

A better quality of life for all in an urbanizing world

UN CHABITAT FOR A BETTER URBAN FUTURE

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1 | International Workshop on Green Post-crisis Urban Recovery: The Case of Beirut



Challenges & Objectives



Problem Statement

The Beirut Port explosions on the 4th of August 2020 caused devastating damages to both lives and built assets especially in nearby areas such as **Rmeil**, **Medawar and Saifi**. In addition to the blast, pre-existing challenges such as **political**, **financial**, **social and environmental** continue to impact access to **quality public/green spaces** as well as **adequate access to water and sanitation** as highlighted in **SDGs 6 and 11**.

The lack of green spaces in urban settings also contributes to increasing heat Island effect and limits possibilities for drainage. Therefore, swift action with long term value creation should be taken.



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Direct Impact Area





4 | International Workshop on Green Post-crisis Urban Recovery: The Case of Beirut



Project Objectives & Focus Area



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5 | International Workshop on Green Post-crisis Urban Recovery: The Case of Beirut

Socio-Economic & Cultural Considerations

- Earlier post-disaster responses lacked community engagement, or even a people-focus framework.
- The proposed solutions should be supported by the end-users.
- Stakeholders needed for implementation should support the proposed solutions.
- Different interests (e.g. cars vs pedestrians, barowners vs. residents/pavement users).

- The design should include socio-economic considerations such as:
 - Can everyone use it?
 - Does it fit with people's behaviour?
 - Will it be used the way it was imagined? (e.g. are green spaces not used for trash disposal? And how can this be prevented?)

Project: Community-driven water sensitive urban design guidelines for the affected areas of the Beirut Port blast

Overview: Lebanon has been already facing many challenges namely political, financial, social and environmental. This project aims at offering a Building Back Better (BBB) approach to post-disaster recovery. The main objective is to give guidance on how to create climate resilient, safe and inclusive communal spaces for Beirut's most affected neighbourhoods of the August blast.

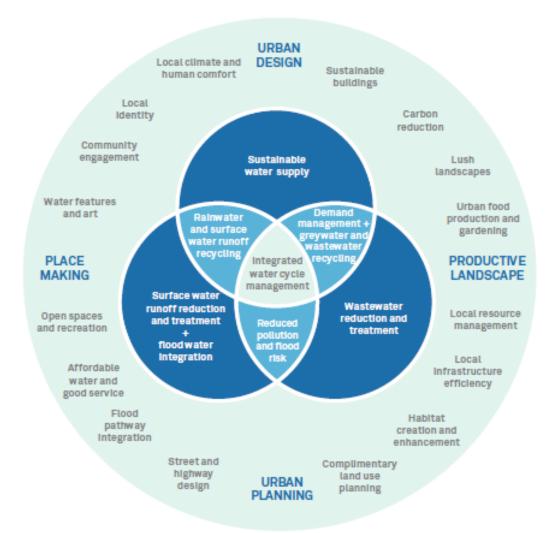


Water Sensitive Urban Design (WSUD)



The Big Idea

Water Sensitive Urban Design (WSUD) is a multidisciplinary planning approach, which aims at integrating effective water management within the boundaries of the urban built environment, considering all aspects of water cycles.



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General Guiding Principles

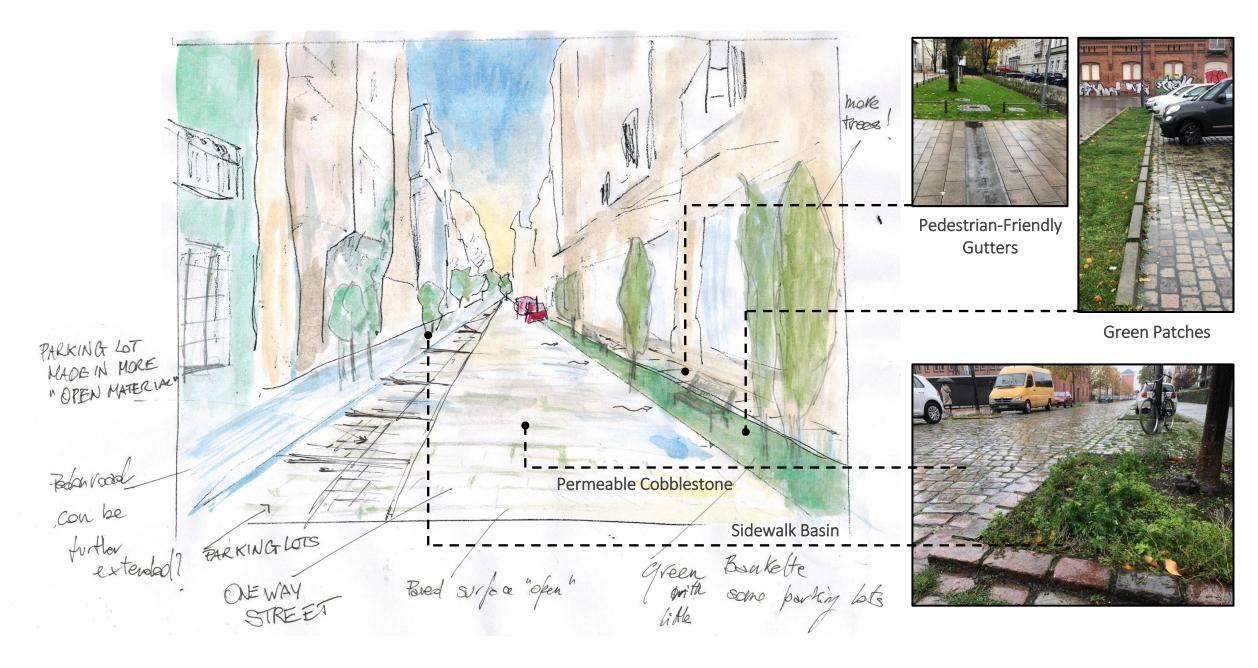
- Promoting conservation of water resources through reuse and system efficiency (distribution and disposal)
- Restoring the urban water balance by maximizing the reuse of storm water and recycled water
- Protecting and enhancing water bodies and their quality within urban environments
- Sustainable storm water management focusing on increasing city retention and adsorption.
- Integrating water into the landscape to enhance urban design as well as social, visual, cultural and ecological values; and
- Easy and cost-effective implementation of WSUD allowing for widespread application.

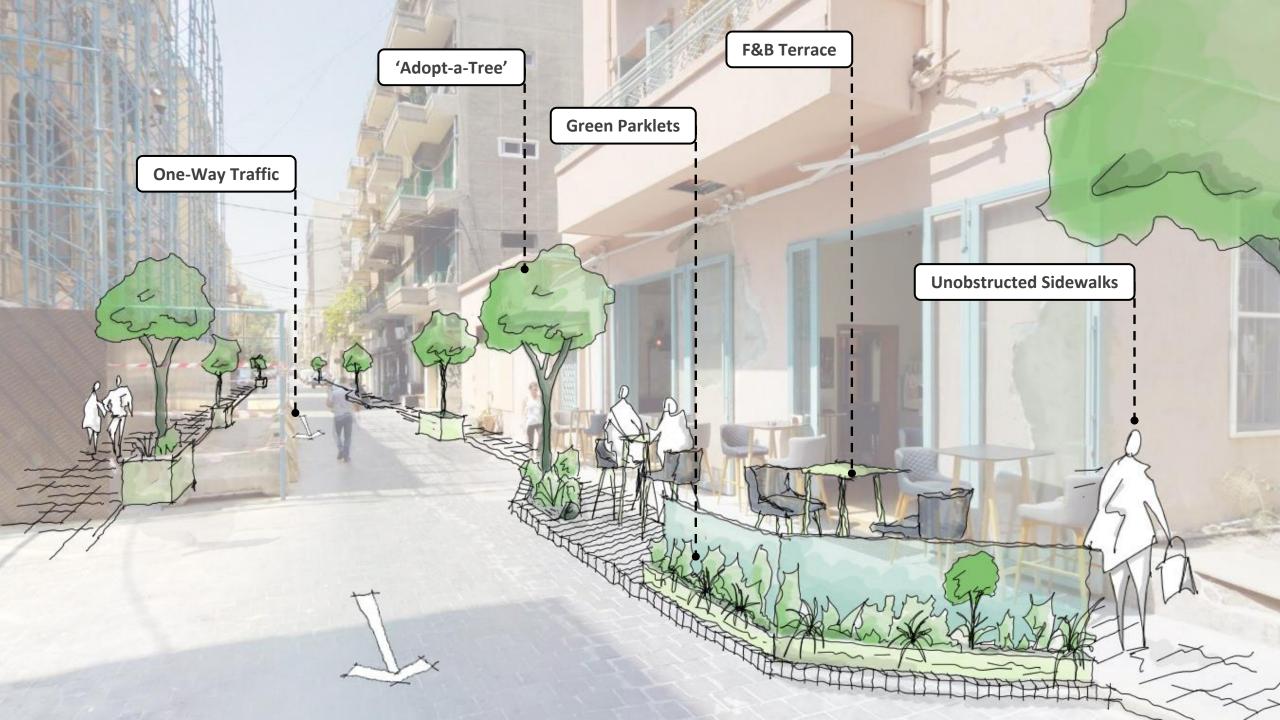




Proposed Solutions







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Water Features/Channels



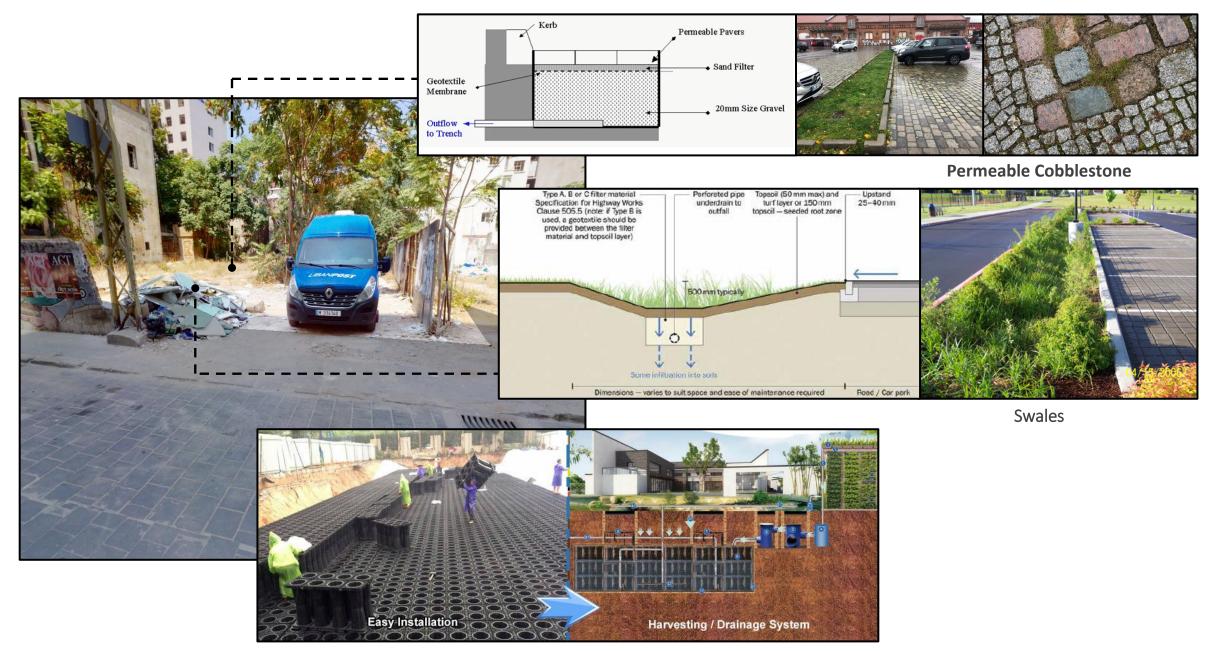
Identity / Communal Space



Landscape Basins/Seats

Detailed Sketch

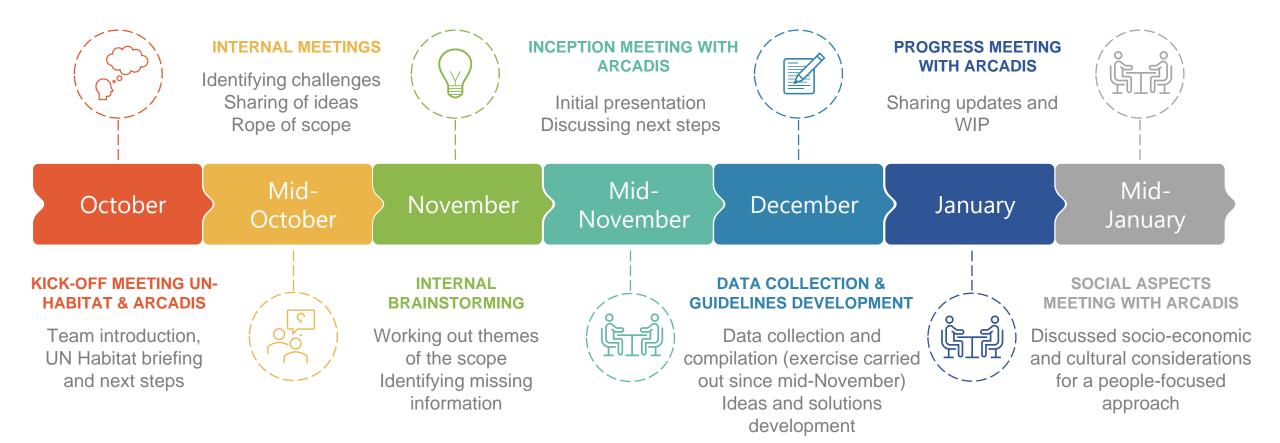
St. Nicholas Stairs Sketch



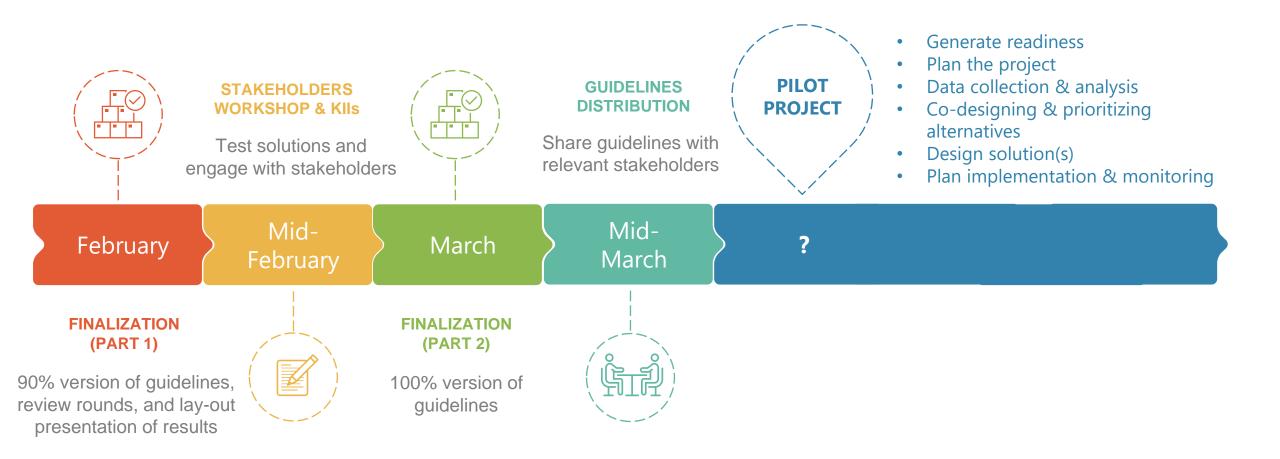
Underground Water Detention Tanks

Project Timeline















Thank you

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