

100 RESILIENT CITIES

	Driver	Sub-Drivers
Health & Wellbeing	1. Meets Basic Needs: Provision of essential resources required to meet a person's basic physiological needs.	1.1. Housing - Sufficient, robust & inclusive housing for all 1.2. Energy - Safe, robust & inclusive access to energy for all, both daily & during times of shock or stress 1.3. Water - Safe, robust & inclusive access to energy for all, both daily & during times of shock or stress 1.4. Food - Sufficient & affordable food supplies for all, both daily & during times of shock or stress
	2. Supports Livelihoods and Employment: Livelihood opportunities & support that enable people to secure their basic needs. Opportunities might include jobs, skills training, or responsible grants & loans.	2.1. Labour policy - Robust & inclusive labour policies & standards & social security provision for the unemployed 2.2. Skills and training - Provision of skills & training for all appropriate to the employment marketplace 2.3. Livelihood support following a shock - Robust & inclusive measures to ensure continuity & support workers following a shock 2.4. Local business development and innovation - Robust, flexible, resourceful (innovative) & inclusive local business activities & environment 2.5. Access to finance - Inclusive mechanisms for access to finance, & flexible additional measures post-shock
	3. Ensures Public Health Services: Integrated health facilities & services, & responsive emergency services. Includes physical & mental health, health monitoring & awareness of healthy living & sanitation.	3.1. Medical facilities and practitioners in emergency - Adequate medical capacity (physical & human resources) with redundancy to manage emergencies 3.2. Access to general healthcare - Adequate & inclusive access to general healthcare for all 3.3. Capacity and measures to manage public health - Integrated, inclusive, flexible measures & capacity to manage public health risks & emergencies
Economy & Society	4. Promotes Cohesive and Engaged Communities: Community engagement, social networks & integration. These reinforce collective ability to improve the community & require processes that encourage civic engagement in planning & decision-making.	4.1. Community social connectivity - Robust & inclusive social connections & structures (from households to communities), integrated throughout the city 4.2. Local identity and culture - Integrated local identity & culture, in which all citizens feel a sense of belonging in the city 4.3. Community participation - Resourceful, integrated & inclusive engagement & participation of civil society (community participation) within the city
	5. Ensures Social Stability, Security and Justice: Law enforcement, crime prevention, justice, & emergency management.	5.1. Deterrents to crime - Robust, inclusive & transparent measures & systems to deter crime 5.2. Corruption reduction - Robust, inclusive & transparent measures & systems to deter corruption & promote trust of the government 5.3. Policing to promote safety and security - Robust, inclusive & transparent policing measures & systems to create a safe & secure city 5.4. Law enforcement - Robust, inclusive & transparent measures & systems to enforce the law
	6. Fosters Economic Prosperity: While Driver 2 is about individual livelihoods, Driver 6 is about the economy on a wider scale. Important economic factors include contingency planning, sound management of city finances, the ability to attract business investment, a diverse economic profile & wider linkages.	6.1. Business continuity planning - Resourceful, reflective & flexible business continuity planning 6.2. City budgets - Municipal access to & control of diverse & robust revenue streams (budgets), daily & during times of shock or stress 6.3. Inward investment - Diverse & resourceful investments within the city, driven by a strong urban brand & economic & social environment 6.4. Local economy - Robust, flexible & diverse local economy 6.5. Wider economic linkages - Robust & integrated economic relationships/roles within wider economic systems

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Infrastructure & Environment	<p>7. Enhances and Provides Protective Natural & Man-Made Assets: Environmental stewardship, appropriate infrastructure, effective land use planning & enforcing regulations. Conservation of environmental assets preserves the natural protection afforded to cities by ecosystems.</p>	<p>7.1. Environmental policy - Robust yet flexible environmental policy / regulatory protection of ecosystems & natural resources</p> <p>7.2. Safeguards for critical infrastructure - Enforceable measures to ensure safety & security of critical assets, through promotion of redundancy, integration & resourcefulness</p> <p>7.3. Redundant, diverse infrastructure - Diversity & redundancy within assets & services of provision (i.e. transport, energy, water, waste management etc.)</p>
	<p>8. Ensures Continuity of Critical Services: Diversity of provision, redundancy, active management & maintenance of ecosystems & infrastructure, & contingency planning</p>	<p>8.1. Emergency plans for critical services - Resourceful, reflective & flexible emergency response & recovery plans for critical services</p> <p>8.2. Optimisation of critical infrastructure - Resourceful & flexible use of critical infrastructure</p> <p>8.3. Maintenance of assets - Robust & integrated asset monitoring, maintenance & renewal programmes</p> <p>8.4. Flood risk management - Robust & flexible flood risk management mechanisms & infrastructure, with redundant capacity</p> <p>8.5. Ecosystem management - Reflective, flexible, resourceful management & restoration of ecosystems & environmental assets</p>
	<p>9. Provides Reliable Communication and Mobility: Diverse & affordable multi-modal transport networks & systems, ICT & contingency planning. Transport includes the network (roads, rail, signs, signals etc.), public transport options & logistics (ports, airports, freight lines etc.)</p>	<p>9.1. Transport networks - Multi-modal & integrated transport network/system with inclusive coverage of the city</p> <p>9.2. Public transport - Safe, robust & inclusive public transport system with diverse modal options</p> <p>9.3. Freight / logistics transport - Robust, diverse & integrated transport links with other cities/regions facilitating logistics</p> <p>9.4. Communications technology - Robust, diverse & inclusive communications accessible by all</p> <p>9.5. Emergency information systems - Inclusive & integrated emergency information systems</p>
Leadership & Strategy	<p>10. Promotes Leadership and Effective Management: Relating to government, business & civil society. This is recognisable in trusted individuals, multi-stakeholder consultation, & evidence-based decision-making.</p>	<p>10.1. Multi-stakeholder alignment - Inclusive & constructive collaboration between all actors involved in city decision-making</p> <p>10.2. Government alignment - Effective communication & collaboration between city, regional & national government</p> <p>10.3. Decision making and leadership - Transparent, inclusive & integrated government decision-making & leadership</p> <p>10.4. Emergency capacity and coordination - Redundant capacity, flexibility & integration in city leadership to resourcefully & effectively manage emergencies</p>
	<p>11. Empowers a Broad Range of Stakeholders: Education for all, access to up-to-date information, & knowledge to enable people & organisations to take appropriate action. Along with education & awareness communication is needed to ensure that knowledge is transferred between stakeholders & between cities.</p>	<p>11.1. Education - Resourceful & inclusive education systems</p> <p>11.2. Public risk awareness - Integrated & inclusive efforts to build public awareness of risks</p> <p>11.3. Risk monitoring and alerts - Timely & integrated monitoring of potential hazards, & issuing of inclusive & reliable alerts/hazard information</p> <p>11.4. Communication between government and public - Inclusive, integrated & transparent mechanisms for communication & coordination between local government & citizens</p> <p>11.5. Knowledge transfer and best practice sharing - Integrated, resourceful knowledge sharing practices, based on robust info, within & between cities</p>
	<p>12. Fosters Long-Term and Integrated Planning: Holistic vision, informed by data. Strategies/plans should be integrated across sectors & land-use plans should consider & include different departments, users & uses. Building codes should create safety & remove negative impacts.</p>	<p>12.1. City monitoring and data management - Reflective & integrated city planning & strategies informed by regular monitoring & analysis of relevant data</p> <p>12.2. Strategies and Plans - Regularly updated, long-term reflective & integrated strategies & plans for urban development</p> <p>12.3. Land-use and development - Integrated, flexible land use & development plans, developed through inclusive planning processes</p> <p>12.4. Building codes, standards and enforcement - Robust & reflective enforced building codes & standards, appropriate to local risk profiles</p>