



Catalysing private sector adaptation

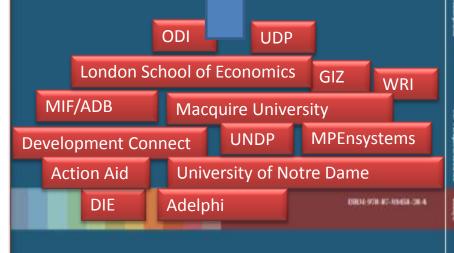
Perspectives on the role of micro, small and medium enterprises in the Global South



Caroline Schaer Researcher, UNEP DTU Partnership

UDP 'Perspectives' Publication

- Increased understanding of rationale and business case for MSME action in CCA
- Learning from existing approaches
- Instruments/mechanisms
- Future directions to support/ scale up



Private-sector action in adaptation: Perspectives on the role of micro, small and medium size enterprises







- Adaptation gap
- Increasingly exposed to disasters resulting of CC and longer-term incremental climatic changes
- Key to contribute to build climate-resilient societies:
- Constituting more than 90% of businesses backbone of the economy in dev countries - employment generation & supporting livelihoods
- Role in **global value** chains
- Definition IFC; Private-sector adaptation initiatives may relate to enterprises which:
- (a) Protect their own interests by **climate-proofing** their value chains
 & business operations
- (b) **Innovate** and provide products & services in response to a market need
- (c) Influence **regulation, policies &**

institutional infrastructure, PPP

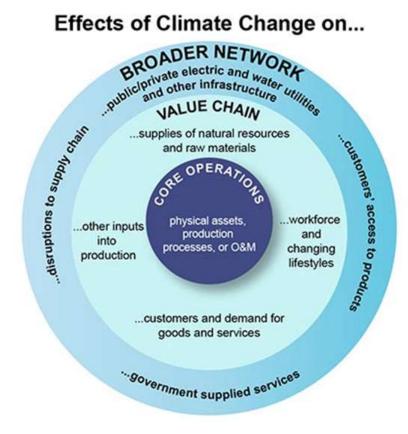




Impacts & Barriers



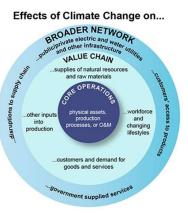
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Impacts & Barriers

- CC fundamentally affects business operations dire indirectly
- Barriers:
 - Awareness of risks, costs, business rationale incentives
 - Technical and financial capacity
 - Shorter business planning cycles reactive approach
 - Access to affordable financial products to deal with climate risks (insurance, loans)
 - Large % operate in informal sector
 - Uncertainty over location, magnitude & timing of risks & impact
- Findings also demonstrate the agency of MSMEs given right conditions and supporting environments.
- Understudied in literature weak evidence base
- Focus on financing little differentiation btw actors



Key findings: triggers for MSME adaptation action



- 1. Demonstrating & scaling up the business case for adaptation
- CC as a business opportunity rather than a risk driving demand for private climate resilience solutions (ex. from ProAdapt and Admire programmes)
- Contribute to develop local adaptation capacity while realizing new business objectives (e.g. weather and climate information products and services)
- Some donor funded more and more are applying sustainable commercial models
- Robustness of business case for adaptation often limited & profitability and risk management benefits unclear
 demonstrating, mainstreaming and scaling-up



Key findings: triggers for MSME adaptation action



2. Democratizing climate data: access to tailored tools, climate data & information

- Improved access to relevant context-specific (sector/region specific) information & data on risks and opportunities tailored to MSMEs
- PPP e.g. Private actors in cooperation with national meteorological actors.
- Information on context-specific adaptation options available to MSMEs
- Framing resilience/adaptation as additional element of corporate risks management - mainstreaming into existing processes (Wilson)
- Access to tailored tools user-friendly, easily accessible format (e.g. in local languages) ex. Climate expert (GIZ)
- Cambio Score: open-source, data driven framework to help private sector actors identify and prioritize areas of vulnerability & means of readiness (Nagrecha and Chawla)



Key findings: triggers for MSME adaptation action



3. Access to tailored Financial support mechanisms

Insurance (Surminski and Hankinson)

- Help MSMEs plan ahead & take positive business risks, while transferring climate risks BUT focus on short-term transfer of risk NOT building long-term resilience.
- Need to be designed and implemented with risk reduction in mind emphasis on capacity building and risk education
- Business continuity plans could become a precondition for cover

Multilateral climate funds (Watson and Patel) - 9 funds

- Adaptation action by MSMEs small but increasing volumes mitigation
- Demonstrating and unlocking opportunities more than increased project finance:
 - Clearer articulation of how the funds will engage MSMEs
 - Develop pro-MSMEs policies and investment frameworks
 - Reaching MSMEs in the informal sector is key & requires alternative approaches (alternative credit worthiness assessments





for MSME adaptation action

Key findings: triggers

4. Creating strong partnerships

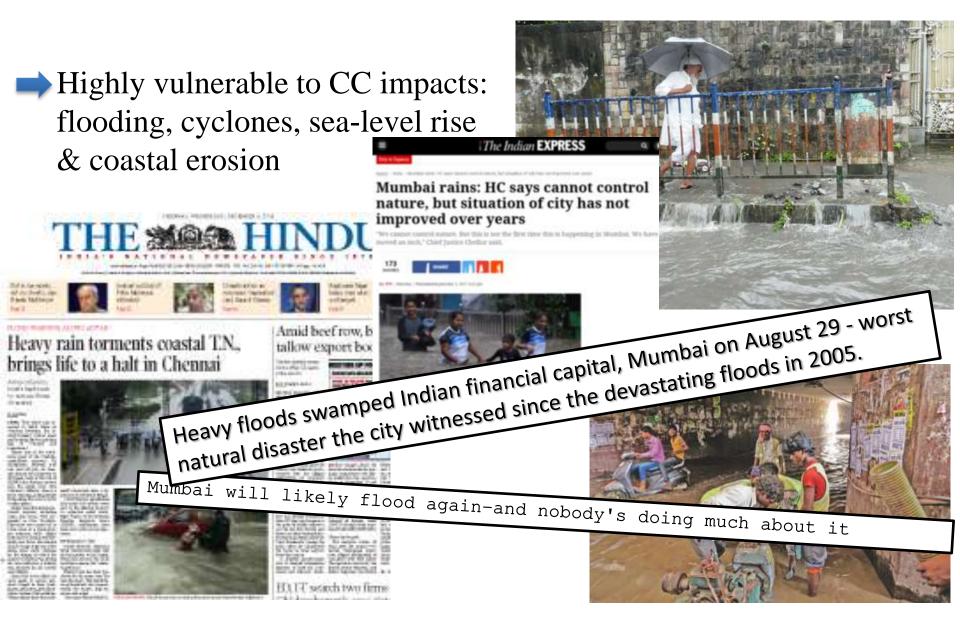
- Engaging with firms of different sizes, including MNC, larger anchor firms
- Intermediary organizations: Chambers of commerce, business association etc.
- Strong private partners: ressources to create awareness, disseminate best practises and facilitate market access for smaller suppliers
- Increased partnership between government & businesses key to enhance efficiency of public/private efforts - e.g. supporting implementation of NAPs.

UNEP DTU PARTNERSHIP Building flood resilience Cities 2018 for MSMEs in Mumbai - Admire programme







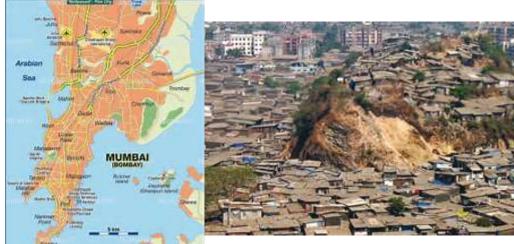






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- Combination physical exposure, poor urban planning & DRM governance









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- Deaths, Loss of property & livelihoods, disruption of economic & social activities, poor health, damage to public infrastructure etc.
- MSMEs key to local & regional economy, neglected in DRM
- Costs incurred borne by MSMEs: No adequate insurance protection or 'climate proofing' of businesses



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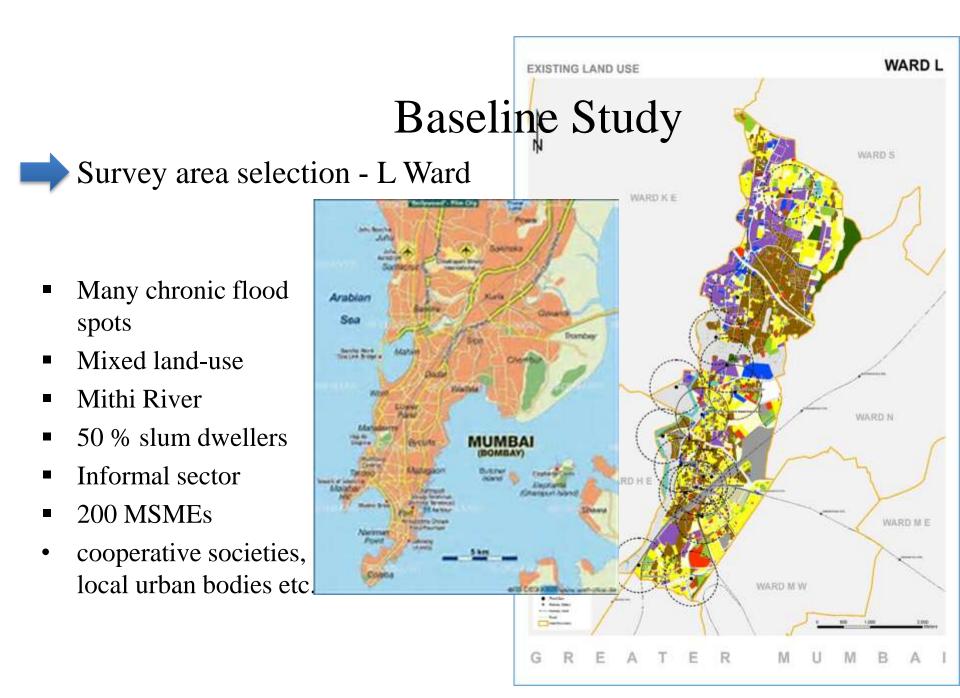
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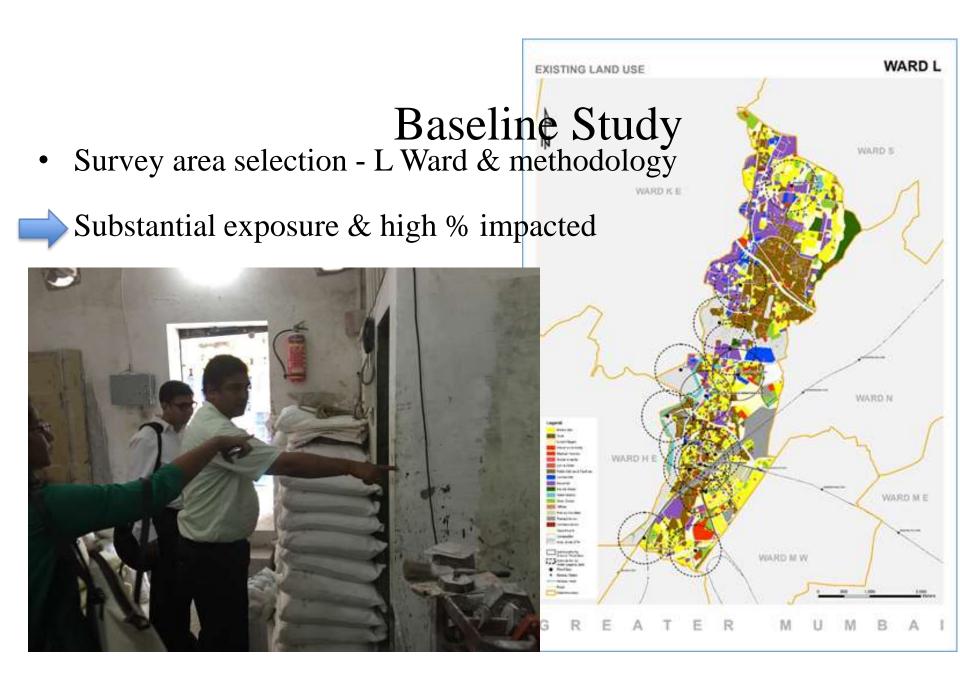


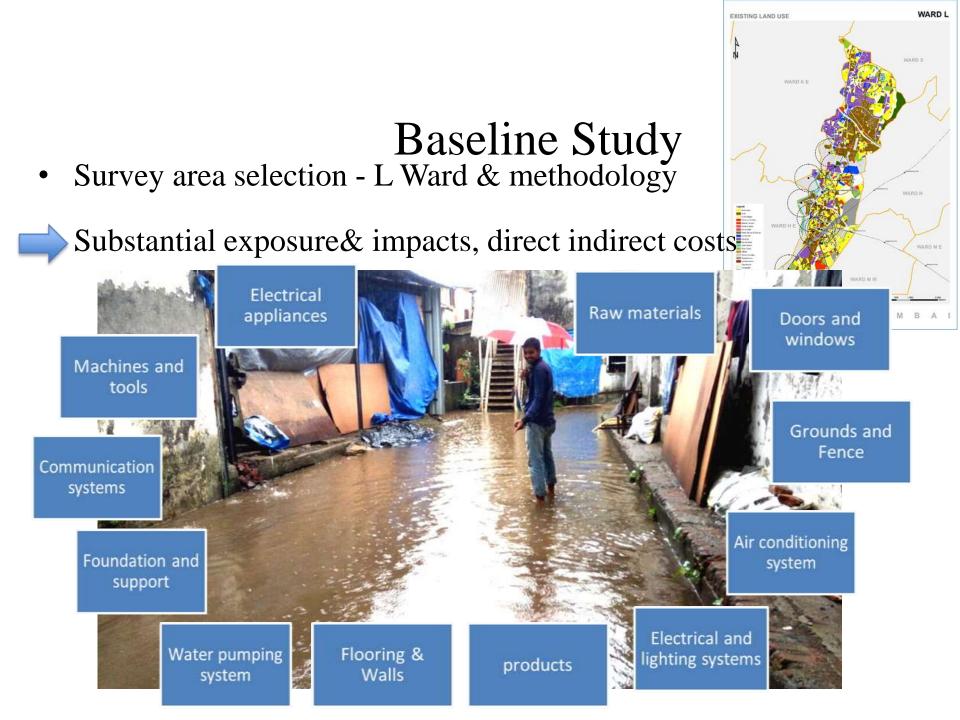
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Baseline Stud

- Survey area selection L Ward & method.
- Substantial exposure & impacts
 - Locally designed stand-alone ad hoc efforts
 - Maladaptation

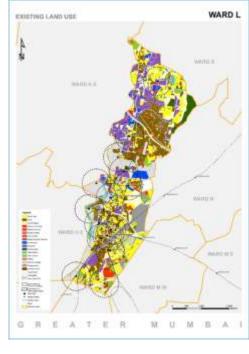




Baseline Study

- Survey area selection L Ward & methodology
- Substantial exposure, damages and impacts
- Locally designed stand-alone ad hoc efforts
 - Maladaptation
- Little knowledge & focus on flood risks & costs
- Lack of trust in local authorities MCGM
- Willingness and interest in addressing floods

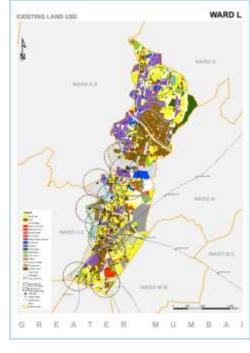




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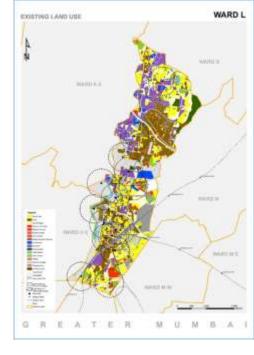
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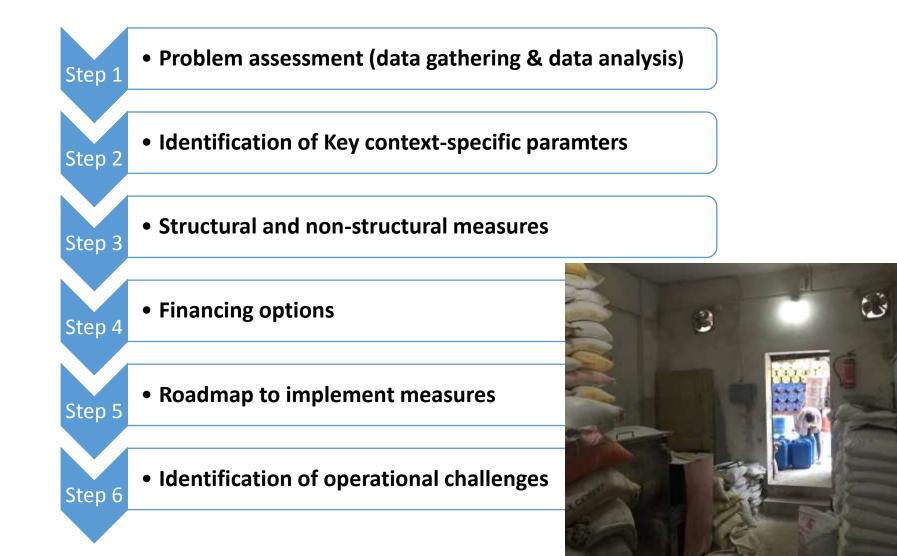
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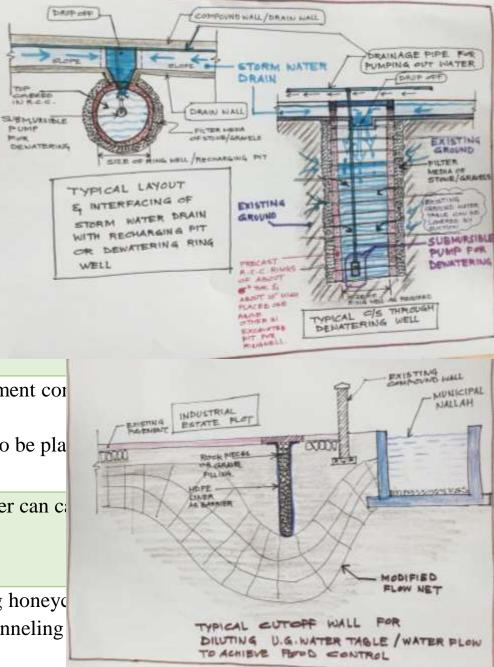


Operational Framework



Struct

	POMP
Cut off channel at threshold	 Type of floor drain co of surface water Acts as a barrier for th
Planned surface drainage and SWD drains	• Constructing surface c excess water in the arc
Sump tank	• Capacity storage of ap ground
Dewatering ring wells and dewatering pumps	 Dewatering well using cement c requirements Specific number of rings to be p
Ground water cut off walls	• Contaminated ground water can bearing columns etc.
Recharging pit	• Recharging pit comprising hone borewell through micro tunnelin



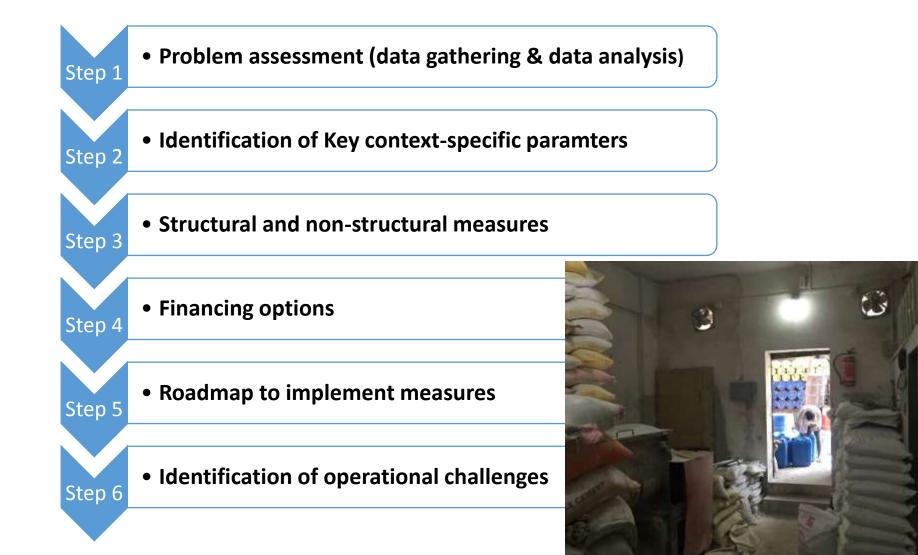


Non structural measures





Operational Framework



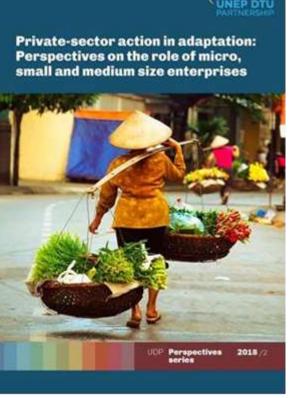


Key Challenges

- How to:
- Upscale and replicate (industrial clusters, other cities, regions, value chain)
- Promote a collaborative approach & avoid maladaptation
- Collaboration between municipal and private actors
- Change of atitudes and behaviours
- Motivation and Awareness raising: From short term approach to CCA & risks to business as usual
- Context specific tools and approaches & based on actual impacts and needs is time/ressource intensive

More information: http://www.unepdtu.org under News

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THANK YOU!

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