



Exceptional thinking together
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Resilience in practice

- Guidance – LGNZ, BOPRC
- Frameworks for cities – eg Tasman 10 Essentials
- Research: Deep South, NZTA
- PML work (Aon)
- Risk / resilience / criticality assessments
 - TCC, Tasman
 - NZTA
 - Auck Transport
 - Power networks
 - QLDC – risk and outage
- Climate change risk:
 - NCCRA
 - Regional risk assessments
 - Utility risk assessments

RESILIENCE WORKSHOP

BASED ON THE 10 ESSENTIALS OF RESILIENCE

September 2018



Introduction



1400+ Participating Cities in over 90 countries seeking and committed to building resilience



35 Role Model Cities willing to share knowledge with others

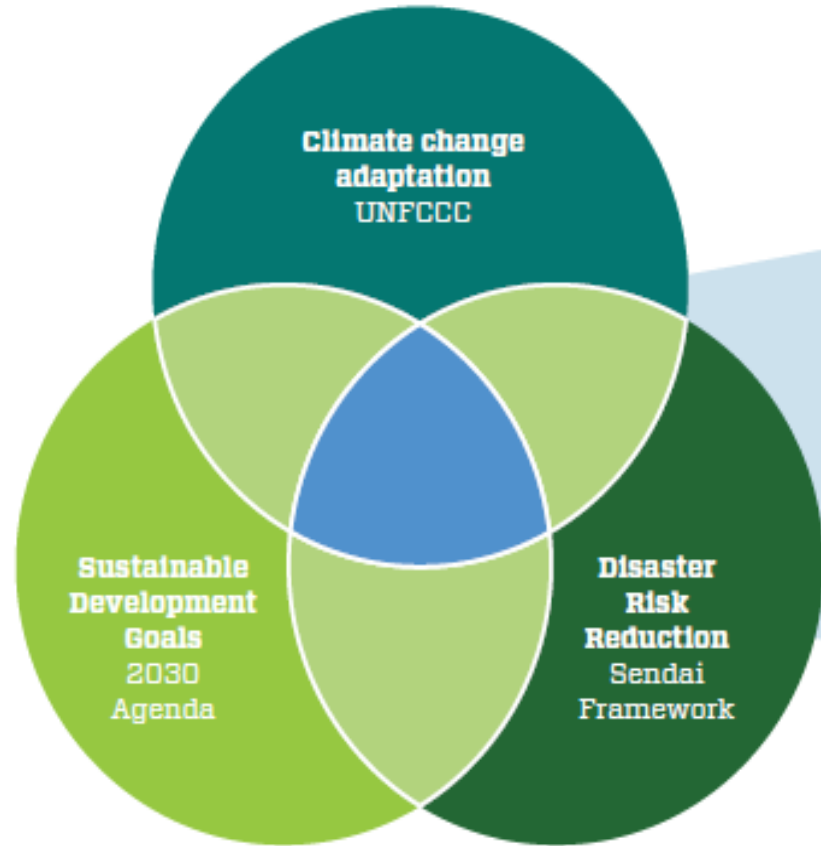


11 Champions (Mayors and Governors committed to convince and mentor others



40-plus Partners and Advocates supporting cities resilience actions

Introduction



A grid of 17 Sustainable Development Goals (SDGs) icons. The icons are arranged in three rows: the first row contains goals 1-6, the second row contains goals 7-12, and the third row contains goal 17 and the "THE GLOBAL GOALS For Sustainable Development" logo. The goals shown are: 1 NO POVERTY, 2 NO HUNGER, 3 GOOD HEALTH, 4 QUALITY EDUCATION, 5 GENDER EQUALITY, 6 CLEAN WATER AND SANITATION, 11 SUSTAINABLE CITIES AND COMMUNITIES, 12 RESPONSIBLE CONSUMPTION, and 17 PARTNERSHIPS FOR THE GOALS.

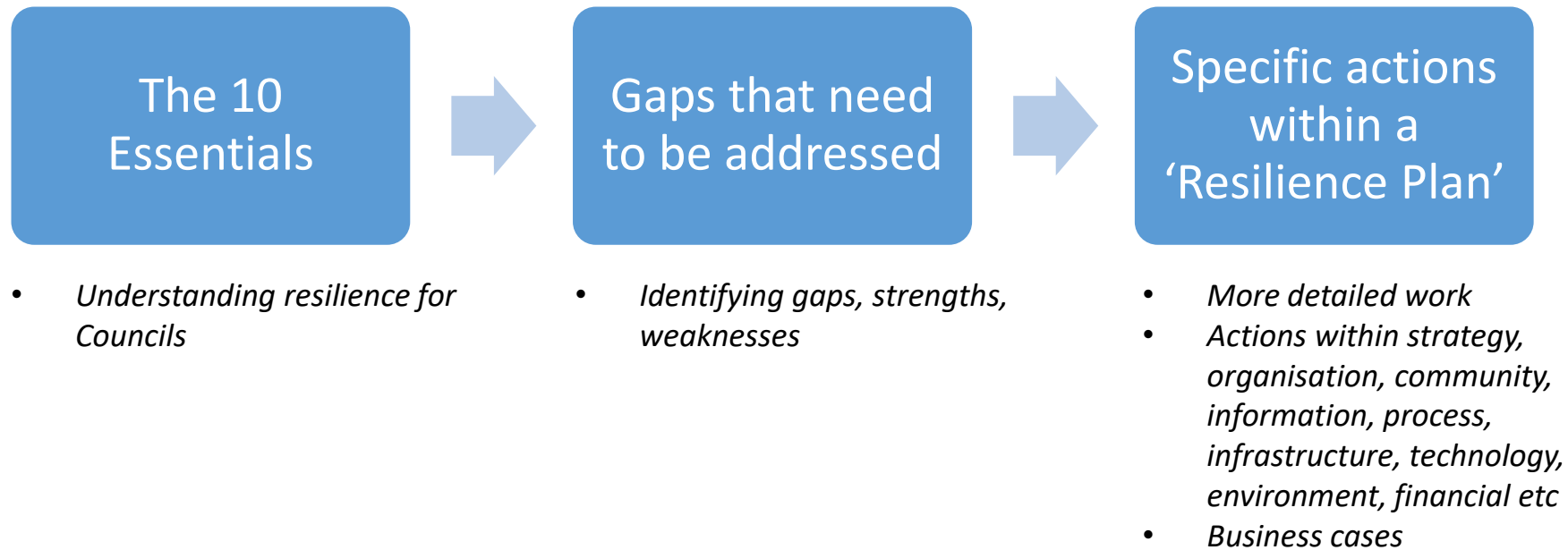


A network diagram with a teal background and a geometric pattern of overlapping shapes. It contains two text boxes:

- Strengthening disaster risk governance to manage disaster risk
- Enhancing disaster preparedness for effective response, and to "Build Back Better" in recovery, rehabilitation and reconstruction

A teal rectangular box containing the text "Investing in disaster risk reduction for resilience".

Approach



The 10 essentials

-  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

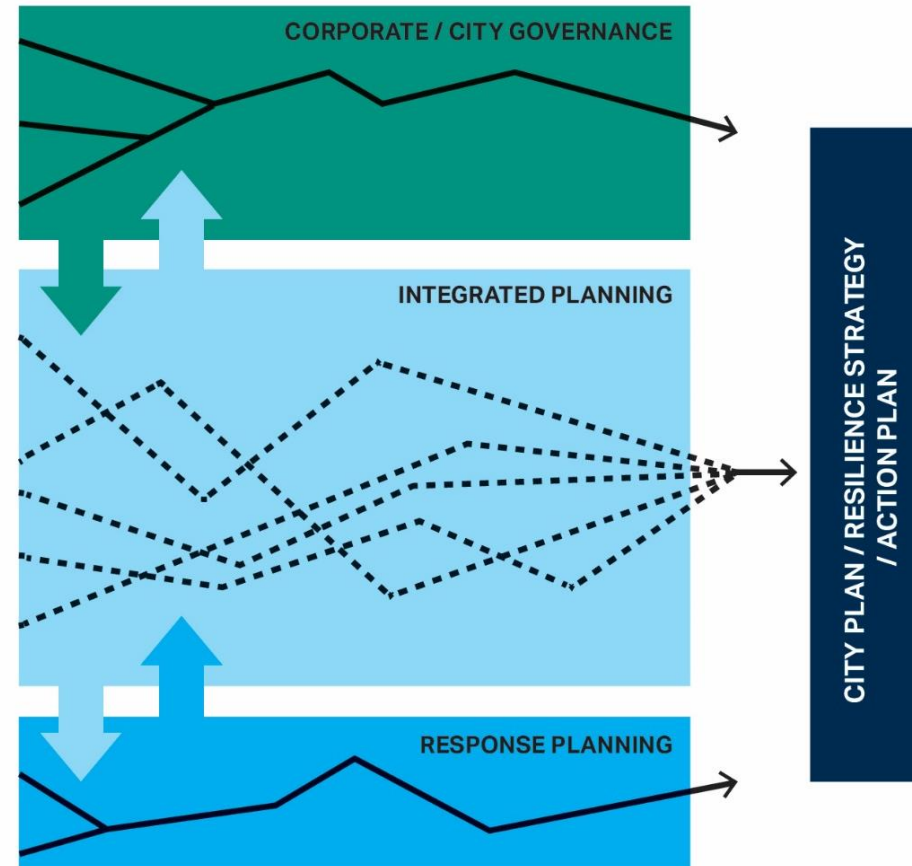
-  6. STRENGTHEN INSTITUTIONAL CAPACITY FOR RESILIENCE

-  7. UNDERSTAND AND STRENGTHEN SOCIETAL CAPACITY FOR RESILIENCE

-  8. INCREASE INFRASTRUCTURE RESILIENCE

-  9. ENSURE EFFECTIVE DISASTER RESPONSE

-  10. EXPEDITE RECOVERY AND BUILD BACK BETTER



Scope

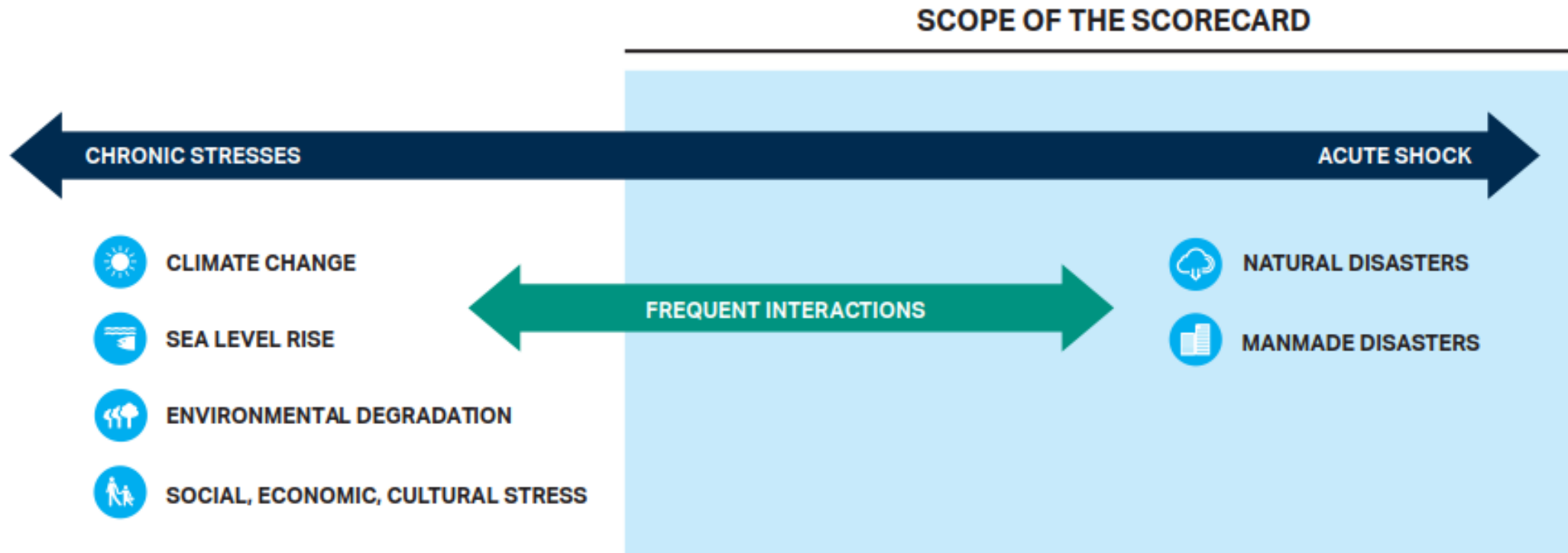


Figure 1: The scope of the Disaster Resilience Scorecard for Cities

Supporting tools

- Intuitive MS Excel tools
- Supports scoring
- Captures key points of discussion
- Provides simple results summary
- Quick Risk Estimation Tool developed by Deloitte and UNISDR in understanding, identifying and communicating potential risks
- An online tool will be soon made available for local governments as part of the Sendai Framework monitoring, to help collect and analyze data.

The screenshots illustrate the Disaster Resilience Scorecard for Cities tool, showing the data entry and results summary stages.

CITY INFORMATION

This Assessment	Response
City name	London
Type of city (municipality, metropolitan areas, etc)	
Country	United Kingdom
Date of assessment	15 May 2017
City Profile (Required)	
Title of the highest level of authority (e.g. Mayor, etc)	Source Date
Total city population	

ESSENTIAL 1 ORGANIZE FOR RESILIENCE

Question: Does the City master plan (or relevant strategic plan) include and implement disaster risk reduction approaches in line with the Sendai Framework?

Response:

- 3 - Fully integrated DRR plan, full Sendai Framework compliance and coverage across all of the Ten Essentials.
- 2 - Stand alone DRR plan complying with Sendai Framework and addressing all of the Ten Essentials.
- 1 - Plans offers partial compliance with Sendai Framework and covering some of the Ten Essentials.
- 0 - No plans / compliance.

RESULTS

Essential 01: Organize for Resilience	Score
P1.1 Does the City master plan (or relevant strategic 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?	2
P1.3 Is resilience properly integrated with other key city functions / portfolios?	3

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

Question	Score
P2.1 Does the city have knowledge of the key hazards that the city faces, and their likelihood of occurrence?	3
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 banks, of the points of stress on the system and its scale risks?	2
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 potential cascading failures between different city and infrastructure systems, under different scenarios?	0
P2.5 Do clear hazard maps and data on risk exist? Are these regularly updated?	0

Essential 03: Strengthen Financial Capacity for Resilience

Question	Score
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.	3
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)?	3
P3.3 What level of insurance covers exists in the city, across all sectors - business and community?	3
P3.4 What incentives exist for different sectors and segments of business and society to support	3

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, Councils can:

- Enable dialogue between key stakeholders who may otherwise not work together regularly
- Enable discussion of priorities for investment and action, based on a shared understanding of the current situation
- Enable the development of a resilience strategy / action plan
- Ultimately lead to actions and implementable projects that will deliver increased resilience for the district over time.

Moving to action

- Scorecard and supporting tools help Councils establish their resilience baseline and can help to frame an action plan
- Councils should ideally move on to develop action plans and assign responsibilities
- Further work will inevitably be needed to support project definition and design, business case, funding, etc
- Work to complete the Scorecard will be valuable for Councils participating in other initiatives such as 100 Resilient Cities (100RC), C40 etc

