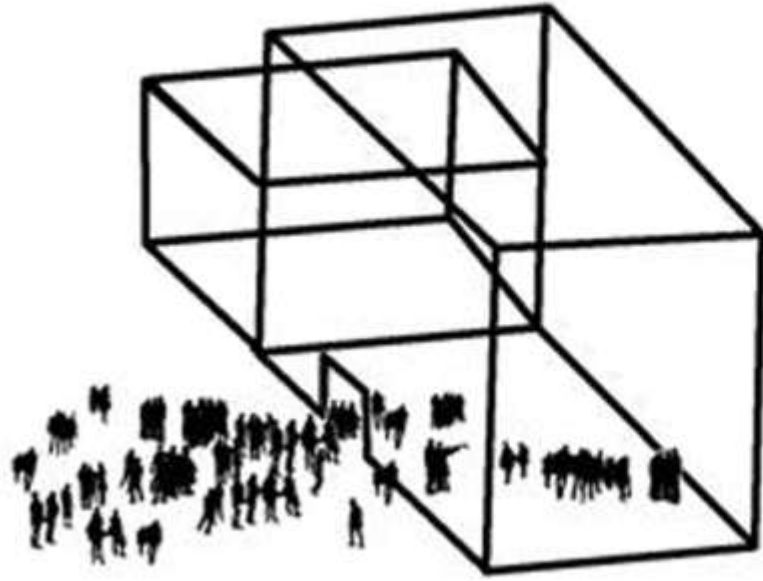


Social and Community Sustainability



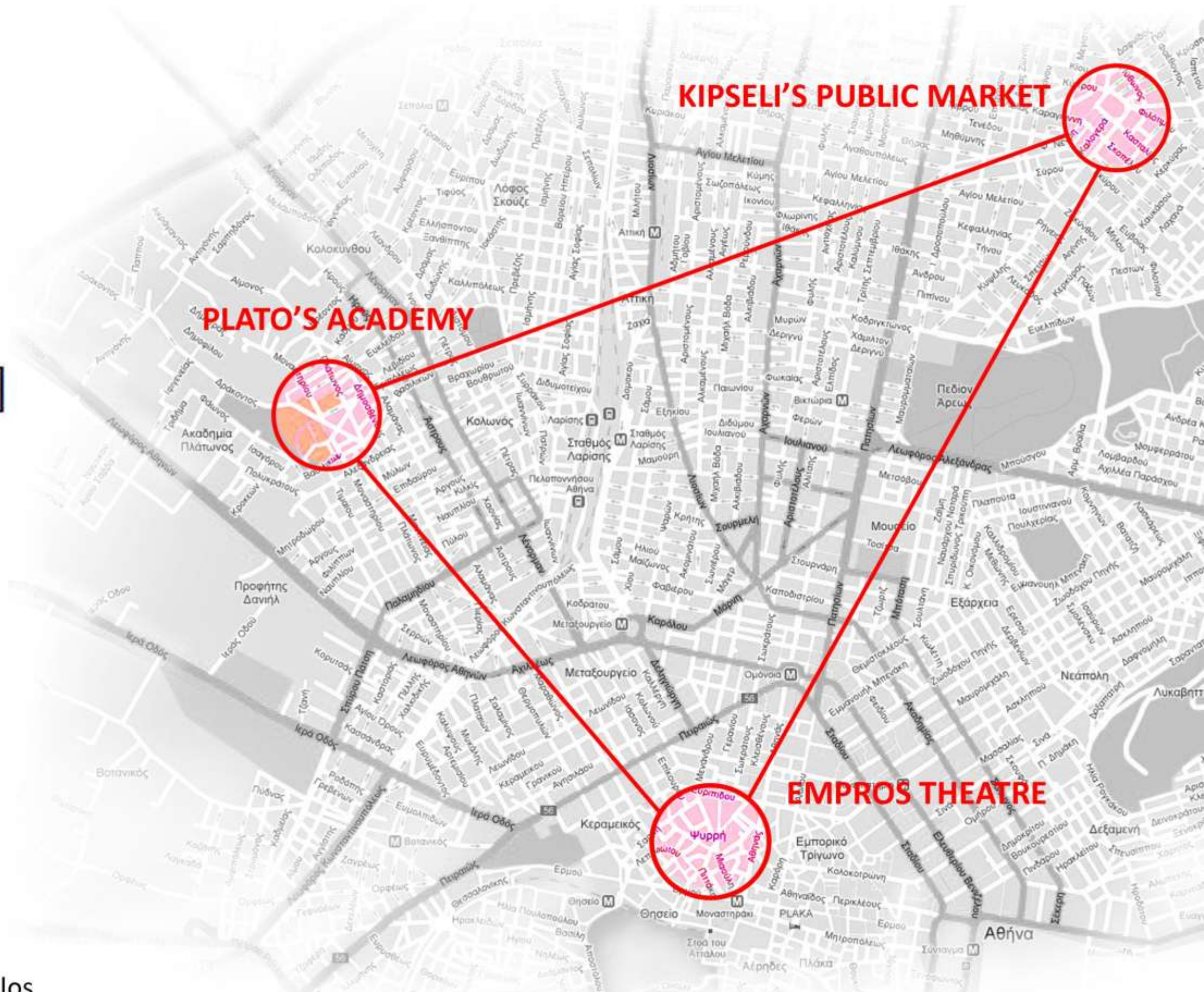
[at times of emergency]

- Social Sustainability
- Emergence
- Resilience



Workshop leader: Nikos Anastasopoulos

Workshop members: Anthonla Kokoliou, Despoina Christoforidou, Michael Takopoulos, Arianna Mehili, Eleftheria Touloupaki



PLATO'S ACADEMY

- Archaeological monuments
- Public area - park
- Low rise buildings, neighborhood feeling
- Degradation, inhabitants of low income

Kafeneo: **EMERGENCE** place for **socialising**, where new **cooperational, ecofriendly** and **self-sustained mutual economy** is being promoted



KIPSELI'S CENTRAL MARKET

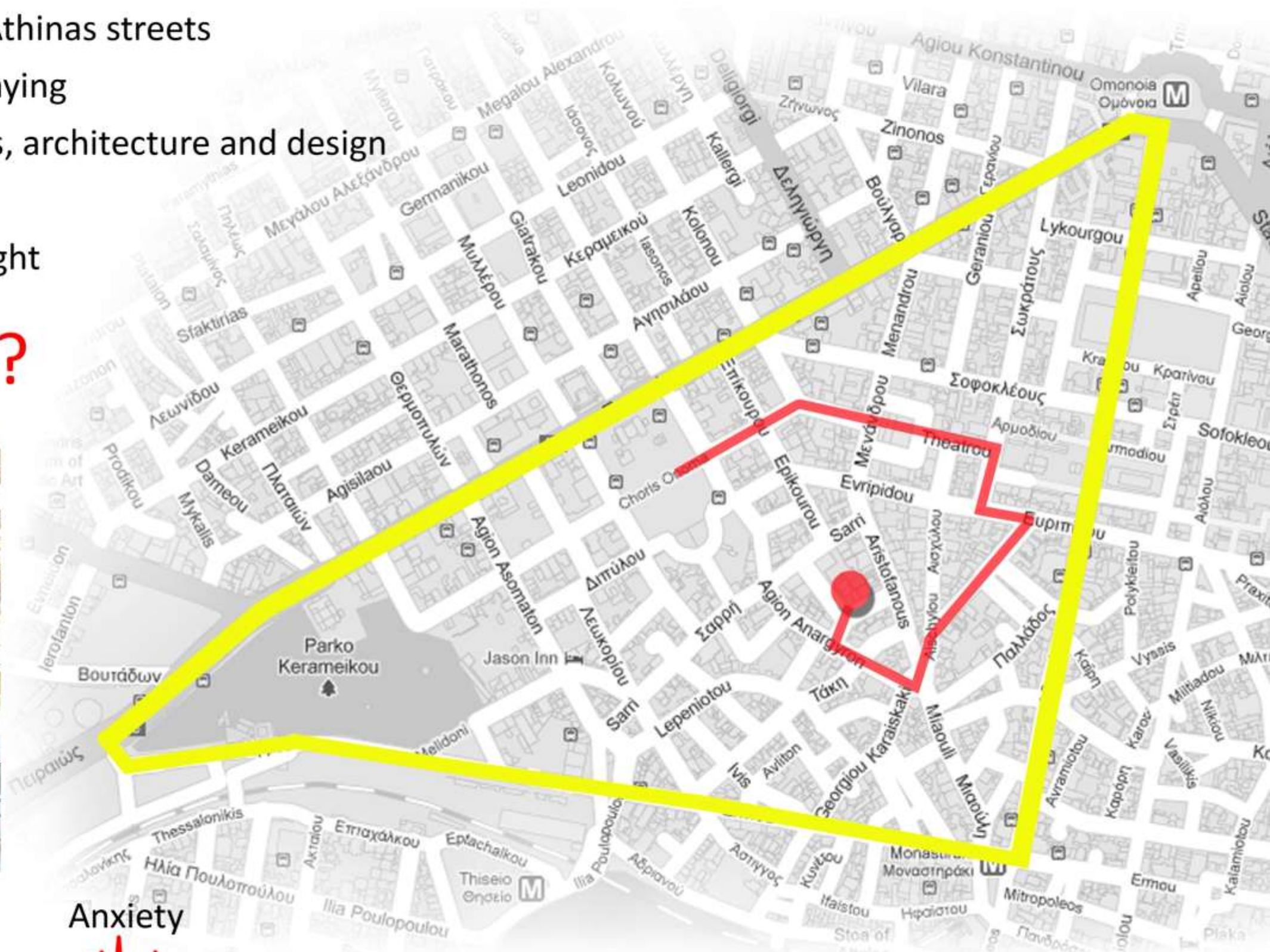
- Dense building
- Historic urban neighborhood
- Located at Kipseli's city center, it functions as a hub
- Family residences of immigrants in the area
- Local community movement and gatherings

Market: **EMERGENCE** is growing to become hub, a space of **political, cultural and educational expression**



EMPROS THEATRE, Psyrri

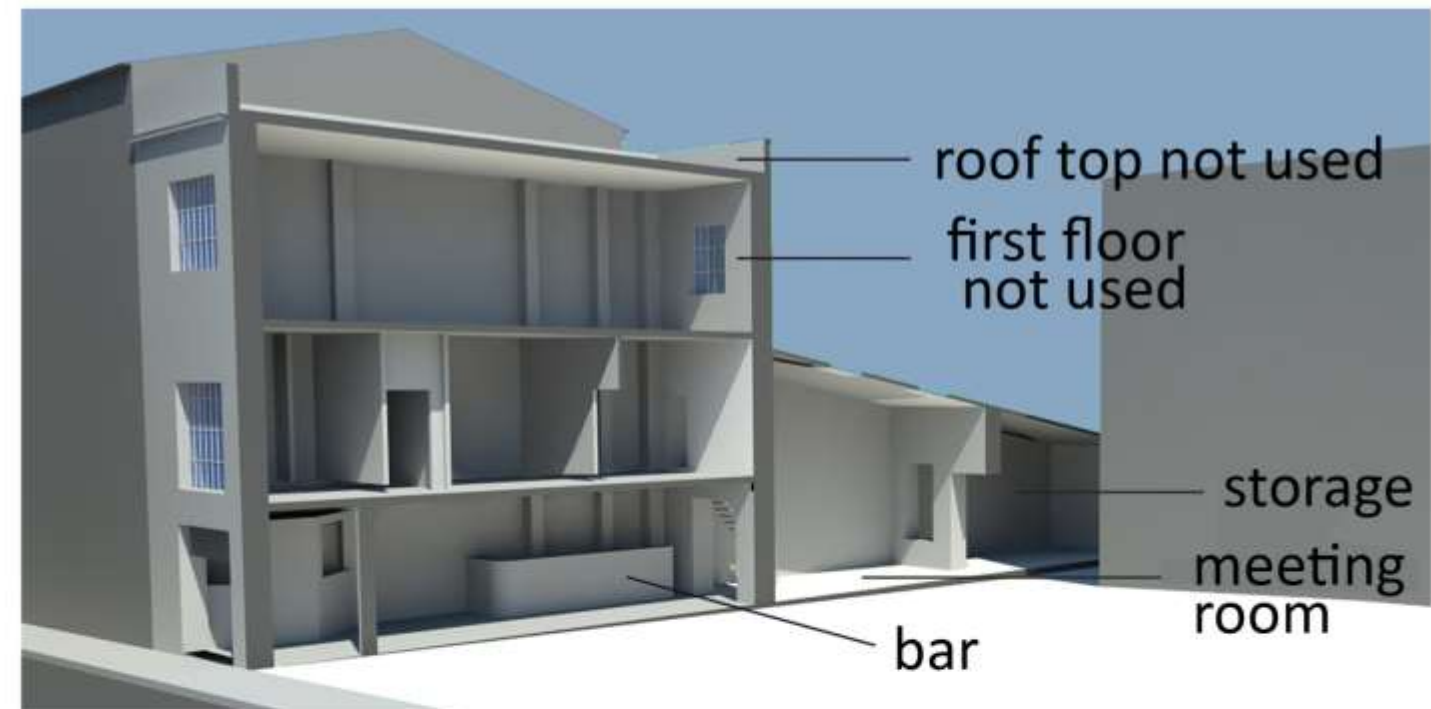
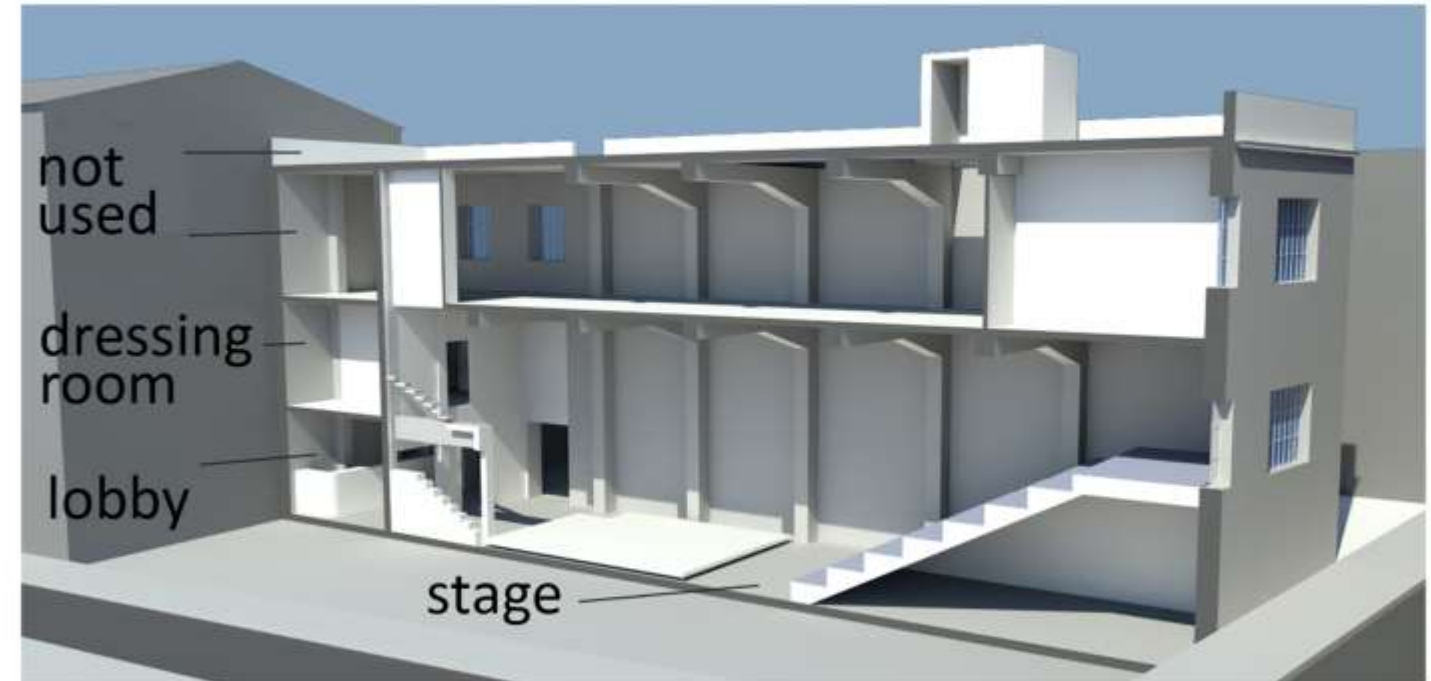
- Triangle of Peiraios, Ermou and Athinas streets
- Degradation: urban fabric is decaying
- Offices of creative work: graphics, architecture and design
- Nightlife that is descending
- Intense transition from day to night
- Empros theater: **EMERGENCE ?**



EMPROS THEATRE, Psyrri

- Built in 1933 as a printing office
- In 1988 it was redesigned as a theatre by Takis Fragkoulis & Antonis Dagklidis
- It was one of the most significant performing and artistic spaces in central Athens
- It was closed by the Ministry of Culture in 2006
- Opened in 2011 by the 'Kinisi Mavili' collective to be used as a space for creative expression for performers, artists and the community at large

Empros theater: **EMERGENCE** new social structures, place for communication of knowledge and social expertise, which is suggesting new typologies of creative work, independent from the needs of the market.



AIMS

1. To connect the concepts of **SOCIAL SUSTAINABILITY**, **EMERGENCE** and **RESILIENCE**
2. To identify **EMERGING** structures and how individuals and elements adjust within the new structures (RESILIENCE)

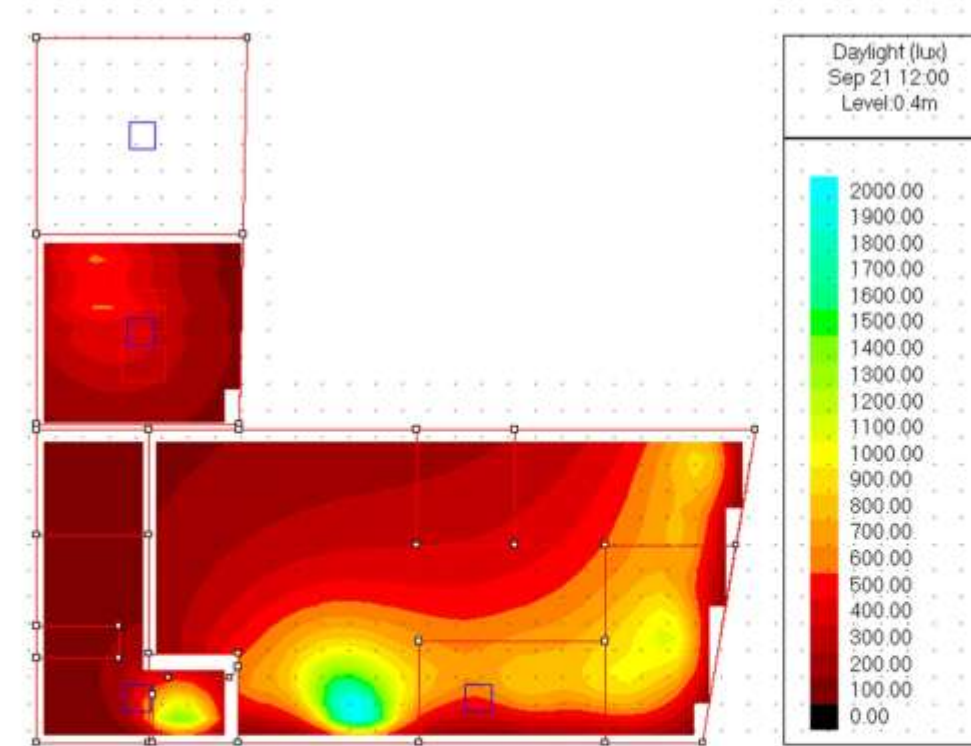
STRATEGY : application of the principles of *Permaculture* onto the existing building

RESILIENCE is expressed by the uses: by assigning different uses the building becomes available for more groups

EMERGENCE through the design a new space is given for new creative activities to emerge, which *is* by itself **SOCIALLY SUSTAINABLE**

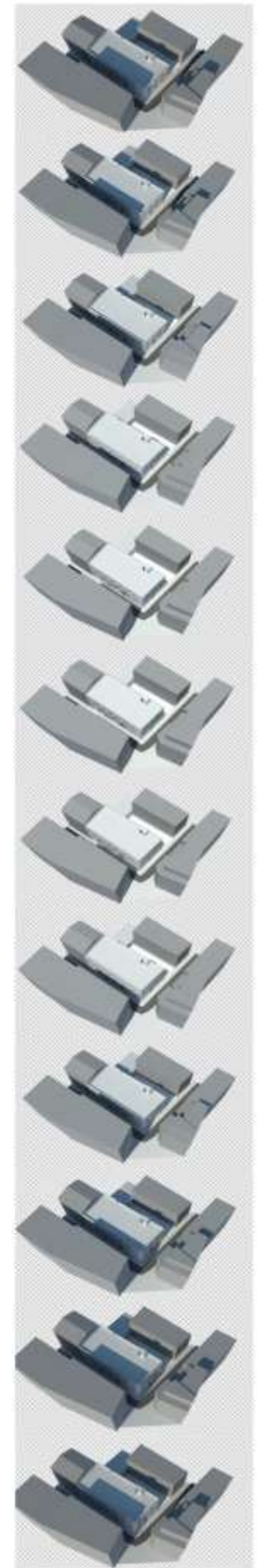
Permaculture principles used (proposal):

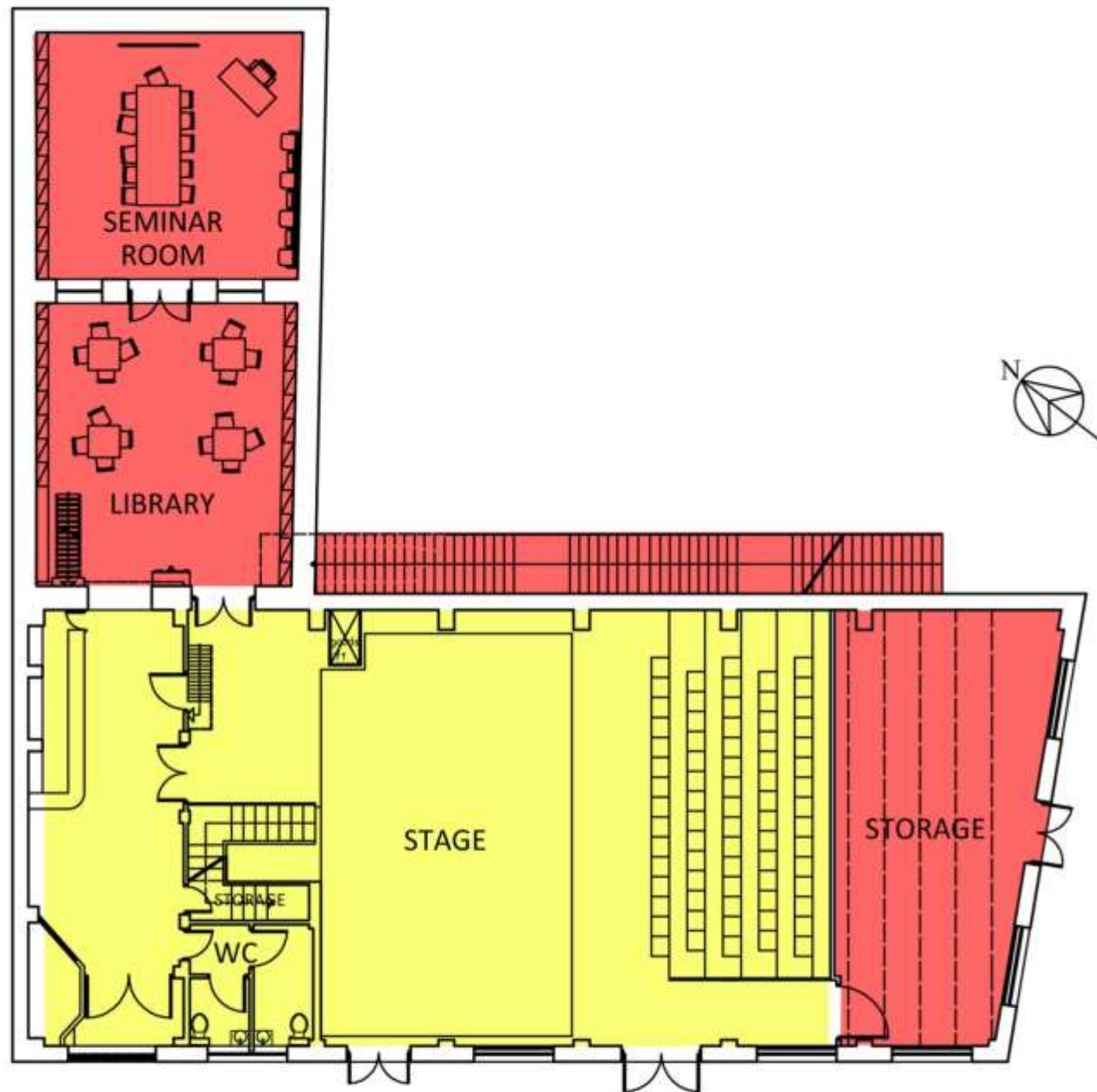
1. Observe and interact: sunlight, wind, rain, microclimate
2. Catch and store energy: photovoltaics, grey water use
3. Apply self-regulation and accept feedback
4. Use and value renewable resources and services
5. Produce no waste
6. Design from patterns to details
7. Integrate rather than segregate
8. Use small and slow solutions
9. Use and value diversity
10. Use edges and value the marginal



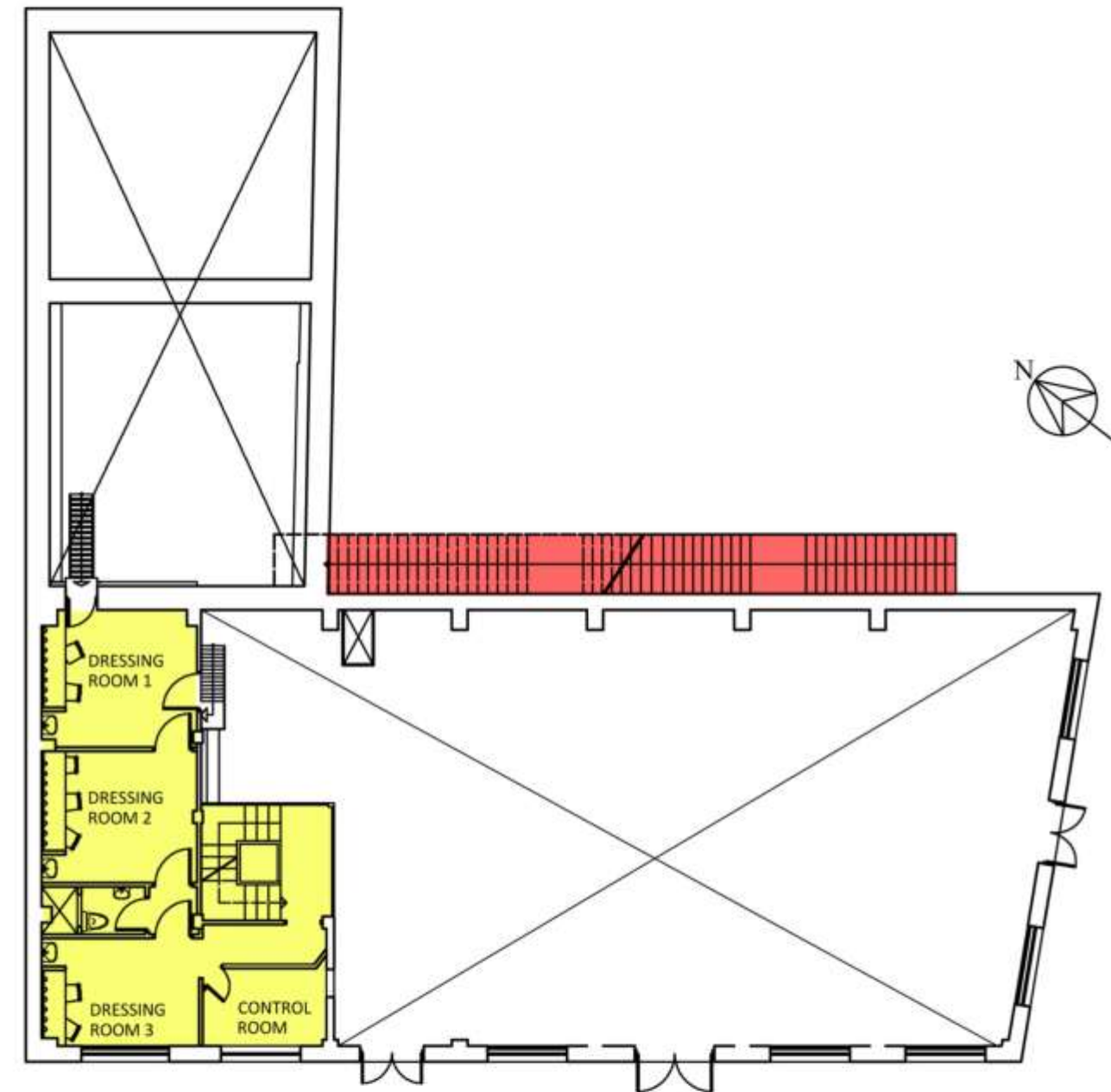
Daylight simulation with IES

Shadows casted at 12am for each month of year 2012





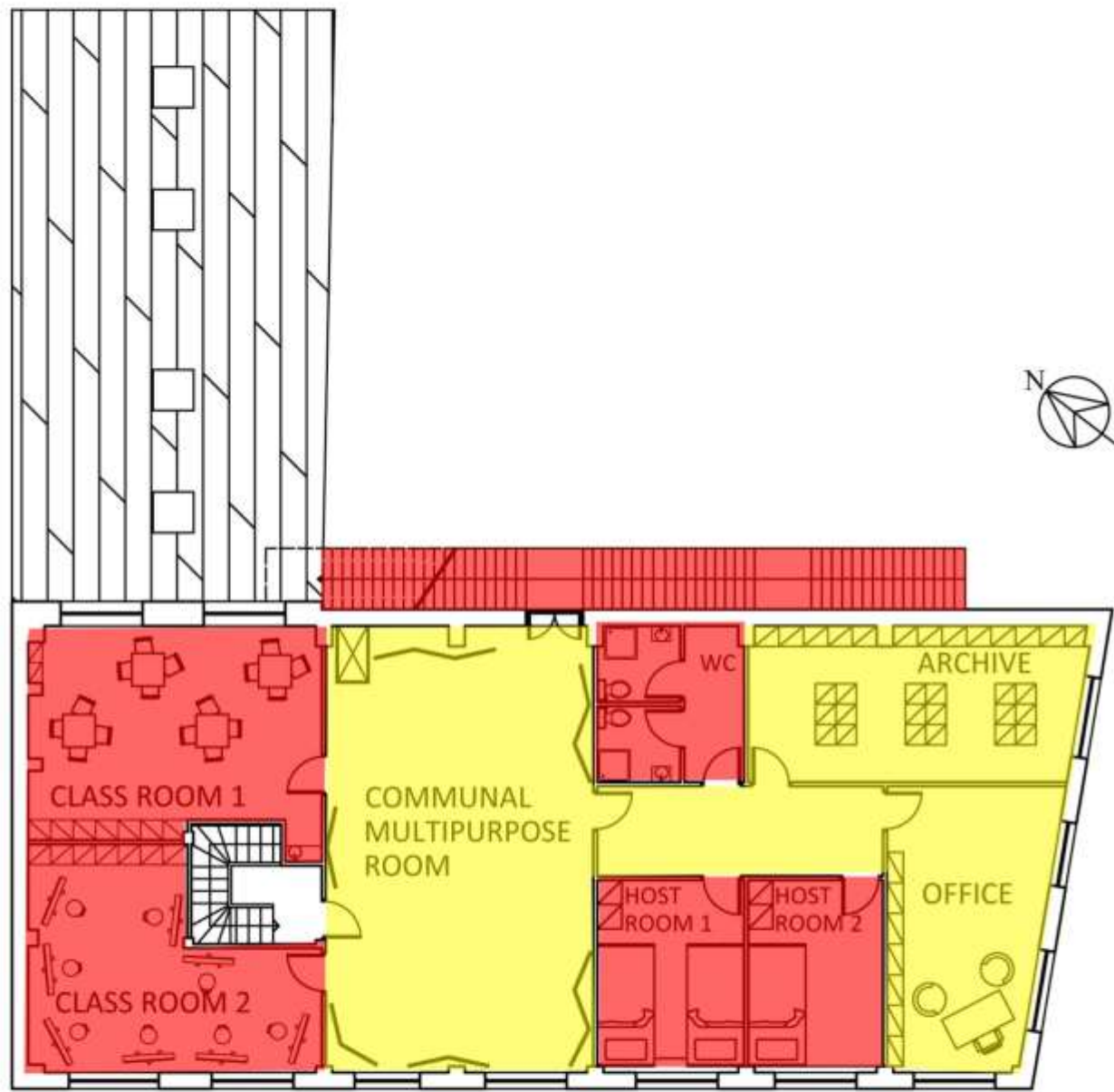
Ground floor



Mezzanine

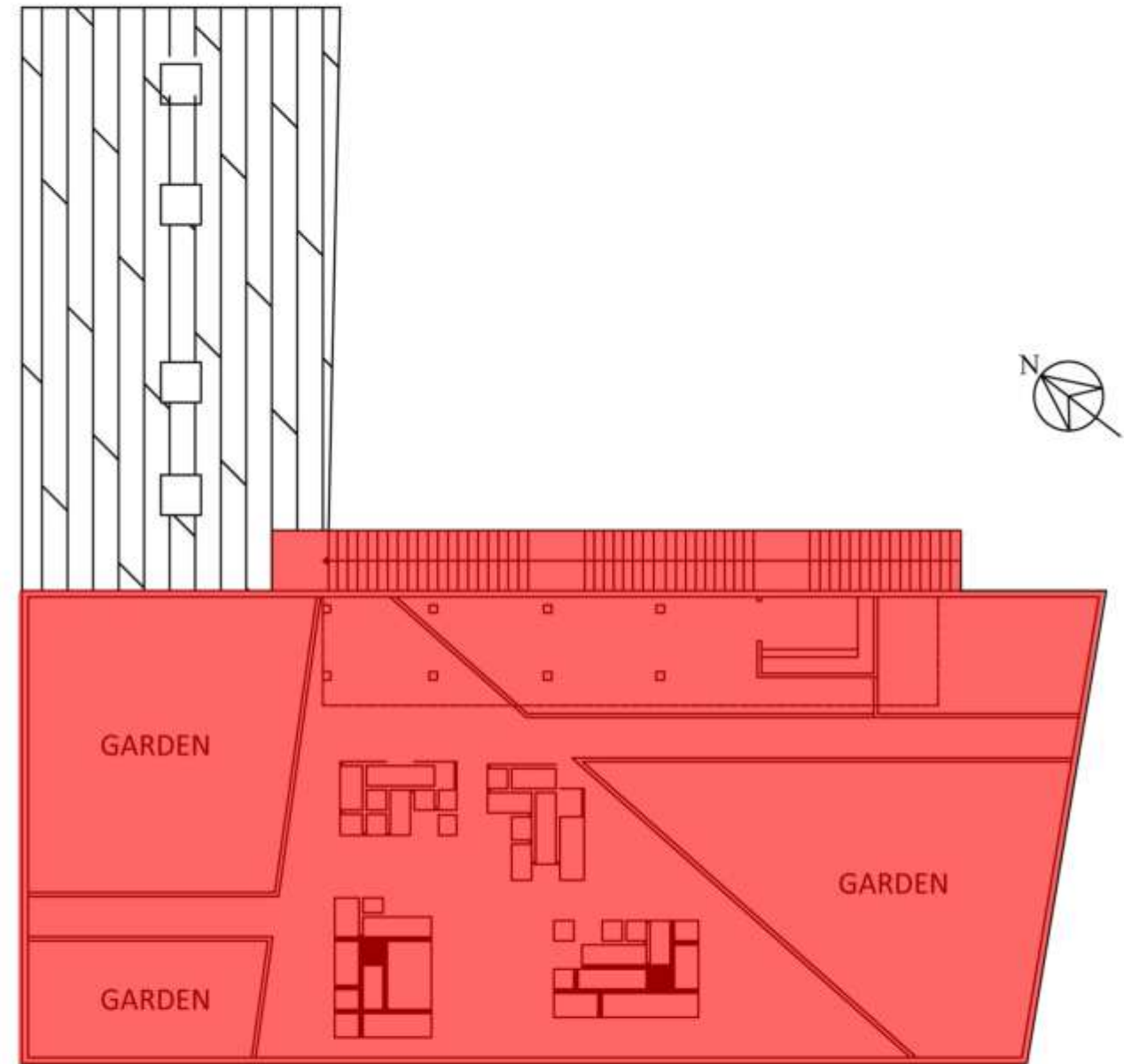
- redesigned
- reused

- After assessing the needs of the larger community and the environmental potential of the building we proposed uses of communal gain, such as library, seminar room, classrooms and uses for the theater such as storage, dressing rooms, theatrical archive and host rooms.



First floor

-  redesigned
-  reused



Roof top



The façade is divided in horizontal levels guided by the windows

- The upper level (roof top) is colored in order to emphasize the green roof
- The upper windows' level has a flexible character, exhibiting temporary artists' work
- The ground level is offered to the public for artistic exploitation



- Thick layer of Insulation added to the external walls
- Windows are replaced with double glazing matching ones
- Horizontal, aluminum venetian blinds are adapted to them, in order to reduce the thermal mass entering the building

- The roof top is transformed to a roof garden with a system for collecting rainwater
- The roof also hosts 60 sq.m. of photovoltaic panels

As a conclusion, sustainability doesn't address only environmental issues, but also refers to the **social aspect of our lives**.

Keep **eco**-socializing!

Thank you for your attention!