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## **Research Article**



# Environmental Health and Transportation: A Landscape Design of a Vital Healthy Area in An Ecological Town

## MAACHOU Abderrahmane\*

Searcher in Landscape Architecture.Ouzera. Algeria

#### Abstract:

Traveling long distances for specialized treatment causes physical and finanacial coasts. In return, convenient and rapid train transportation along scenic routes provides a suitable atmosphere for recovery in therapeutic health environments. Just a traveling by train saves time and contributes to economic development and facilitaiting trade exchanges, aswell as stimulating the economic mobility of regions. Designing a train trajectory thatis not considered from an ecological perspective leads to damage to users and sometimes harms to population Through this research , the ecological space of high speed train station and a parking area on Motorway designed using biomimetics in a healthy area of OuzeraTown in order to avoid the damage resulting from carbon dioxide emissions which provides an appropriate therapeutic environment that provides rapid transportation and specialized healthcare sevices in natural landscape and optimal therapeutic atmosphere in One Health environment.

Keywords: Train station. Environmental health. Landscape architecture. Biomimetics.Rest Area

#### 1. Introduction

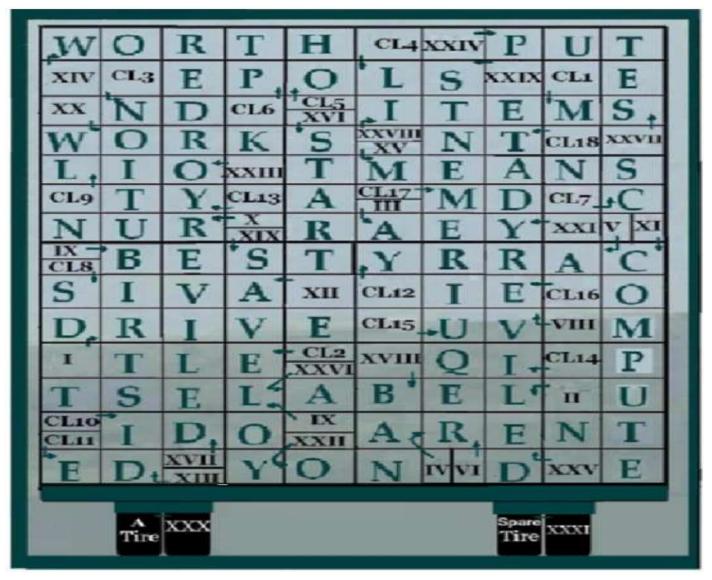
Transportation is essential to ensureaccess to all services in the town, itisalso the vital engine of the econimy. proiding important services in the field of goods and providing the requerements of life. While transportation ensures the movement of peoples and access to markets, italsoensuresaccess to health services highereducation and scientificresearches. How canrapidtrasportationbeprovided for considerable distances for a scientificspace of Ouzeratownwith the One Health initiative and heathyenvirenment free of carbonemissons?

## 2. Observatory of transportation in OuzeraTown.

A description of transportation in Ouzeratownthrough an urbanobservatoryabridged with phrases and sentences on transporting and delivering goods for an urban modeling of transportation in Ouzera Town for drawing the model of tansportation. we listed an essential words whoform the capital letters of Modeling This capital letters and the words of an observatory sentences form a concise lecture of tansportation in Ouzeratown.

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The model of the transport observatory is inspired from the shape of truck which is the land transport observed in the ecological vital road station of OuzeraTown.

## Model of Transportation in Ouzera Town

#### 3. Environmental Health in Ouzera Town

The town of Ouzera is charcterized by a healthy climate and a fourth-generation road network with flow traffic suitable for health facilities in an ecological environment.

The active scientific campus also constitue a scientific space in whichre search can be developed in the field of standard healthcare and Environmental Health with especially: Foods, water, air and the use of modern technology including technologies of health.

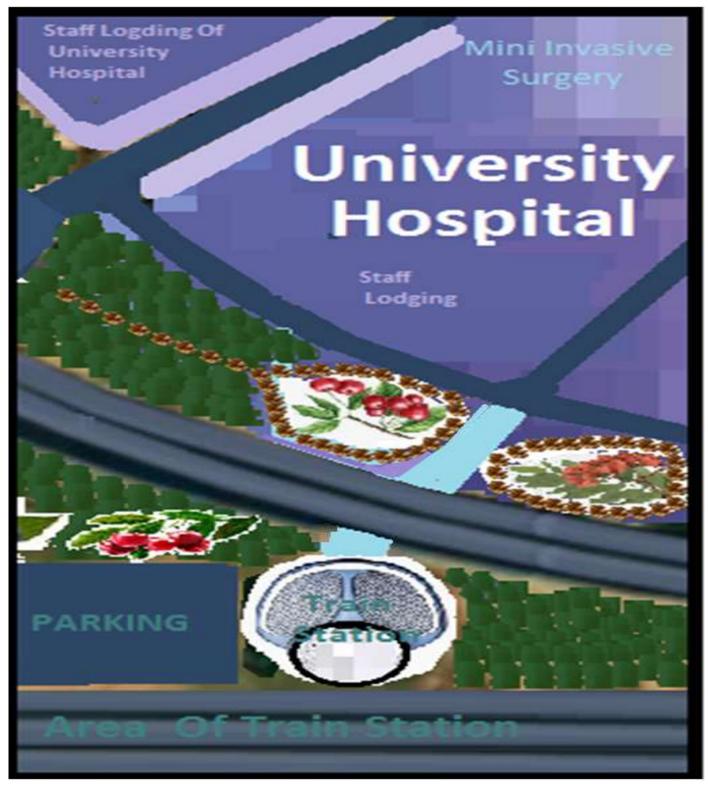
#### 4. Model of an ecological Train station.

The completion of trans saharian railway from Algiers to Tamanrasset has reached an advanced stages with completion of an important section in the high plateaus.and the preliminary descriptive of ChiffaBoughezoul section showed that the line passes in a modern trajectory with tunnels and viaducts that starten the crossing distance of the Atlas Mountains range passing through Ouzera territory.

The importance of Ouzeratownis due to its availability of a healthy climatic environment and its location on the North South motorway with an urban landscape and a vital activity of transportation. We are designing an ecological model of train station for passangers and goods in a lively and healthy urban area south the University Hospital spicialized in Mini invasive Surgery.

Special area surroundings the Parc of trucks of train station are designed with biomimetics and the main buinldings for passangers is designed with an architectural sight derived from the medical balance of precision. The station has a special ecological garden swhich contains many types of evergreentrees ,Floors ,shrubs and aromatic plants. The design of garden surrounding train station is inspired from cherry branch and the branch of pistacia lentiscus plant. The gardens contain special corridor for patiens as well as a special building for gardening to give an urban character and create a harmoniousurban image of the train station.

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#### 5. Biomimetic design in urban area of transportation.

The Rest area of motorway have the necessary facilities such as fuelings ervices, foods services a bathroom and sometimes picnic area.

Below we present a biomimetic design for a family arboretum and gardenswith nurseries in an ecological area of Ouzera interchager Motorway.where the space is available for fuel station, food services, a bathroom and parking. The design of the family arboretum is derived from the nectarine plant, so that it contains a central covered area ovelooking the natural landscapeand is surrounded by green spaces of various types of trees and aromatic plants. Next to the family arboretum the nursery gardens draw a shape derived from the plum plant .and the nurseries are located next to a road diredlty connected to the North South motorway.

In the southern space of this road a parking, a cafeteria, restautant an bathroom to provide with transportation services the services for land transport in an ecological area without carbone emission.

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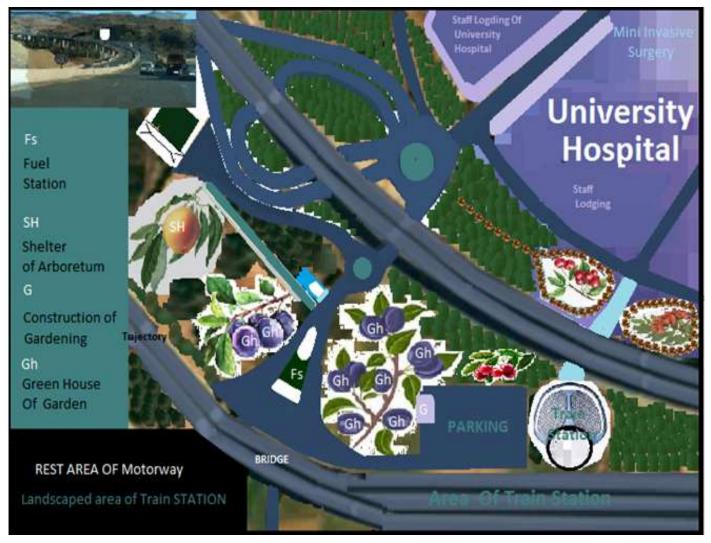


Fig2: Ecological area of transportation: Model of Ladscaped Rest area (Source Author 2024 /Photography in PK 29 of North South Motorway\*)

## 6. Conclusion

Rapid trasportationis provided for health services in healthy environment of OuzeraTownwith a train station designed with biomimetics and landscape Architecture.

The land transport services area also being developed with a parking area at Kliometer Point 29 of the North South motorway. The area includes a fuel station, a family Arboretum, a nursery gardens and a parking of trucks with an essential service near the train station in a healthy ecological area.

## 7. Bibliographical Reading

- 1. A. bderrahmane M (2024); Towards One health for All; Maintaining human health in a town through Integration of an integrated scientific projects into a healthy landscaped site Research and Analysis Journal 7(10).01-07.
- 2. M Abderrahmane (2024); Observatory of town and biomimetics for urban modeling and Architectural design of scientific scpace in landscaped site. Research and Analysis Journal .7(8).71-91.
- 3. Philip Smith (2013); Environmental Health.Model child care health policies.3pages.
- 4. Primach R B and al (2021); The growing and vital role of botanical gardens in climate change research. New Phytologist. 231:917-932.
- 5. Rui Zhang and al (2024); Strategy and methods for carbon emision mitigation during construction of rail transit. ACS Omega.9.3415-34184.
- 6. Shanushan Jin and al (2023); Comprehensive evolution of carbon sequestration potential of landscape tree species and its influencing factors analysis: Implications for urban green space managment. Carbon Balance and Management.18 :17.
- 7. Xiaodong Hu and al (2022); Carbone mission factors identification and mesurement model construction for railway construction projects. International Journal of Environmental Research and public health.19 :11379.
- 8. Yang Luojun and al. (2023); Multiobjectivepathoptimization of Highway-Railway multimodal transport concidering carbon emissions. Applied Sciences.13,4731.