Climate Change Adaptation in the Coastal Built Environment

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Role of the built environment stakeholders in Climate Change Adaptation

Shavindree Nissanka, Chamindi Malalgoda, Dilanthi Amaratunga, Richard Haigh Global Disaster Resilience Centre, University of Huddersfield, UK



















Built Environment Composition



The context for all human endeavours (bartuska & young, 2007)

A built environment encompasses life's infrastructure that protects and enhances our ethical and societal needs, reflects the quality of human life, and contributes to our vulnerabilities (bosher, carrillo, dainty, glass, & price, 2007)

The physical environment constructed by human activity (forrest & kearns, 2001)



Nexus between built environment and Climate change





INTERNATIONAL RESEARCH SYMPOSIUM Coastal Built Environment



Built
environment is
highly fragile in
face of disaster
risks induced
by climate
change.





30 % of the global greenhouse gas emissions attributed to the built environment and its processes





Built environment is made up of manmade structure which often constitute the weakest links and will turn out to be the most dangerous places during disasters.







The Analytical Framework of the Study

	Built environment phases	Planning and Design		Construction		Use and Retrofitting	
	Climate change Adaptation	Physical	Economic	Social	Enviro	onmental	Institutional
	Local and national governments	"Role in Climate Change Adaptation in the Built Environment"					
Built Environment Stakeholders	Private sector						
	Community						
	Civil Organizations and Professional Bodies						
89	Academia and research organisations						





National Government

- Providing a long-term visibility and certainty for climate change adaptation.
- Overseeing the Policy and Private Sector intersection
- Promoting investment in low-carbon options
- Fostering innovation in climate change adaptation







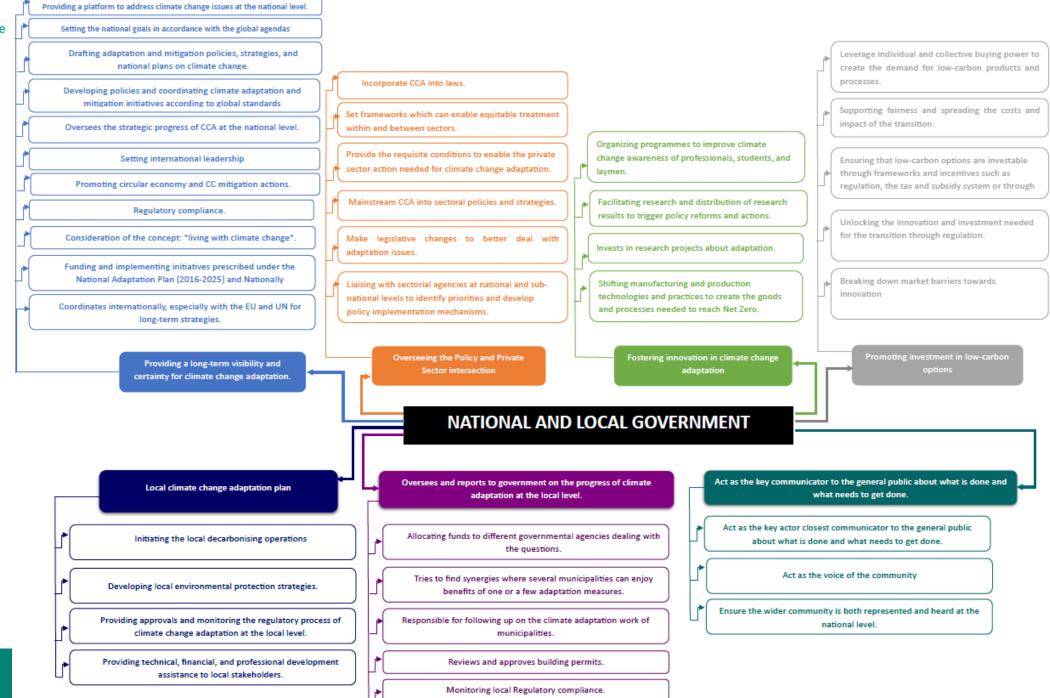
Built Environment leArning for Climate AdaptatiON LOCAL Government

- •Act as the key communicator to the general public about what is done and what needs to get done.
- •Oversees and reports to government on the progress of climate adaptation at the local level
- Leading climate change adaptation plans locally.





Built Environment leArning for Climate AdaptatiON



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PRIVATE SECTOR















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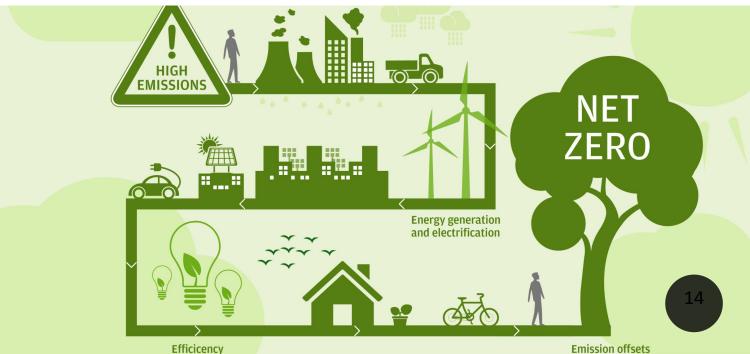


PRIVATE SECTOR

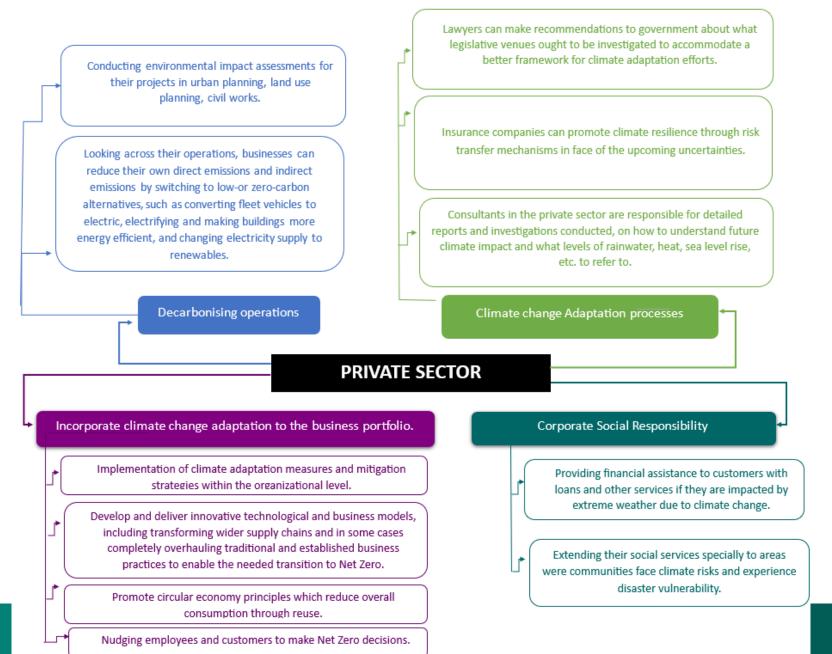
- Decarbonising operations
- Incorporate climate change adaptation to the business portfolio
- Corporate Social Responsibility
- Climate changeAdaptation processes







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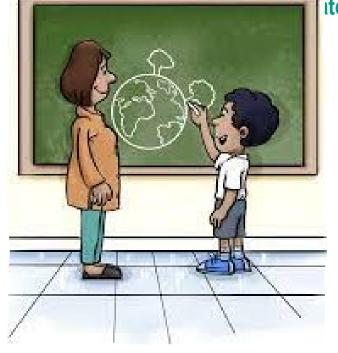


COMMUNITY

Roles and Responsibilities









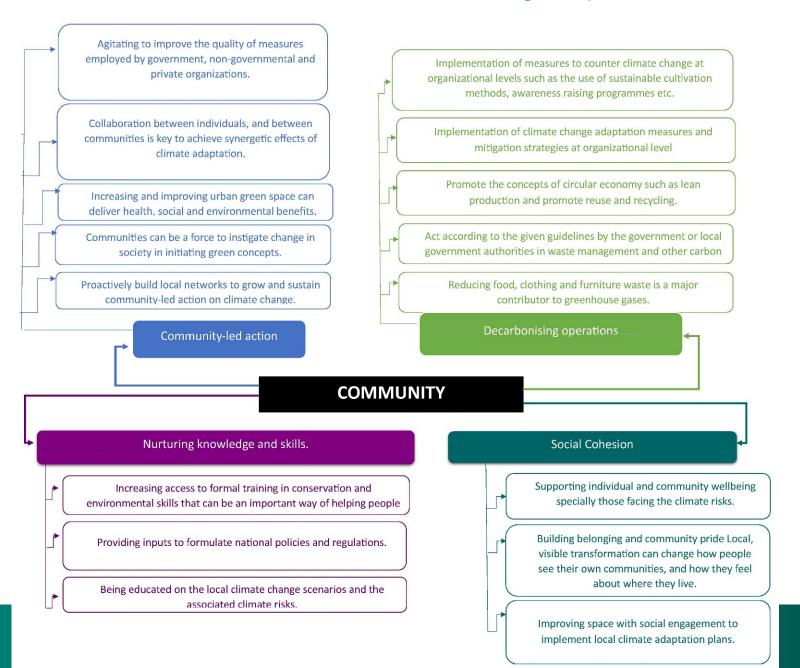
COMMUNITY

- Community-led action
- Decarbonising operations
- Nurturing knowledge and skills.
- Social Cohesion



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CIVIL ORGANISATIONS AND PROFESSIONAL BODIES

Roles and Responsibilities



CIVIL ORGANISATIONS AND PROFESSIONAL BODIES

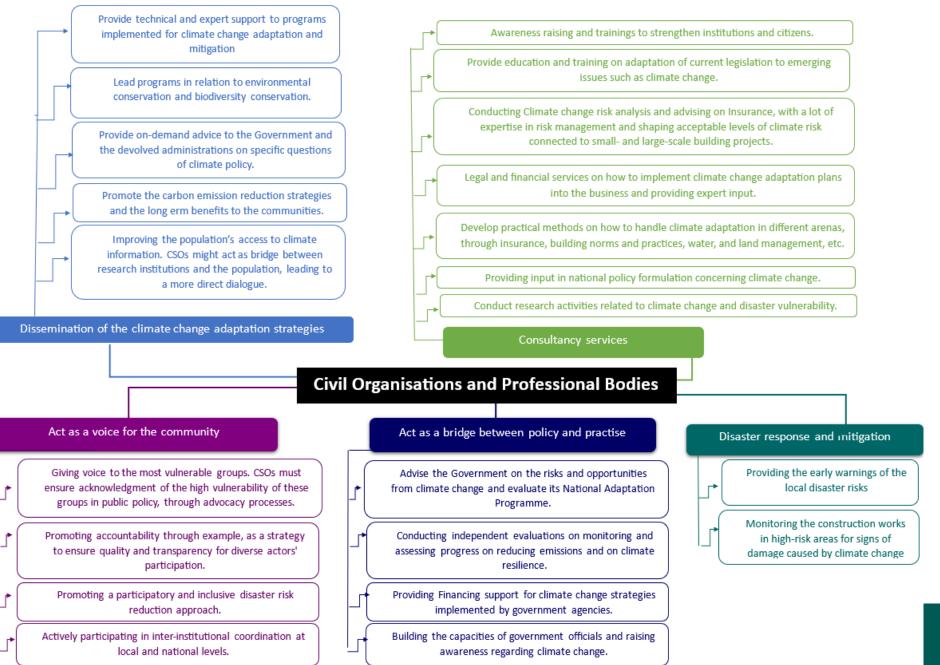
- Dissemination of the climate change adaptation strategies
- Act as a voice for the community
- Act as a bridge between policy and practise
- Consultancy services

Disaster response and mitigation

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Roles and Responsibilities



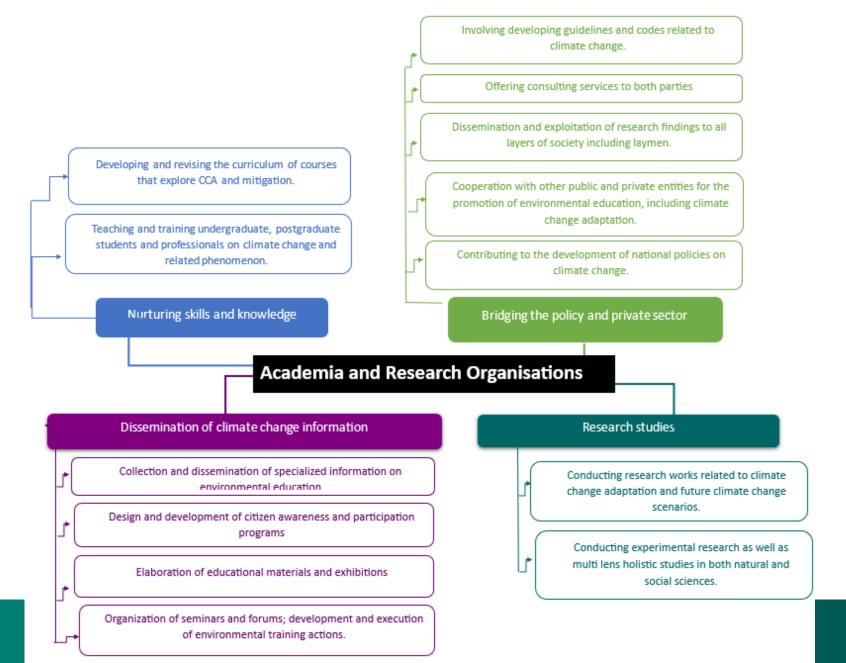
ACADEMIA AND RESEARCH ORGANISATION

- Nurturing skills and knowledge
- Bridging the policy and private sector
- Dissemination of climate change information
- Research studies

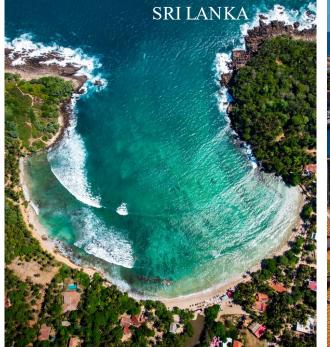


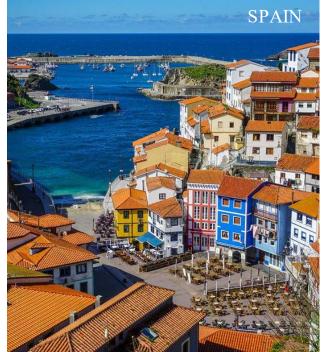


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Thank you

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