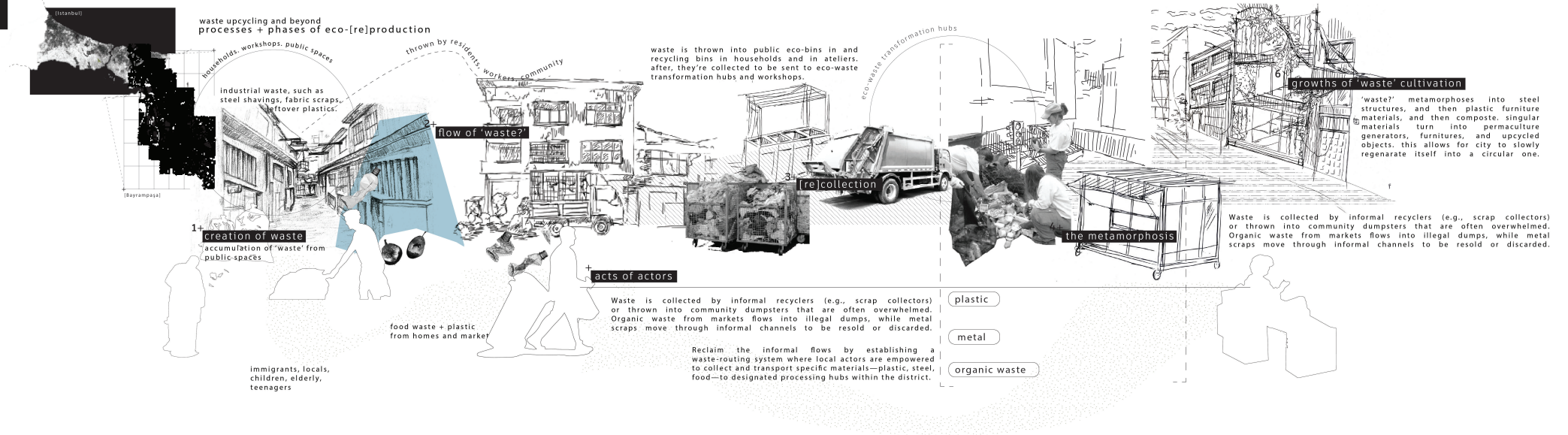


# [re]process in bayrampaşa



Country/City  
University / School  
Academic year  
Title of the project  
Authors

Turkey, Istanbul  
Istanbul Technical University  
2023-2024  
[re]process  
Begüm Özcan

## TECHNICAL DOSSIER

Title of the project ..... [re]process  
Authors ..... Begüm Özcan  
Title of the course ..... Landscape Design IV  
Academic year ..... 2024-2025 Fall Term  
Teaching Staff ..... Prof. Dr. Gülşen Aytac, Res. Assist. Başak Akarsu Akdemir  
Department / Section / Program of belonging ..... Faculty of Architecture / Landscape Architecture  
University / School ..... Istanbul Technical University



The concept of "eco-[re]production" in Bayrampaşa revolves around upcycling as the backbone of a circular and resilient urban system. Bayrampaşa's urban fabric reflects a mix of historical infrastructure and contemporary urban pressures, making it particularly vulnerable to environmental and infrastructural challenges; this focus on upcycling as "eco-[re]production" directly addresses Bayrampaşa's vulnerabilities, such as poor waste management and flood risks, while embedding resilience into its physical and social infrastructure.

Waste, traditionally seen as a byproduct of industrial and residential activities, becomes a **resource for transformation**. Instead of discarding materials or relying on waste-burning systems, the project introduces a network of upcycling facilities integrated into the urban fabric. These facilities repurpose industrial and household waste into new materials, products, and even structural elements, creating an interconnected cycle of reuse and renewal. This system reduces dependency on external waste management solutions and turns Bayrampaşa into a self-sufficient urban ecosystem. Upcycling becomes not just a technical solution but also a community-building strategy.

### Barcelona International Landscape Biennial

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The diagram illustrates a process flow. It begins with a box labeled 'new water systems' which leads to a box labeled 'transition zone'. From the 'transition zone', an arrow points to a final outcome: 'spills of chemicals during a flood can contaminate soil and ecosystem, posing threat to peoples health.'

This space focuses on creating a new dynamic within Bayspring, where people work together towards a disaster resilient city, made by being circular and self-sufficient.

technic goods market

organic waste education space

herbal plant cultivation space

urban farm module

education waterway

temperature build space is used as a market where festivals take place. The space can sell their products. Food created from waste, this area holds daily workshops on making compost and other materials.

**+disaster scenario**

structurally, the vertical program made out of corten steel becomes stronger with usage, wear and feel. during a disaster, the space can be closed spaces become gathering places, and in some scenarios, provide food for evacuees while they are sheltered.

education walkway creates 'aka the scaffolds' become an evacuation route to safety and they create lines of communication and communication between small squares where people will gather.

view 2 **program layering**

education walkway creates a 'nodes' mass transition from recreation zone all the way to 'cell' or 'zone'. it is a manifestation of processes + phases 1-5 ste.

[illegible]

the concept of upcycling in muratpaşa manifests itself as an interconnecting bridge system that follows the phases and zones of urban upcycling, this bridge becomes an education walkway that teaches people about recycling and upcycling, which is supported by connecting workshops and atelier modules.

Diagram illustrating the potential for chemical spills during a flood, showing various land uses and infrastructure (e.g., gas lines, chemical leaks, mixed use, green fabric, heavily residential fabric) that could be affected or contribute to the spill.

[illegible]

green corridors

mixed use development

hybrid housing

improved public transportation

dense, continuous, circular routes