RAIN HARVESTING AND WATER RECYCLING IN A NEIGHBORHOOD IN RAS BEIRUT

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THE PROJECT COVERS FOUR MAIN AREAS

1. Feasibility

Interview Scheme:
- 10 residents and developers. Residents’ water needs, concerns and willingness to incorporate RHS in their homes.
- No clear statistical relevance due to the small and deliberate sample because choosing quality over quantity was essential.

Interview Results

Residents: Aware of Have Drainage Systems Careful About Rainwater Storage Rainwater Conveyance Residents’ water needs, concerns and willingness to incorporate RHS in their homes.
- No clear statistical relevance due to the small and deliberate sample because choosing quality over quantity was essential.

2. Design

General Design Guidelines
- Harvested water = 0.55 m\(^3\)/m\(^2\)/y of capturing area/year (taking losses into account)
- Availability of storage space: storing water that is collected during the wet season and stored for irrigation purposes during the dry season.