



Country / City United Kingdom. London
University / School Kingston University . School of Art
Academic year 2017-18
Title of the project A Sustainable Memnagar Lake
Authors Louise Koopmans



PERFORMATIVE NATURE

Barcelona International Landscape Architecture Biennial

September 2018 **Barcelona**

SCHOOL PRIZE

X International Landscape Architecture Biennial

Máster d'Arquitectura del Paisatge -DUOT - UPC
ETSAB- Escola Tècnica Superior
d'Arquitectura de Barcelona
Avenida Diagonal, 649 piso 5
08028 Barcelona-Spain

TECHNICAL DOSSIER

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|---|---|
| Title of the project | A Sustainable Memnagar Lake |
| Authors | Louise Koopmans |
| Title of the course | Master in Landscape and Urbanism |
| Academic year | 2017-18 |
| Teaching Staff | Fenella Griffin, Inigo Cornado, Christoph Lueder, Felipe Lanuza, Laure Baretaud |
| Department/Section/Program of belonging | School of Art - Landscape and Architecture - MA Landscape and Urbanism |
| University/School | Kingston University- School of Art |

The proposal tackles the two major factors influencing the site, which are rubbish contamination and water management and decontamination. The renewed design looks to create a community through the recycling process and create a new economy within it. This will remove and eliminate the current waste with the reservoir. The production and vending of products created with waste materials will encourage a continuous cycle of involvement of people within the site and give a sense of ownership and community. Through this the park and lake area will become less vacant and stimulate further recreational use as well. By inviting the interaction and recreation within the area the site will be less prone to people abusing it. Social control and education will hopefully eliminate rubbish being disposed in the wrong locations as well as any other undesirable activities.

The existing reservoir will be transformed in to multiple terraces that are predominately of permeable surfacing. The load bearing walls are of gabion structure filled with material from the existing hard surfacing within the reservoir. It will make a significant contribution to the long-term sustainability and water quality within the direct area. The altered surfacing, improved water quality and increased vegetation will allow for the pre-existing biodiversity to return. Each terrace layer has different qualities and characteristics including both wet and dry vegetation to maximise filtration, weather resistance and user experience. The increase in vegetation and conservation of long-lived tree species will improve the local air quality.

For further information

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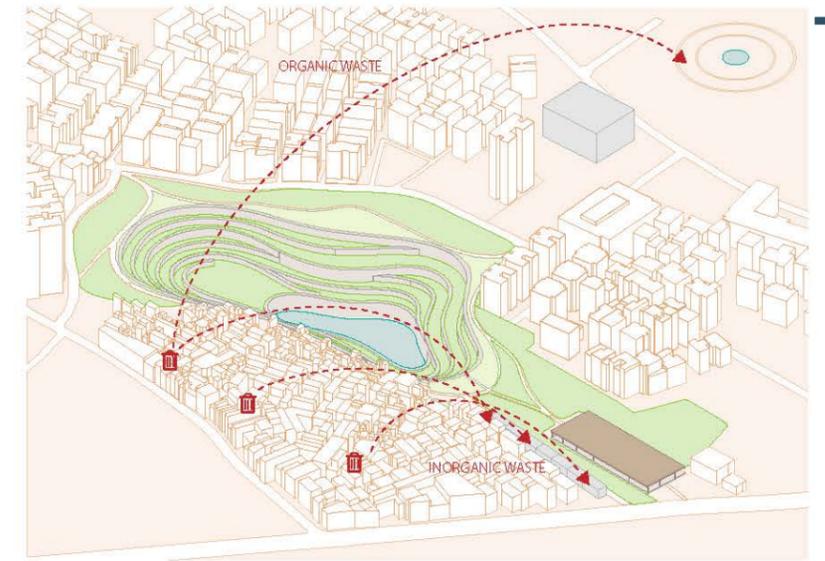
T: + 34 93 401 64 11 / +34 93 552 0842

Contact via email at: biennial.paisatge@upc.edu

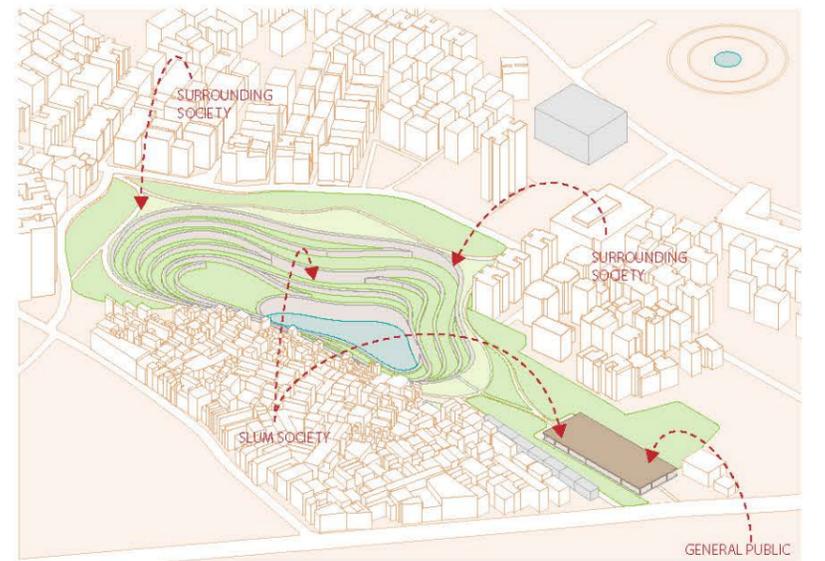
Consult the web page <http://landscape.coac.net/>



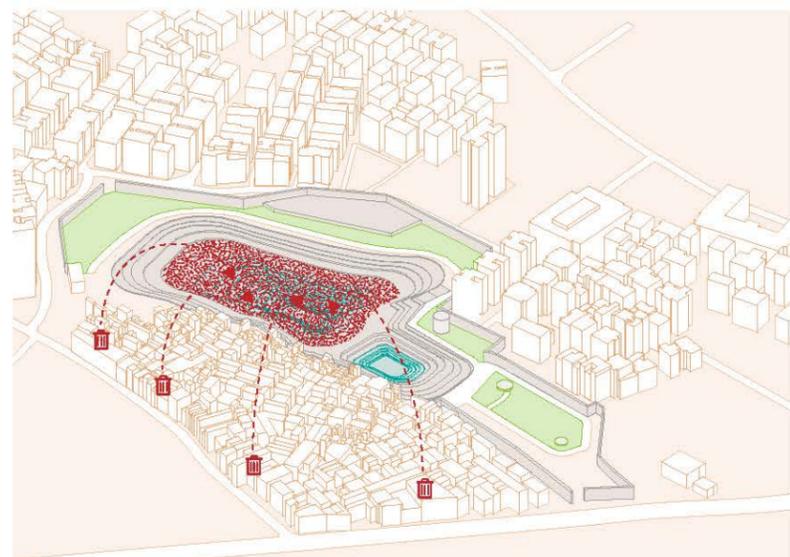
STAGES OF PROPOSAL IMPLEMENTATION



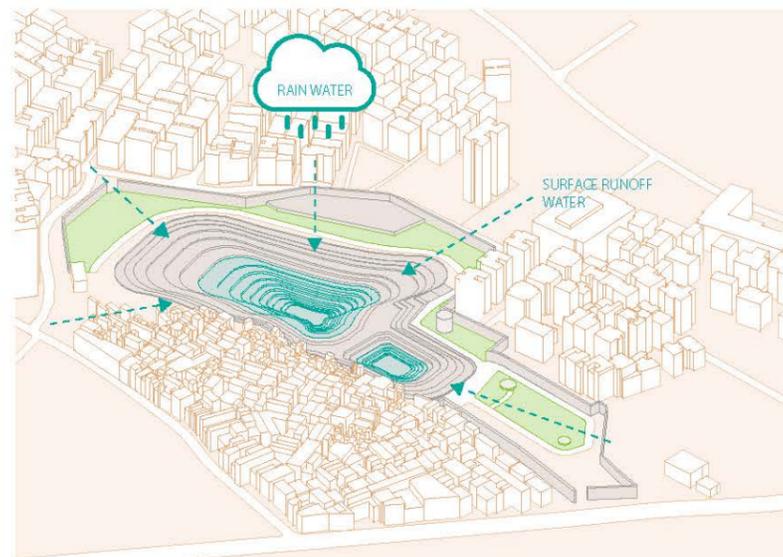
TRASH FLOW PROPOSAL



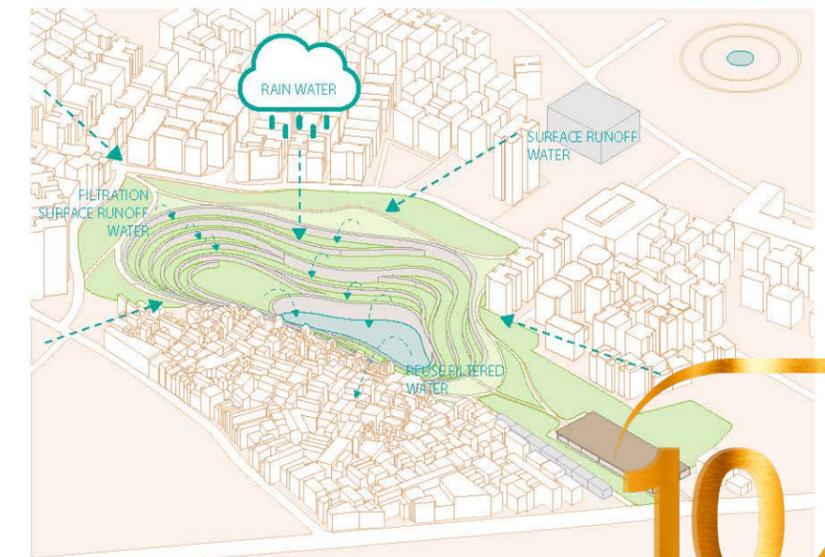
ACCESS PROPOSAL



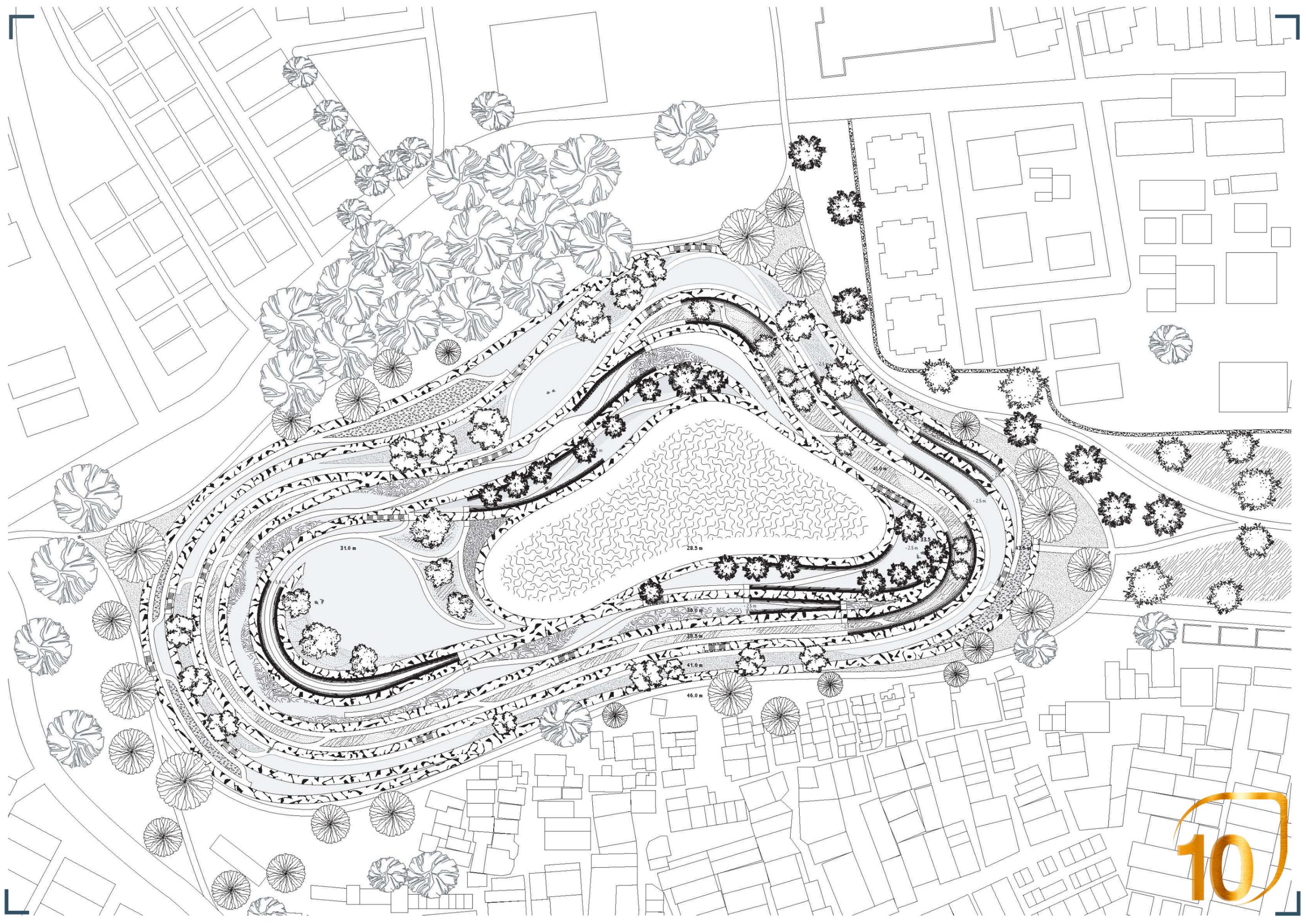
TRASH FLOW EXISTING



WATER FLOW EXISTING



WATER FLOW PROPOSAL





WINTER



MONSOON



SUMMER