



Cost-benefit analysis on climate change adaptation tools

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BBCR Project - Building Businesses' Climate Resilience in Sri Lanka

<https://unepdtu.org/project/innovative-decision-support-tools-for-building-business-resilience-to-climate-change-in-sri-lanka/>

BBCR Project Objective

- To support small and medium enterprises (SMEs) in Sri Lanka building business resilience to climate disaster (mainly focusing on flooding)
- Design a Disaster Risk Management (DRM) tool for the local SMEs – a mobile APP

Project Outline

- October 2018 - May 2021
 - Baseline study (Oct 2018 – Aug 2019)
 - Mobile APP design and piloting (Oct 2019 – Dec 2020)
 - **CBA and market analysis (January 2020 – March 2021)**
 - Mobile APP launch (May 2021)

Relevant tasks for you:

- Investigating the costs associated with a climate adaptation mobile APP, e.g. data licenses and fees, operation and commercials etc.
- Estimating the economic, social and environmental benefits of applying such a APP in Sri Lanka



A business owner is testing the BCCR mobile APP



A business owner is introducing his adaptation measure to the project team

Objective of the thesis

- Exploring cost-benefit analysis (CBA) on climate adaptation measures in general
- Taking case study of the on-going BBCR project led by UDP:
 - Costs associated with a climate adaptation tool (a mobile APP)
 - Benefit of applying the APP, e.g. economic, social and environmental benefit

Examples of research questions:

- What is the status of cost-benefit analysis on climate change adaptation?
- How to estimate costs and benefit of a certain climate adaptation measure?
- What are the challenges and opportunities in facilitating climate change adaptation measures in a given context?

Potential methods:

- Literature analysis (on a general level)
- Data collecting through survey/ questionnaire/interview in the project country (on the case study level)

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