## **Sustainable Reconstruction and Recovery Framework Checklist Efficient Resource Utilisation**

| THEME  | SUB-THEME | SUBTHEME INTENT   | STRATEGIES  | STAKEHOLDERS TO INVOLVE   | ALIGNMENT<br>TO SDG                      | ALIGNMENT TO<br>WORLDGBC PRINCIPLES  |
|--|-----------|---|---|---|--|--|
| <section-header><section-header><section-header><section-header><section-header><text></text></section-header></section-header></section-header></section-header></section-header> |           | Ensure efficient utilisation of local materials and reduce the<br>demand for virgin materials.<br>Assess an optimised whole life cycle approach towards the<br>handling of existing materials, especially pertaining to<br>reconstruction, by exploring strategies that utilise debris, reduce<br>waste and divert waste from landfills.  |   | <ul> <li>Municipality urban planners and architects</li> <li>Experts: Environmental impact assessment (EIA) specialist, solid waste management experts, architects, structural engineers, heritage experts, social experts</li> <li>Material suppliers and local manufacturers</li> <li>Geographic and natural resources centers</li> <li>Funding agencies</li> <li>Affected population</li> <li>Certification bodies for infrastructure</li> <li>Contractors, procurement engineers, and officers, construction product manufacturers and suppliers</li> <li>Engineers - structural and material</li> <li>Transport logistics</li> <li>Recycling companies</li> <li>Municipalities</li> <li>Contractors</li> <li>Waste haulers</li> <li>Citizens and building users</li> </ul> | SDG 7.1-7.3<br>SDG 12.1-12.4<br>SDG 13.3 | <text></text>  |
|  | ENERGY    | Use reconstruction to build sustainable energy infrastructure for<br>buildings and cities as a whole.<br>Ensure proper utilisation of available energy resources, including<br>optimising energy demand and performance through passive<br>and active methods.<br>Maximise the reliance on renewable energy sources in meeting<br>the demands while ensuring optimum performance when<br>commissioning and monitoring energy systems to reduce overall<br>emissions, operating costs, and reliance on fossil fuels. | <ul> <li>Maximise energy efficiency</li> <li>Capitalise on renewable energy</li> <li>Implement monitoring and management</li> <li>Consider local resources and conditions</li> </ul>  | <ul> <li>Ministry of energy and/or energy regulatory commission</li> <li>Energy generation and/or energy distribution companies</li> <li>Municipalities</li> <li>Ministry of environment</li> <li>Engineers</li> <li>Urban planners</li> <li>Design engineers</li> <li>System engineers</li> <li>Project managers</li> <li>Facility managers and technicians</li> <li>End users</li> <li>Building occupants</li> <li>Clients</li> </ul>   | SDG 7.1-7.3<br>SDG 12.1-12.4<br>SDG 13.3 | <ul> <li>Net Zero Embodied Carbon</li> <li>H&amp;W Framework - 6.1<br/>Commit to Climate Chane<br/>Mitigation, 6.4 Ensure<br/>Resource Efficiency</li> </ul> |
|  |           | Ensure proper utilisation and protection of water resources,<br>which includes optimising the demand on freshwater, protecting<br>natural water resources, maximising water reuse, and managing<br>water operations to rescue the depletion of available freshwater<br>in the long term.  | <ul> <li>Ensure water conservation</li> <li>Efficiently manage water resources<br/>extraction, generation and collection</li> <li>Apply holistic water management</li> <li>Prioritise environmentally friendly<br/>wastewater treatments</li> </ul> | <ul> <li>City Management</li> <li>Ministry of Water Resources and Irrigation</li> <li>Water Supply companies</li> <li>International development agencies and environmental/green building NGO's</li> <li>Academia</li> <li>Informal water sector</li> </ul>   | SDG 6.1- 6.6                             | <ul> <li>Net Zero Embodied Carbon</li> <li>H&amp;W Framework - 6.3 Ensure<br/>Water Efficiency, 1.2 Improve<br/>Water Quality</li> </ul>                     |







## **Sustainable Reconstruction and Recovery Framework Checklist** Sustainable Mobility

| THEME   | SUB-THEME | SUBTHEME INTENT               | STRATEGIES   | STAKEHOLDERS TO INVOLVE  | ALIGNMENT<br>TO SDG   | ALIGNMENT TO<br>WORLDGBC PRINCIPLES  |
|---|-----------|-------------------------------|--|--|---|--|
| <section-header><section-header><section-header><section-header><text></text></section-header></section-header></section-header></section-header> |           | sustainable mobility network. | <ul> <li>Promote alternative transportation<br/>(e-mobility, cycling, informal, water, air)</li> <li>Prioritise public transportation</li> <li>Prioritise parking spaces to support<br/>multimodal mass transit and electric vehicles</li> </ul> | <ul> <li>Ministry of transportation</li> <li>Ministry of environment</li> <li>Ministry of local government</li> <li>Municipalities</li> <li>Public at large</li> </ul> | SDG 3.9<br>SDG 11.6<br>SDG 3.4<br>SDG 7.1<br>SDG 9.1<br>SDG 9.4<br>SDG 11.7<br>SDG 12.8<br>SDG 12.8<br>SDG 2.1<br>SDG 11.A<br>SDG 1.5<br>SDG 4.7<br>SDG 11.1<br>SDG 12.4<br>SDG 13.3<br>SDG 8.7-8.8<br>SDG 7.1-7.3<br>SDG 12.1-12.2<br>SDG 13.1<br>SDG 13.1<br>SDG 11.A | <ul> <li>Net Zero Operational Carbon</li> <li>H&amp;W Framework - 1.1<br/>Improve Air Quality, 1.3<br/>Improve Mental Health, 2.1<br/>Ensure Thermal Comfort, 2.5<br/>Ensure inclusive Design, 3.2<br/>Ensure Outdoor nature<br/>Access &amp; biodiversity, 4.1<br/>Promote activity &amp; Physical<br/>Health in design, 4.2<br/>Encourage Good Nutrition<br/>Hydration &amp; Social<br/>Connectivity, 5.3 Improve<br/>Quality of life, 6.1 Commit to<br/>Climate change mitigation.</li> </ul> |
|   |           |                               | <ul> <li>Promote alternative transportation<br/>(e-mobility, cycling, informal, water, air)</li> <li>Prioritise public transportation</li> <li>Prioritise parking spaces to support<br/>multimodal mass transit and electric vehicles</li> </ul> |  | SDG 3.4<br>SDG 3.9<br>SDG 7.1<br>SDG 9.1<br>SDG 9.4<br>SDG 12.8<br>SDG 11.7<br>SDG 2.1<br>SDG 11.A<br>SDG 1.5<br>SDG 1.5<br>SDG 4.7<br>SDG 11.1<br>SDG 11.6<br>SDG 12.4<br>SDG 13.3   | <ul> <li>Net Zero Operational Carbon</li> <li>H&amp;W Framework - 1.1<br/>Improve Air Quality, 1.3<br/>Improve Mental Health, 2.1<br/>Ensure Thermal Comfort, 2.5<br/>Ensure inclusive Design, 3.2<br/>Ensure Outdoor nature<br/>Access &amp; biodiversity, 4.1<br/>Promote activity &amp; Physical<br/>Health in design, 4.2<br/>Encourage Good Nutrition<br/>Hydration &amp; Social<br/>Connectivity, 5.3 Improve<br/>Quality of life, 6.1 Commit to<br/>Climate change mitigation.</li> </ul> |







## **Sustainable Reconstruction and Recovery Framework Checklist** Integrative Social & Economic Resilience

| THEME   | SUB-THEME  | SUBTHEME INTENT   | STRATEGIES  | STAKEHOLDERS TO INVOLVE  | ALIGNMENT<br>TO SDG   | ALIGNMENT TO<br>WORLDGBC PRINCIPLES   |
|---|--|---|---|--|---|---|
|   | <section-header><section-header></section-header></section-header> | Assess and improve the social resilience of post-conflict and<br>post-disaster cities, and suggest ways to benefit from the social<br>resilience of the city during the reconstruction process.<br>Map community stakeholders and their priorities concerning the<br>city's development and housing, and assess their ability to<br>support the urban reconstruction process.<br>Enable cities and communities to take advantage of strong<br>social resilience, leverage their newly developed social capital<br>towards accomplishing further sustainable urban priorities. | <ul> <li>Utilise social resilience</li> </ul>   | <ul> <li>Office/Department of statistics and other public agencies</li> <li>Key persons representing main segments of the population</li> <li>Key persons representing the main conflicting parties and alliance</li> <li>Community members and community-based organisation</li> <li>Community based organisations</li> <li>Community members and civic groups</li> <li>Planners</li> <li>City and community representatives</li> <li>Local and international NGOs</li> <li>Investors and funding institutions</li> <li>Socio-economic expert(s)</li> </ul> | SDG 4.7<br>SDG 16.3<br>SDG 1.5<br>SDG 12.4<br>SDG 13.3<br>SDG 9.4<br>SDG 13.1                 | <ul> <li>5.1 Protect Human Rights 5.3<br/>Improve Quality of Life, 6.1<br/>Commit to Climate Change<br/>mitigation, 6.2 Design for<br/>Resilience and adaptation<br/>action</li> </ul>  |
| INTEGRATIVE<br>SOCIAL &<br>ECONOMIC<br>RESILIENCE<br>Ensure social networks are<br>given equal importance to<br>physical networks, and are<br>rebuilt and supported in the<br>physical environment in<br>ways that facilitate<br>opportunities for economic | <section-header><section-header></section-header></section-header> | Provide guidelines for an economically efficient and successful<br>implementation of sustainable urban reconstruction practices in<br>post-crisis cities. This is to be done by considering phasing<br>according to the community's priorities and emphasising<br>transparency  | <ul> <li>Define economic resilience alternatives</li> <li>Estimate cost of restoration and reconstruction</li> <li>Study benefit estimation and economic analysis</li> <li>Define cash flow and financial analysis</li> <li>Secure funding</li> </ul> | <ul> <li>Representatives of the public sector and economic experts</li> <li>Representatives of local communities, architects, and construction experts.</li> <li>Key representatives of the business community, land owners, owners of residential housing blocks and others who may have the capacity to take immediate action and to reestablish housing and infrastructure</li> <li>Planners</li> <li>Public and private investors</li> <li>Construction companies</li> <li>Citizens and their representatives</li> </ul>                                 | SDG 4.7<br>SDG 11.1<br>SDG 1.5<br>SDG 12.4<br>SDG 13.3<br>SDG 9.4<br>SDG 13.1                 | <ul> <li>Net Zero embodied and<br/>operational carbon</li> <li>H&amp;W Framework - 5.3<br/>Improve Quality of Life, 6.1<br/>Commit to Climate Change<br/>mitigation, 6.2 Design for<br/>Resilience and adaptation<br/>action</li> </ul>   |
| growth and community resilience.  |  | Propose strategic training and education initiatives post-crisis<br>with the aim towards sustainable urban reconstruction. The<br>initiatives may comprise both school education for children and<br>adults, and public awareness campaigns.  | <ul> <li>Assess accumulated training needs</li> <li>Strategize training for an industry upgrade</li> <li>Plan the training for new demands</li> </ul>   | <ul> <li>The city school department</li> <li>Teachers of primary, secondary and vocational school;<br/>professors and universities, who are aware of the training<br/>capacities within the schools and universities</li> <li>Business representatives</li> <li>Owners of appropriate premises for training</li> </ul>   | SDG 4.7<br>SDG 16.3<br>SDG 1.5<br>SDG 12.4<br>SDG 13.3<br>SDG 9.4<br>SDG 13.1<br>SDG 8.7- 8.8 | <ul> <li>Net Zero embodied and<br/>operational carbon</li> <li>H&amp;W Framework - 5.1 Protect<br/>Human Rights, 5.2 Commit to<br/>construction workers, 5.3<br/>Improve Quality of Life, 6.1<br/>Commit to Climate Change<br/>mitigation, 6.2 Design for<br/>Resilience and adaptation<br/>action</li> </ul> |







#### **Sustainable Reconstruction and Recovery Framework Checklist** Health & Wellbeing

| THEME  | SUB-THEME  | SUBTHEME INTENT   | STRATEGIES  | STAKEHOLDERS TO INVOLVE   | ALIGNMENT<br>TO SDG   | ALIGNMENT TO<br>WORLDGBC PRINCIPLES  |
|--|--|---|---|---|---|--|
| <section-header><section-header></section-header></section-header> | <section-header><section-header></section-header></section-header> | Offer spaces, services, and activities where the promotion and<br>development of human vitality and wellbeing is materialised. As<br>social and mental wellbeing are outcomes of good urban<br>planning and design, there are several general and<br>context-specific principles that can be considered and applied<br>towards urban reconstruction efforts in post-crisis cities and<br>neighbourhoods for this purpose. | <ul> <li>Biophilic design principles</li> <li>Happiness mapping and place making</li> <li>Make spaces great</li> <li>Equalize wellbeing</li> <li>Decentralise services</li> <li>No honking zones</li> <li>Nature For mental and social wellbeing</li> <li>Wellbeing for children</li> <li>Wellbeing for the elderly</li> <li>Social capital through activity</li> <li>Promotion of the arts</li> </ul>  | <ul> <li>Local government agencies</li> <li>Municipalities</li> <li>Civil society representatives</li> <li>Subject matter experts</li> </ul>  | SDG 3.4<br>SDG 9.4<br>SDG 12.8<br>SDG 11.7<br>SDG 12.8<br>SDG 2.1<br>SDG 11.A<br>SDG 11.A<br>SDG 16.3<br>SDG 1.5<br>SDG 1.5<br>SDG 11.1<br>SDG 12.4<br>SDG 13.3<br>SDG 13.1     | <ul> <li>H&amp;W Framework - 1.3 Improve<br/>Mental Health, 2.5 Ensure<br/>Inclusive Design, 3.1 Ensure<br/>Biophilic Design, 3.2 Ensure<br/>Outdoor Nature access &amp;<br/>Biodiversity, 4.1 Promote<br/>Activity &amp; physical Health in<br/>design, 4.2 Encourage Good<br/>nutrition hydration &amp; social<br/>connectivity, 5.1 protect<br/>human rights, 5.3 improve<br/>quality of life, 6.1 Commit to<br/>Climate Change mitigation,<br/>6.2 Design for Resilience and<br/>adaptation action.</li> </ul> |
|  |  | Provide integrated safety and disaster risk mitigation/prevention<br>planning and management measures over the life cycle of the<br>reconstruction process of cities whilst maintaining the wellbeing<br>of all stakeholders. Explore effective measures which priorities<br>safety for all stakeholders at all development levels, in the<br>context of a health pandemic.   | <ul> <li>Handle Unexploded Ordnance (UXO) clearance</li> <li>Prioritise safe public spaces and accessibility</li> <li>Plan for disaster risk reduction</li> <li>Promote public health and safety</li> <li>Check for construction / structural soundness</li> <li>Plan for construction process safety</li> </ul>  | <ul> <li>Municipalities and local governments</li> <li>Public works regulatory bodies, specifications and<br/>standardization regulatory bodies, H&amp;S specialists, EIA<br/>specialists, material engineers, and contractors</li> <li>Structural engineers</li> <li>Citizens and built environment users</li> </ul> | SDG 9.4<br>SDG 4.7<br>SDG 16.3<br>SDG 1.5<br>SDG 11.1<br>SDG 3.3<br>SDG 13.1<br>SDG 8.7-8.8   | <ul> <li>H&amp;W Framework - 2.5 Ensure<br/>Inclusive Design, 5.1 protect<br/>human rights, 5.3 improve<br/>quality of life, 1.4 Reduce<br/>infection Disease<br/>Transmission, 2.5 Ensure<br/>Inclusive Design, 5.1 protect<br/>human rights, 5.3 improve<br/>quality of life, 6.2 Design for<br/>Resilience and adaptation<br/>action.</li> </ul>  |
|  |  | Encourage occupant wellbeing by ensuring thermal, visual,<br>auditory, and olfactory comfort. Encourage beneficial lifestyle<br>practices which include good nutrition, hydration, and social<br>connectivity.  | <ul> <li>Conduct a comfort review data gathering<br/>(quantitative and qualitative)</li> <li>Perform comfort analysis</li> <li>Utilise comfort related outcomes and<br/>recommendations</li> <li>Plan for thermal comfort</li> <li>Plan for proper lighting and visual comfort</li> <li>Plan for acoustic comfort</li> <li>Integrate urban biophilia</li> <li>Empower community perception and<br/>ownership</li> <li>Consider other outdoor environment quality</li> </ul> | <ul> <li>Local government agencies</li> <li>Municipalities</li> <li>Civil society representatives</li> <li>Subject matter experts</li> </ul>  | SDG 3 & 11<br>SDG 7.1<br>SDG 9.1<br>SDG 9.4<br>SDG 12.4<br>SDG 13.3<br>SDG 1.5<br>SDG 13.1<br>SDG 4.7<br>SDG 11.1<br>SDG 8.7-8.8<br>SDG 11.7<br>SDG 2.1<br>SDG 11.A<br>SDG 12.8 | <ul> <li>Net Zero operational carbon</li> <li>All of the Health &amp; Wellbeing<br/>Framework</li> <li>Approach pollution mitigation<br/>and prevention through a<br/>comprehensive, integrative,<br/>and multi-disciplinary design<br/>approach, and elaborate on<br/>the preservation of air, water<br/>and soil quality to minimise<br/>health risks.</li> </ul>  |
|  |  | For optimum protection against harm which also encapsulates<br>human wellbeing, the theme provides mitigation strategies for<br>other sources of pollution such as noise and light.   | <ul> <li>Limit and mitigate air pollution</li> <li>Limit and mitigate water pollution</li> <li>Limit and mitigate soil pollution</li> <li>Limit and mitigate noise pollution</li> </ul>   | <ul> <li>Each design discipline</li> <li>Scientists and researchers</li> <li>Client</li> <li>Community</li> <li>Cost/Financial controller</li> <li>Local heritage advisor</li> <li>Operation and facility manager</li> <li>Contractor and construction manager</li> <li>Government and local authorities</li> </ul>   | SDG 3.9<br>SDG 11.6<br>SDG 1.5<br>SDG 4.7<br>SDG 11.1<br>SDG 12.4<br>SDG 13.3<br>SDG 9.4<br>SDG 13.1<br>SDG 6.1 - 6.6<br>SDG 15.1 - 15.9<br>SDG 7.1<br>SDG 9.1                  | <ul> <li>H&amp;W Framework - 1.1 improve<br/>air quality, 1.2 improve water<br/>quality, 5.3 improve quality of<br/>life, 6.1 Commit to Climate<br/>Change mitigation, 6.2 Design<br/>for Resilience and adaptation<br/>action, 2.2 Maintain Exemplary<br/>Lighting, 2.3 Maintain<br/>Acoustic comfort, 5.3 improve<br/>quality of life.</li> </ul>  |







# **Sustainable Reconstruction and Recovery Framework Checklist** Heritage

| THEME   | SUB-THEME |   |
|---|-----------|---|
| <section-header>   HERITAGE</section-header>                  |           | Balance the concommunity's new                            |
| region, which is crucial in ensuring belonging and wellbeing. |           | Restore the com<br>collective identit<br>post the reconst |

#### SUBTHEME INTENT

#### servation of archaeological heritage with the eds for reconstruction.

eological sites as a resilient asset for nd rebuilding of the community's identity and nation.

| STRATEGIES   | STAKEHOLDERS TO INVOLVE  |
|--|--|
| <ul> <li>Maximise the unique opportunity of accessing archaeology prior to reconstruction, and carrying out archaeological investigations and excavations without jeopardising the reconstruction process</li> <li>Integrate existing archaeology, as well as potential archaeological findings, in any reconstruction scenario or master plan by applying UNESCO principles which protect existing archaeology from disorganised urban development</li> <li>Prevent reconstruction works from damaging archaeological findings</li> <li>Integrate archaeology in the lives of the communities to support identity building and community integration</li> </ul> | <ul> <li>International bodies</li> <li>Local authorities</li> <li>Qualified archaeologists, historians and architectura</li> <li>Municipalities</li> <li>Civic defense agencies/army</li> <li>NGOs, local community representatives and volunte</li> </ul> |
| <ul> <li>Provide a comprehensive set of qualitative<br/>and quantitative data which informs the<br/>recommendations and processes for the<br/>protection, integration, and celebration of<br/>built heritage and its cultural significance in<br/>reconstruction plans.</li> <li>Design a development framework that<br/>balances built heritage conservation,<br/>community reconstruction needs, and<br/>socioeconomic growth.</li> </ul>  | <ul> <li>Community Land Property owners,</li> <li>Workers, visitors</li> <li>Vulnerable groups: women, children and people with</li> </ul>   |

nmunity's heritage as a mean to reinstate its y, social cohesion, and diversity through and ruction activities.







|                         | ALIGNMENT<br>TO SDG   | ALIGNMENT TO<br>WORLDGBC PRINCIPLES  |
|-------------------------|---|--|
| ral historians<br>teers | SDG 4.7<br>SDG 16.3<br>SDG 8.7-8.8<br>SDG 1.5<br>SDG 12.4<br>SDG 12.4<br>SDG 13.1-13.3            | <list-item></list-item>  |
| th disabilities         | SDG 4.7<br>SDG 16.3<br>SDG 8.7-8.8<br>SDG 1.5<br>SDG 11.1<br>SDG 12.4<br>SDG 9.4<br>SDG 13.1-13.3 | <ul> <li>H&amp;W Framework - Principle 5<br/>Create positive social value<br/>with buildings &amp; communities<br/>0.1 Commit to climate change<br/>Mitigation</li> <li>Besign for resilience &amp;<br/>adaptation action</li> </ul> |

# **Sustainable Reconstruction and Recovery Framework Checklist** Environmental & Climate Resilience

| THEME  | SUB-THEME  | SUBTHEME INTENT   | STRATEGIES   | STAKEHOLDERS TO INVOLVE  | ALIGNMENT<br>TO SDG  | ALIGNMENT TO<br>WORLDGBC PRINCIPLES  |
|--|--|---|--|--|--|--|
| <section-header><section-header><section-header><text></text></section-header></section-header></section-header> |  | Create ecological resilience, engineering resilience, and promote<br>community health and wellbeing by providing spaces that meet<br>the needs of residents and accommodate their daily activities<br>while minimising the negative environmental impact<br>of reconstruction.  | Assessment (EIA)<br>• Implement a Construction Environmental<br>Management Plan (CEMP)   | <ul> <li>Government</li> <li>Real estate and investors</li> <li>Urban planners, architects, landscape designers, and contractors</li> <li>Residents and public</li> <li>Landowners</li> </ul>  | SDG 1.5<br>SDG 9.4<br>SDG 13.1<br>SDG 3.9<br>SDG 11.6<br>SDG 6.1- 6.6<br>SDG 8.7-8.8<br>SDG 7.1 - 7.3<br>SDG 12.1-12.2<br>SDG 11.7<br>SDG 12.8<br>SDG 2.1<br>SDG 2.1 | <ul> <li>Net Zero Embodied Carbon</li> <li>H&amp;W Framework - 1.1<br/>improve Air Quality, 1.2<br/>improve Water Quality, 3.2<br/>Ensure outdoor nature<br/>access</li> <li>Biodiversity, 5.2 Commit to<br/>Construction workers Health<br/>&amp; Wellbeing, 6.2 Design for<br/>Resilience and Adaptation<br/>action, 6.4 Ensure resource<br/>efficiency</li> </ul> |
|  |  | Conduct an accurate and detailed assessment of the ecological<br>health of the area and set an agenda of remedial work needed<br>and baseline conditions for planning and design.   | <ul> <li>Identify and map existing ecosystems</li> <li>Identify current and potential negative impact<br/>on ecosystems</li> <li>Manage ecosystems</li> </ul>              | <ul> <li>National ministries responsible for environment and agriculture</li> <li>Planning authorities</li> <li>International donors</li> <li>Local municipalities</li> <li>Soil expert, water expert, horticulturist, native plant specialist, ecologist, landscape ecologist and conservation biologist</li> <li>Planners, designers, engineers, architects, and landscape architects</li> <li>Landowners</li> <li>Communities</li> <li>Non-Governmental organizations (NGO) and Civil Society concerned with ecological processes</li> <li>Conservation ecologists, and biologists</li> <li>Any other expert needed to address specific conditions or situations</li> </ul> | SDG 12.8<br>SDG 1.5<br>SDG 9.4   | • H&W Framework - 3.2 Ensure<br>outdoor nature access &<br>Biodiversity, 6.2 Design for<br>resilience & Adaptation<br>action   |
|  | <section-header><section-header></section-header></section-header> | <ul> <li>Integrate climate change mitigation strategies into sustainable reconstruction processes, taking into consideration the life cycle of the project.</li> <li>Provide multi-level monitoring and assessment tools for reduction of GHGs and ozone depletion.</li> <li>Avoid reconstruction activities that may potentially contribute to climate change and to simultaneously identify the best reconstruction practices.</li> </ul> | <ul> <li>Moderate energy consumption and prioritise energy mix optimisation.</li> <li>Material consumption and green material acquisition</li> </ul>                       |  | SDG 7.1-7.3<br>SDG 12.1-12.4<br>SDG 13.3   | <ul> <li>Net Zero Operational Carbon</li> <li>H&amp;W Framework - 6.1<br/>Commit to Climate Change<br/>Mitigation 6.4 Ensure<br/>Resource Efficiency</li> </ul>  |
|  | <section-header><section-header></section-header></section-header> | Prevent or reduce the impact of climate change on the natural<br>and built environment and human systems by planning and<br>implementing legal, physical, socio-economic (including mental<br>health and wellbeing) interventions.  | <ul> <li>Integrate climate change planning and governance across sectors</li> <li>Create physical adaptation actions</li> <li>Consider socioeconomic adaptation</li> </ul> | <ul> <li>Local government</li> <li>Concerned ministries</li> <li>UN agencies</li> <li>UNFCCC, NGOs and/or Green Building Councils</li> <li>International development NGOs</li> <li>Academia</li> <li>Engineers</li> <li>Media</li> </ul>   | SDG 1.5<br>SDG 9.4<br>SDG 13.1   | <ul> <li>Net Zero Operational Carbon</li> <li>H&amp;W Framework - 6.2 Design<br/>for Resilience and Adaptation<br/>action</li> </ul>   |





