

# GREENERY vs ASPHALT

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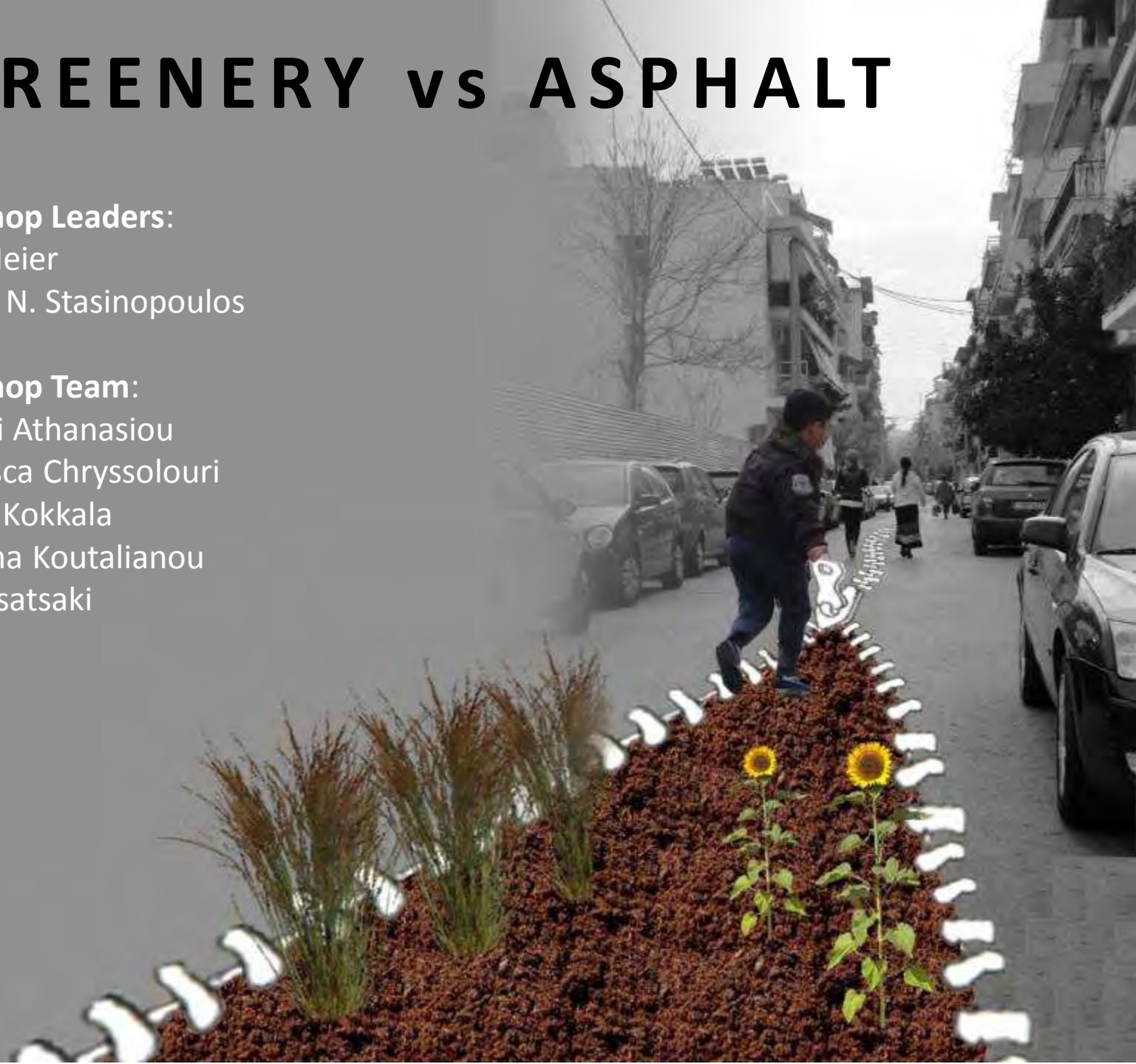
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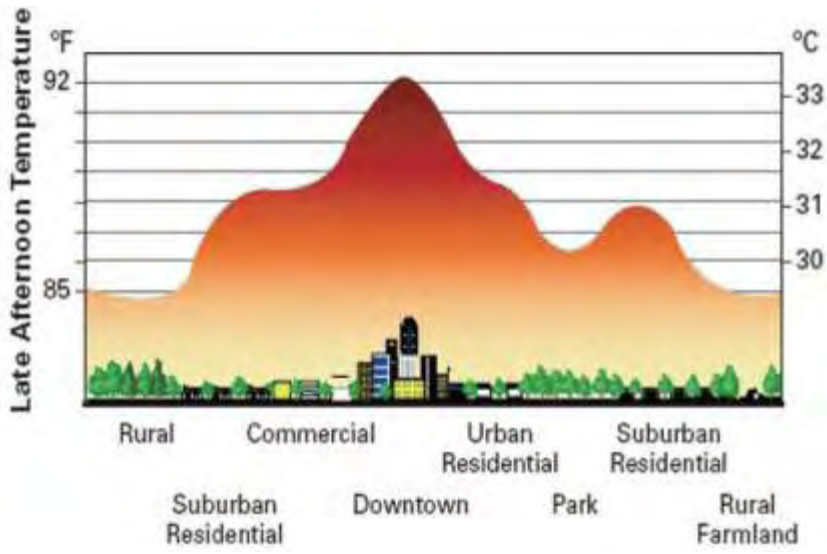
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# “Asphalt- cement City”: common problems



**The Urban Heat Island phenomenon**



**Floods- Urban Streams**



**Akadimia Platonos: current situation**



# Design Objectives

- Vegetation  
Add as much as possible including wild/indigenous vegetation
- Ground  
Increase water permeability
- Traffic  
Increase pedestrian areas, restrict car dominance
- Community  
Enhance social ties & interaction leisure (urban farming)

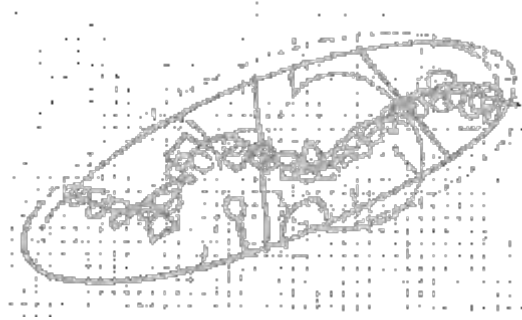
# Design Principles



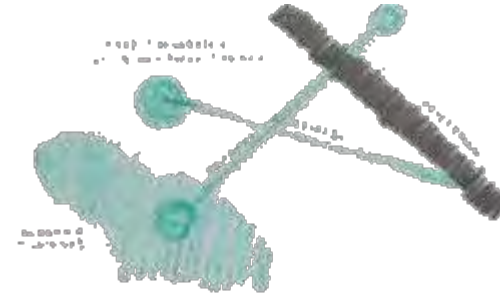
Traffic redistribution:  
collector roads



“Loop” street : limited car access to the area (discourages pass-through traffic)



Blocks organised in small units

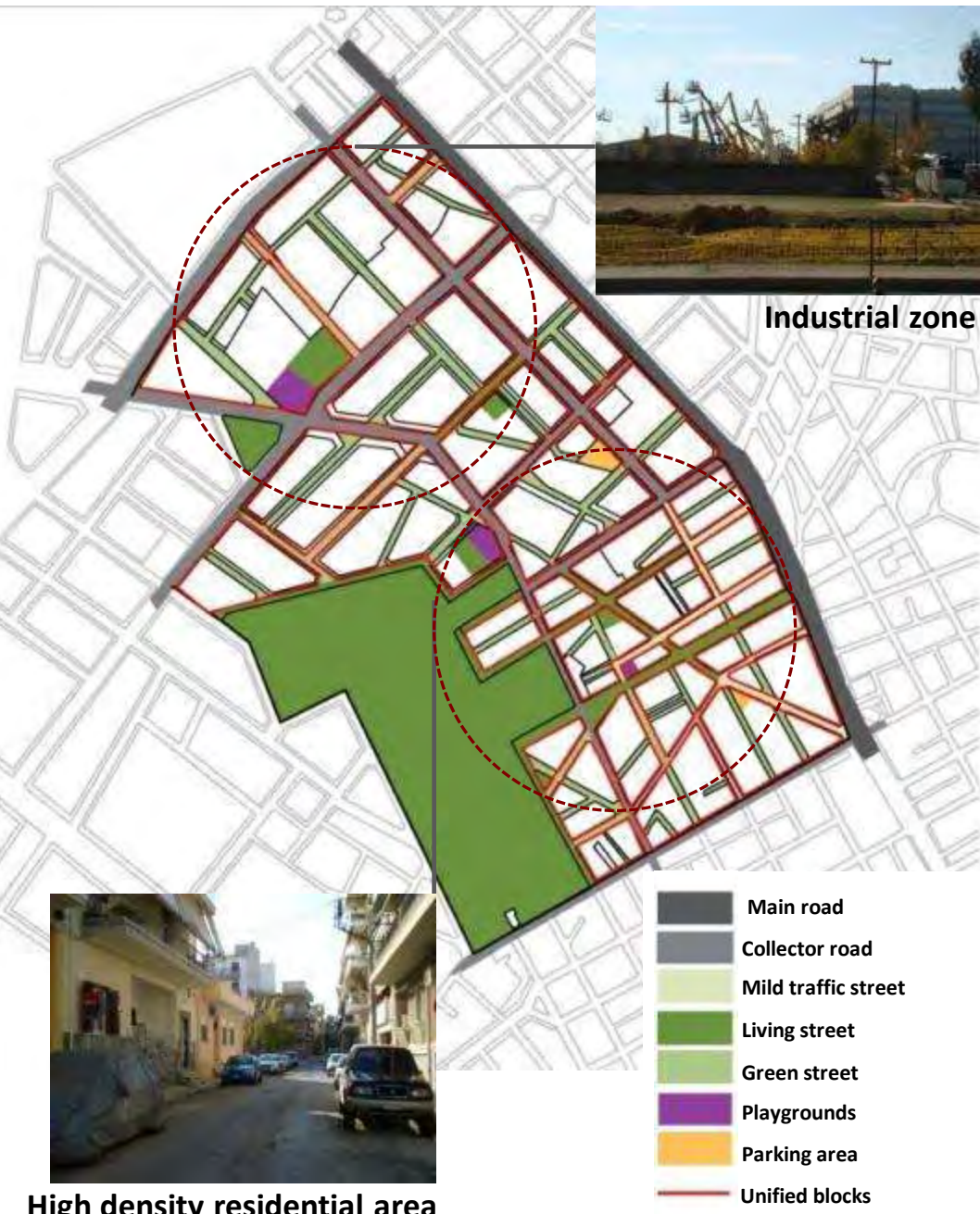


“Green” network creation:  
streets and parks



# Masterplan

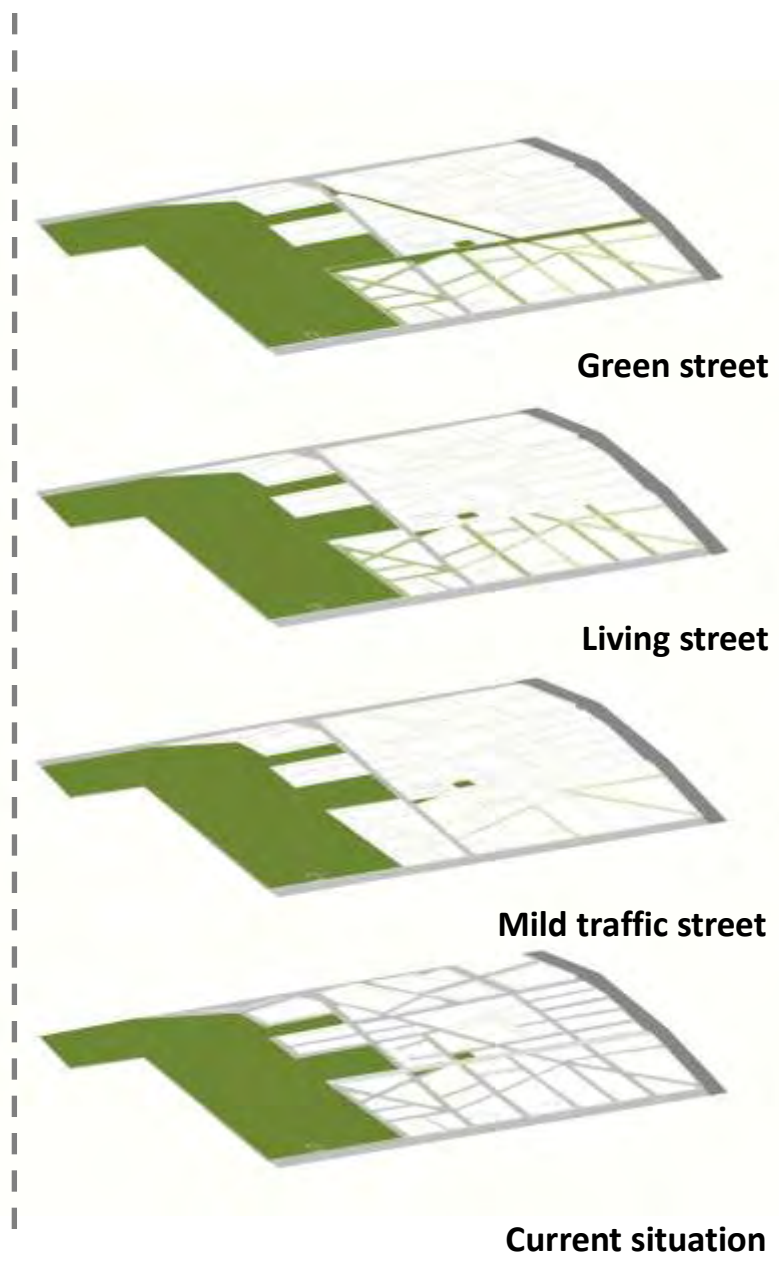
# Street types



Industrial zone



High density residential area



# Green street (car free)



- Decreased heat emission during summer (low heat capacity materials)
- Increased water permeability
- Community friendly





# Living street (limited car access)



PLAN

- Car access allowed only to residents
- Linear park unifies blocks



SECTION



# Mild traffic street



- More vegetation, less parking space
- Increased water permeability





# Urban farming

Available sites:  
school yard  
empty plots



community



education





# Materials



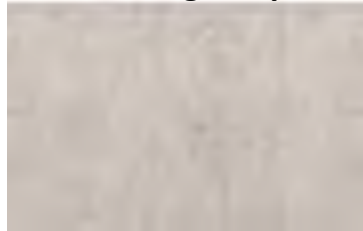
gravel



bare soil



concrete grass paver



concrete



train sleepers

# Vegetation native plants of Greece



*Helichrysum barrelieri*



*Lavandula stoechas*



*Cistus salviifolius*



*Pistacia lentiscus*



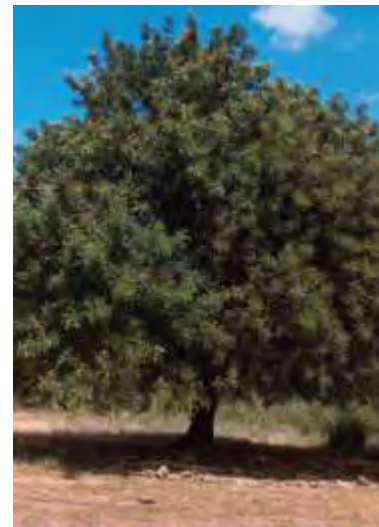
*Medicago arborea*



*Myrtus communis*



*Cercis siliquastrum*



*Ceratonia siliqua*

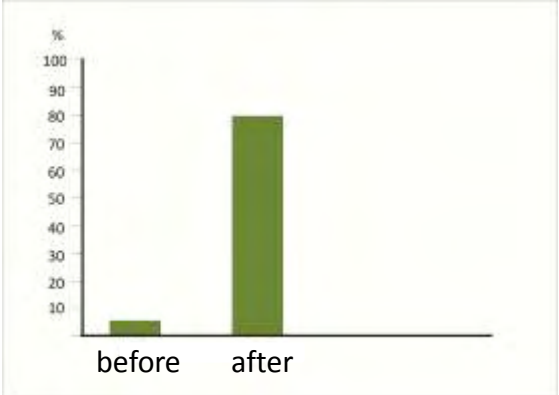


*Acer sempervirens*

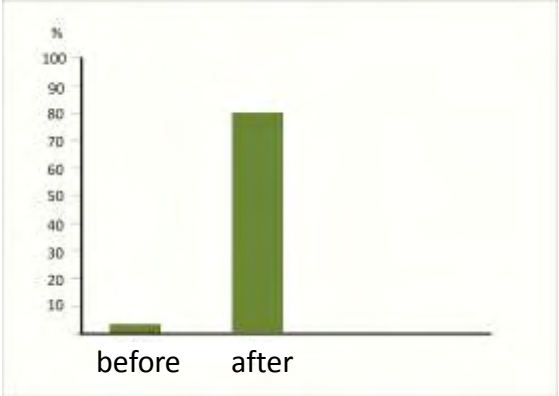


# Greenery increase

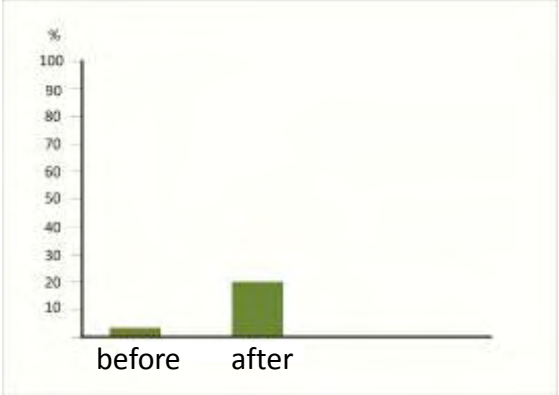
Proposal of patterns applicable in various urban sites in Athens



**Green street**



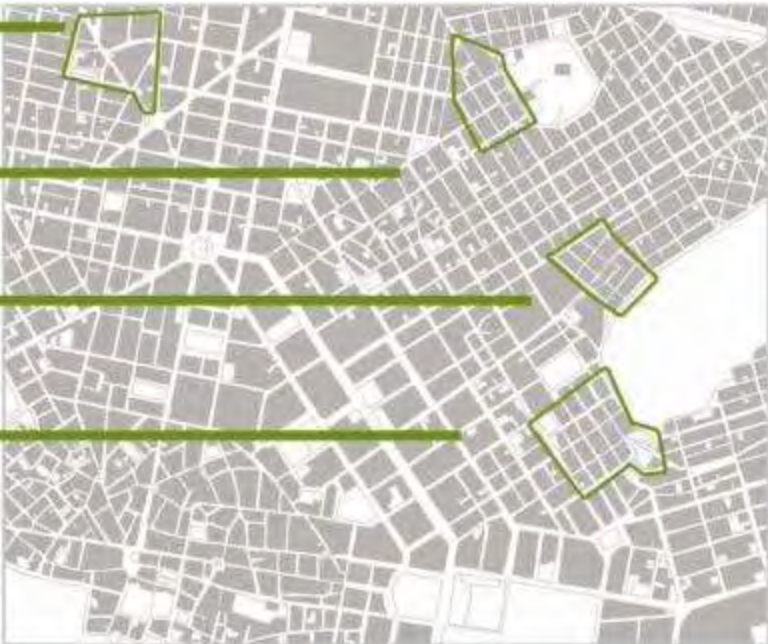
**Living street**



**Mild traffic street**



**Akadimia Platonos**



**Athens urban environment**