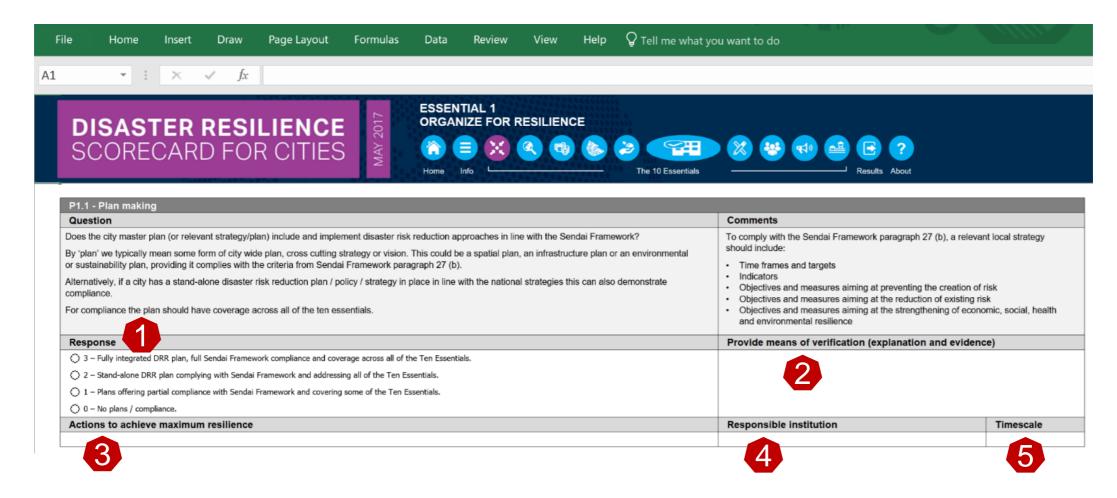
- Apply preliminary scorecard (E1-E10) to country's capital city using Excel template
- Convert identified gaps into objectives and actions for the DRR action plan (Word template, columns 1 & 2)

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

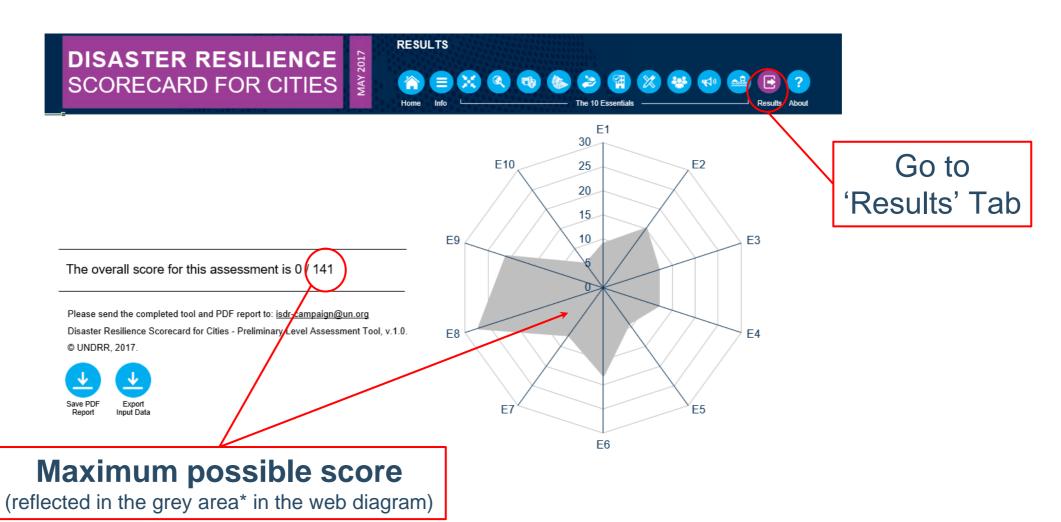
Action Plan for Calendar Year		
City/Local Government Name		
Country		
Focal Point Details	Name:	
1 dour 1 diffe Details	Contact Info:	
Title of existing local disaster risk reduction strategy		
Timeframe of existing strategy or plan		

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

Analyzing Scorecard Results



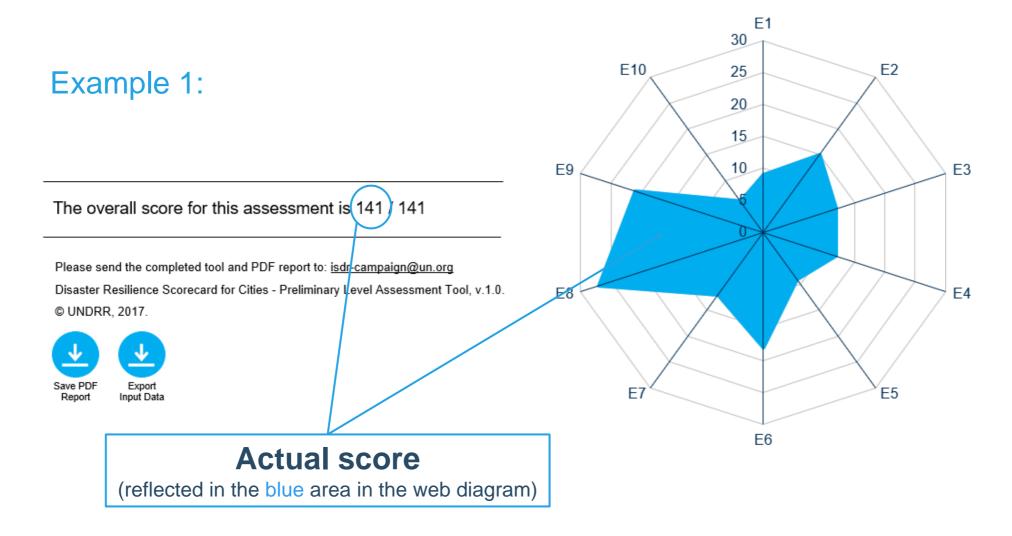
Analyzing Results – Overall Score



*Each essentials 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.



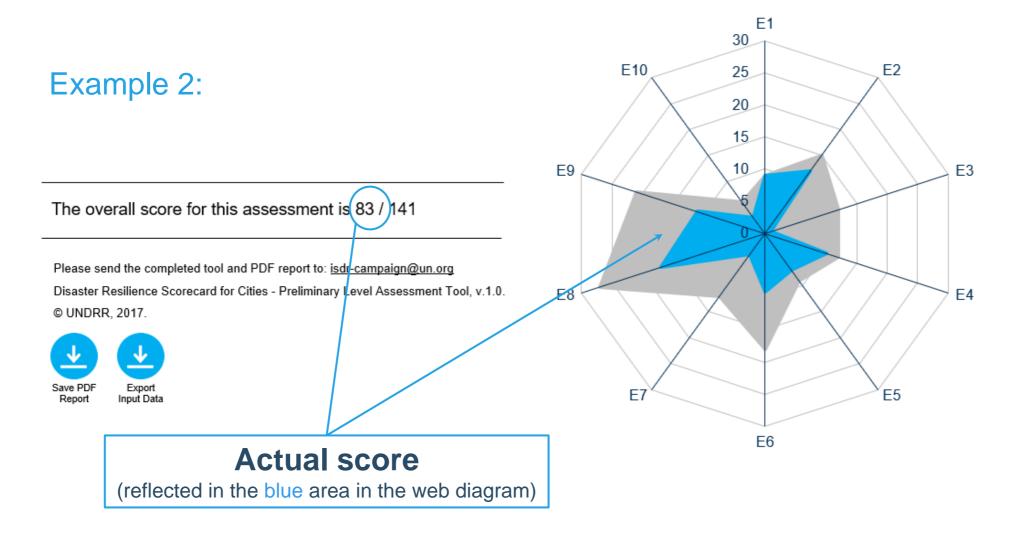
Analyzing Results – Overall Score



How is this city doing?



Analyzing Results – Overall Score



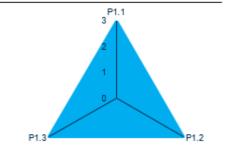
How is this city doing?



Analyzing Results – by essentials

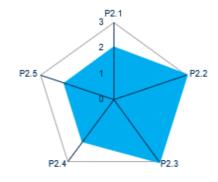
Essential 01: Organize for Resilience

P1.1	Does the City master plan (or relevant strategy/plan) adopt the Sendai Framework?	3
P1.2	Is there a multi-agency/sectoral mechanism with appropriate authority and resources to address disaster risk reduction?	3
P1.3	Is resilience properly integrated with other key city functions / portfolios?	3



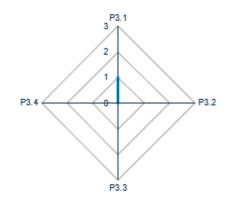
Essential 02: Identify, Understand and Use Current and Future Risk Scenarios

P2.1	Does the city have knowledge of the key hazards that the city faces, and their likelihood of occurrence?	2
P2.2	Is there a shared understanding of risks between the city and various utility providers and other regional and national agencies that have a role in managing infrastructure such as power, water, roads and trains, of the points of stress on the system and city scale risks?	3
P2.3	Are their agreed scenarios setting out city-wide exposure and vulnerability from each hazard, or groups of hazards (see above)?	3
P2.4	Is there a collective understanding of potentially cascading failures between different city and infrastructure systems, under different scenarios?	2
P2.5	Do clear hazard maps and data on risk exist? Are these regularly updated?	2



Essential 03: Strengthen Financial Capacity for Resilience

P3.1	The city / lead agencies understand all sources of funding, and the "resilience dividends", are well connected, understand all available routes to attract external funding and are actively pursuing funds for major resilience investments.		
P3.2	Does the city have in place a specific 'ring fenced' (protected) budget, the necessary resources and contingency fund arrangements for local disaster risk reduction (mitigation, prevention, response and recovery)?		
P3.3	What level of insurance cover exists in the city, across all sectors – business and community?	0	
P3.4	What incentives exist for different sectors and segments of business and society to support resilience building?	0	





Example: Template for DRR Action Plan

Action Plan for Calendar Year			
City/Local Government Name			
Country			
Focal Point Details	Name:		
1 ocal i ollit Details	Contact Info:		
Title of existing local disaster risk reduction strategy			
Timeframe of existing strategy or plan			

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

Scorecard wrap-up

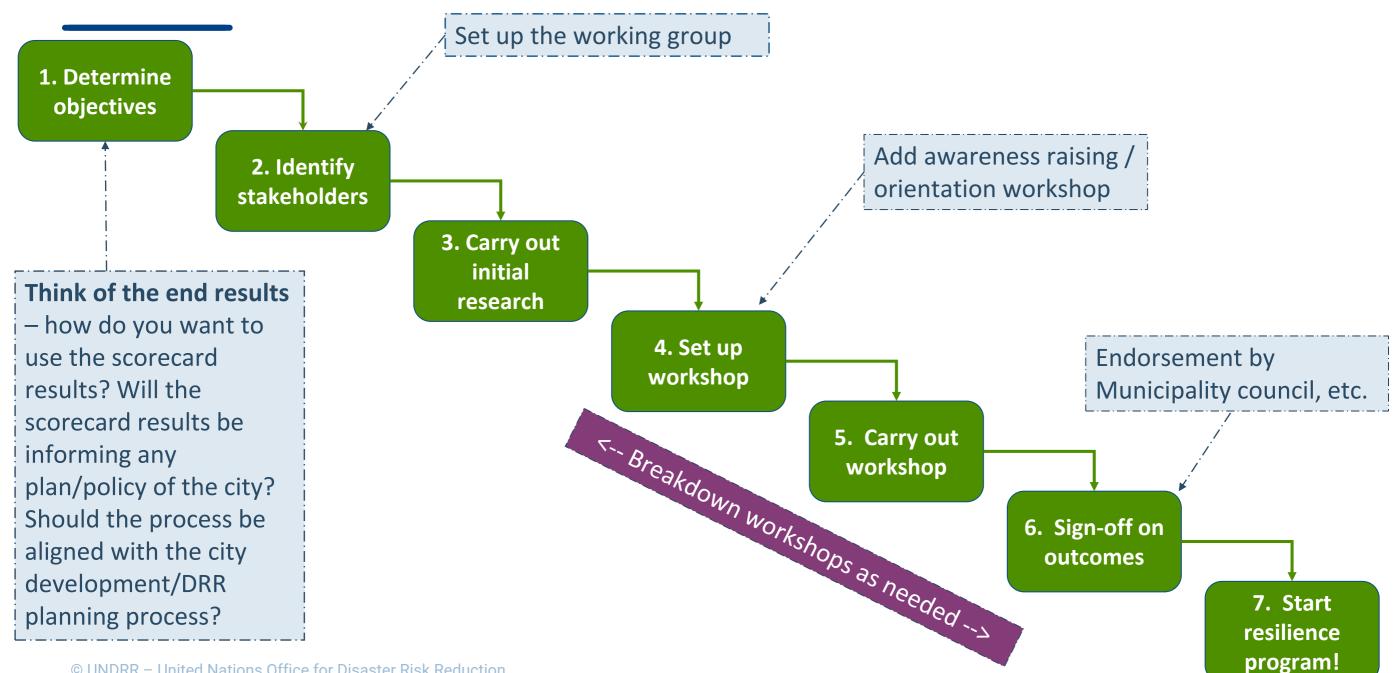
MCR 2030 Making Cities Resilient

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...



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 <u>Cultural Heritage Addendum</u> 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 <u>original Scorecard</u>. Therefore they should be filled simultaneously.

https://mcr2030.undrr.org/cultural-heritagescorecard



Annex for Inclusion of Persons with Disability



Coming soon in December 2022

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

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Key Resources

- Disaster Risk Reduction Terminology: http://www.preventionweb.net/english/professional/terminology/
- Sendai Framework for Disaster Risk Reduction 2015-2030, UN: http://www.preventionweb.net/drr-framework/sendai-framework
- Making Cities Resilient 2030 Website: https://mcr2030.undrr.org
- A Handbook For Local Government Leaders [2017 Edition]: https://www.preventionweb.net/publication/how-make-cities-more-resilient-handbook-local-government-leaders-0
- 10 Essentials for Making Cities Resilient: https://mcr2030.undrr.org/ten-essentials-making-cities-resilient
- Health Emergency and Disaster Risk Management Framework, WHO: https://www.who.int/hac/techguidance/preparedness/health-emergency-and-disaster-risk-management-framework-eng.pdf?ua=1
- Disaster Resilience Scorecard for Cities:
 https://mcr2030.undrr.org/disaster-resilience-scorecard-cities
- Disaster Resilience Scorecard for Cities Public Health System Resilience Addendum: https://mcr2030.undrr.org/public-health-system-resilience-scorecard
- 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





Thank You

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