

picture / sketch of the pattern



Taken by Nadia Abotaleb
on June 7, 2015

photo credit + source

+ or -

pattern

Building on agricultural land

Nadia Abotaleb

name

key players m

Builders

importance rank

Major

description / background

Ard El Lewa used to be an agricultural land, but due to necessity, green soil was replaced by buildings. Some green lands survived, but are in the process of being replaced.

smaller patterns

Traditional building process

larger patterns

Loss of agricultural lands due to urbanization

problem

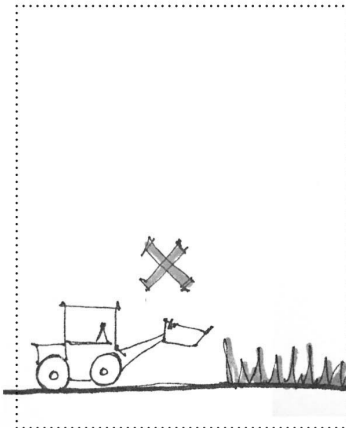
Loss of agricultural lands

potential

Enhancing micro-economy
Using wasted spaces

solution / tool(s) to optimize this pattern:

illustration



tool 1

Preserve existing agricultural land

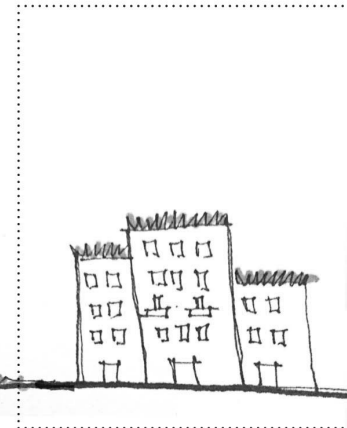
description

Perseve and efficiently cultivate existing agricultural land

new key players

Government

illustration



tool 2

A law that states each constructed building has to have a green roof

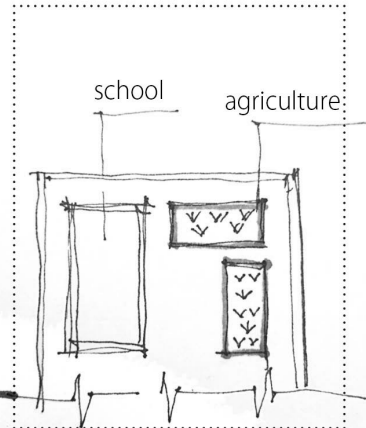
description

Lost agricultural land can be compensated either vertically or efficiently using the wasted roof scape

new key players

Government

illustration



tool 3

Utilize existing wasted spaces in public areas (for example: schools)

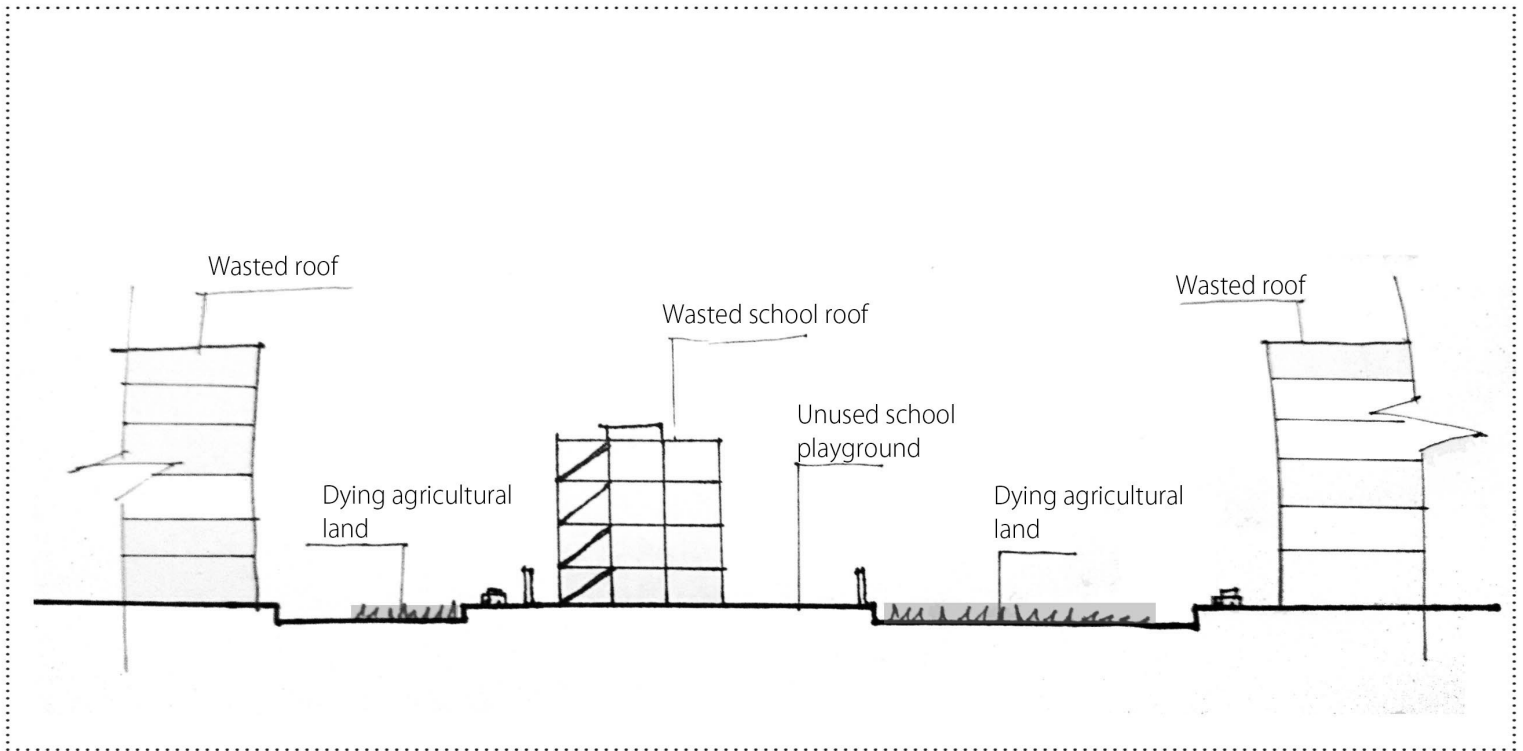
description

Agriultural activities can take place at large wasted spaces in public areas like schools or parking lots.

new key players

Public space users: students, teachers...etc.

existing diagram / layout / map



new diagram / layout / map / design / photographs of a 3d model

