
Palestine International
Aerotropolis

Contents

State with Airport

Airports have a bigger effect on economic development by moving people as opposed to cargo.

Shape business location and urban development

They are among the largest investments a city and region make.

Most important hubs in the world.

Create Economies Of Scale By Pooling Demand For Destinations And Regular Flights.

Job creation, creating quality employment opportunities.

Driving Economic Recovery
Aviation's Global Impacts

$2.4 trillion
Contributed to global GDP annually
(direct, indirect and induced, 2012)

3.3 billion
Passengers annually (carried on scheduled traffic, 2014

$6.4 trillion
Value of air cargo annually (2012)

Awesome Presentation

Yasser Arafat International Airport

NOW…

Gaza airstrip


UNITED NATIONS

Gaza Airstrip

NOW…

Qalandiya Airport

1968…

The closed entrance to Qalandya Airport in 2010, with a police jeep guarding

MOVEMENT RESTRICTIONS

The Separation Barrier and the “seam zone

•MOVEMENT RESTRICTIONS

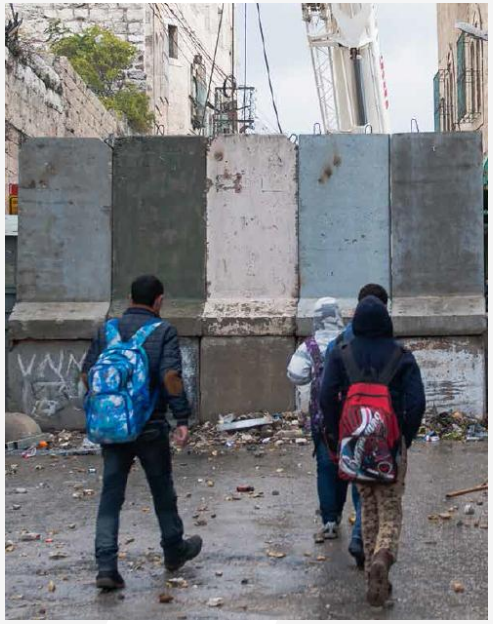
The Separation Barrier and the “seam zone

CHEAKPOINT

•MOVEMENT RESTRICTIONS

The Separation Barrier and the “seam zone

CHEAKPOINT

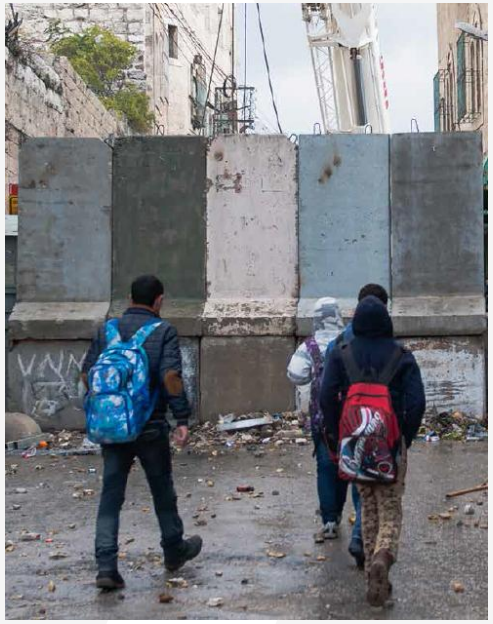


Closed road

MOVEMENT RESTRICTIONS

The Separation Barrier and the “seam zone

CHEAKPOINT



Closed road

bridges

Project Justifications

SOCIAL and CULTURAL

A. Increase in people's mobility.

B. Education opportunities

C. Faster & possibly more communication with the West.

D. Promote local culture to visitors.

ECONOMIC

A. Increased speed of trade

B. Possible increase in amount of imports & exports.

C. Passenger transportation

D. Commencement of tourism industry

E. Increase in local employment opportunities
(

POLITICAL

A. A sustainable resistant weapon in case of state weakness and war.

B. Unblocking Israel occupation siege on boundary of Palestine.

C. Eliminate hard travel through bridges and Israeli security inspections.

MILITARY

A. Establish army base

Main reason

freedom of movement and
access for Palestinians

Airport city

The ‘Airport City’ concept acknowledges the notion that large airports take the characteristics of a real city.

Sustainable

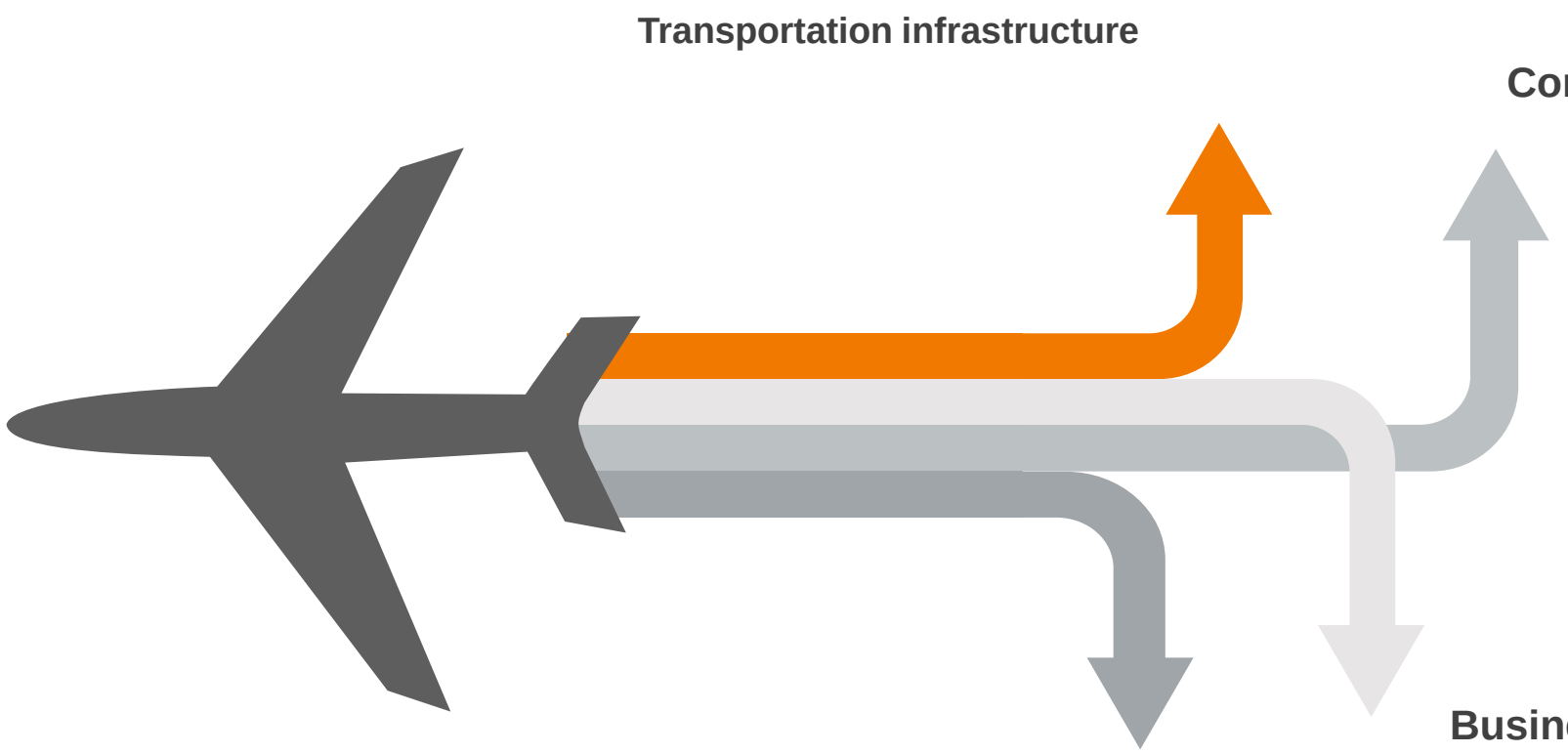
Modern

COCEPT OF AEROTROPOLIS & AIRPORT

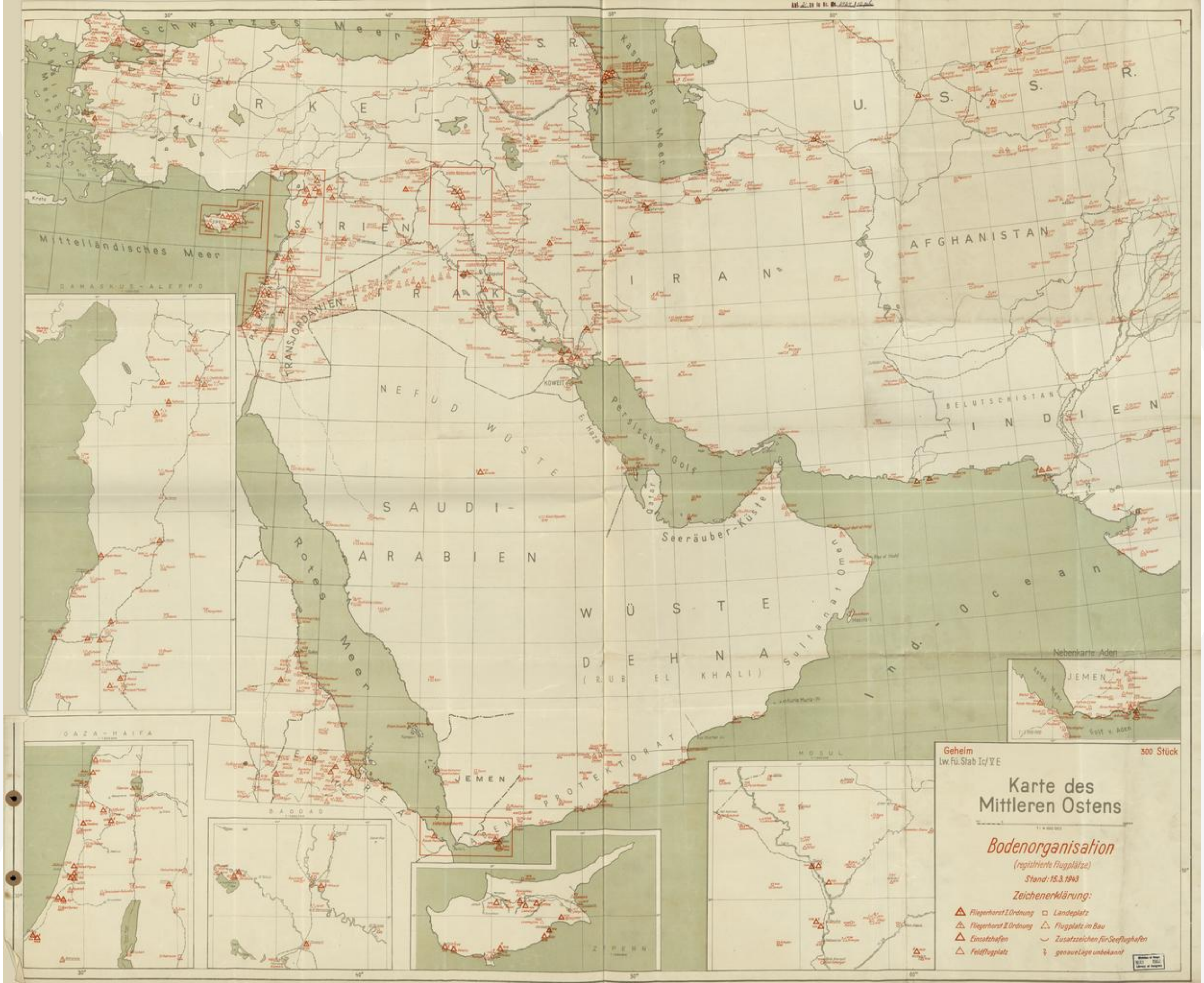
. It consists of an airport's aeronautical, logistics and commercial elements, and it connects transportation infrastructure with clusters of aviation-oriented businesses and residential developments that continually feed off each other and their proximity to the airport.

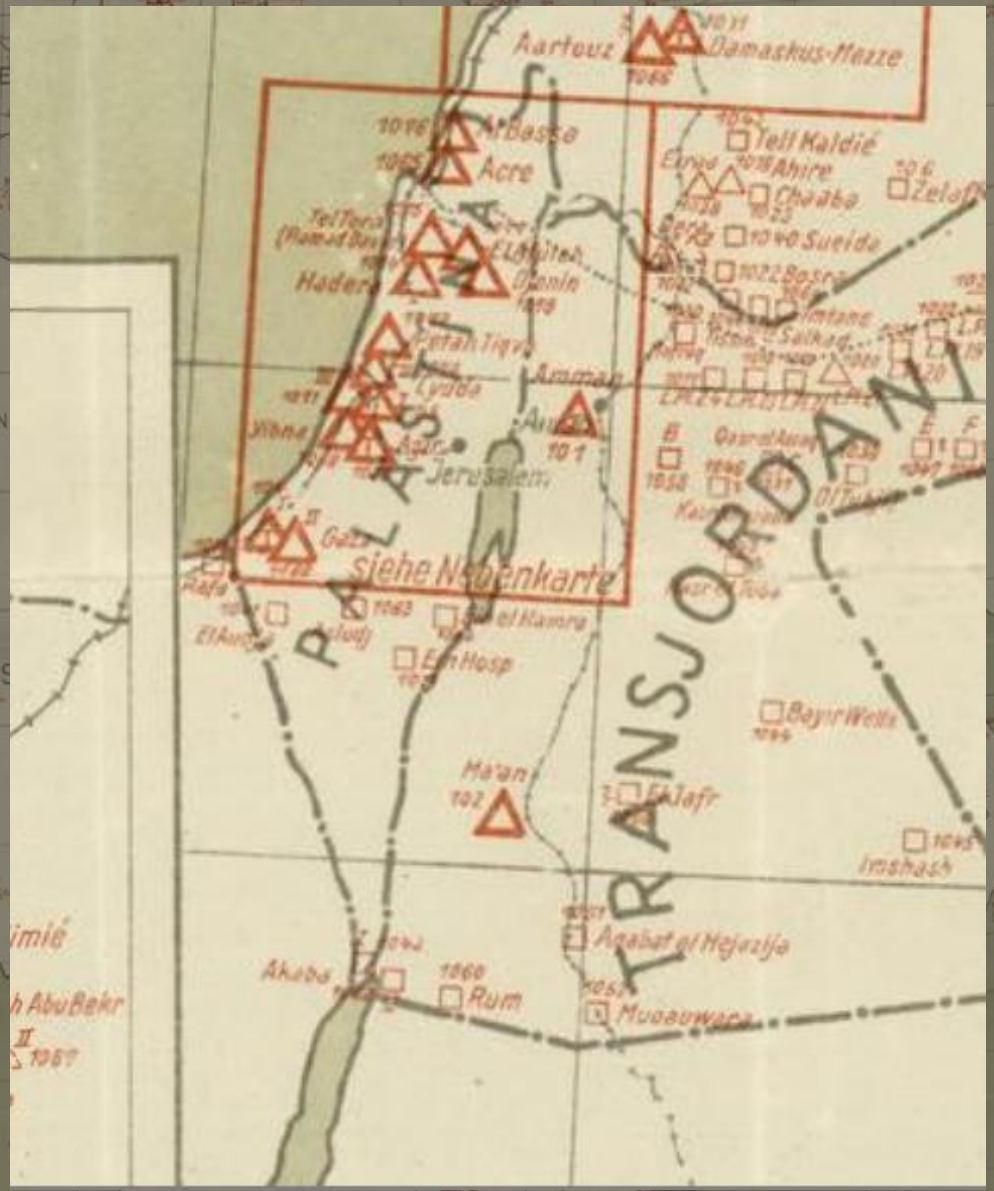
aerotropolis is a metropolitan subregion whose infrastructure, land use and economy are centered on an airport

It consists of

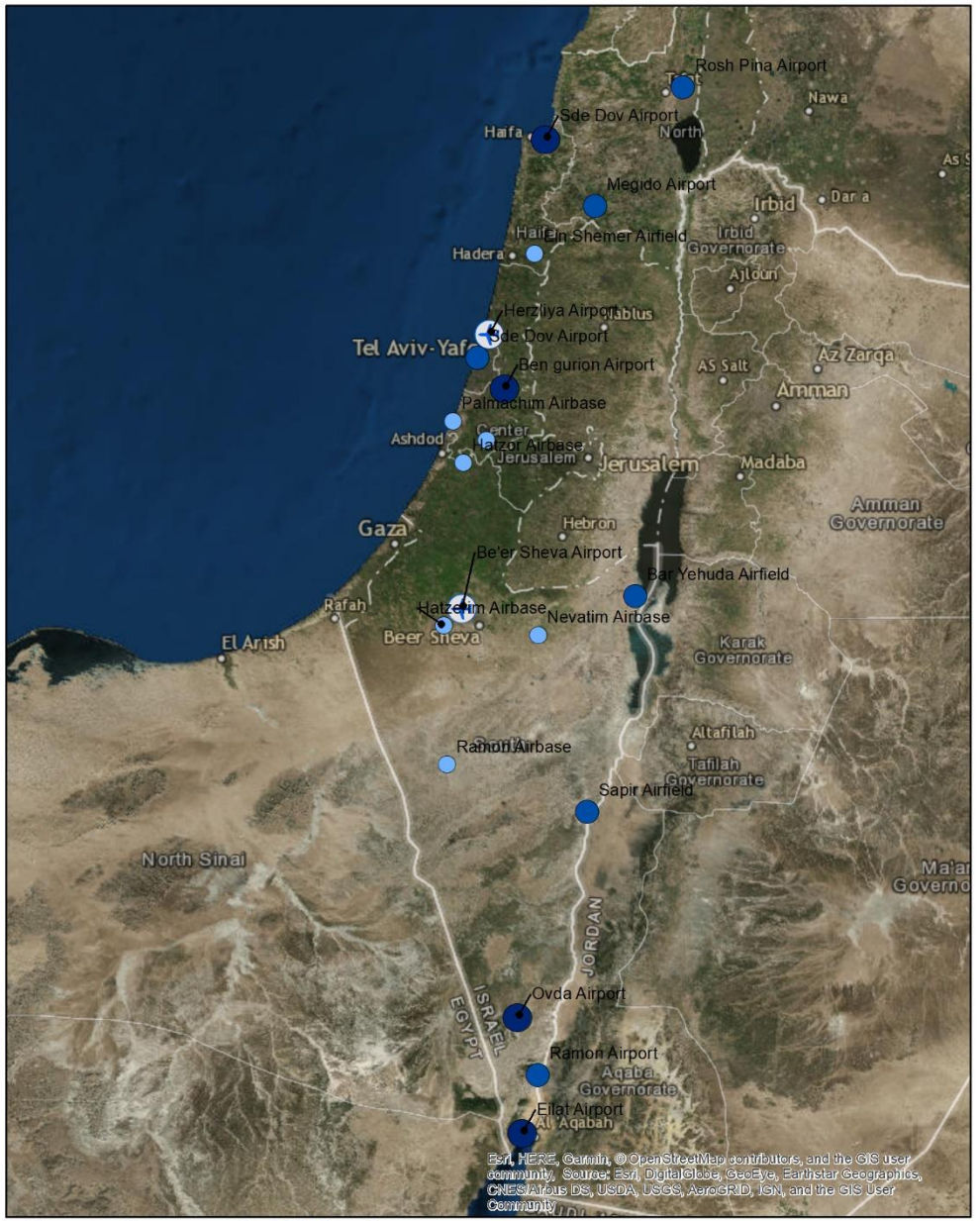


Airport history in Palestine


Schwarzes Meer
U. S. S. R.
Kaspisches Meer
TÜRKEI
SYRIEN
IRAK
IRAN
AFGHANISTAN
U. S. S. R.
Mittelländisches Meer
Kreta
TRANSJORDANIEN
PALÄSTINA
KOWEIT
NEFUD WÜSTE
SAUDI-ARABIEN
Persischer Golf
Seeräuber-Küste
Sultanat Oman
BELUTSCHISTAN
INDIEN
Rotes Meer
WÜSTE
DEHNA
(RUB EL KHALI)
JEMEN
PROTEKTORAT
Indischer Ocean
DAMASKUS-ALEPPO
GAZA-HAIFA
BAGDAD
ZYPERN
MOSUL
Nebenkarte Aden
JEMEN
Golf v. Aden
Geheim
Lw.Fü.Stab Ic/V E
300 Stück
Karte des
Mittleren Ostens
Bodenorganisation
(registrierte Flugplätze)
Stand: 15.3.1943
Zeichenerklärung:
Fliegerhorst I. Ordnung
Fliegerhorst II. Ordnung
Einsatzhafen
Feldflugplatz
Landeplatz
Flugplatz im Bau
Zusatzzeichen für Seeflughafen
genaue Lage unbekannt



A Good Map Answers A Question, But A Great Map Inspires Three More



Airports in occupied Palestine

- Military Airport
- flight schools Airport
- international Airport
- local Airport

World Imagery

0 30 60 120 KM

N

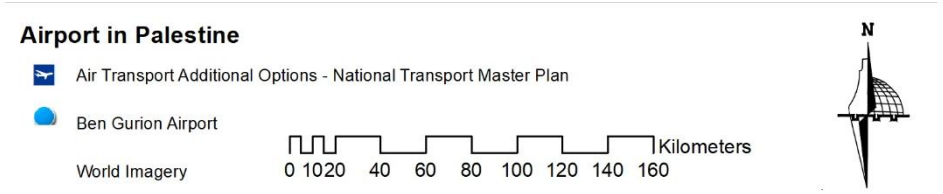
International airports

Flight School airports

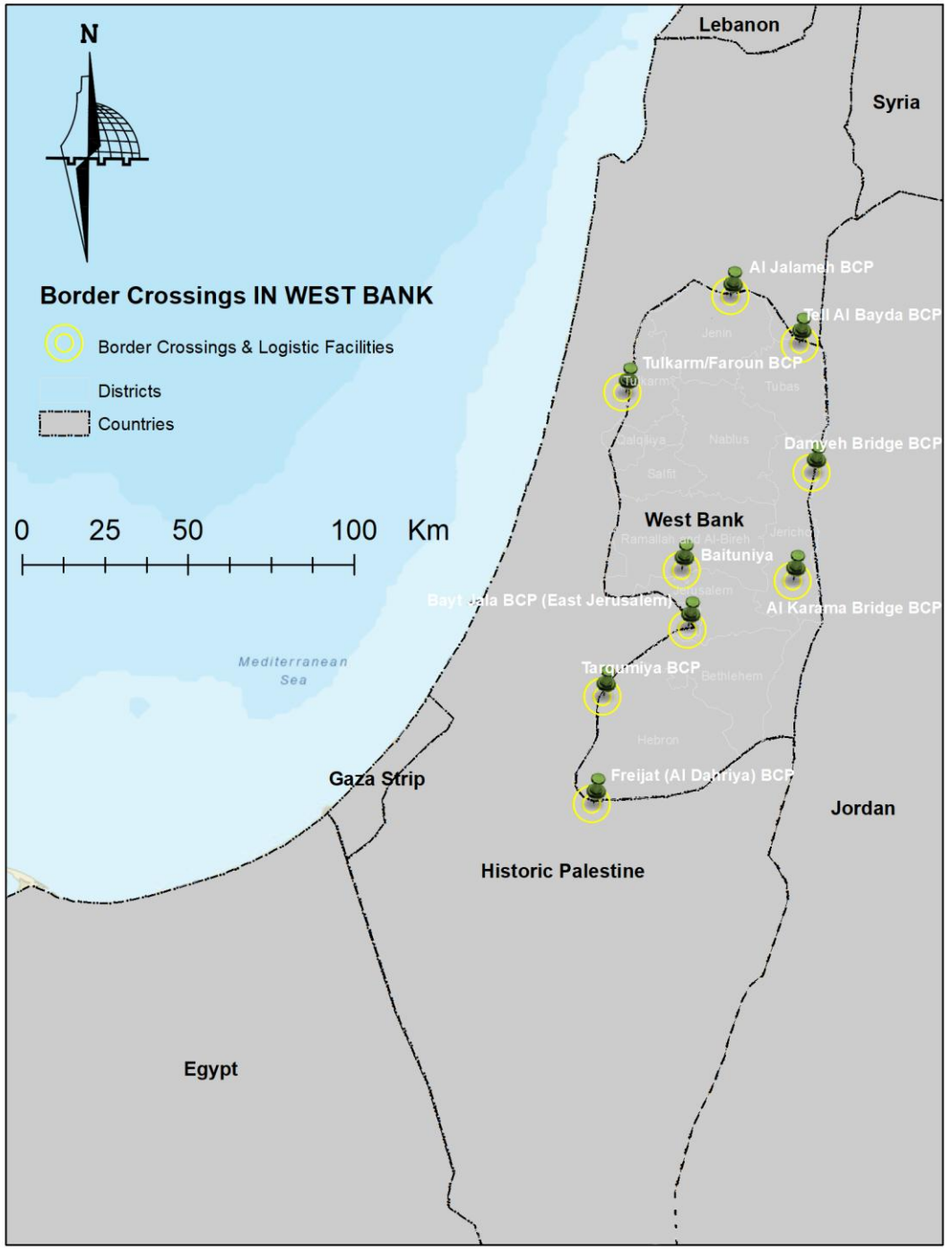
Military airports

local airports

Suggested airport in state of Palestine



Border on WB


N
Border Crossings IN WEST BANK
Border Crossings & Logistic Facilities
Districts
Countries
0 25 50 100 Km
Lebanon
Syria
Al Jalameh BCP
Jeil Al Bayda BCP
Tulkarm/Faroun BCP
Damyeh Bridge BCP
West Bank
Baituniya
Al Karama Bridge BCP
Bayt Jala BCP (East Jerusalem)
Mediterranean Sea
Tarqumiya BCP
Gaza Strip
Freijat (Al Dahriya) BCP
Jordan
Historic Palestine
Egypt

Site selection

Site selection criteria

Residential zone

the minimum approach distance to residential area is 5000m.

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Street hierarchy

The new airport should be within the distance from highway 5000m.

1.Degree road 1000m.

2. Degree road 500m..

Site selection criteria

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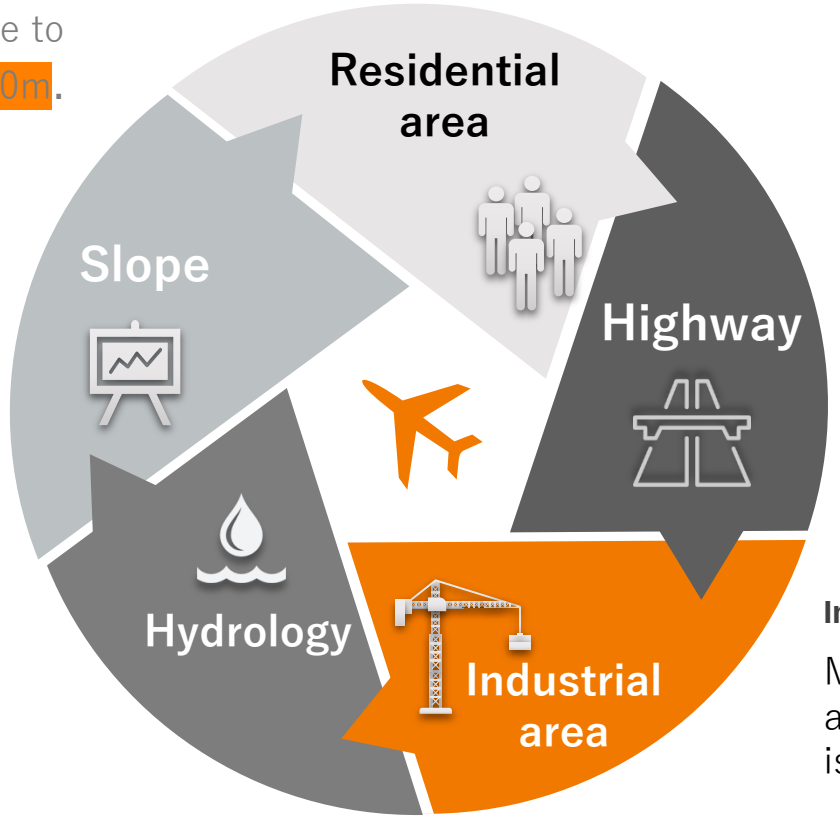

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Industrial zone

Minimum limitation of the approach from the industrial area is 2500m.

Site selection criteria

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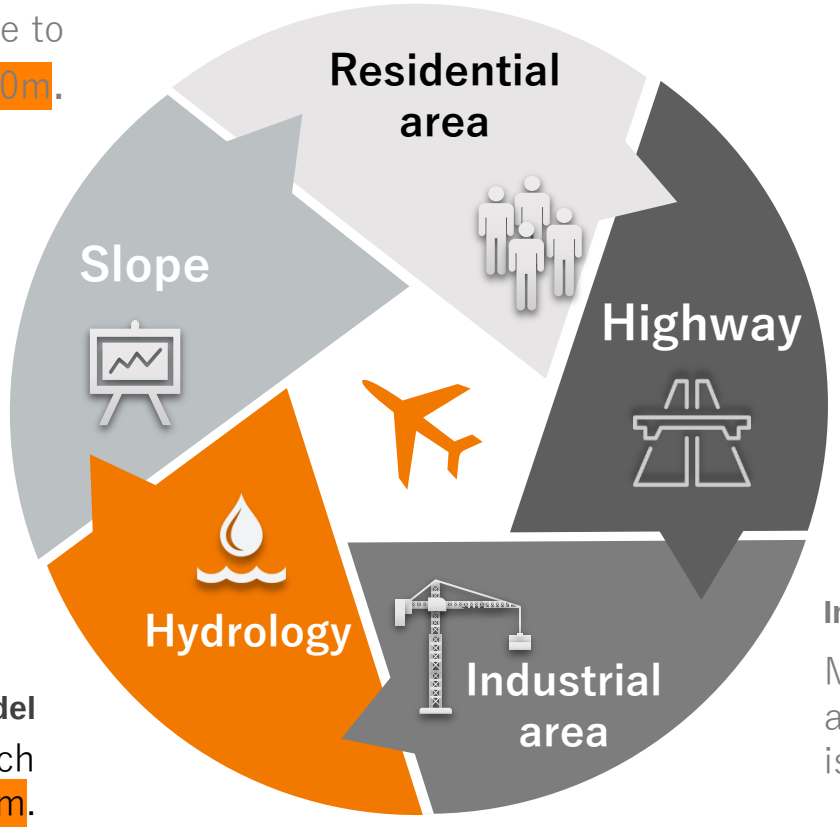
the minimum approach distance to residential area is 5000m.



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Minimum limitation of the approach from the industrial area is 2500m.

Hydrology model

The minimum limit of the approach to the hydrology area is 1000 m. Except for irrigated farmed area and forestry area are available.

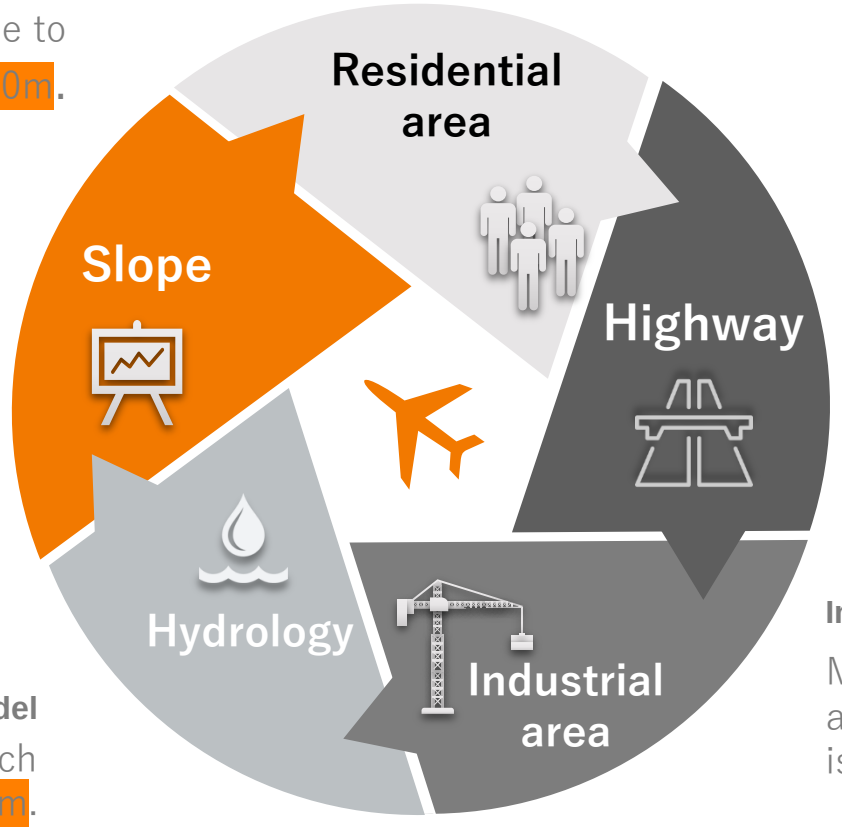
Site selection criteria

Residential zone

the minimum approach distance to residential area is 5000m.

Terrain model

Slope is important for both infrastructure and accessibility. For this reason, slope should be maximum 0-2% for our project.



Hydrology model

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Street hierarchy

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1.Degree road 1000m.
2. Degree road 500m..

Industrial zone

Minimum limitation of the approach from the industrial area is 2500m.

> Aircraft and airport noise are complex subject matters which have been studied for decades and are still the focus of many research efforts today.

Residential area analysis

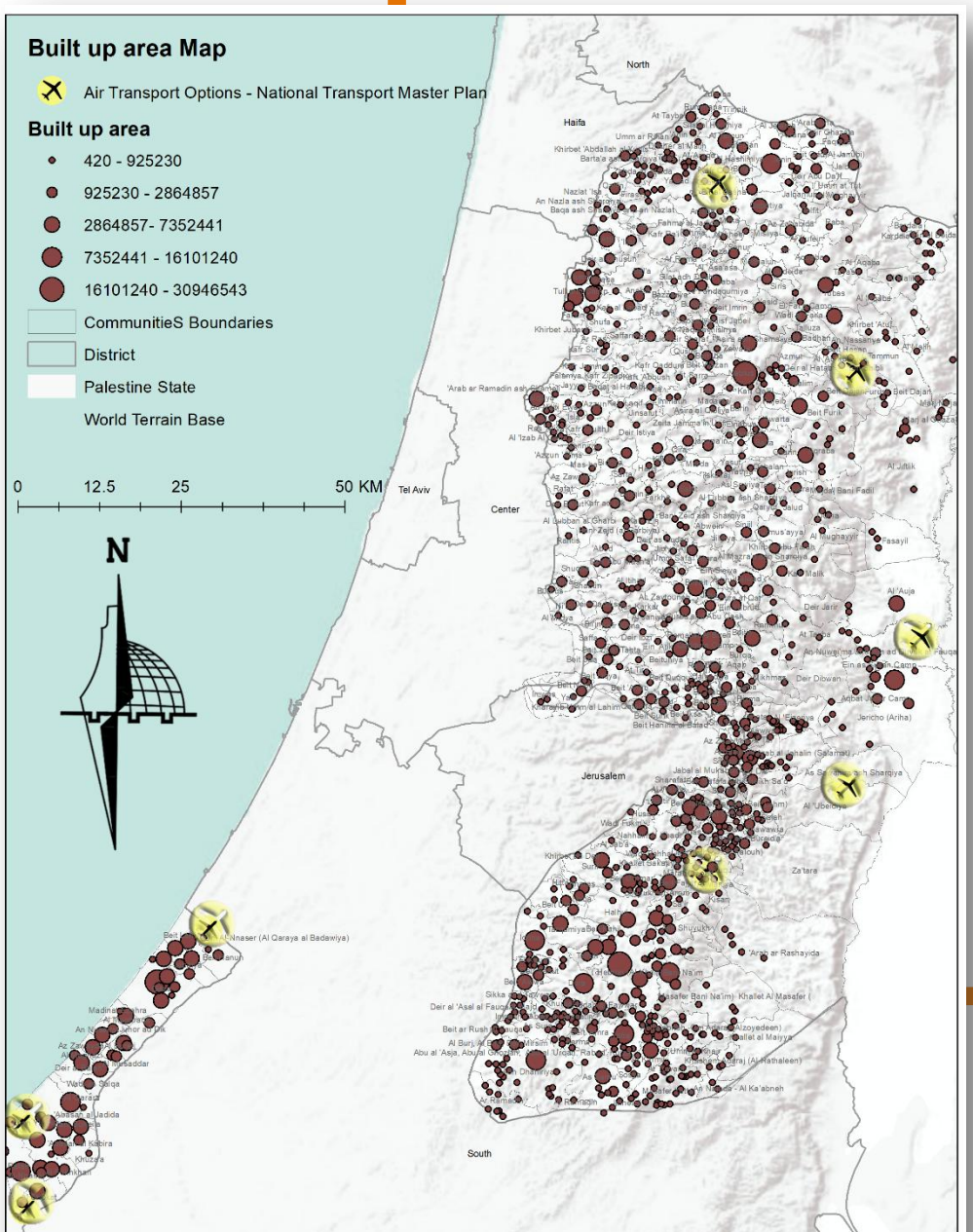
Residential area

Population Density

823 p/km^2

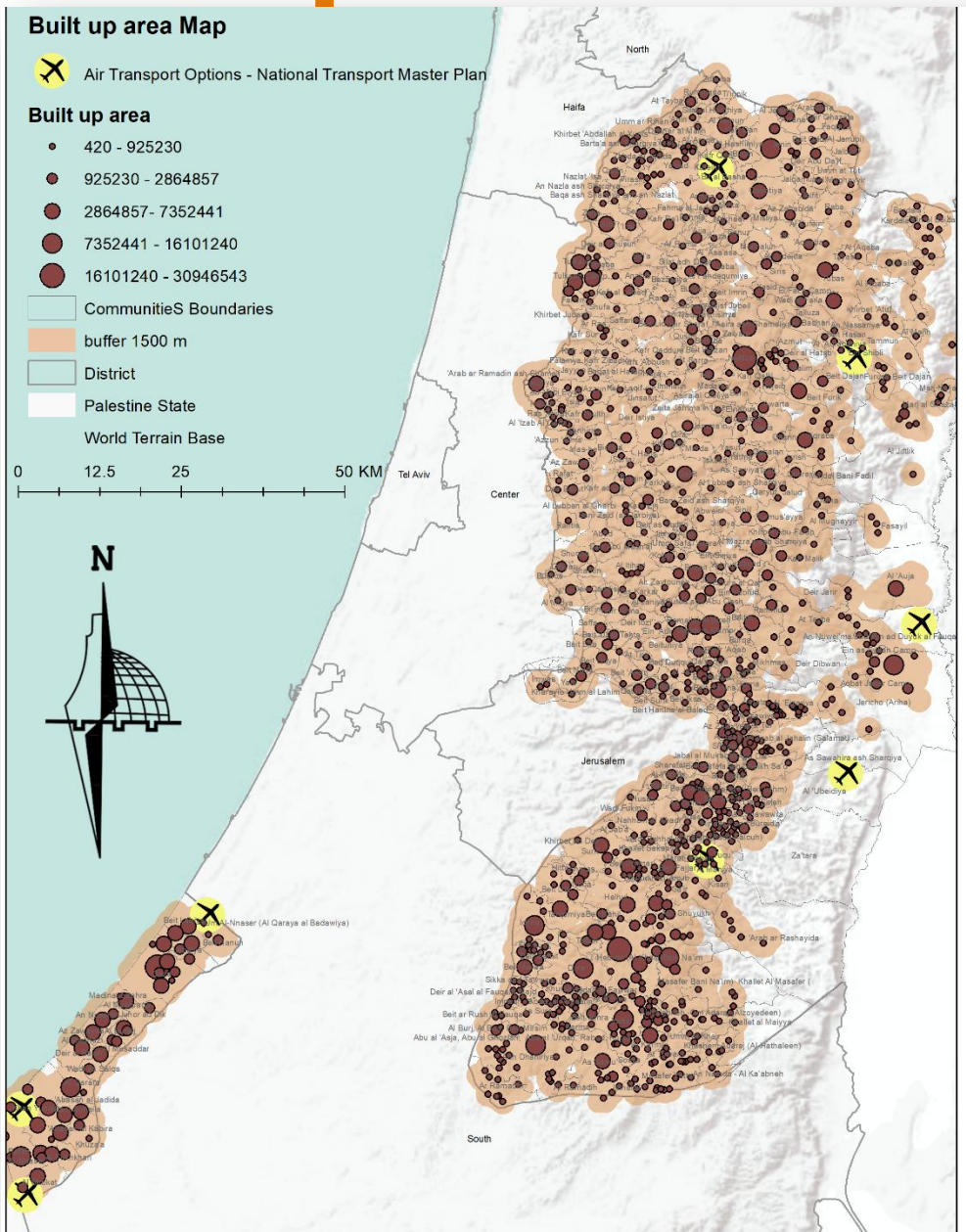
Built up area

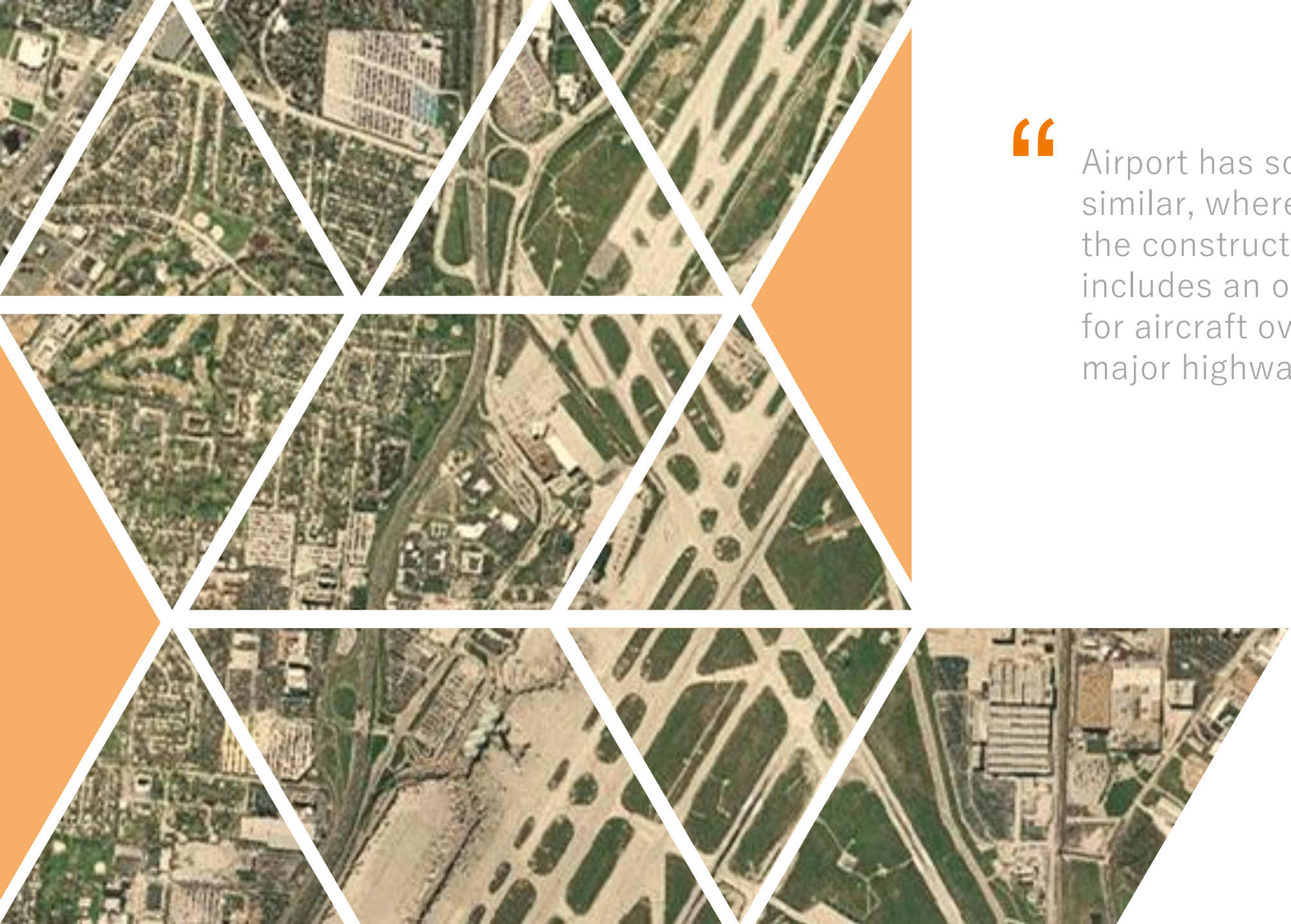
The built up area layer map shows the distribution of the population in the West Bank and Gaza in 2017 .



Built up area

The built up area layer map with buffer 2500m .





> Airport has something similar, where part of the construction includes an overpass for aircraft over a major highway!.

street analysis

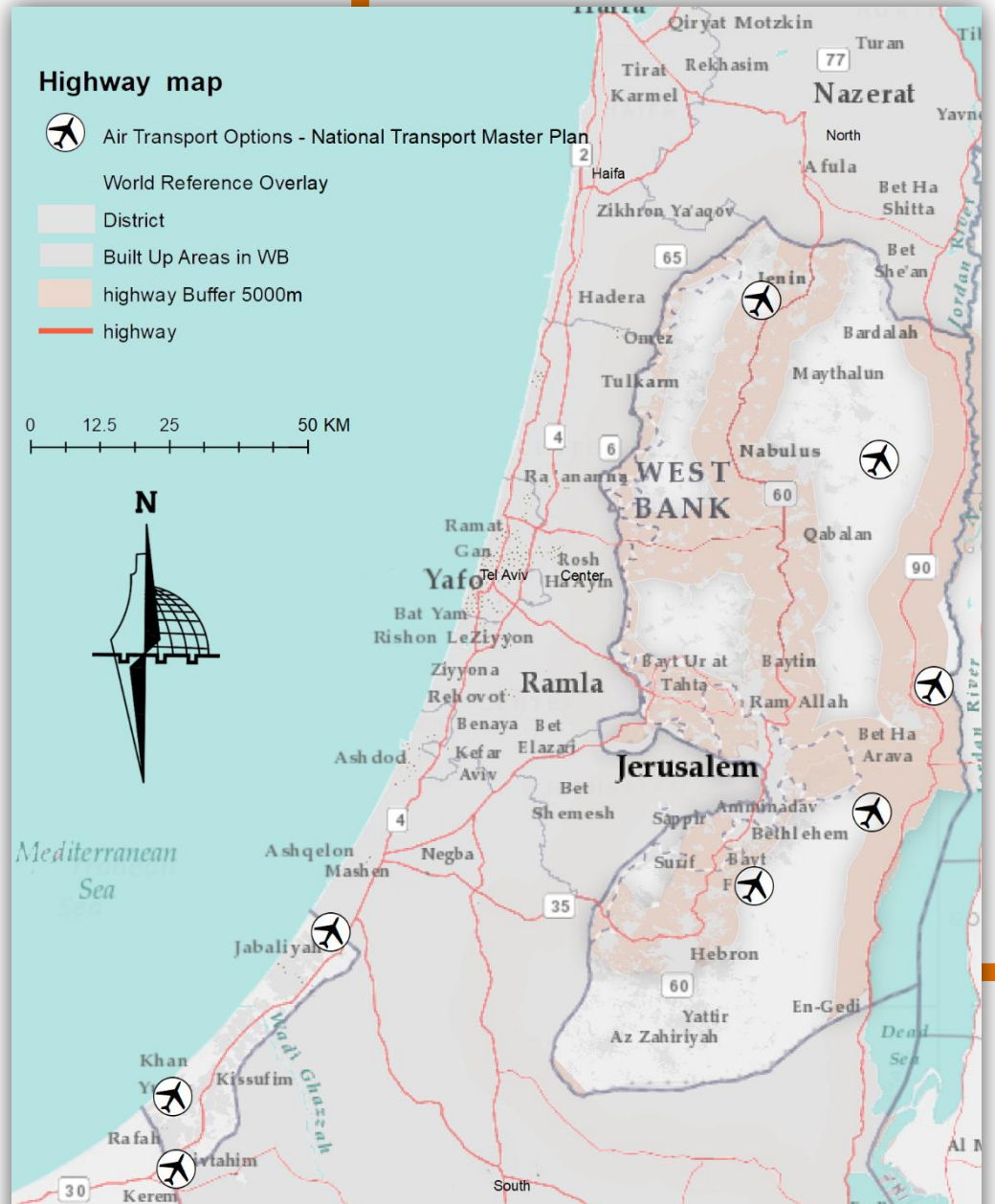
Street analysis

5000 M

Maximum to highway

STREET ANALYSIS

5000 m



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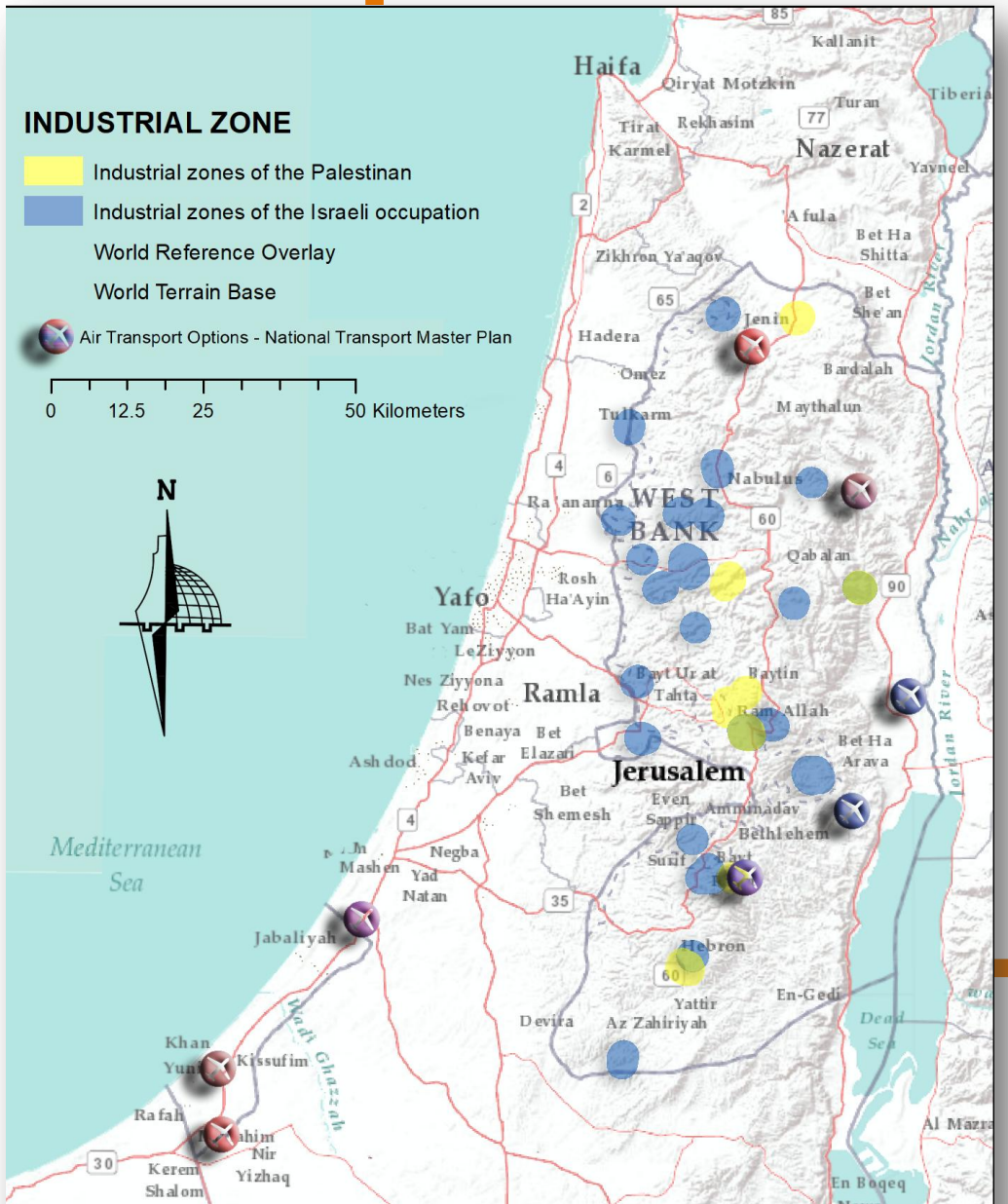
Industrial area analysis

Industrial area analysis

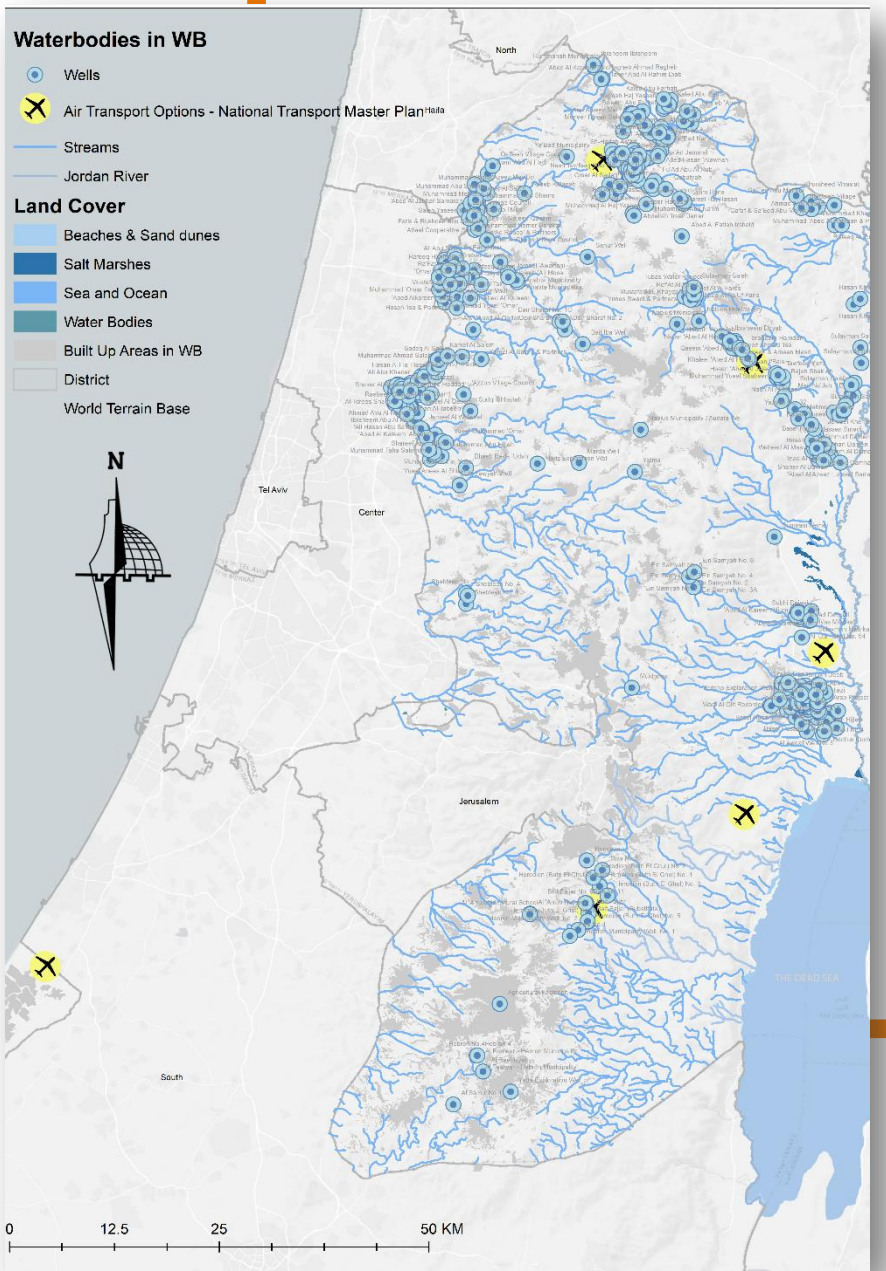
2500 M



Industrial area analysis

Waterbodies Analysis

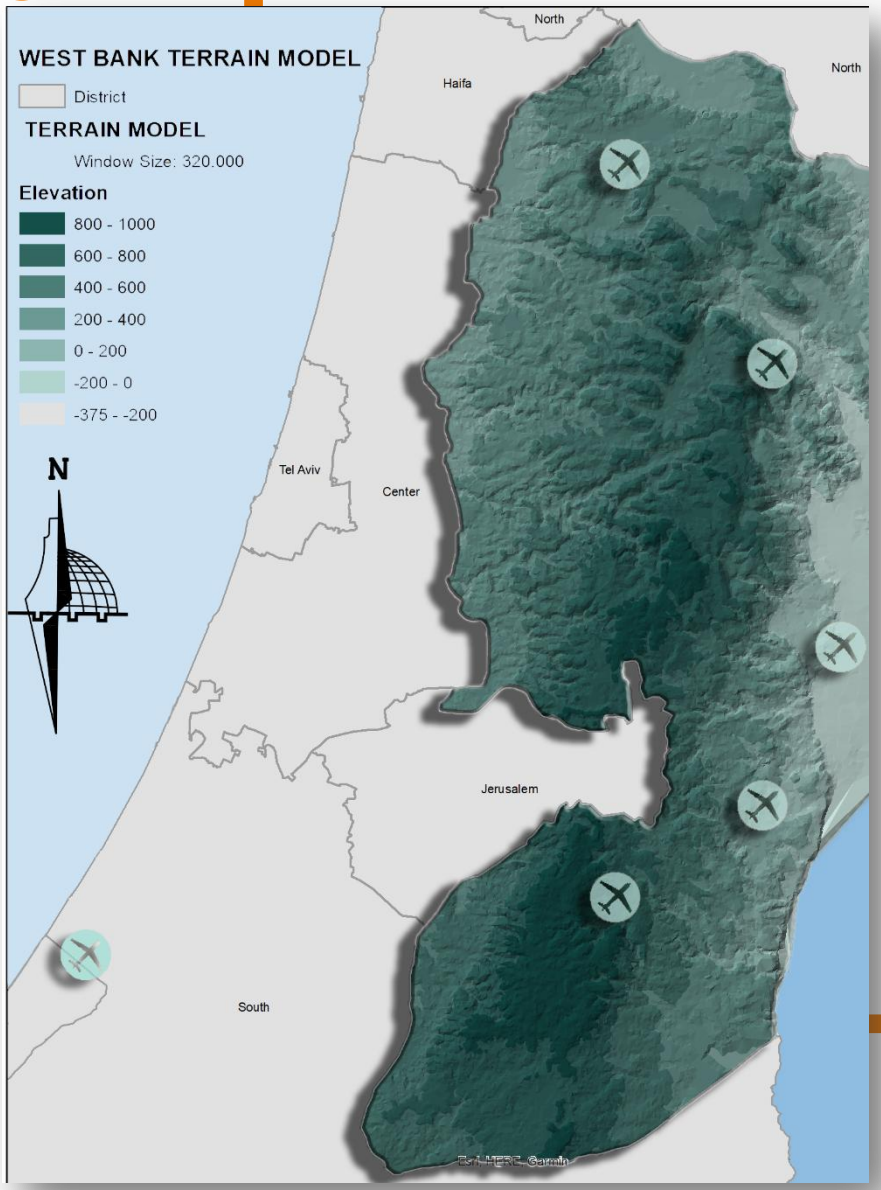
1000 M



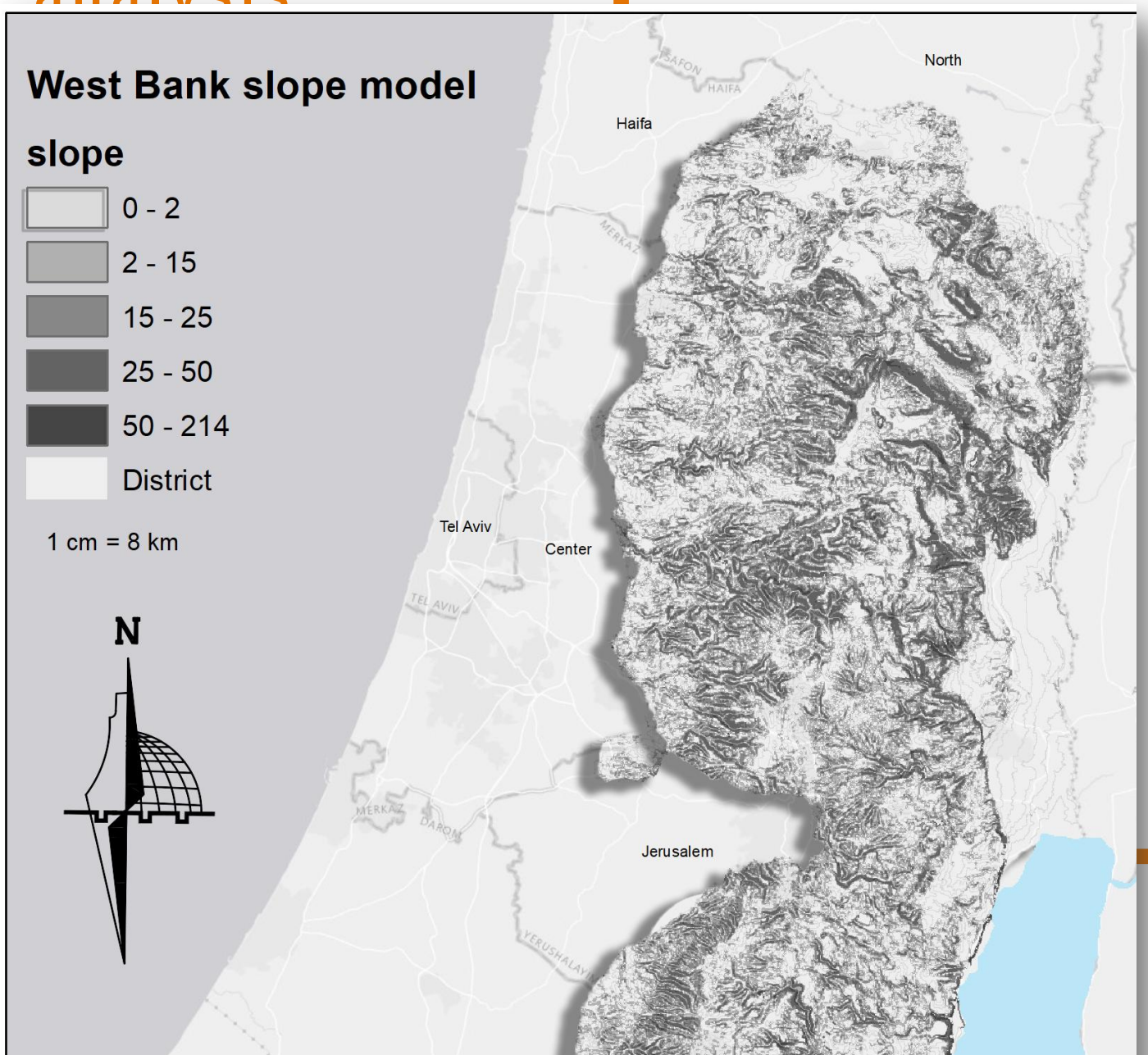
Topography analysis

Topography analysis

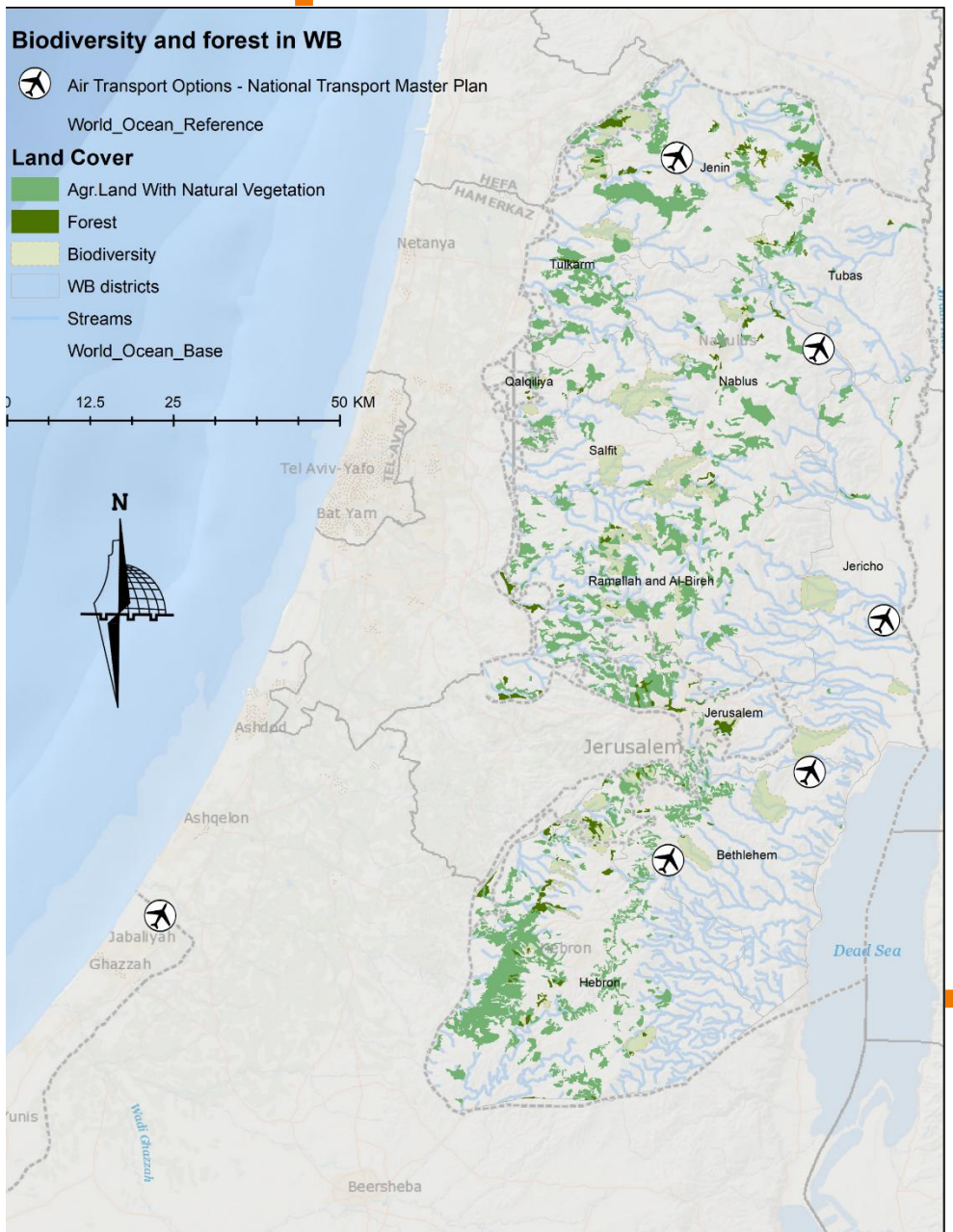
200 – 3000 m



Topography analysis

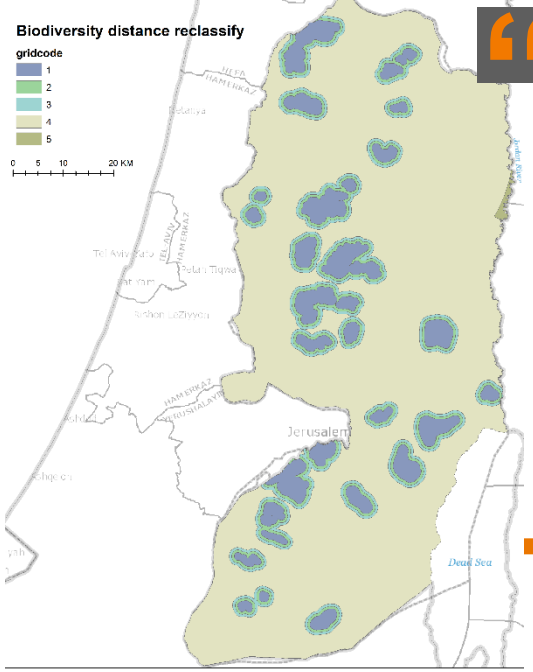


Biodiversity analysis

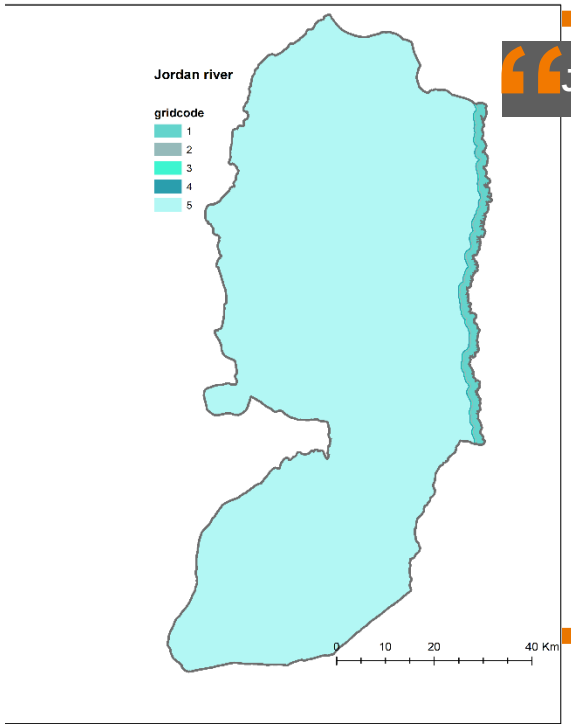


SLOPE

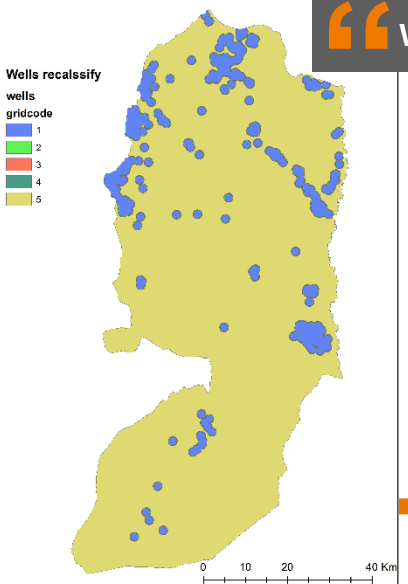
BIODIVERSITY



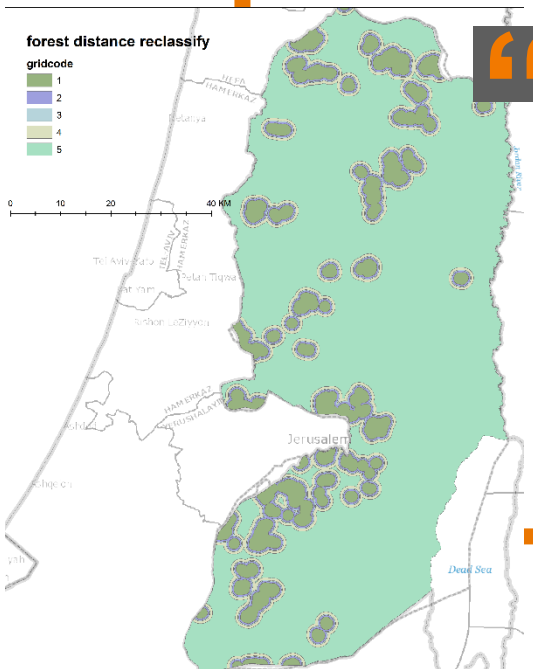
Jordan river



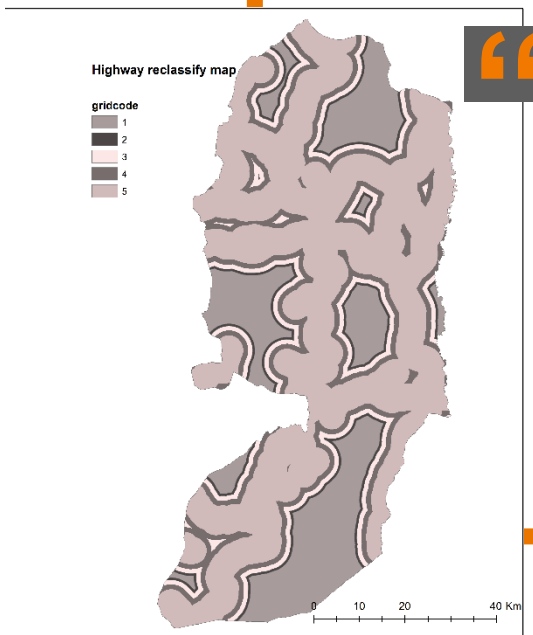
WELL

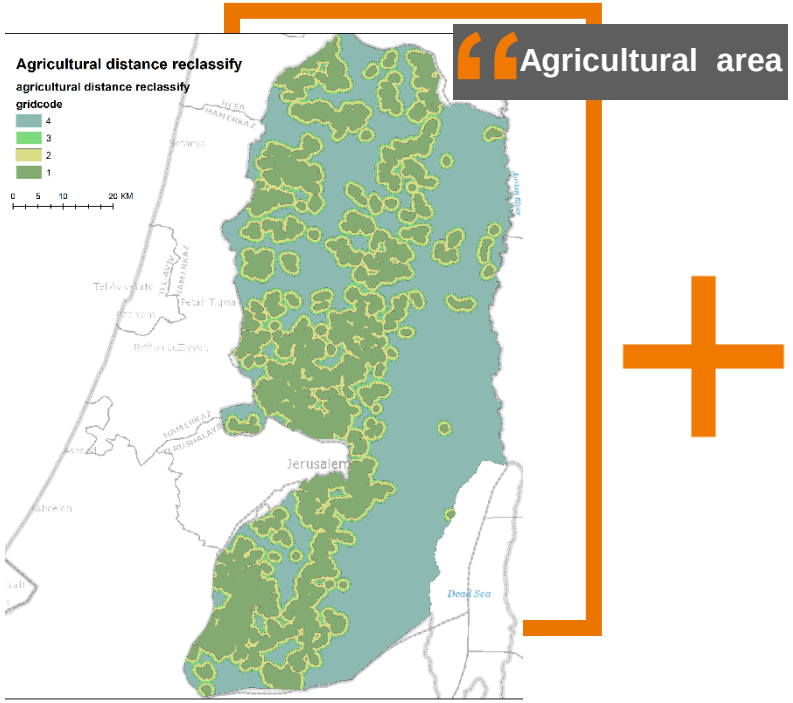


FOREST



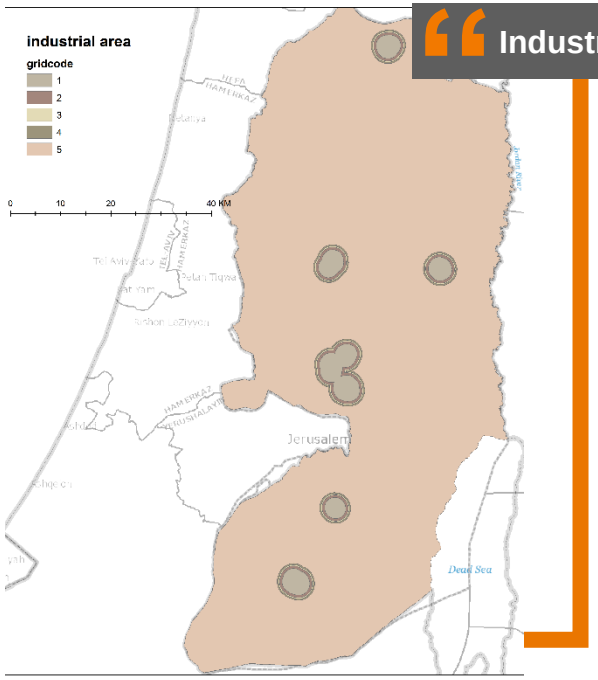
Highway



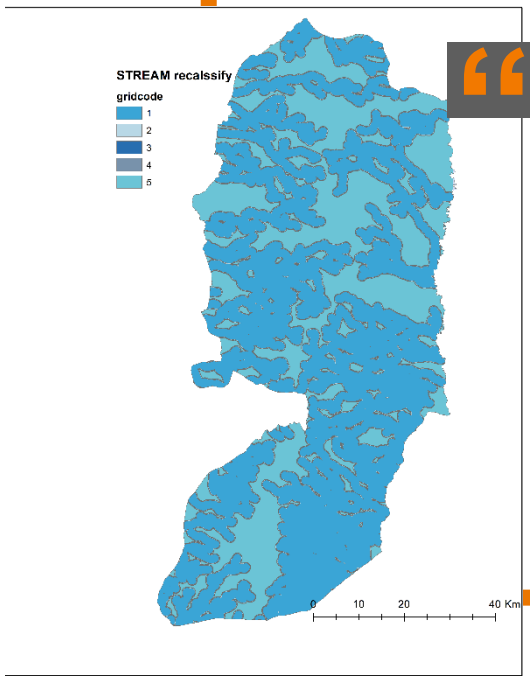


Agricultural area

+

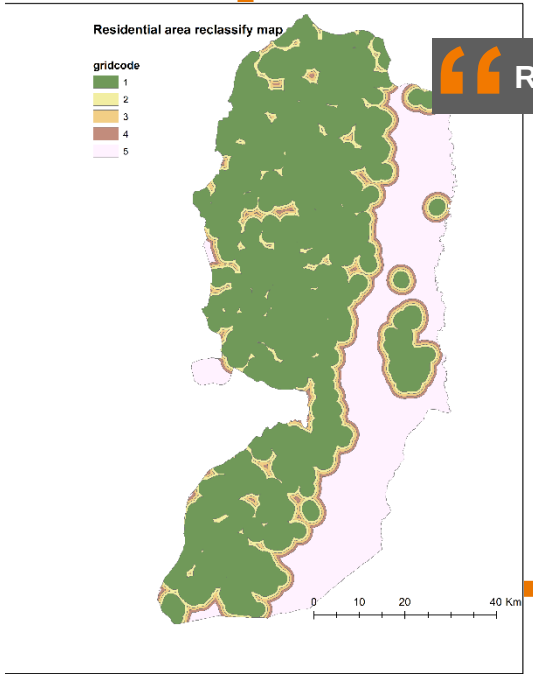


Industrial Area



Stream

+

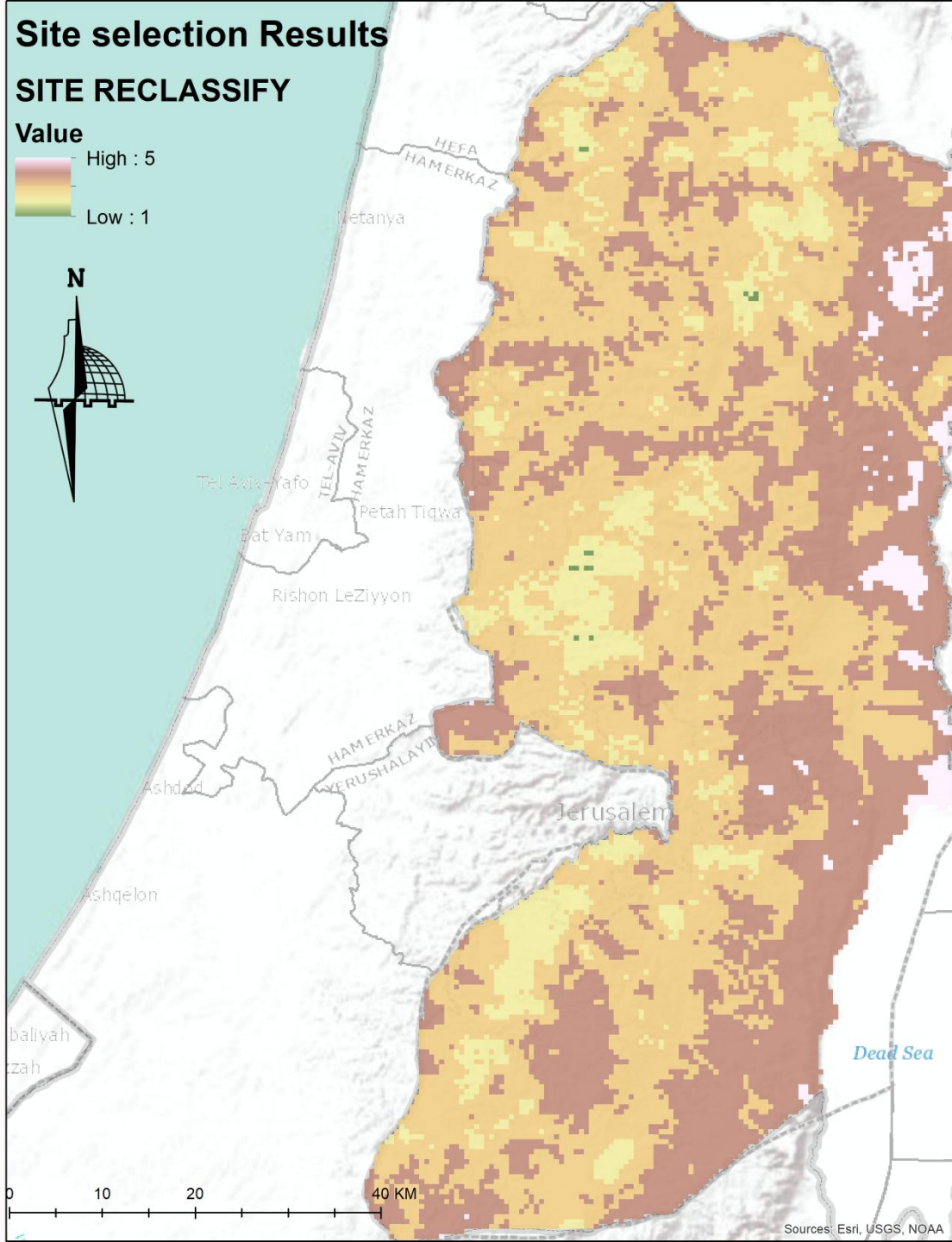


Residential area

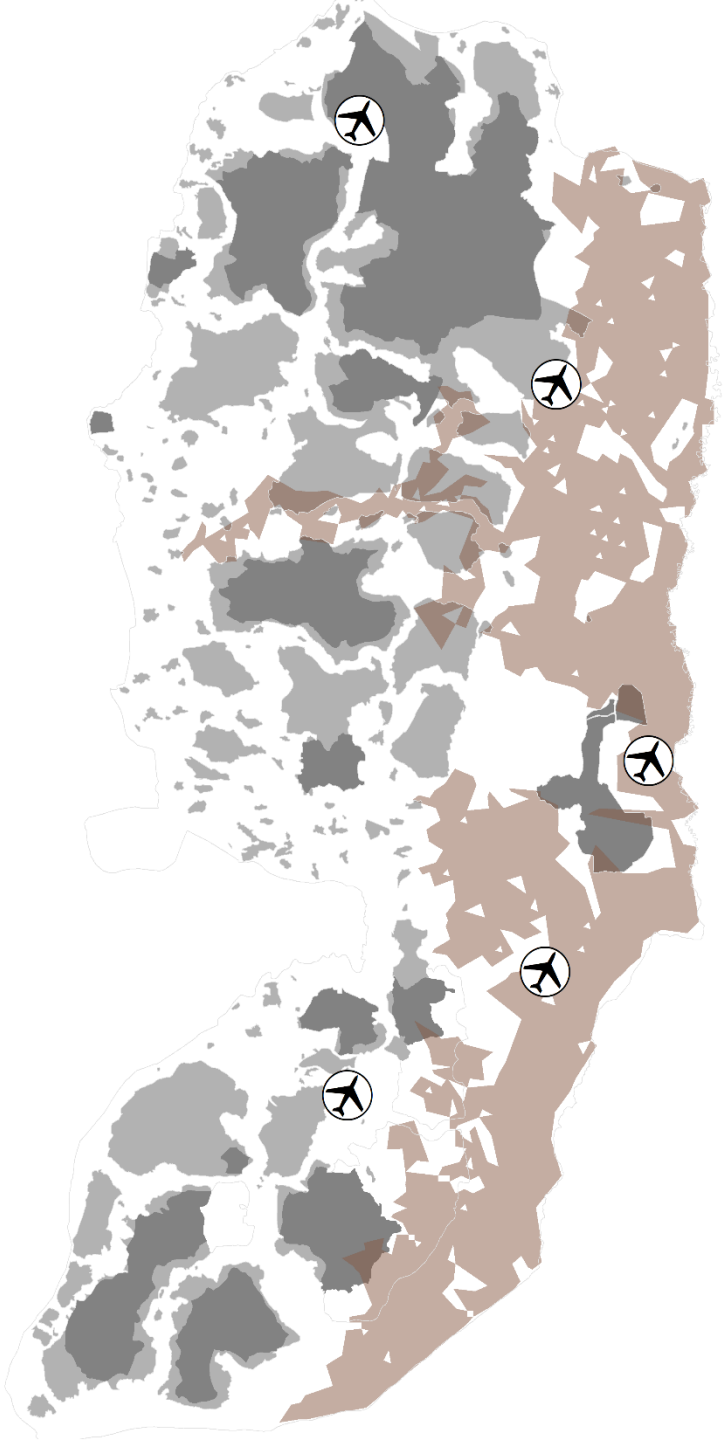
=

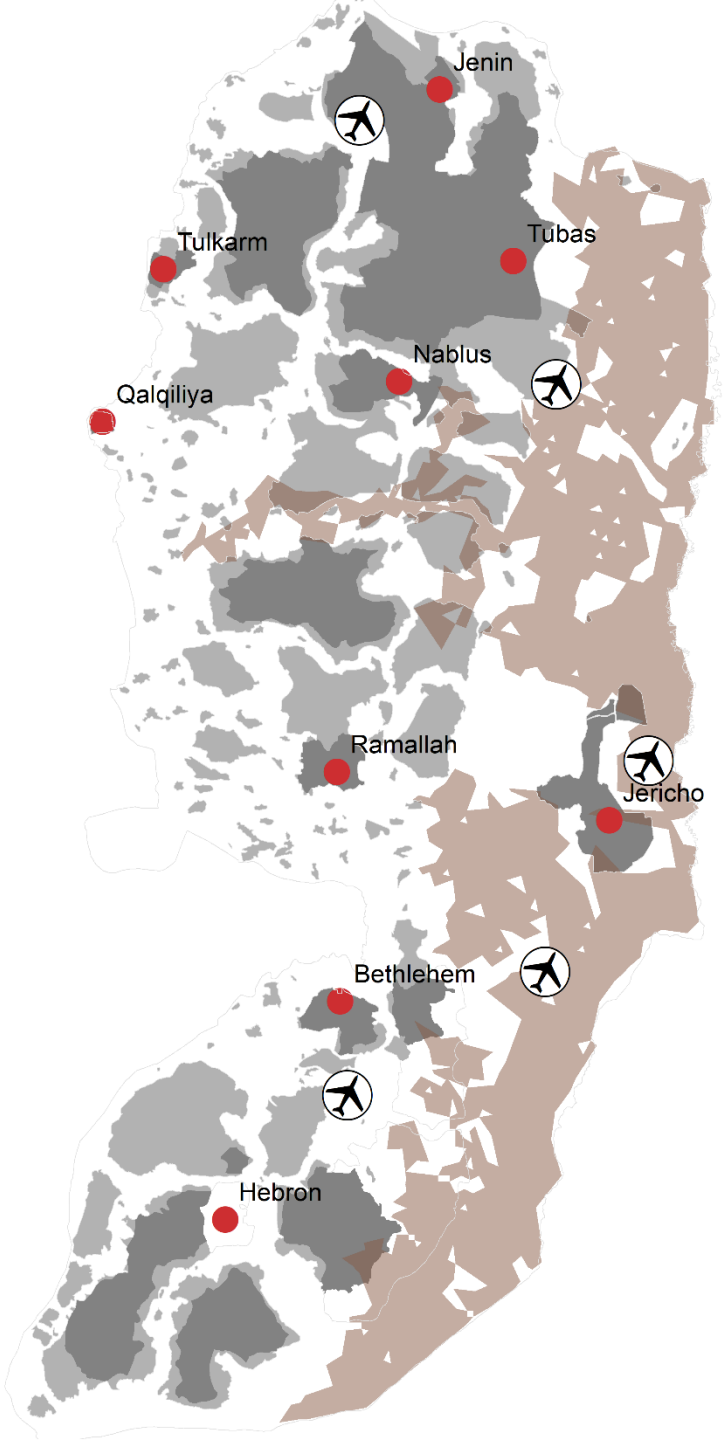
Weighted overlay

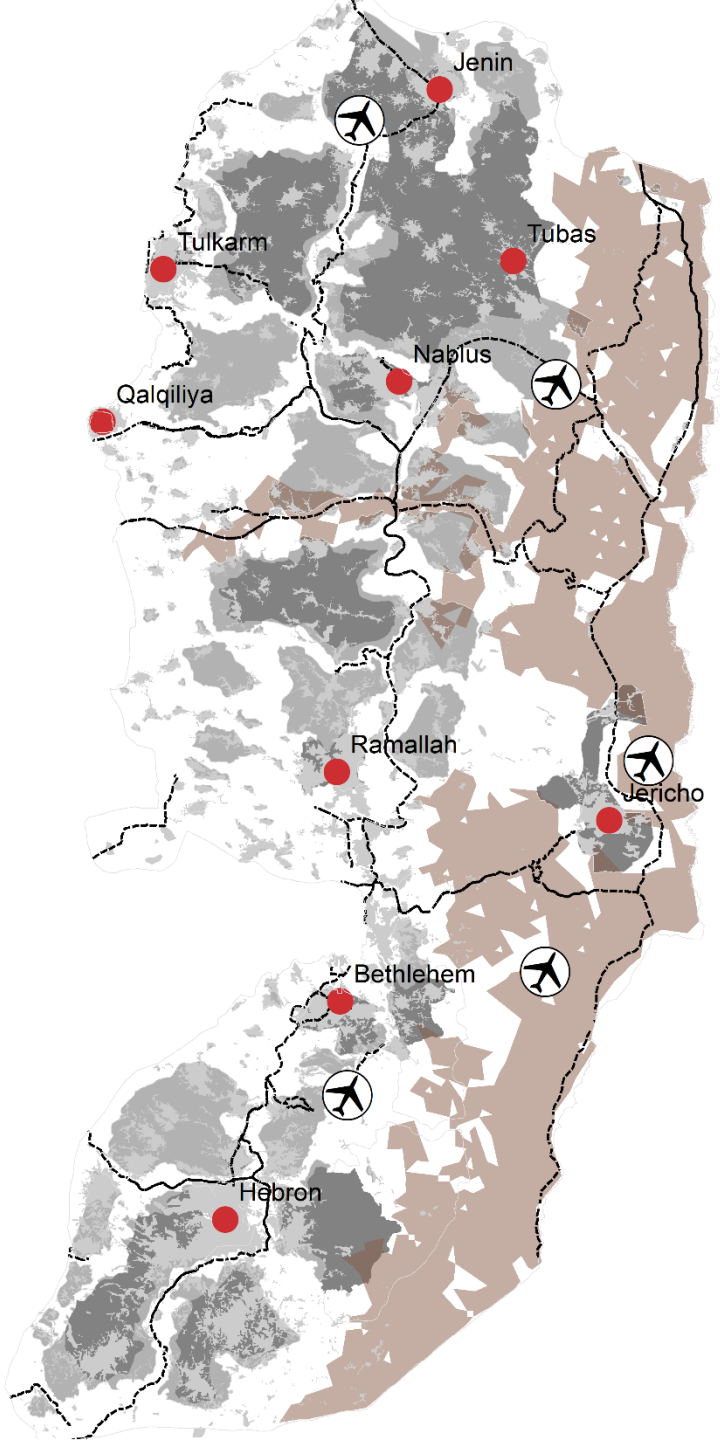
SITE SELECTION




“
We not looking for airport as a product




Jenin
Tulkarm
Tubas
Nablus
Qalqiliya
Ramallah
Jericho
Bethlehem
Hebron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Nablus
Qalqiliya
Ramallah
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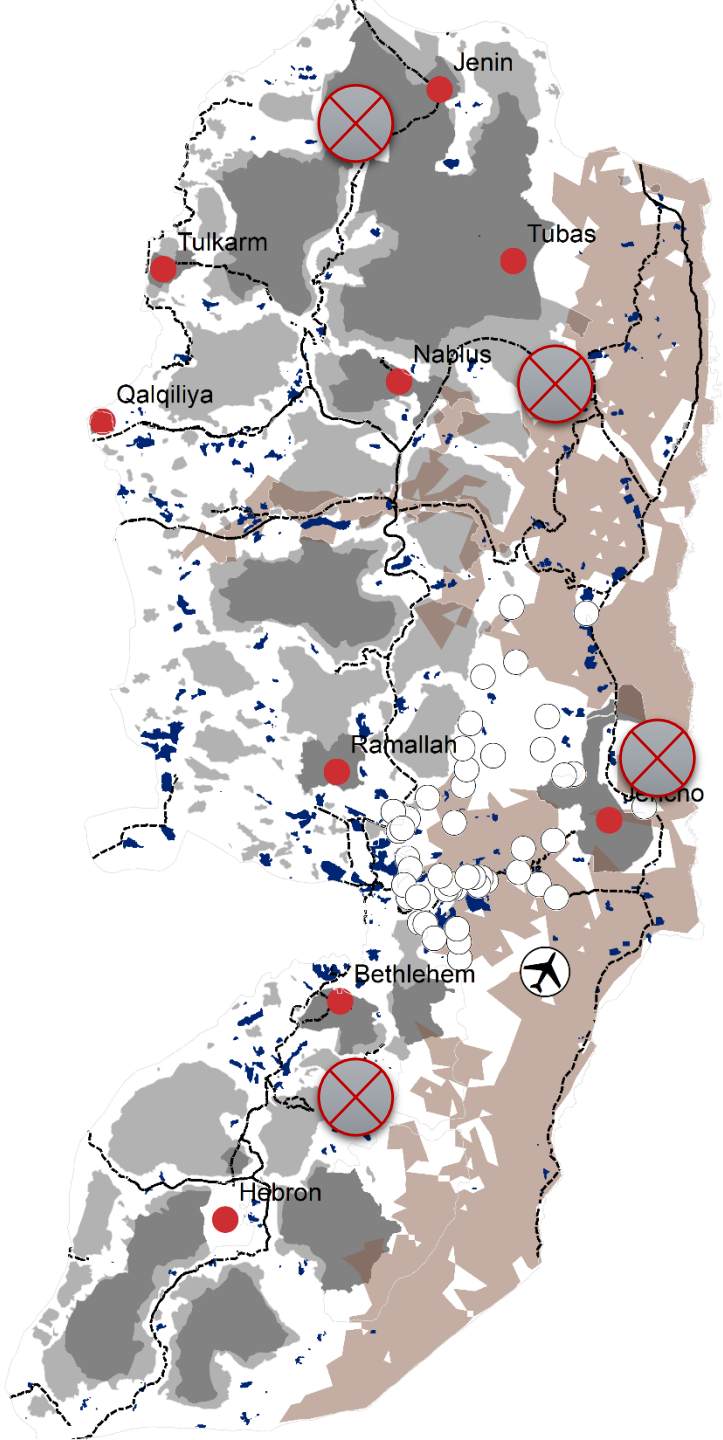
Bethlehem
Hebron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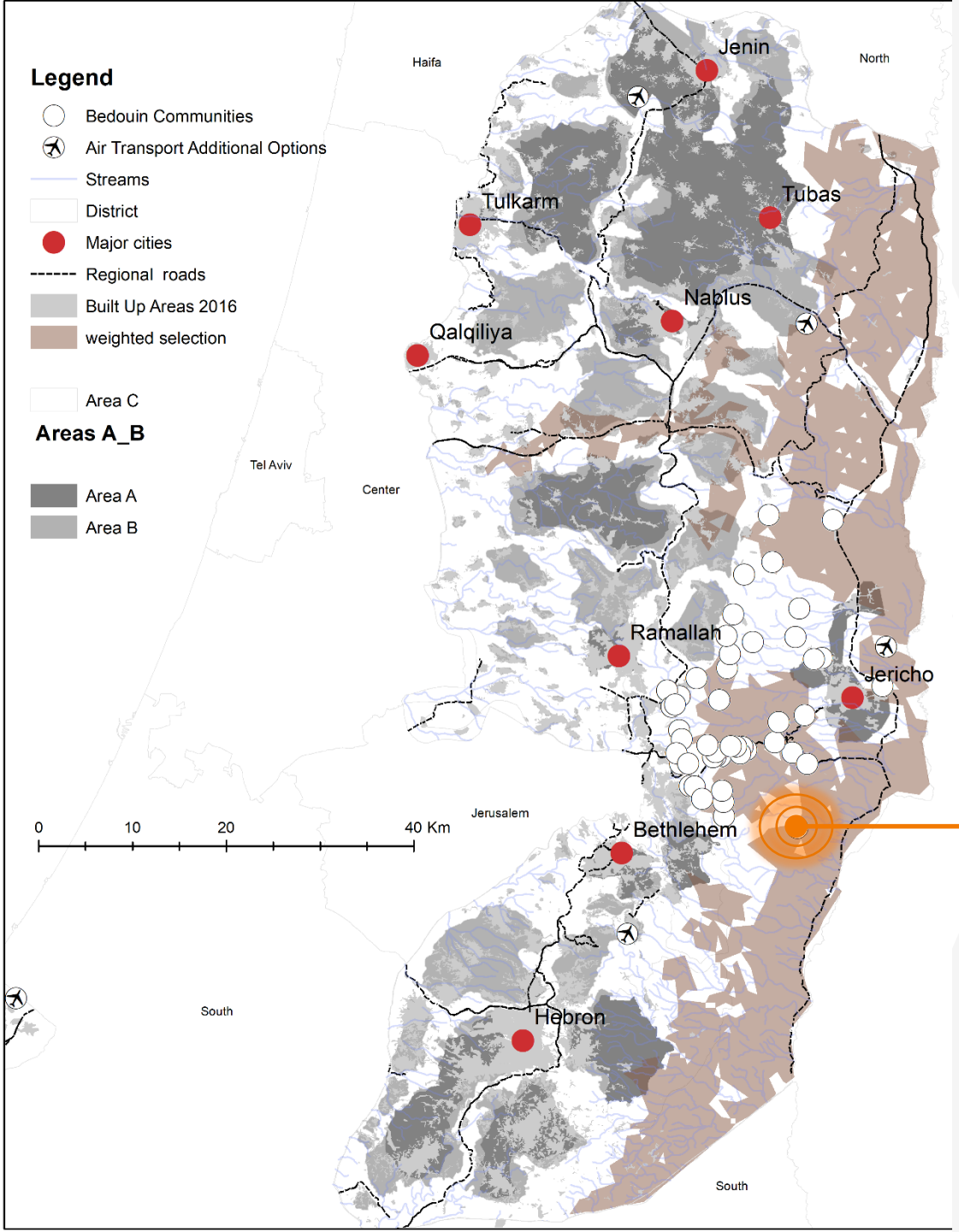
Hebron



South Jericho

Geopolitical reason

- Located in area C
- Separate gathering settlement

Social reason

- Serve Bedouin communities.

Locational suitability

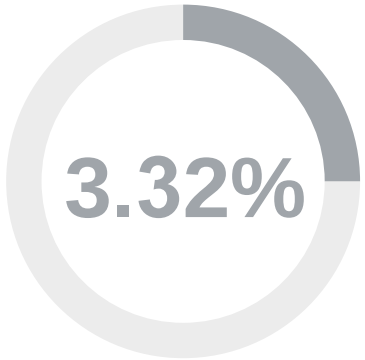
- In the middle of Westbank
- Availability of area for expansion

Accessibility

- Accessible area
- Near form most major cities

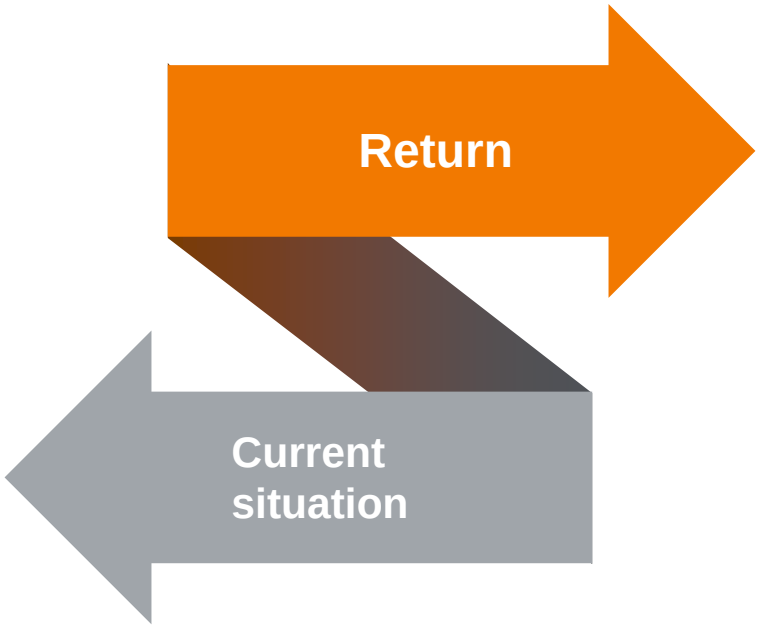
Population Growth:

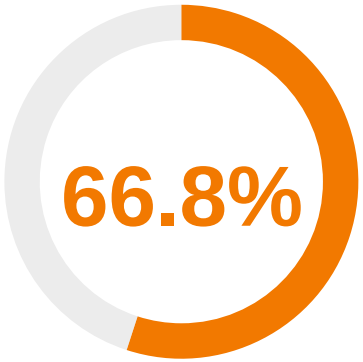
several scenarios were initially considered,



Normal growth

Palestinians in west bank in rate growth of





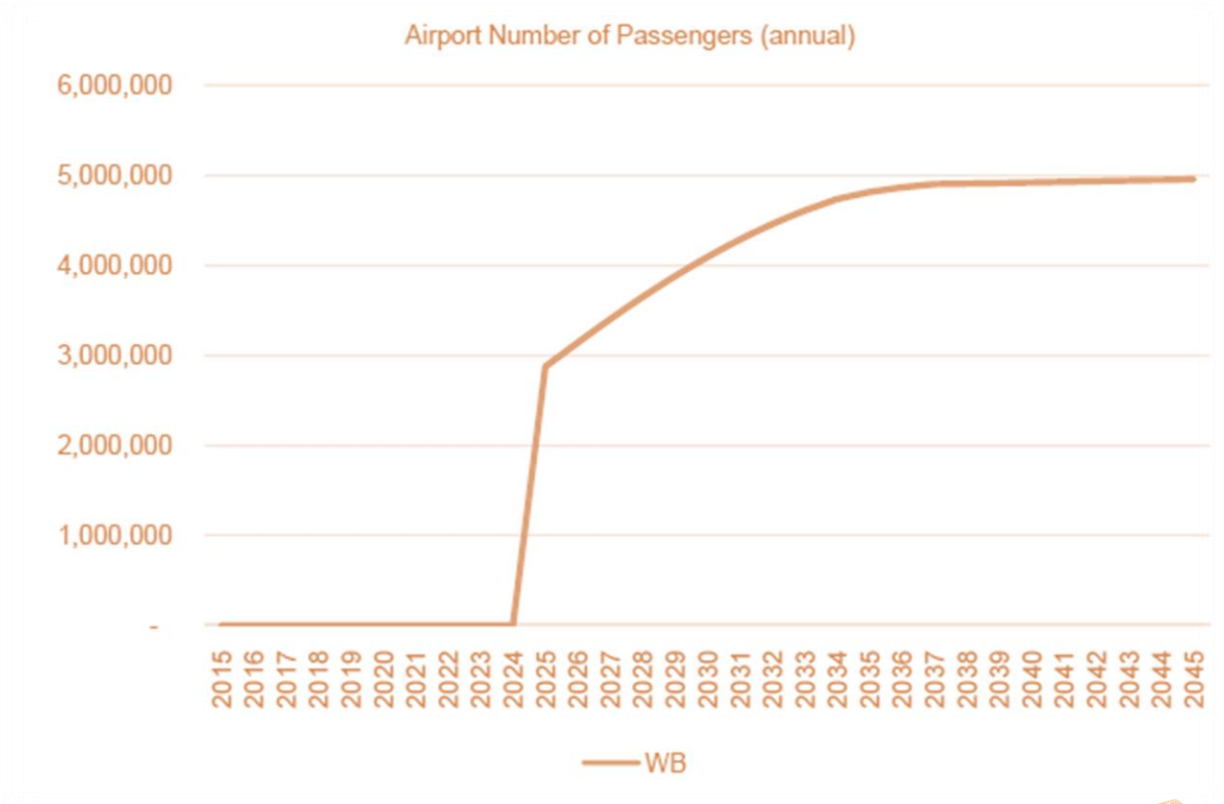
Return right

probable return of thousands of people of the Palestinian Diaspora

Aviation Forecasts in West Bank

West Bank and Annual Aviation Passenger Volume

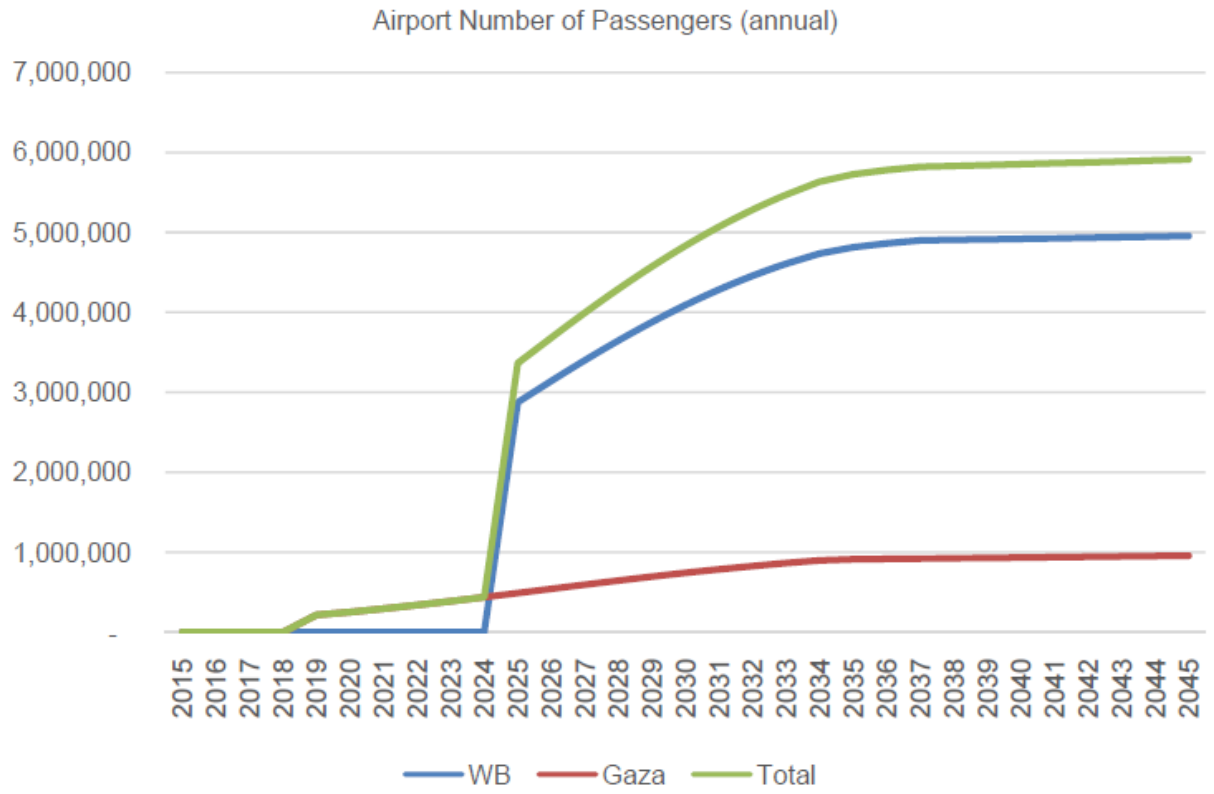
phases	Number of Passengers
Phase 1	-
Phase 2	4,285,311
Phase 3	4,900,865
Phase 4	4,955,343



Aviation Forecasts in West Bank and gaza strip

West Bank and Annual Aviation Passenger Volume

phases	Number of Passengers
Phase 1	437,741
Phase 2	5,070,147
Phase 3	5,820,152
Phase 4	5,910,950



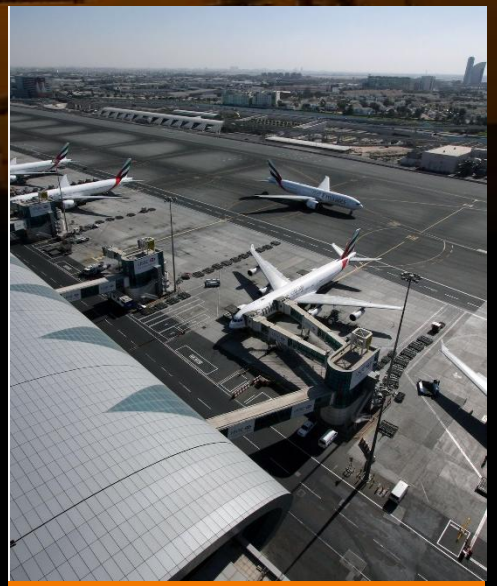
Airport in the West Bank
- designed to 5.0 MPPA.

Runway Length	4,500m
Runway Type	4F
Ter inal Facility (one floor)	45,000m
Apron	150,000sqm
Total Airport Site	2.60sqKm
Capacity (Initial)	5.0Mppa (million pax per year)

Military airbase of Palestine State

Civic education

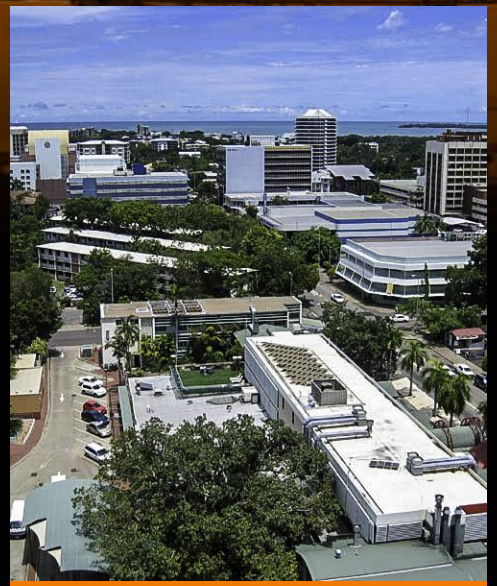
Open areas, nature based recreation areas, protected areas.



Aviation operational areas, terminal and aviation support areas

Mixed use commercial and industrial

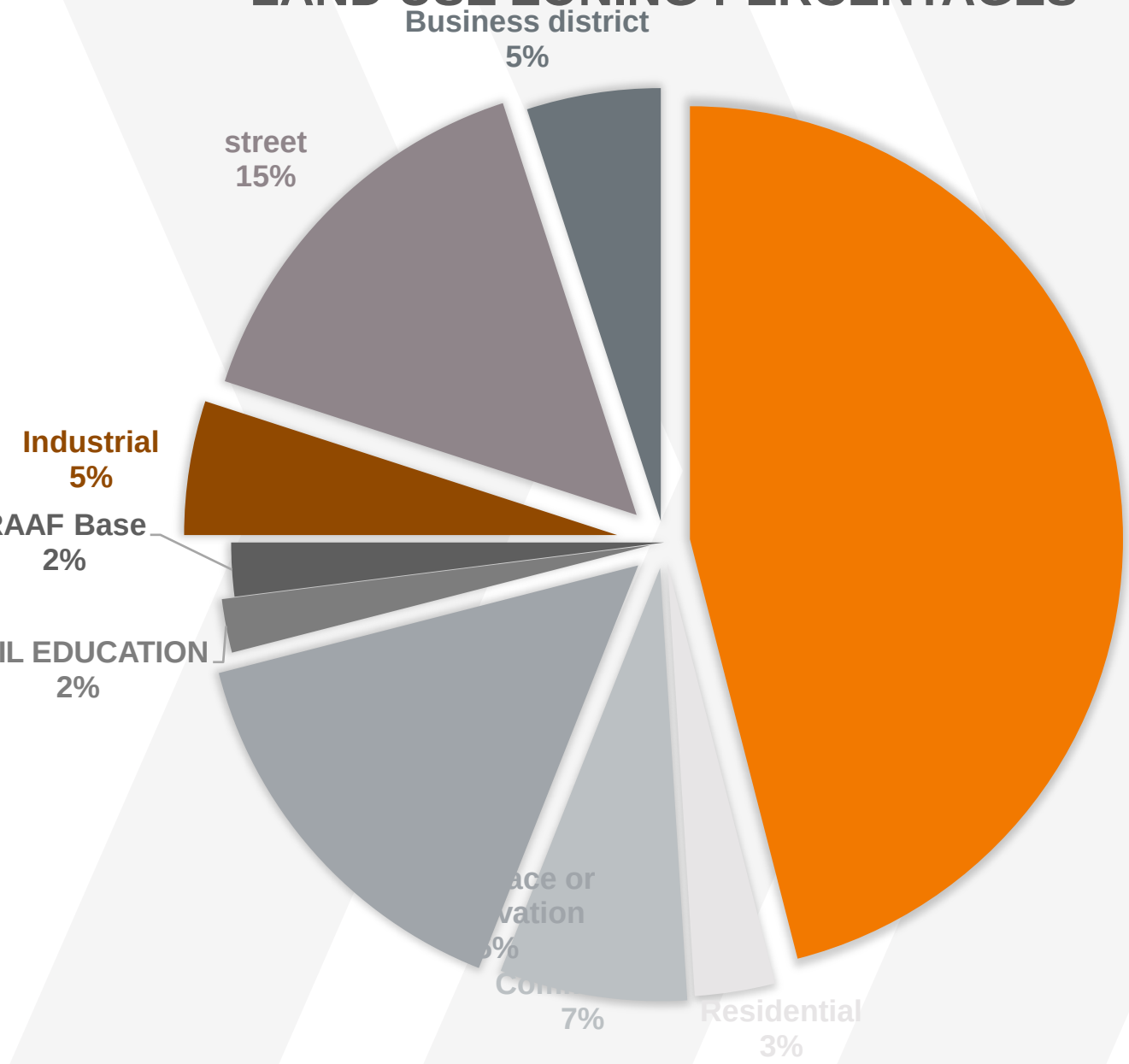
Predominant use is housing



Business district

Retail, business, community, leisure, entertainment, recreation, hotels, conference facilities, shopping centers

LAND USE ZONING PERCENTAGES



Total area: 10 sqKM

Site Analysis

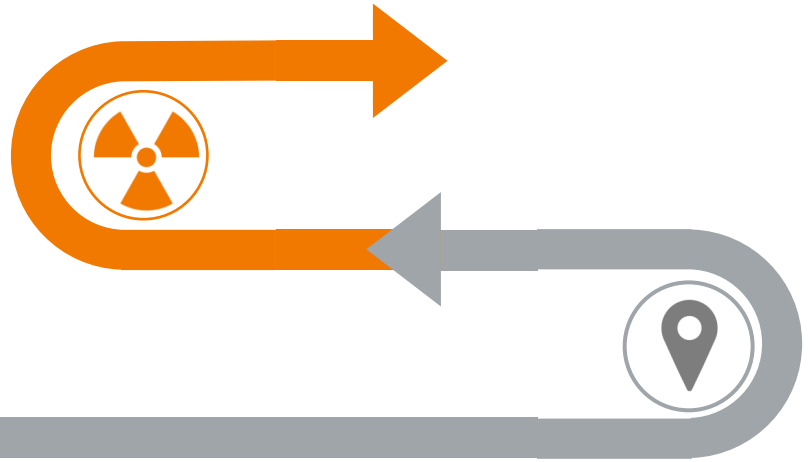
Site Analysis

Location description

Region ,communities ,cities

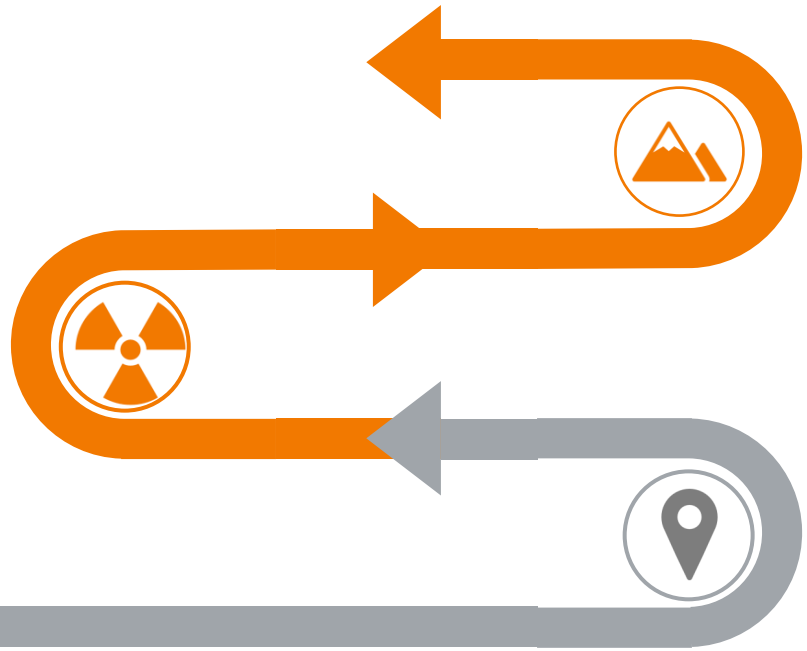
Site Analysis

Hazard analysis
Earthquake, fault



Location description
Region ,communities ,cities

Site Analysis



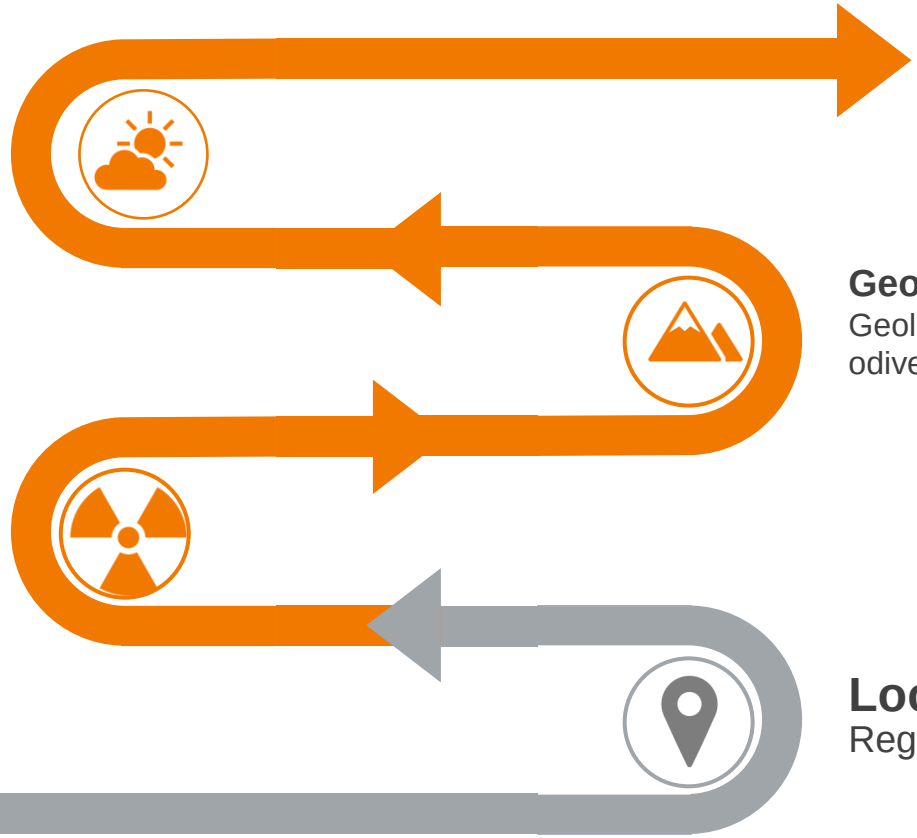
Geological analysis
Geology , Archeological , biodiversity

Hazard analysis
Earthquake, fault

Location description
Region ,communities ,cities

Site Analysis

surface meteorology
Sun, wind, insolation, clearness, temperature wet, precipitation



Geological analysis
Geology , Archeological , bi odiversity

Hazard analysis
Earthquake, fault

Location description
Region ,communities ,cities

Site Analysis

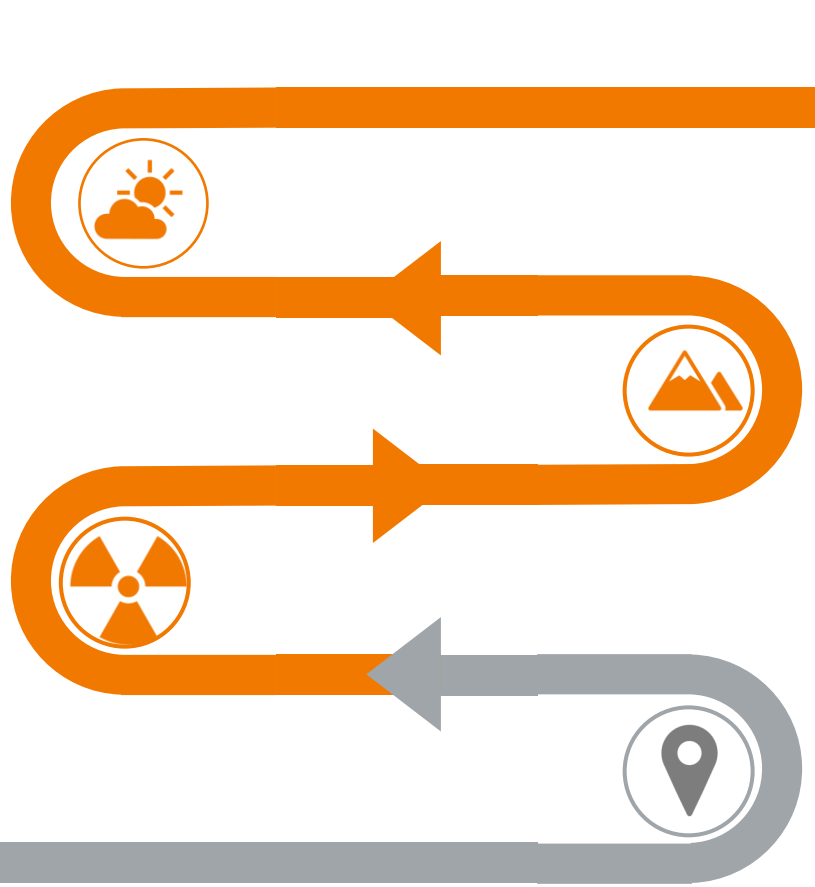
surface meteorology
Sun, wind, insolation, clearness, temperature wet, precipitation

Concept
Land uses

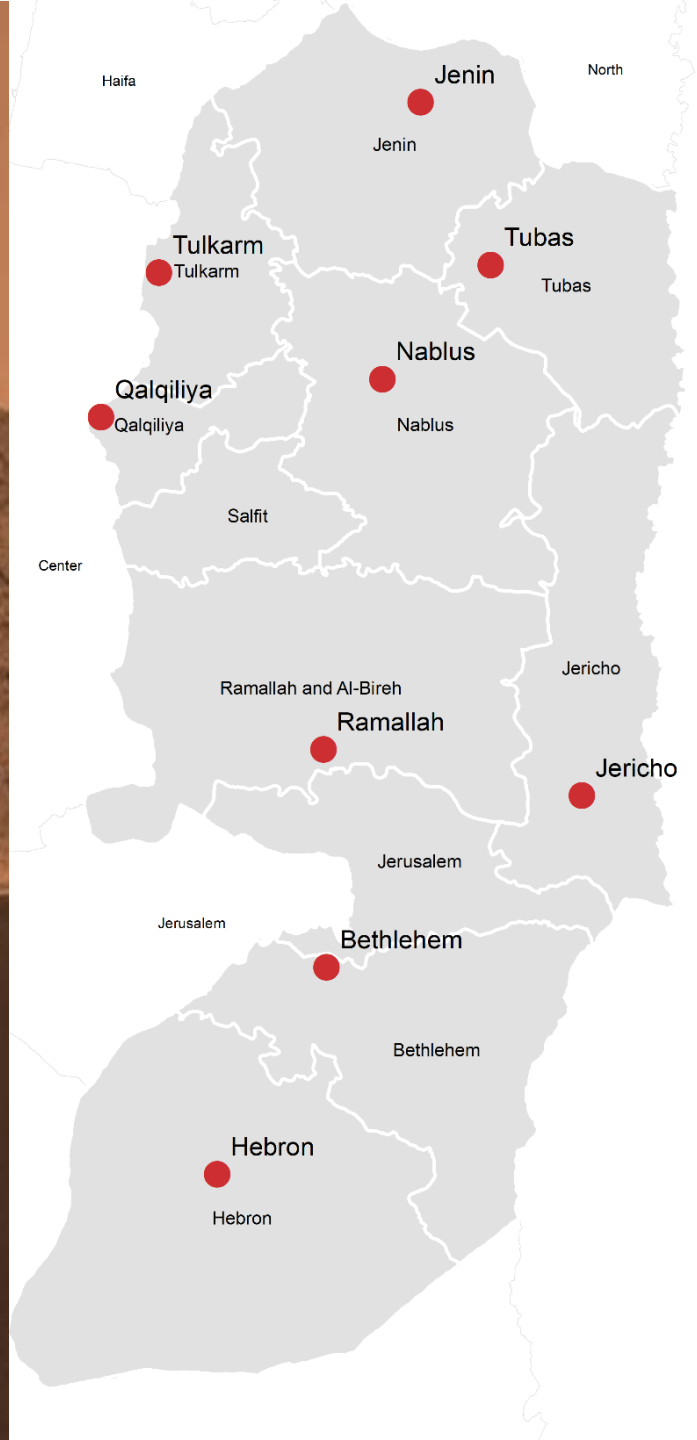
Geological analysis
Geology , Archeological , bi odiversity

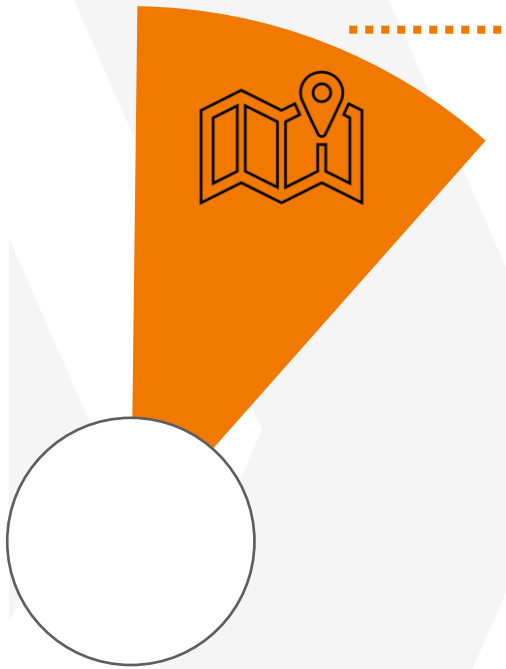
Hazard analysis
Earthquake, fault

Location description
Region ,communities ,cities



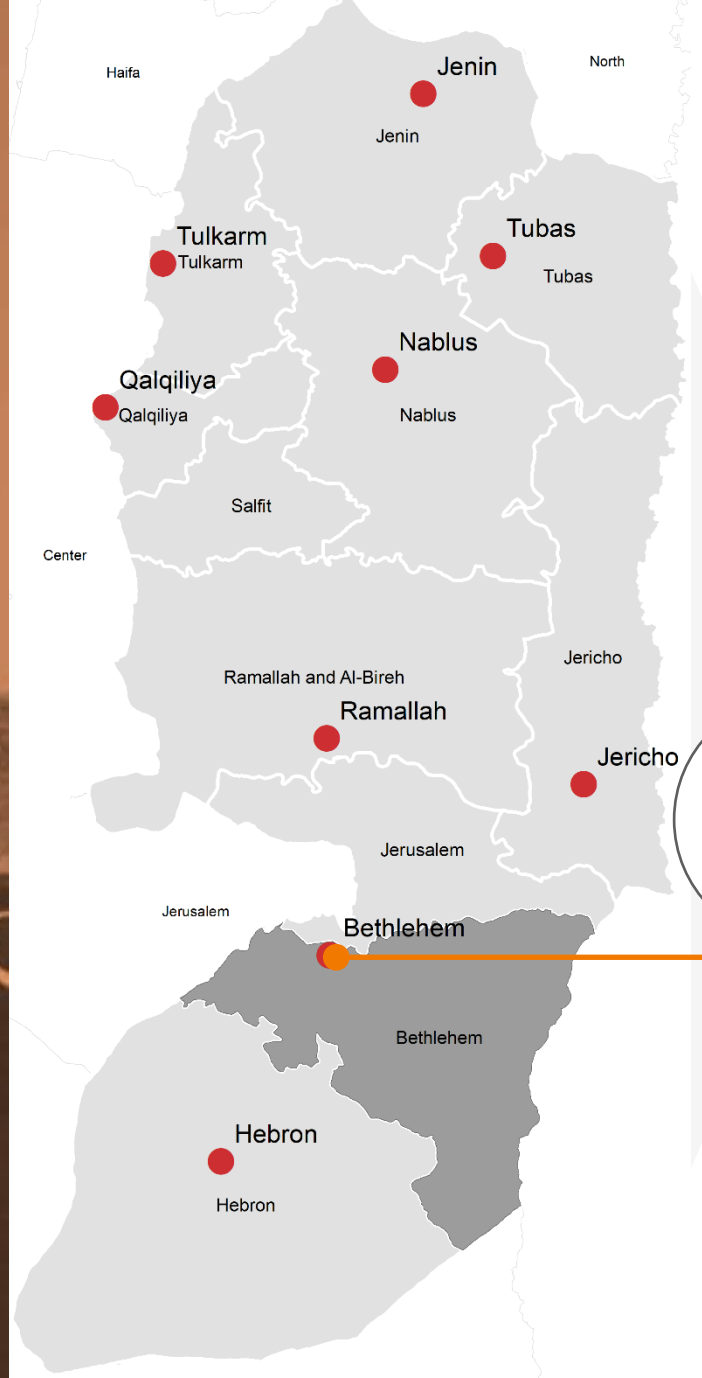
Location





At west bank

Location



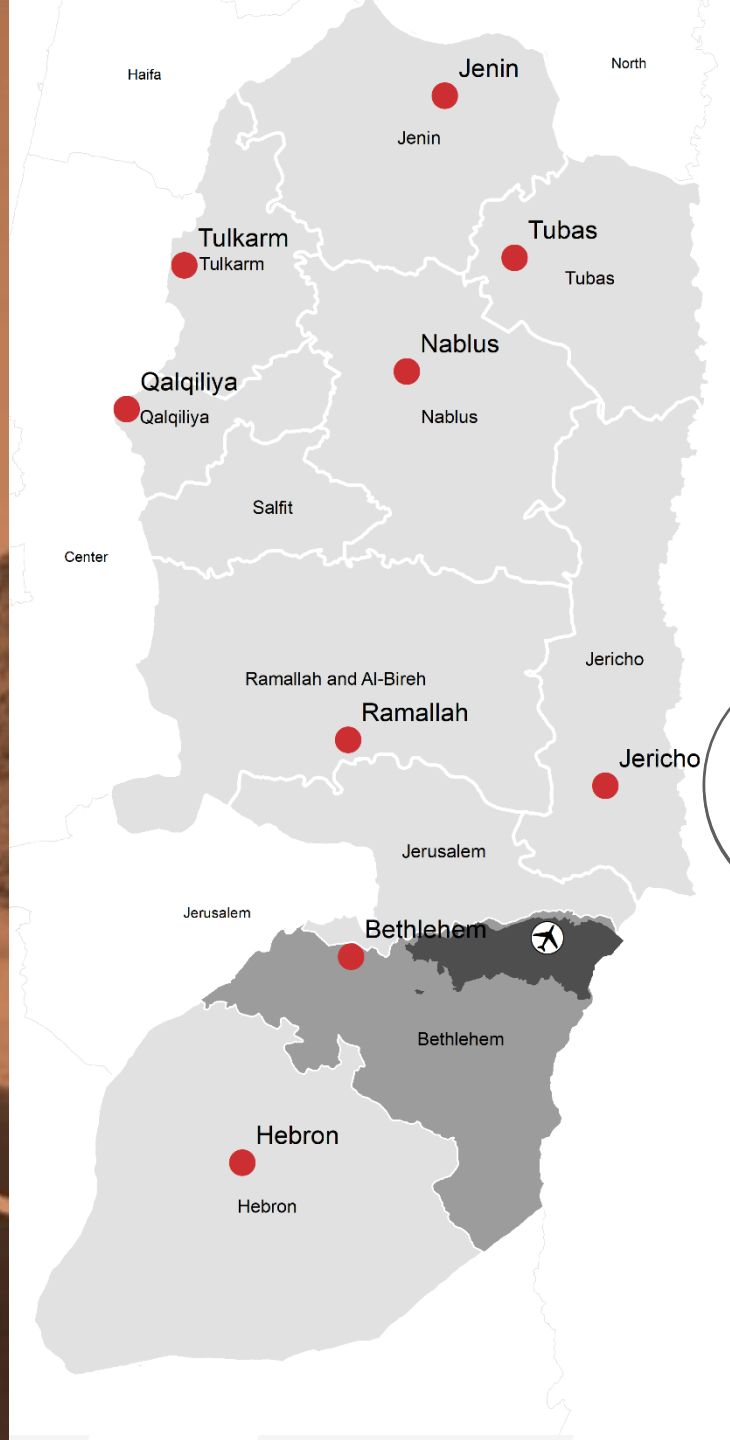
REG

West bank

Gov

Bethlehem

Location



REG

West bank

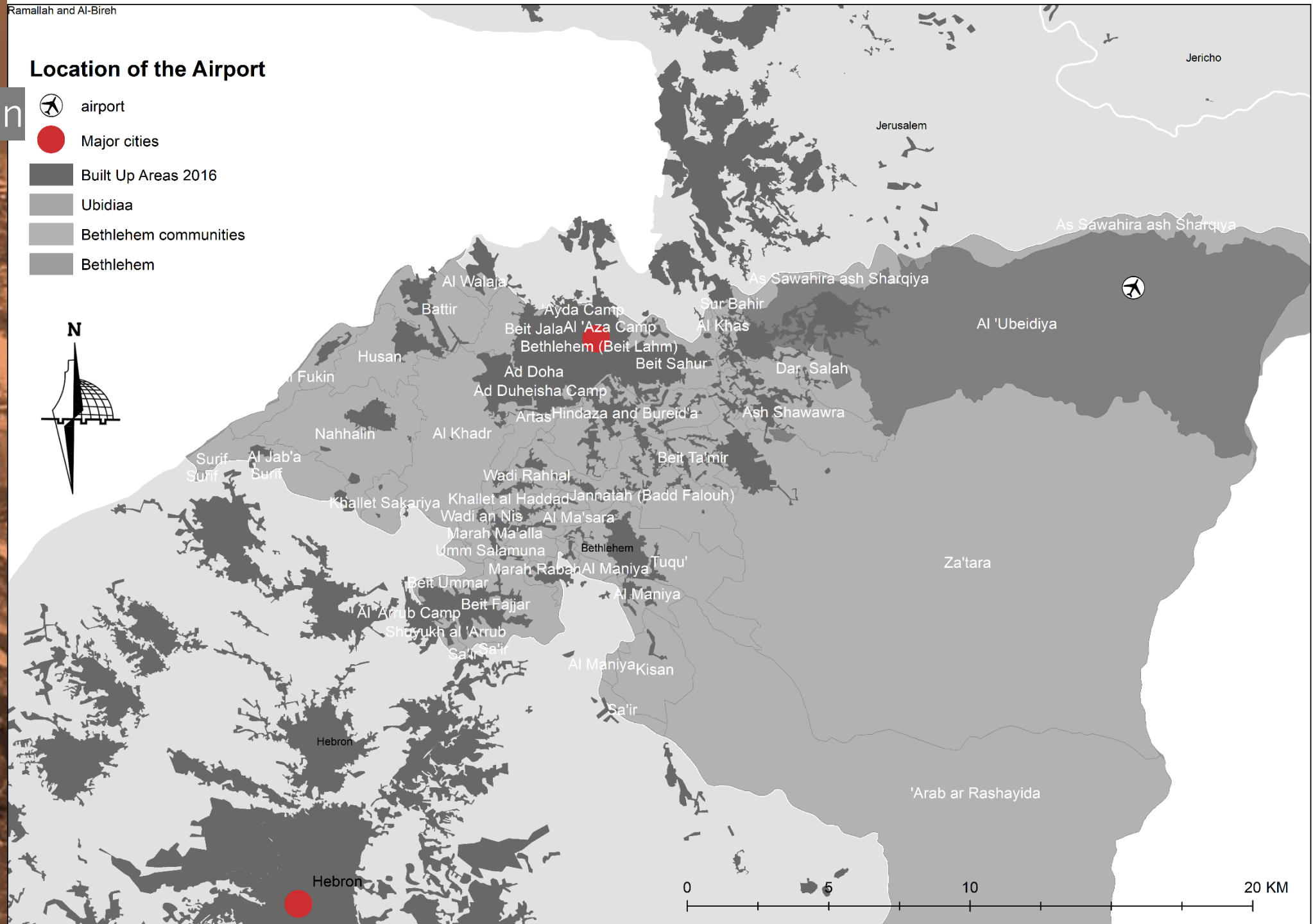
Gov

Bethlehem

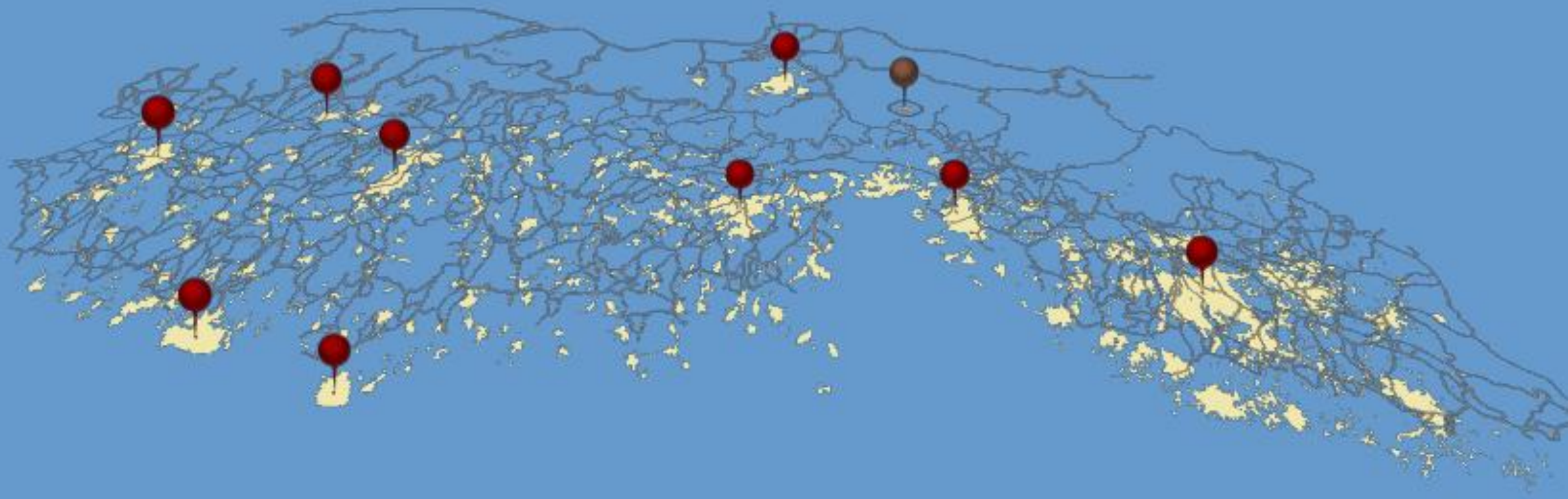
Comm

Al-Ubaidia

Location

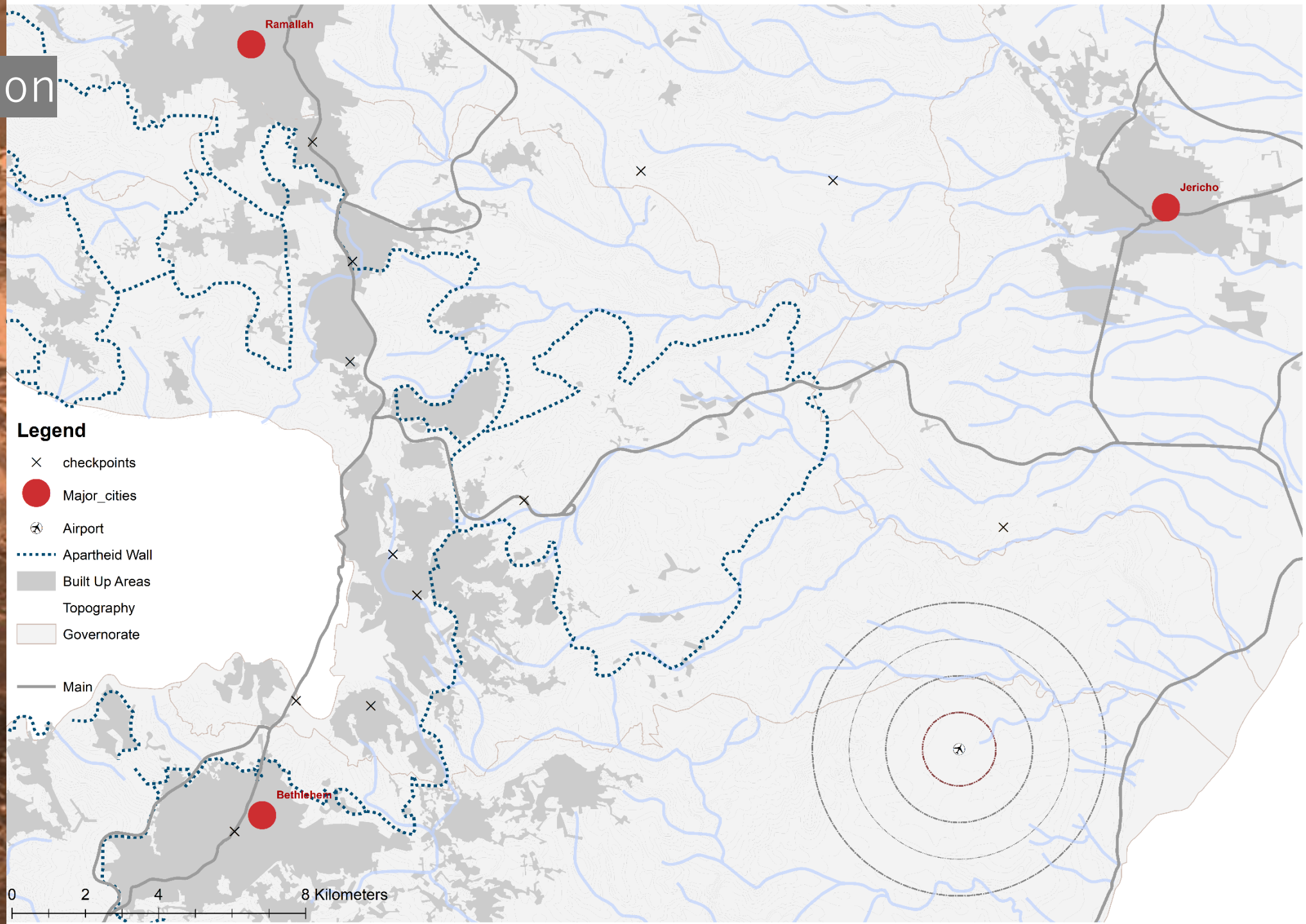

Ramallah and Al-Bireh
Location of the Airport
airport
Major cities
Built Up Areas 2016
Ubidiaa
Bethlehem communities
Bethlehem
N
Jericho
Jerusalem
As Sawahira ash Sharqiya
Al Walaja
Battir
Ayda Camp
Beit Jala
Al 'Aza Camp
Bethlehem (Beit Lahm)
Sur Bahir
Al Khas
Al 'Ubeidiya
Husan
Beit Sahur
Dar Salah
Ad Doha
Ad Duheisha Camp
Artas
Hindaza and Bureid'a
Ash Shawawra
Nahhalin
Al Khadr
Surif
Al Jab'a
Beit Ta'mir
Wadi Rahhal
Khallet Sakariya
Khallet al Haddad
Jannatah (Badd Falouh)
Wadi an Nis
Al Ma'sara
Marah Ma'alla
Umm Salamuna
Bethlehem
Marah Rabah
Al Maniya
Tuqu'
Za'tara
Beit Ummar
Beit Fajjar
Al 'Arrub Camp
Shuyukh al 'Arrub
Sa'ir
Kisan
Hebron
'Arab ar Rashayida
0
5
10
20 KM

Airport with cities reference



Airport with cities reference

Location


Ramallah
Jericho
Bethlehem
Legend
checkpoints
Major_cities
Airport
Apartheid Wall
Built Up Areas
Topography
Governorate
Main
0
2
4
8 Kilometers

Location

Ramallah

Jericho

Bethlehem

28 KM

16 KM

19 KM

4000 m

3000 m

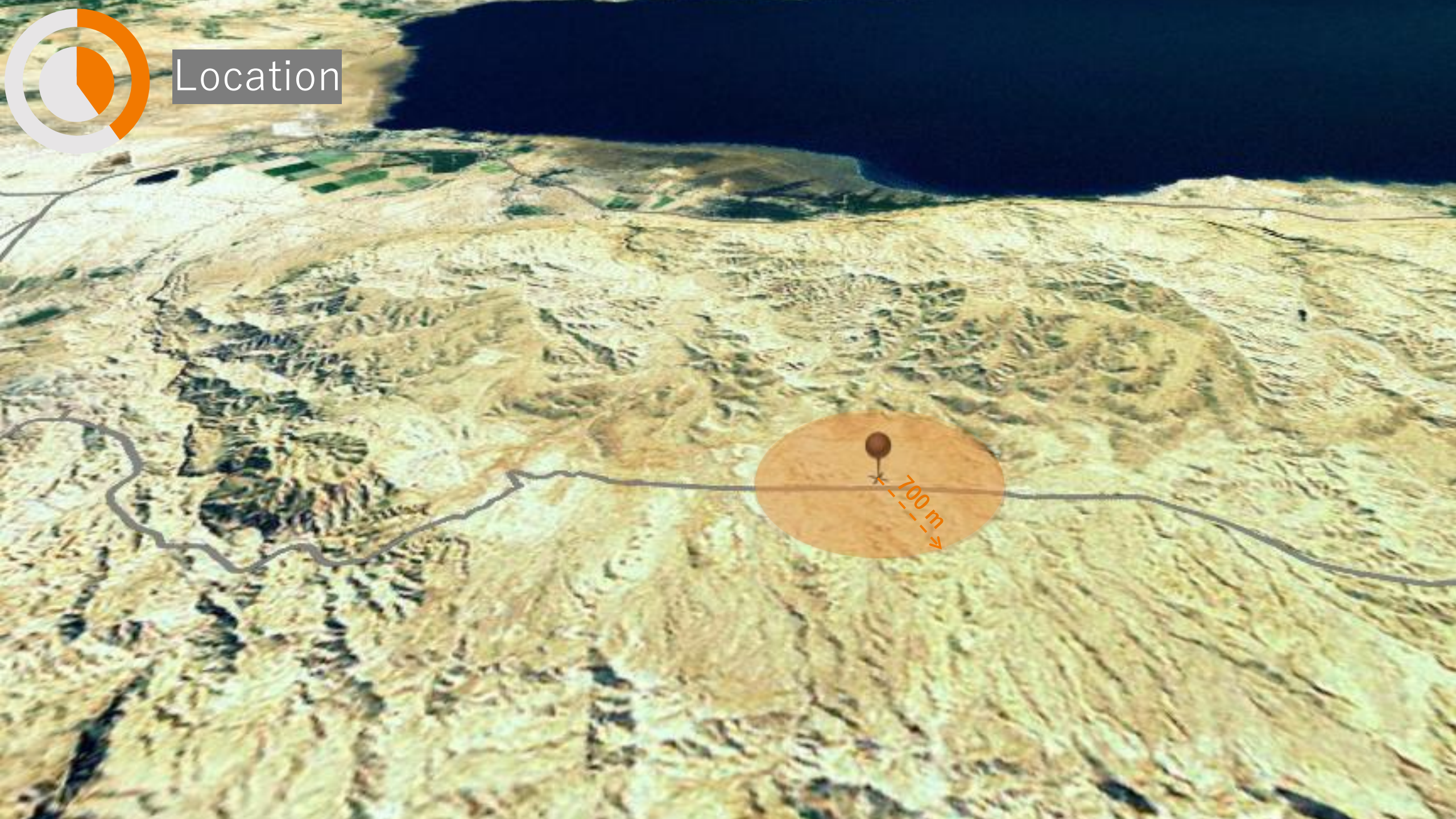
2000 m

Legend

- checkpoints
- Major_cities
- Airport
- Apartheid Wall
- Built Up Areas
- Topography
- Governorate
- Main

N

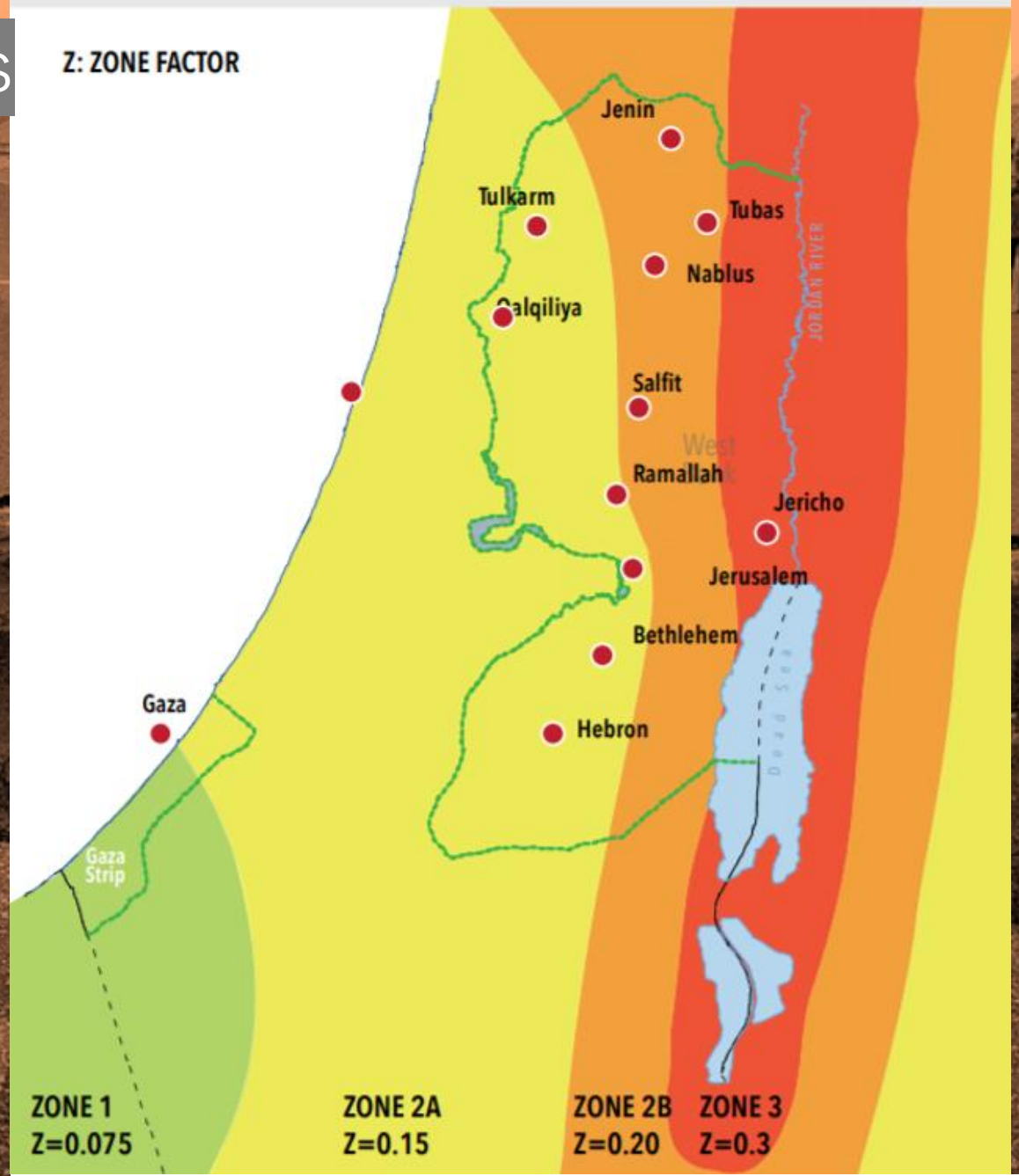
0 2 4 8 Kilometers

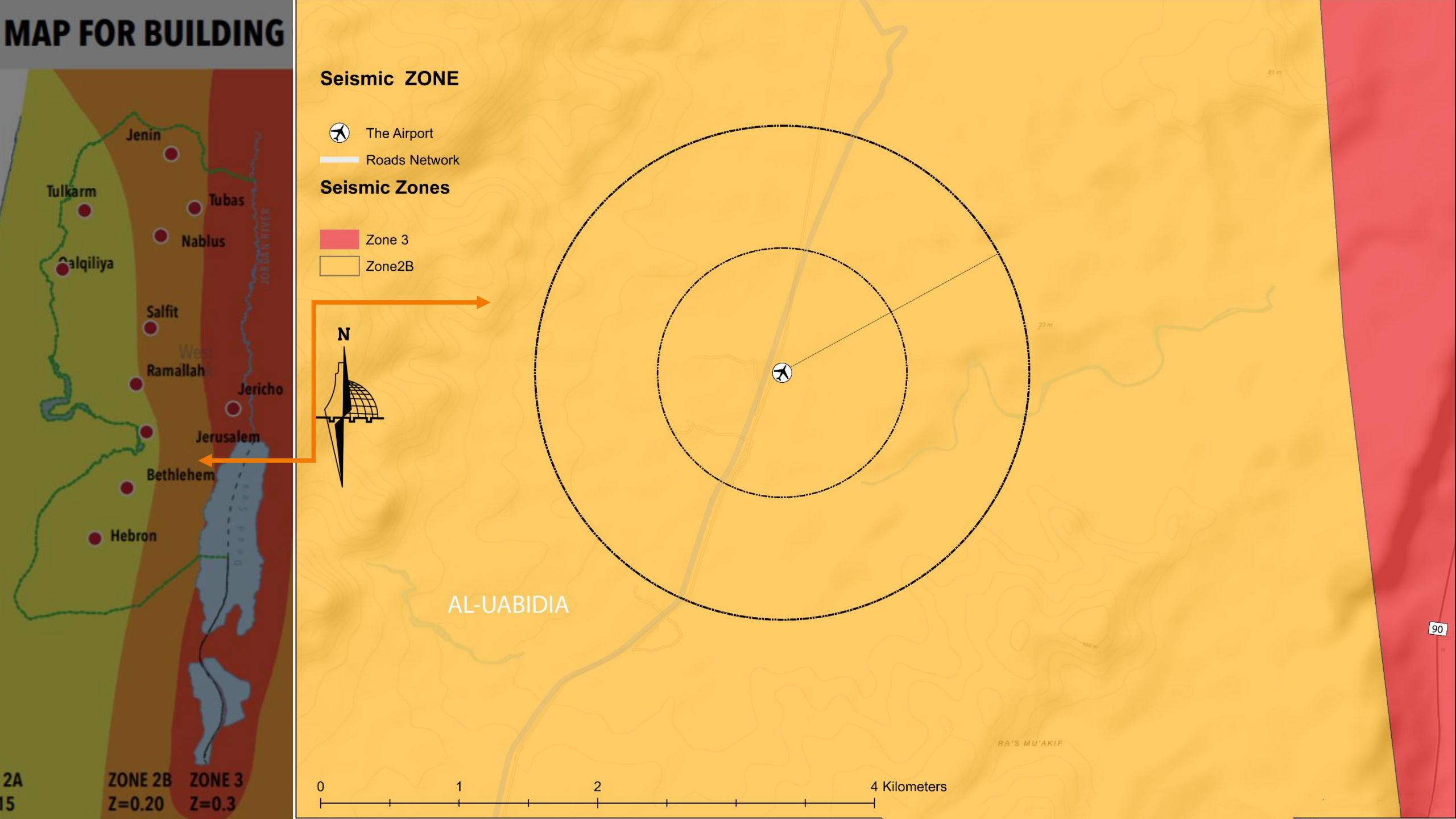

Location
700 m

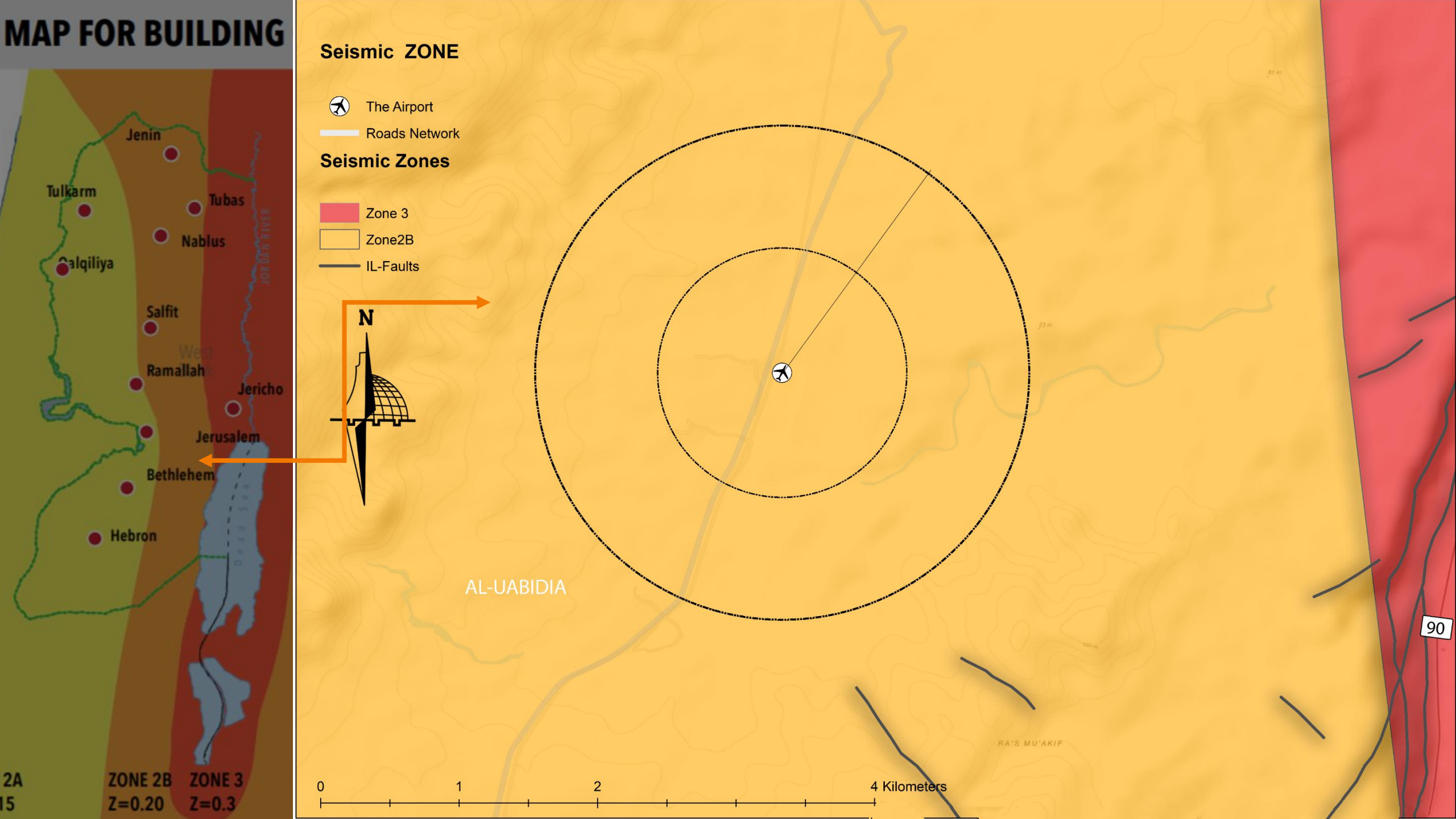
Location

Hazards

SEISMIC HAZARD MAP FOR BUILDING CODES




MAP FOR BUILDING
Jenin
Tulkarm
Tubas
Nablus
Salfit
Ramallah
Jericho
Jerusalem
Bethlehem
Hebron
ZONE 2B
Z=0.20
ZONE 3
Z=0.3
Seismic ZONE
The Airport
Roads Network
Seismic Zones
Zone 3
Zone2B
N
AL-UABIDIA
0
1
2
4 Kilometers


MAP FOR BUILDING
Jenin
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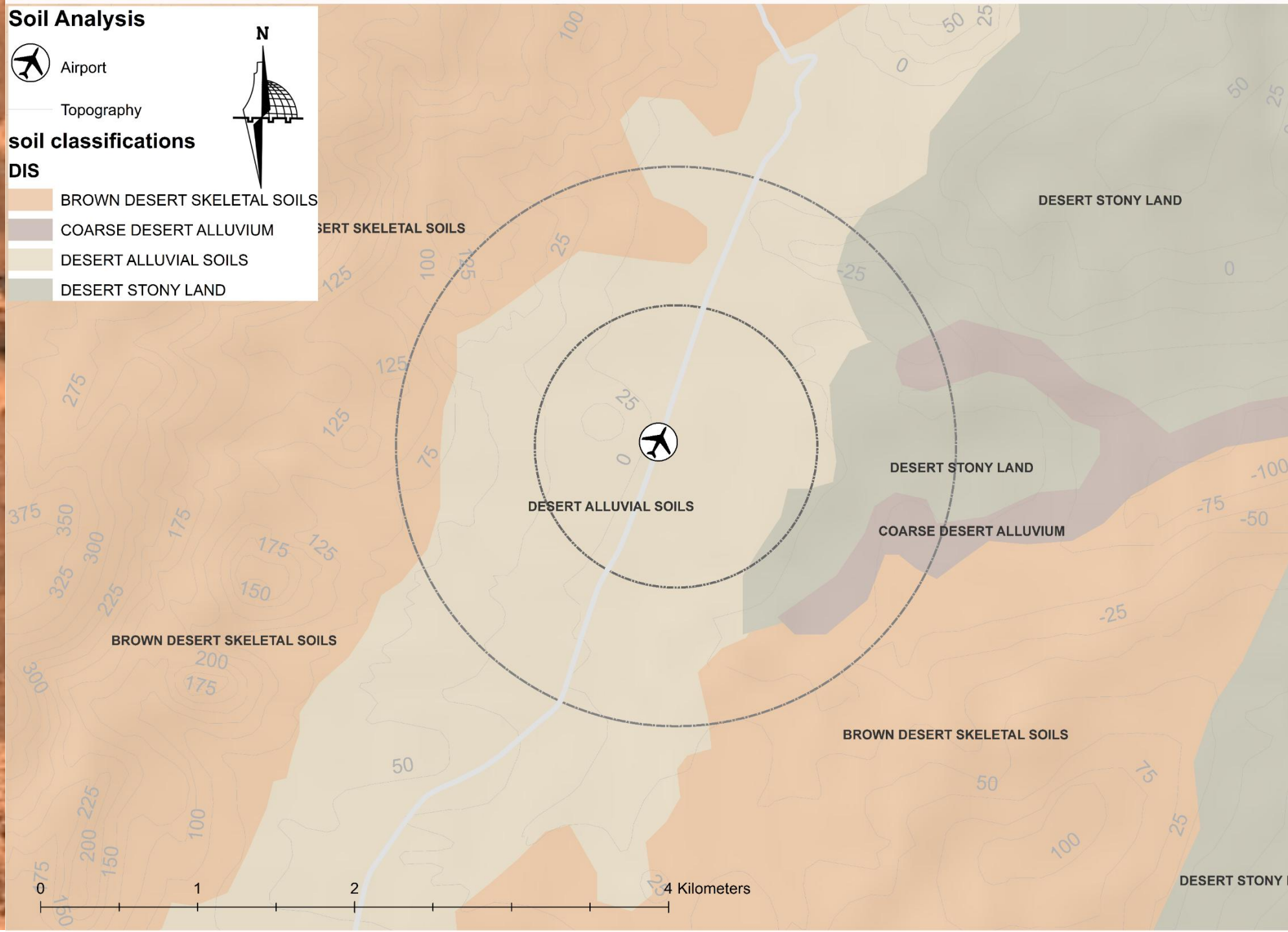
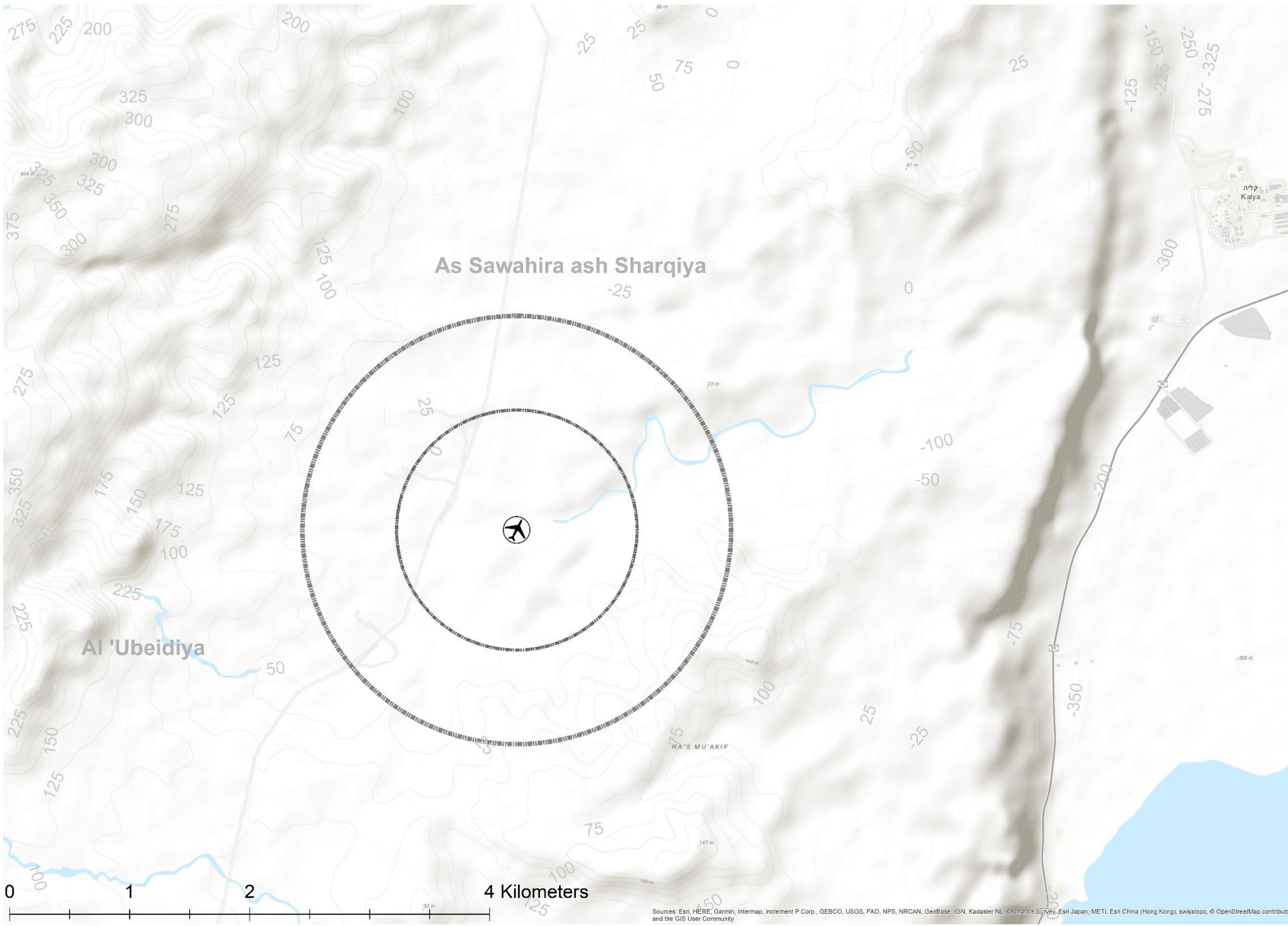
ZONE 2B
Z=0.20
ZONE 3
Z=0.3
Seismic ZONE
The Airport
Roads Network
Seismic Zones
Zone 3
Zone2B
IL-Faults
N
AL-UABIDIA
RA'S MU'AKIF
90
0
1
2
4 Kilometers

Surface analysis

Soil analysis

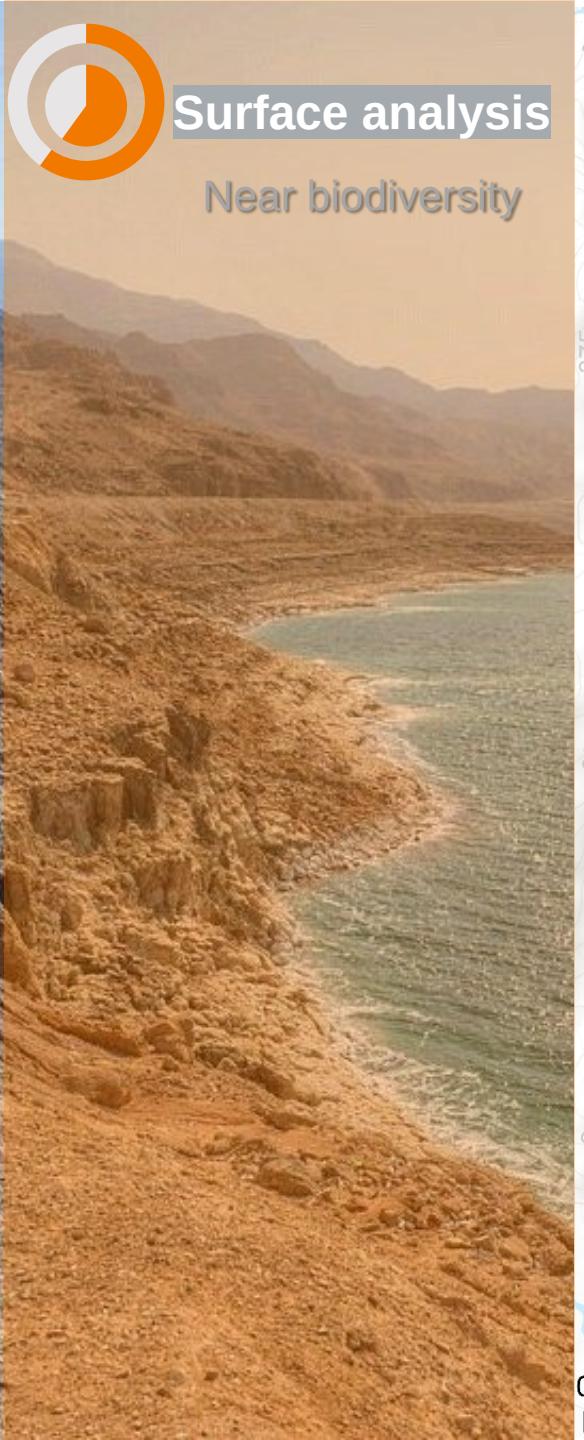


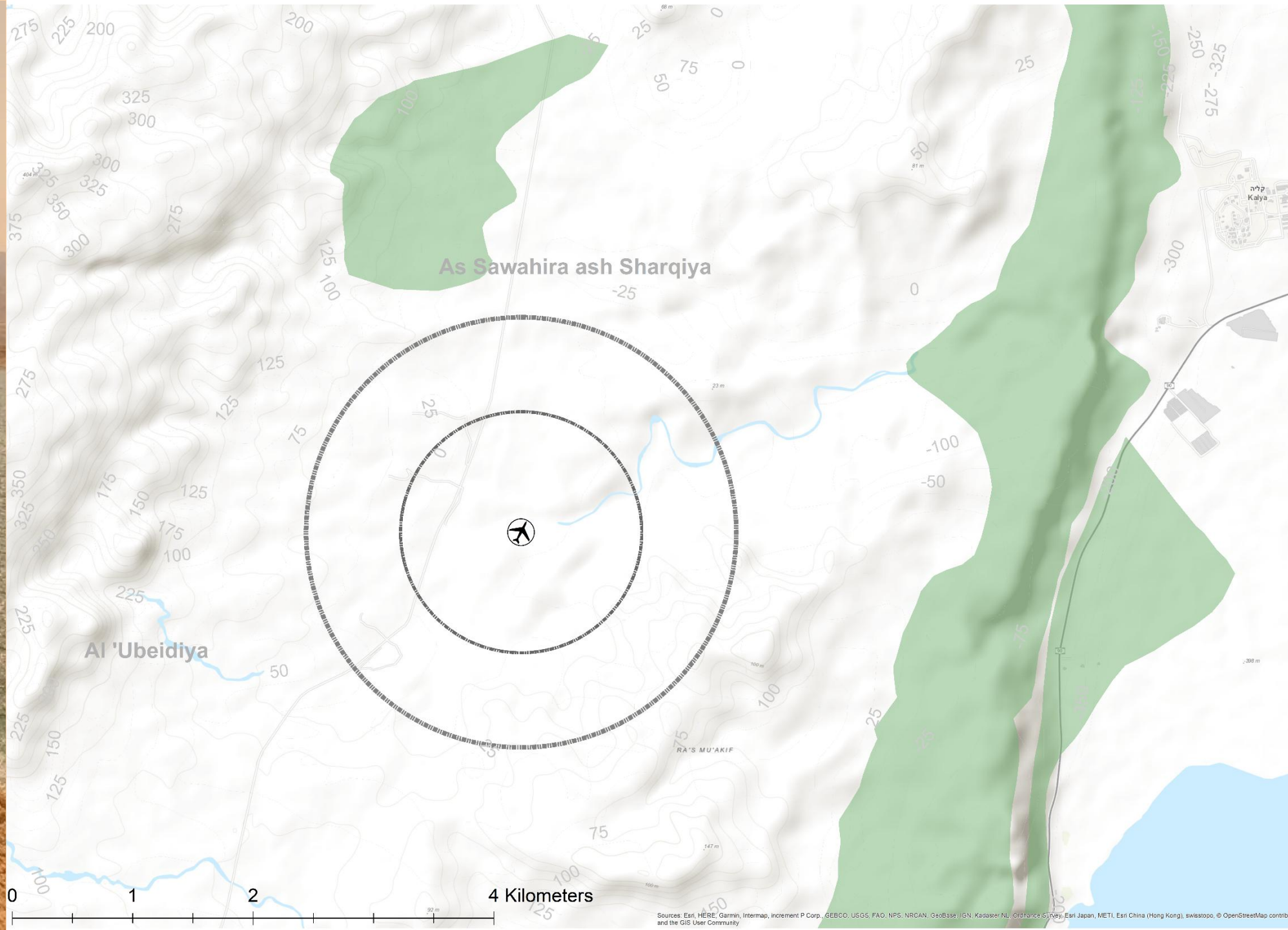
Surface analysis



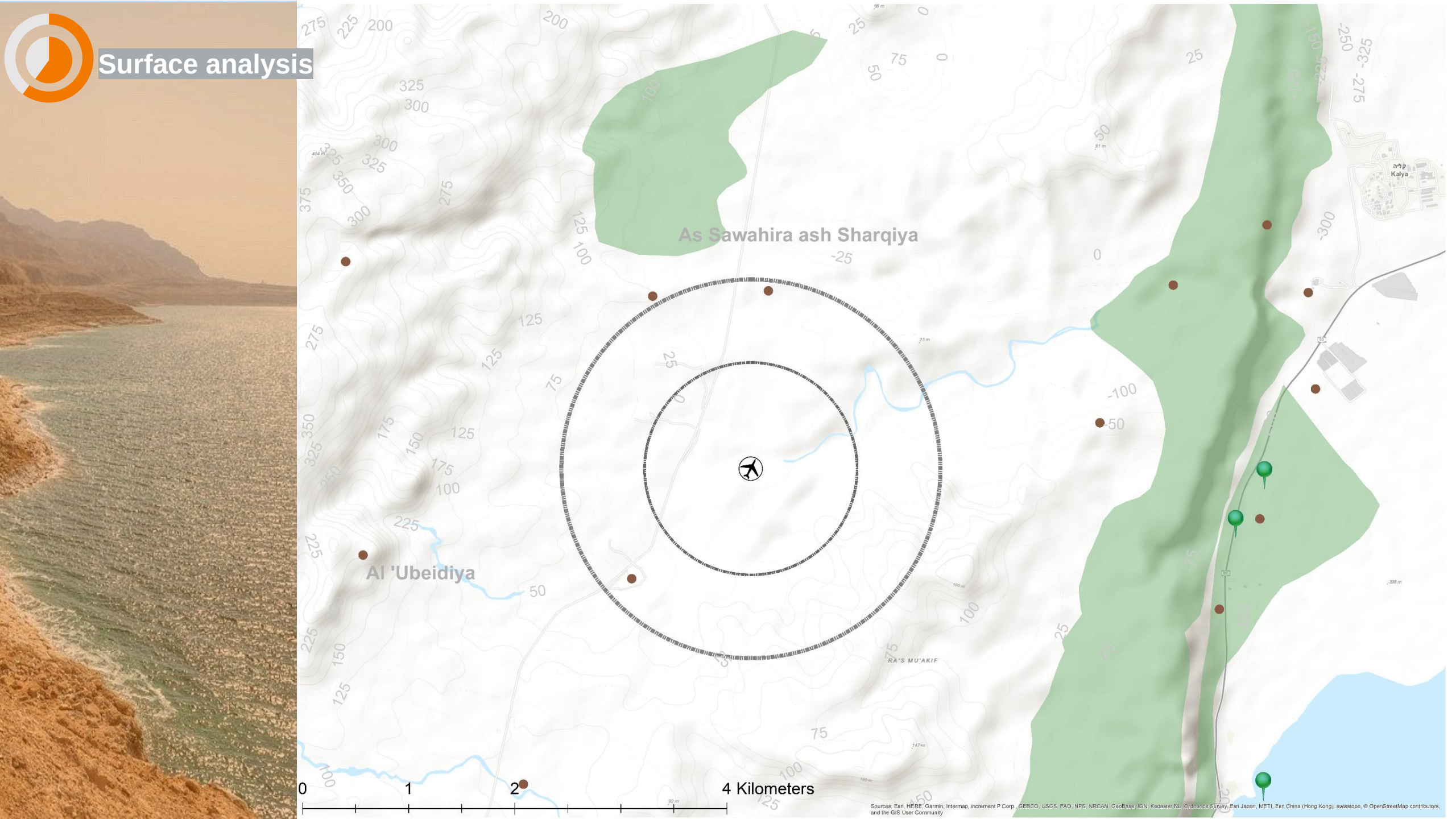
Surface analysis

Near biodiversity

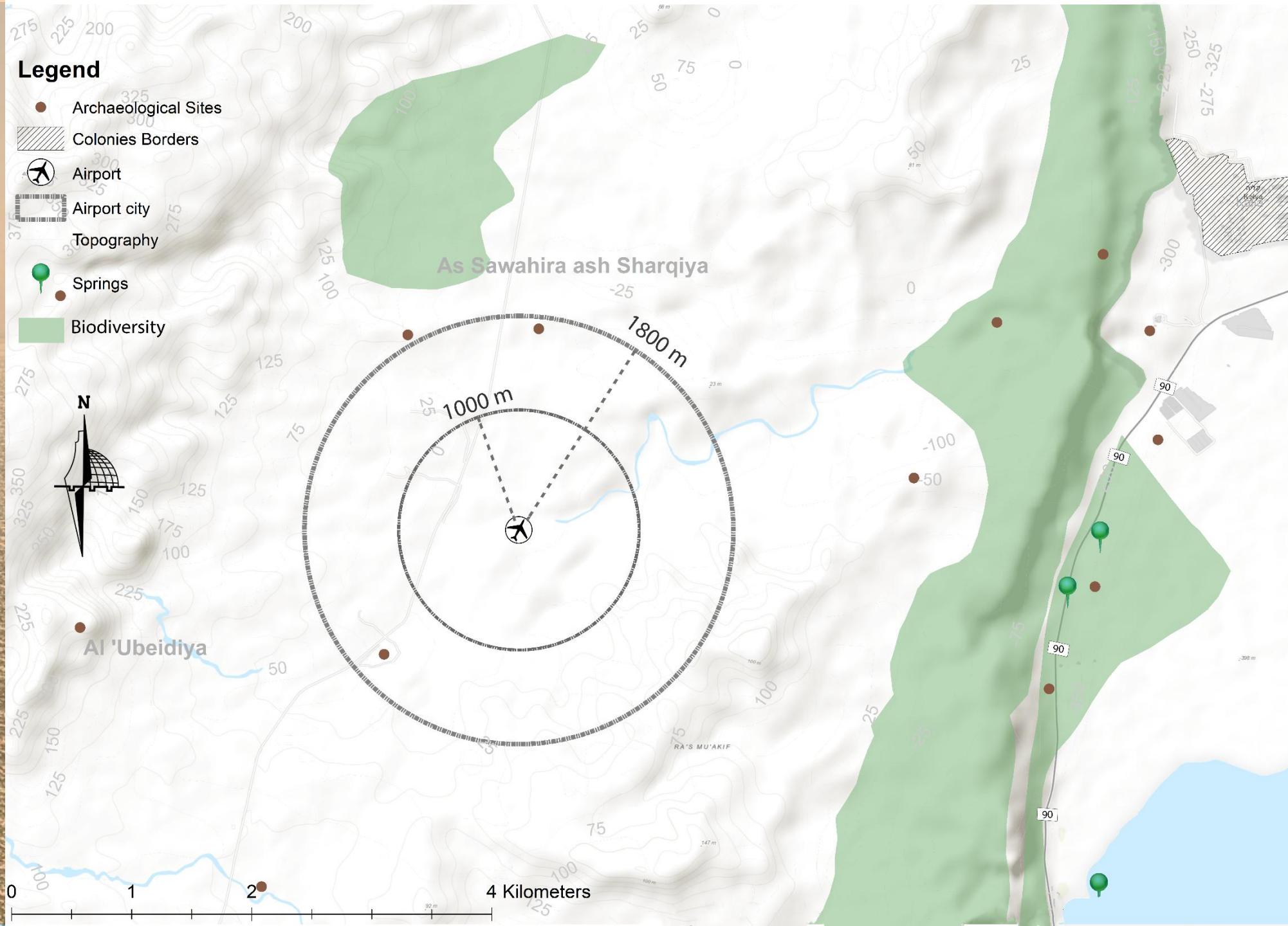




Surface analysis



Surface analysis



surface meteorology

Sun, wind, insolation, clearness, temp
erature wet, precipitation

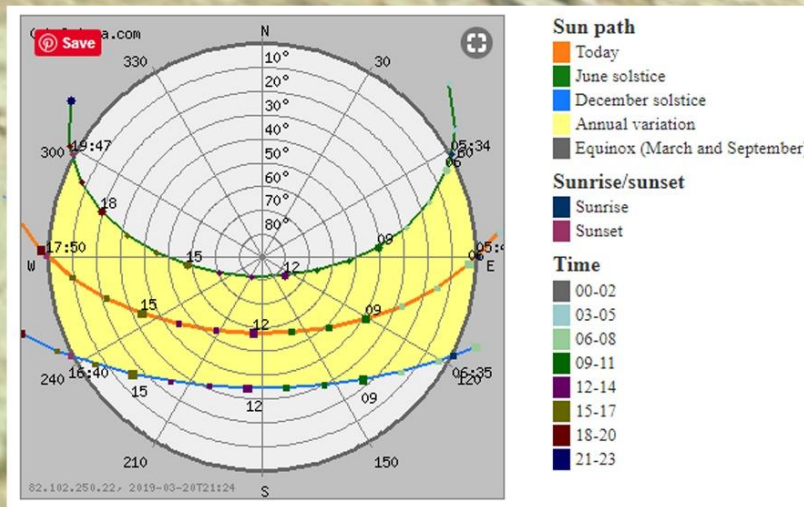
surface meteorology

Sun Path

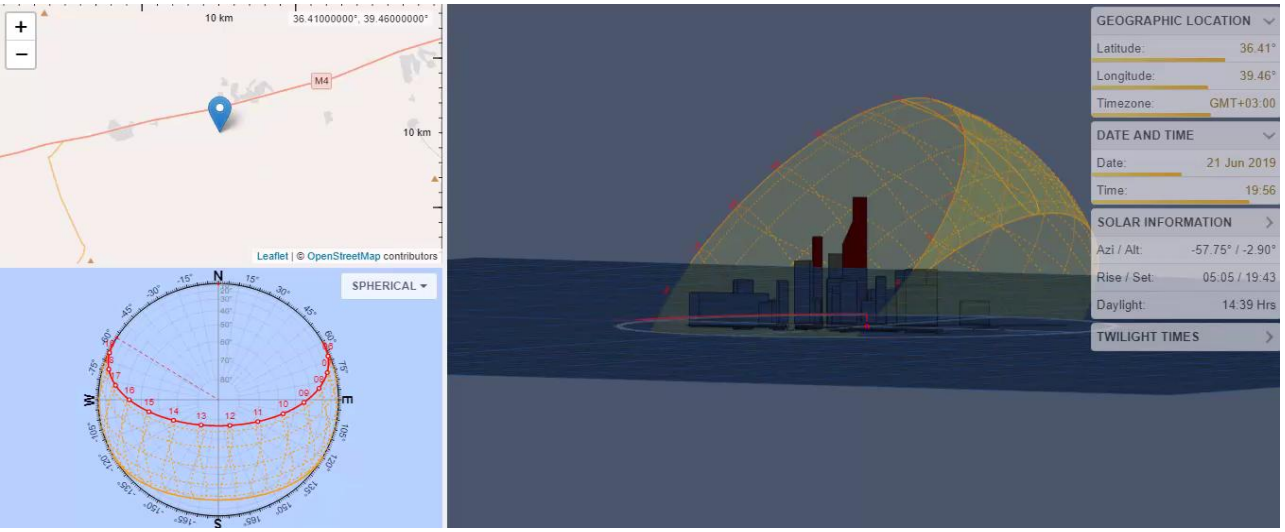
Summer

WINTER

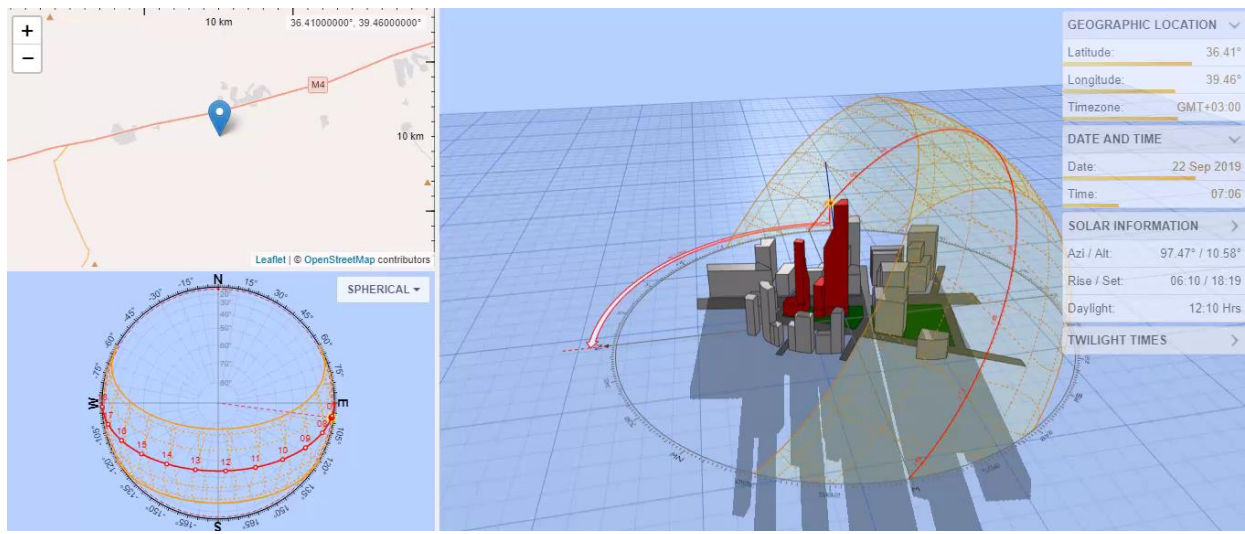
Wind

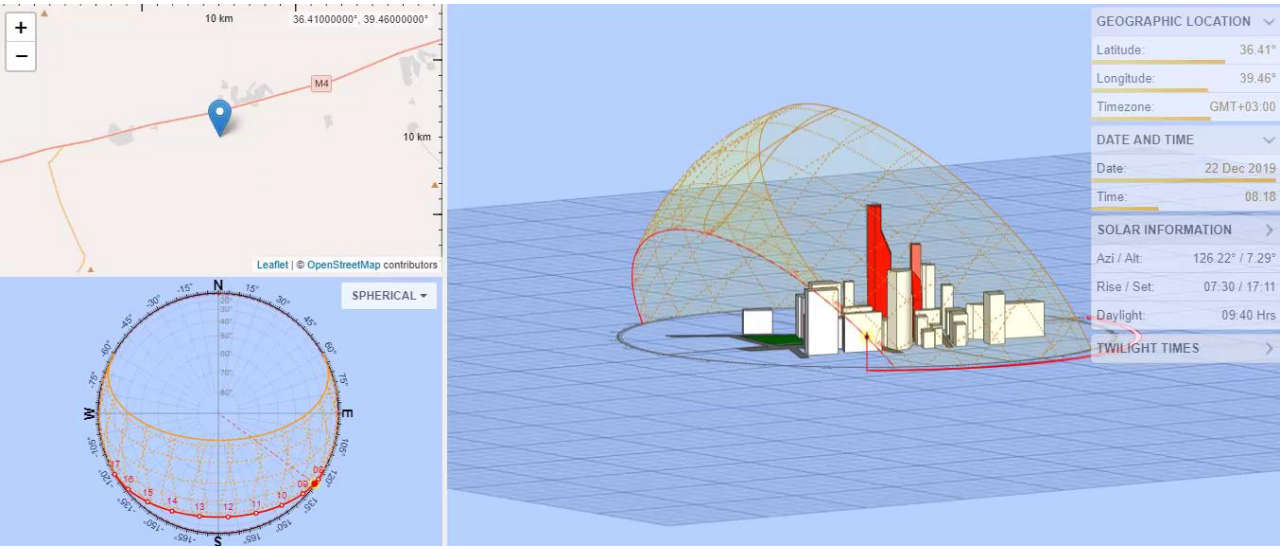


summer

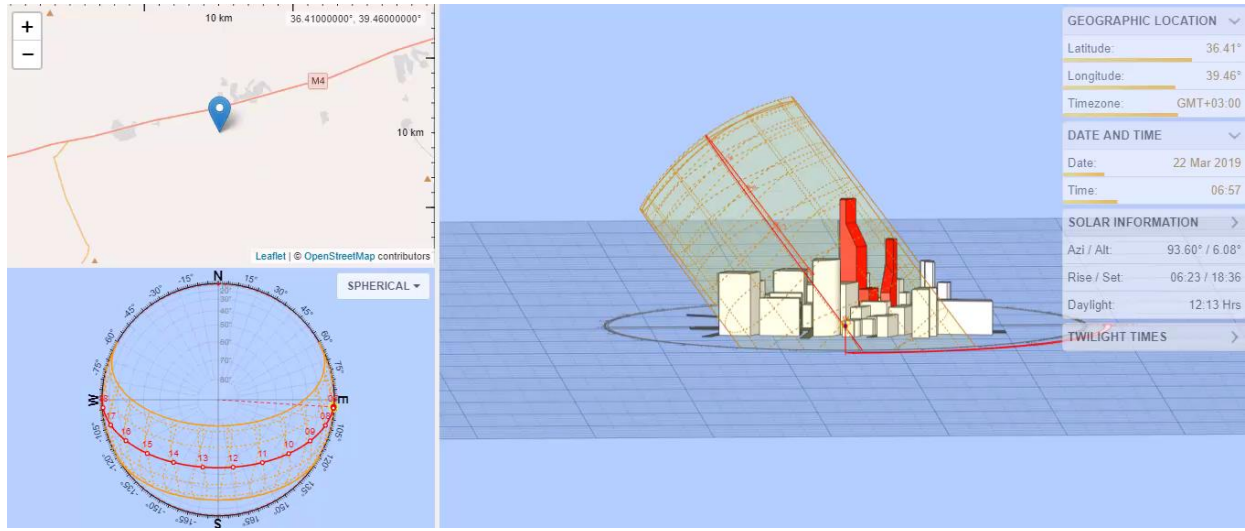


Autumn





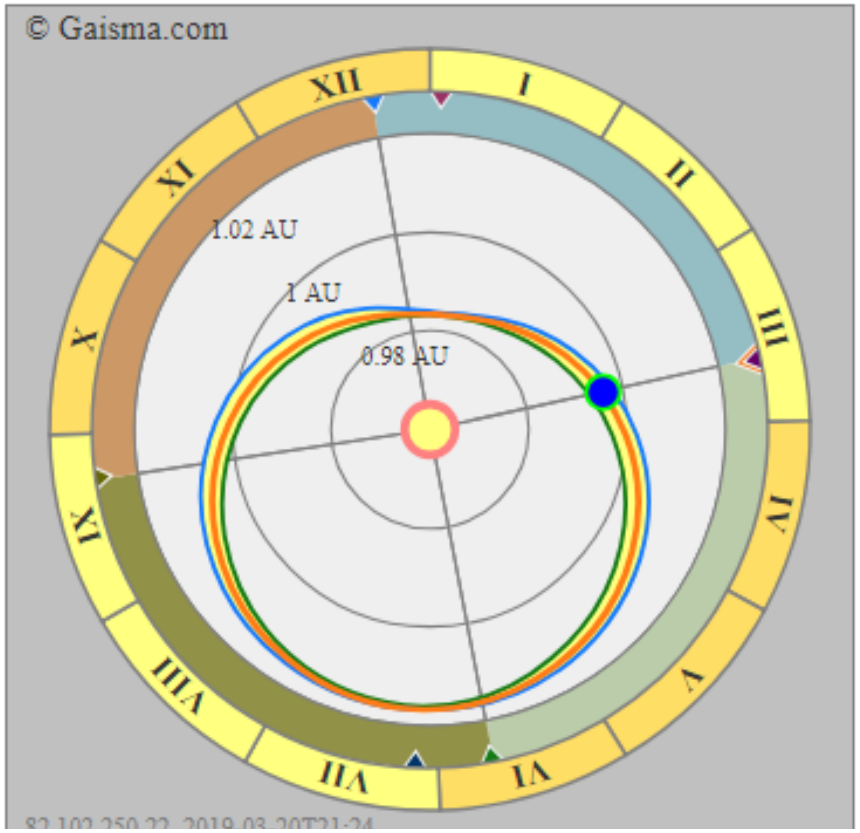
Winter



Spring

surface meteorology

Seasons graph and Earth's orbit



Events
- Today
- December solstice
- March equinox
- June solstice
- September equinox
- Perihelion [?]
- Aphelion [?]

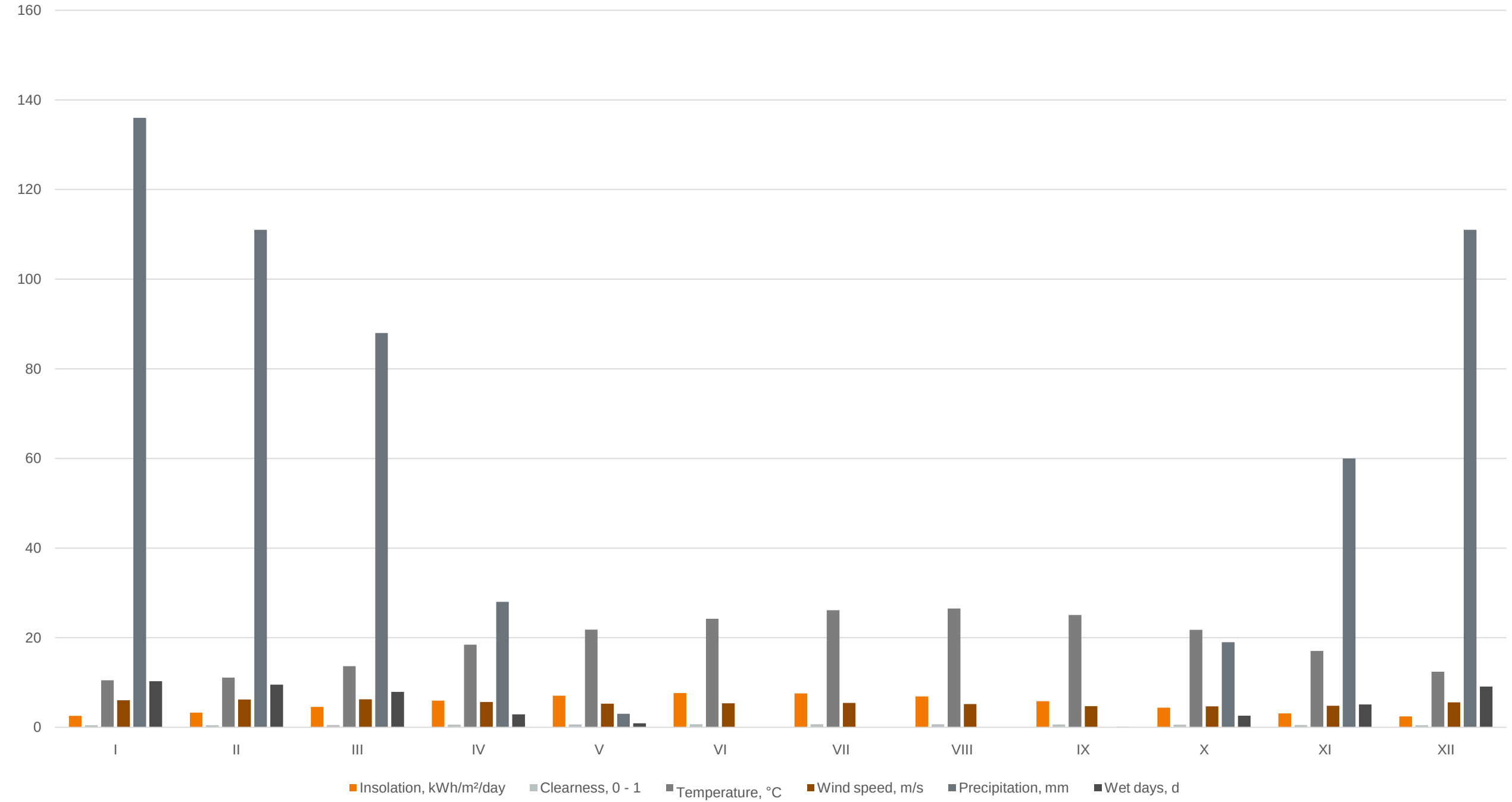
Earth's orbit
- This year
- Min, years 1600–2600 [?]
- Max, years 1600–2600 [?]
- Variation, years 1600–2600

Seasons
- Winter
- Spring
- Summer
- Fall

Variable	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
Insolation, kWh/m²/day	2.56	3.29	4.56	5.93	7.04	7.66	7.55	6.89	5.84	4.37	3.11	2.42
Clearness, 0 - 1	0.47	0.48	0.53	0.59	0.64	0.67	0.67	0.66	0.64	0.59	0.53	0.47
Temperature, °C	10.50	11.10	13.64	18.42	21.81	24.22	26.14	26.51	25.07	21.74	17.04	12.40
Wind speed, m/s	6.02	6.19	6.26	5.65	5.28	5.36	5.45	5.18	4.73	4.67	4.80	5.57
Precipitation, mm	136	111	88	28	3	0	0	0	0	19	60	111
Wet days, d	10.3	9.5	7.9	2.9	0.9	0.0	0.0	0.0	0.1	2.6	5.1	9.1

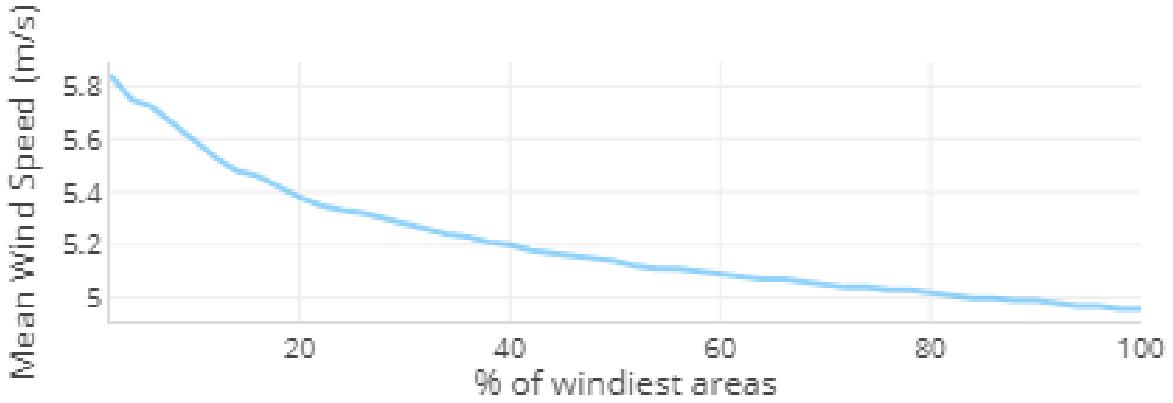
These data were obtained from the NASA Langley Research Center Atmospheric Science Data Center; New et al. 2002

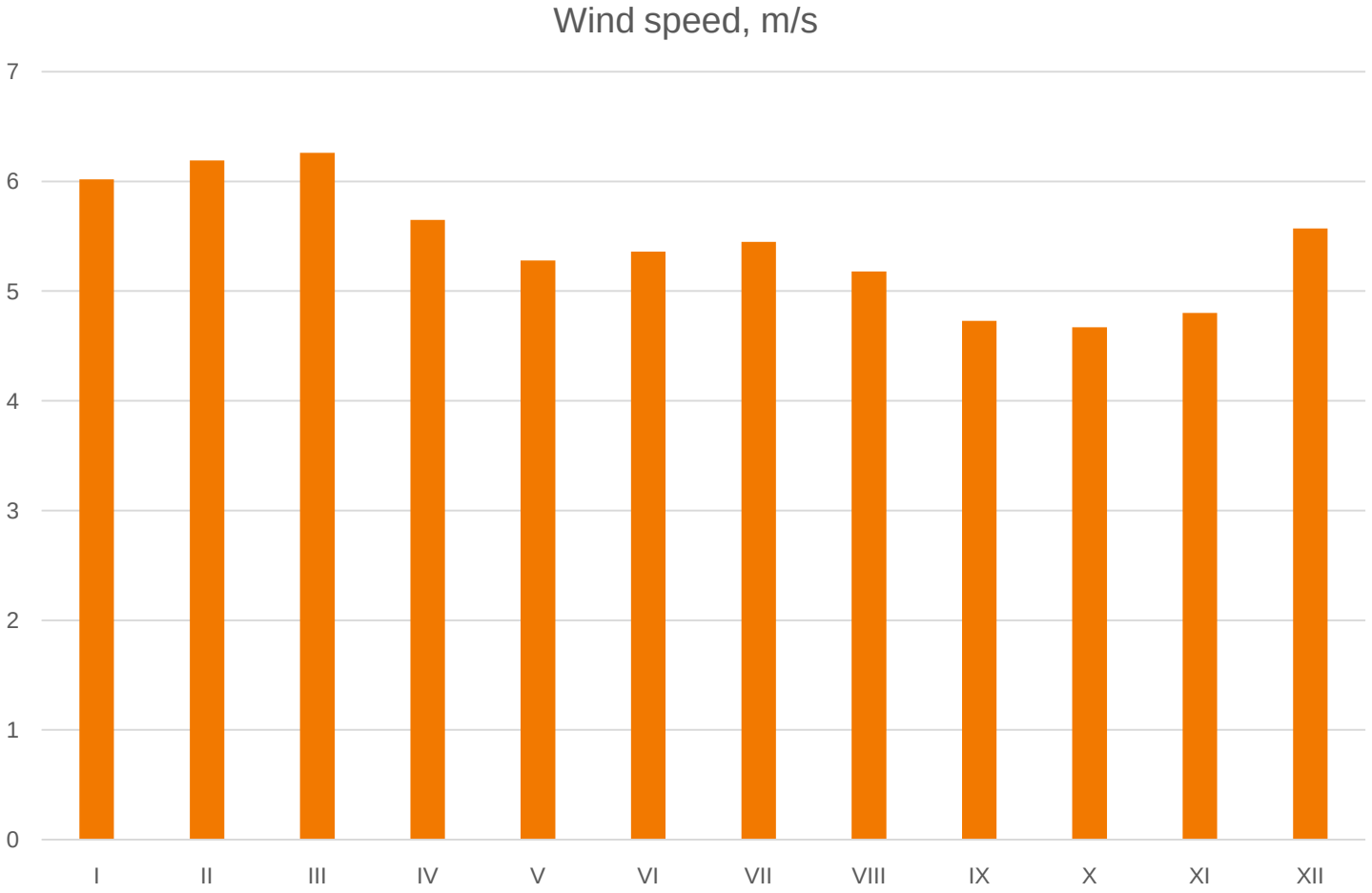
al-'Ubaydiyah, Palestinian Territories - Solar energy and surface meteorology

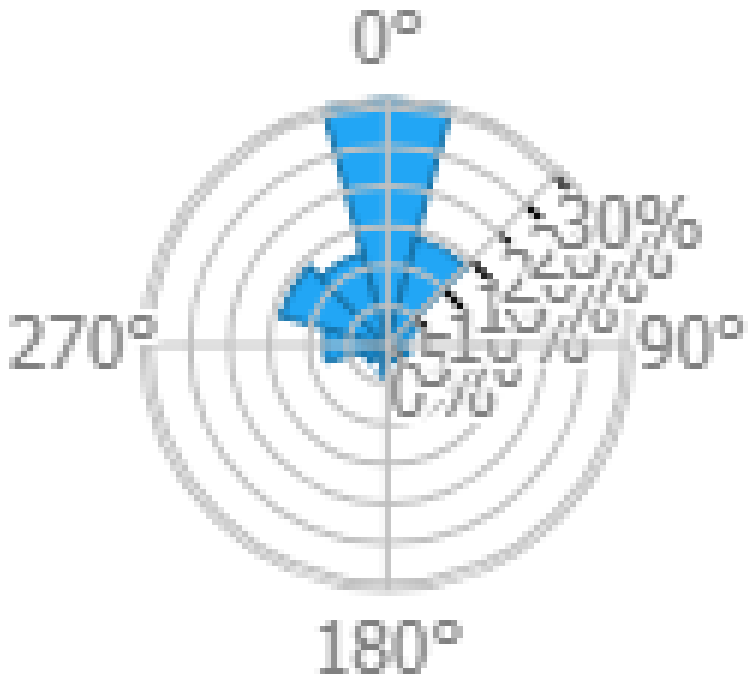


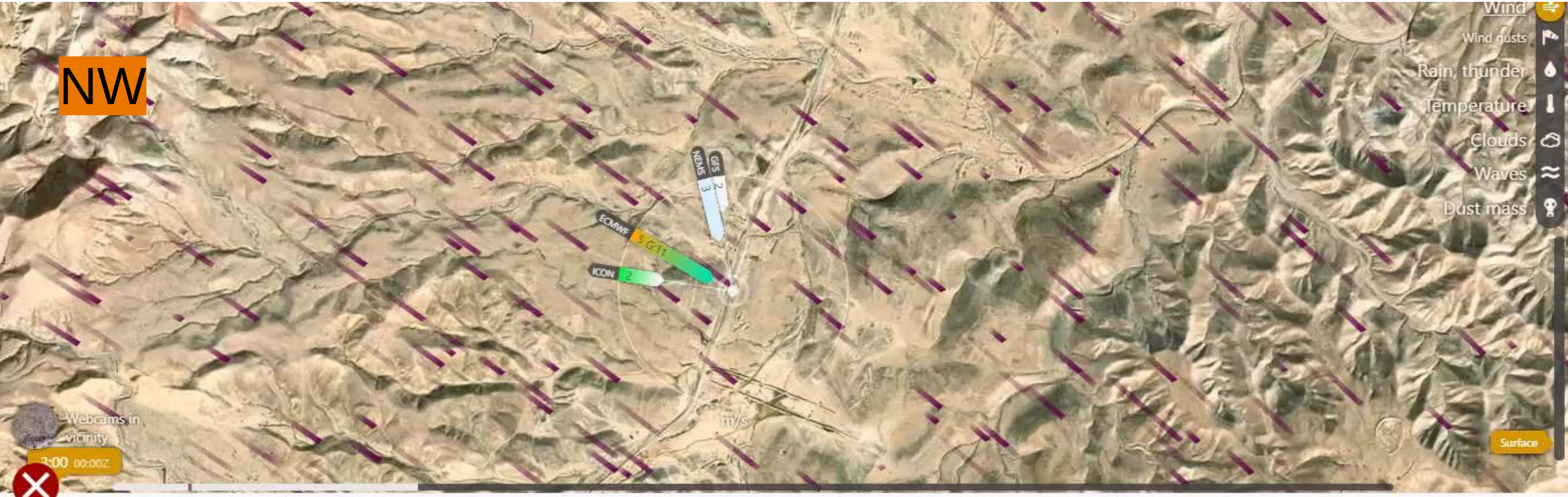
surface meteorology

wind









Friday 22 | Saturday 23 | Sunday 24 | Monday 25 | Tuesday 26

Hours: 9 12 15 18 21 0 3 6 9 12 15 18 21 0 3 6 9 12 15 18 21 0 3 6 9 12 15 18 21 0 3 6 9 12 15 18 21

07Z 10Z 13Z 16Z 19Z 22Z 01Z 04Z 07Z 10Z 13Z 16Z 19Z 22Z 01Z 04Z 07Z 10Z 13Z 16Z 19Z 22Z 01Z 04Z 07Z 10Z 13Z 16Z 19Z 22Z 01Z 04Z 07Z 10Z 13Z 16Z 19Z

ECMWF 9km	m/s	1	2	3	2	4	3	2	3	1	2	3	1	4	3	5	2	1	3	1	6	2	3	1	2	1	1	0	4	3	5	4	3	1	3	4	2	5
		6	6	8	8	11	6	5	5	5	6	7	6	9	7	7	9	5	7	9	11	14	7	7	6	9	10	8	7	7	8	7	6	5	6	8	8	11
GFS 22km	m/s	1	1	2	3	2	1	2	1	1	1	3	3	2	2	2	2	1	3	5	5	4	3	2	2	1	4	6	8	6	3	2	2	4	3	4	2	4	3	2
		1	1	2	4	2	1	2	1	1	1	3	4	3	2	2	2	1	3	5	5	4	3	3	2	5	8	9	8	5	3	3	4	4	4	4	3	2		
ICON 7km	m/s	1	1	2	2	1	1	2	1	2	2	3	1	1	2	1	1	1	1	8	7	3	3	6	4	6	10	9	3	1	2	2	2	5	2	5	2	2		
		3	5	4	4	6	5	4	4	4	6	10	4	4	4	3	4	5	14	14	11	10	13	12	11	17	17	14	6	5	5	5	9	6	9	7	6			
NEMS 4km	m/s	2	1	0	3	3	2	1	0	1	1	1	2	2	1	0	1	2	1	7	7	4	4	3	3	4	5	7	5	3	2	1	1	3	3	1	3	3		
		2	2	2	5	4	2	1	1	1	3	5	5	4	2	1	2	3	6	9	9	8	7	6	6	10	8	8	7	5	3	2	2	3	3	3	5	4		

Nearest weather statio

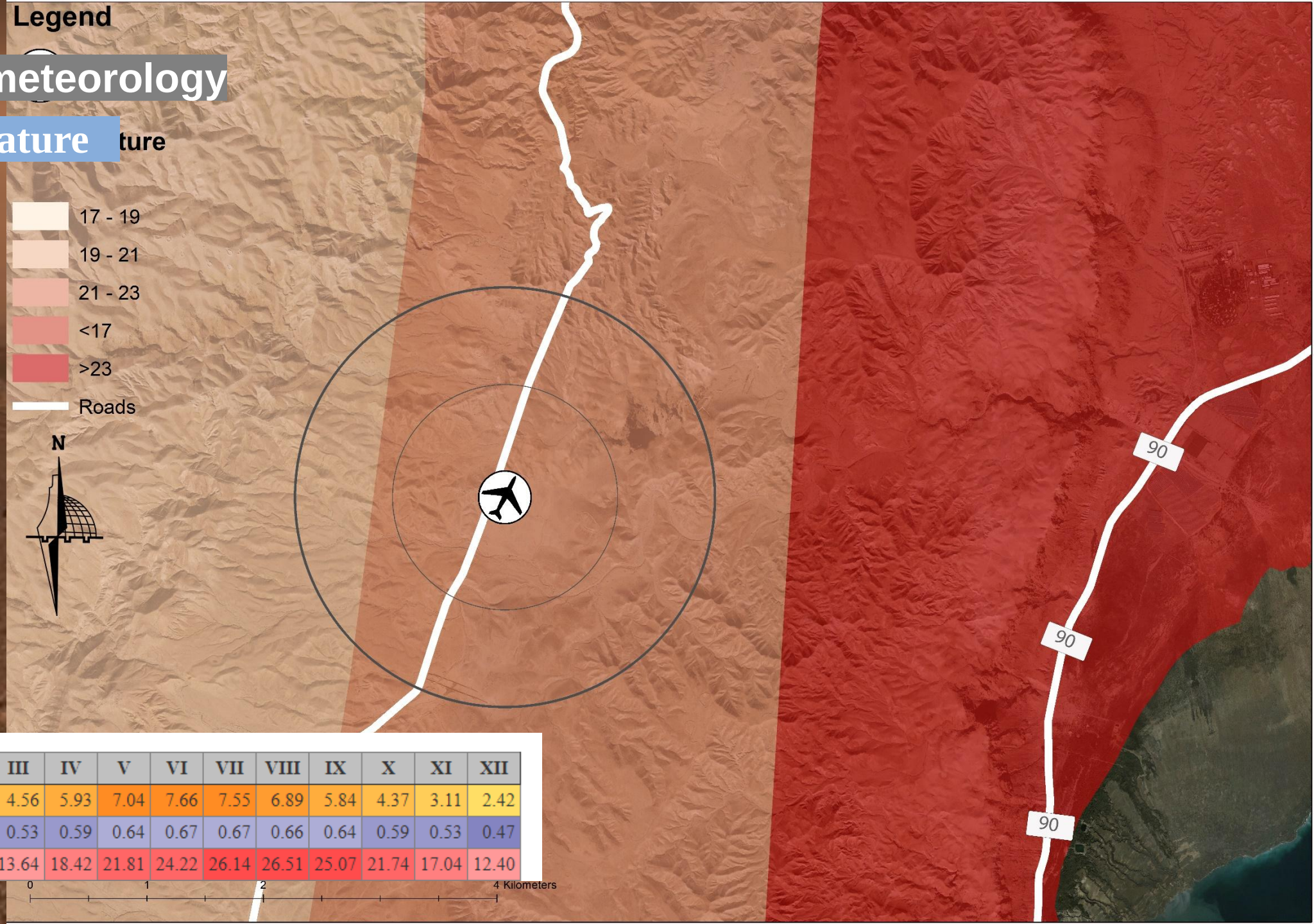
Jerusalem : 16m ago, 18km

17°C

Basic | Wind | Meteogram | Airgram | Waves | ECMWF9km | GFS22km | ICON7km | NEMS4km | Compare | Updated: 4h ago

surface meteorology

Temperature



Variable	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
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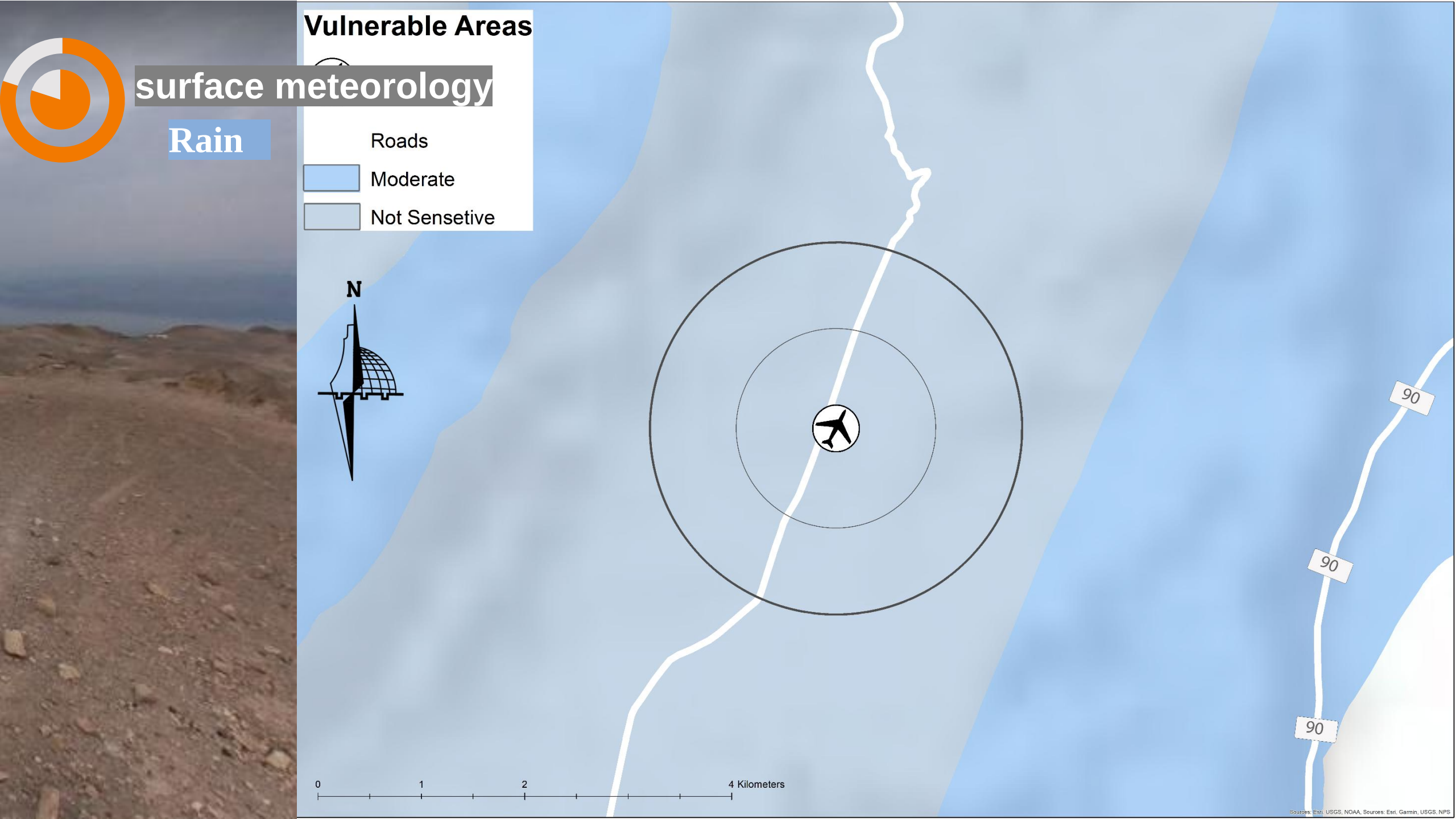
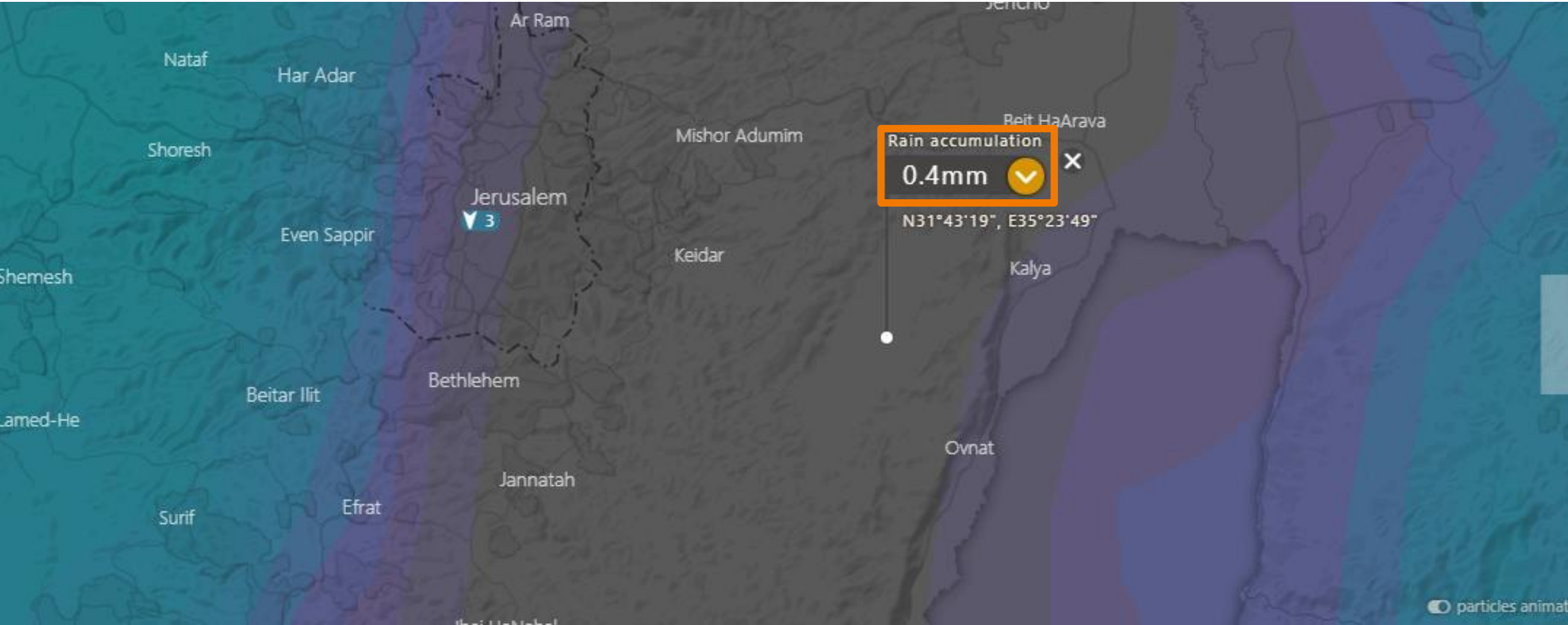
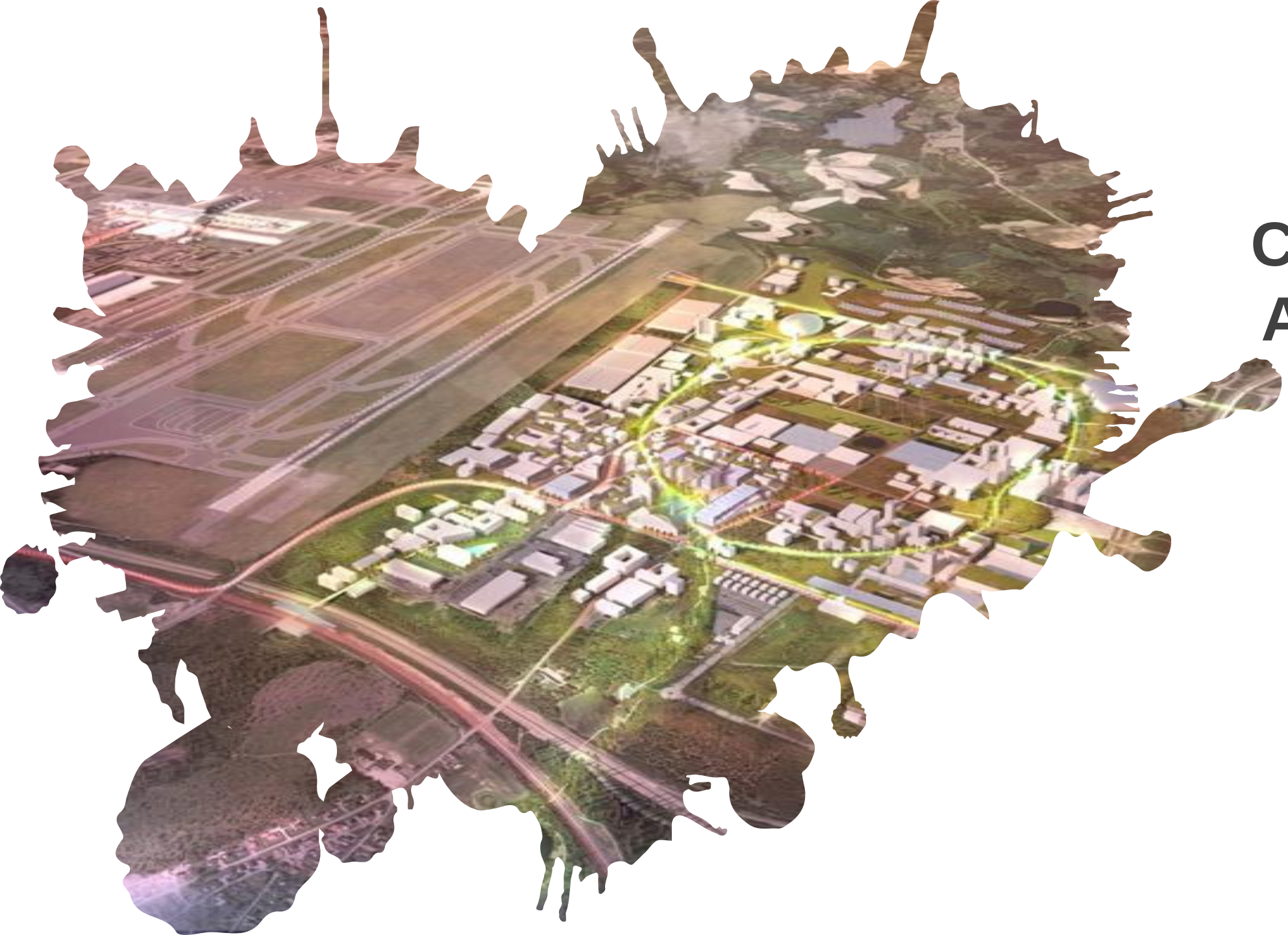
Temperature, °C	10.50	11.10	13.64	18.42	21.81	24.22	26.14	26.51	25.07	21.74	17.04	12.40


surface meteorology
Rain
Vulnerable Areas
Roads
Moderate
Not Sensetive
N
0
1
2
4 Kilometers
90
90
90

surface meteorology

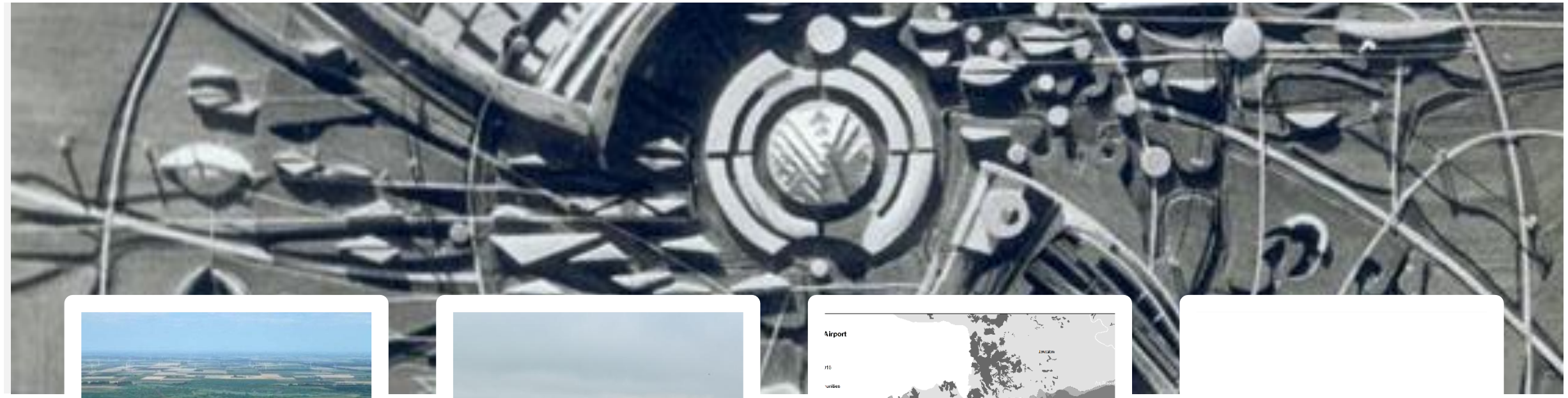
RAIN





Contents Here

The Concept of Airport city



Provide more transportation choices .

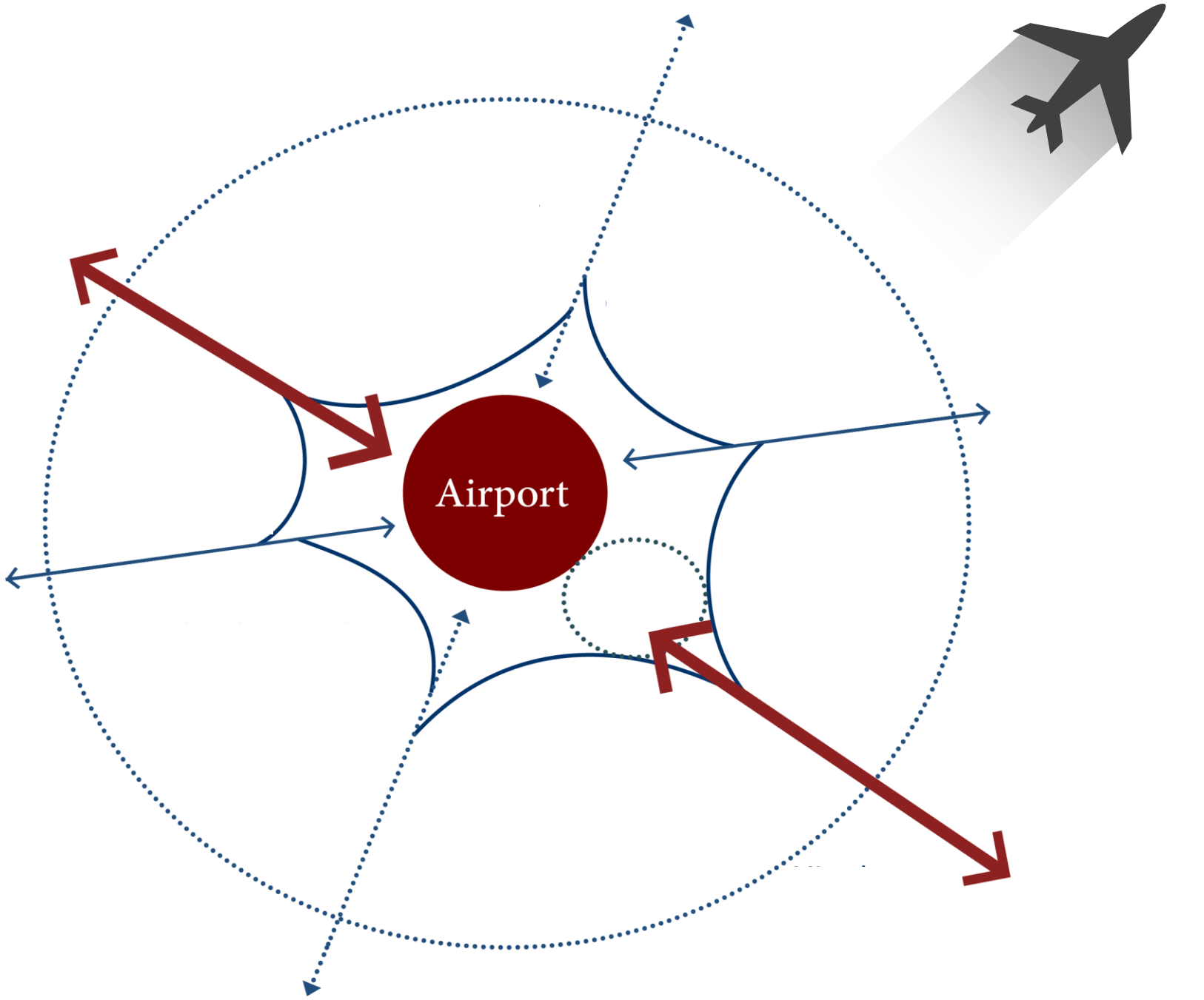
.

Promote equitable, affordabl e housing:.

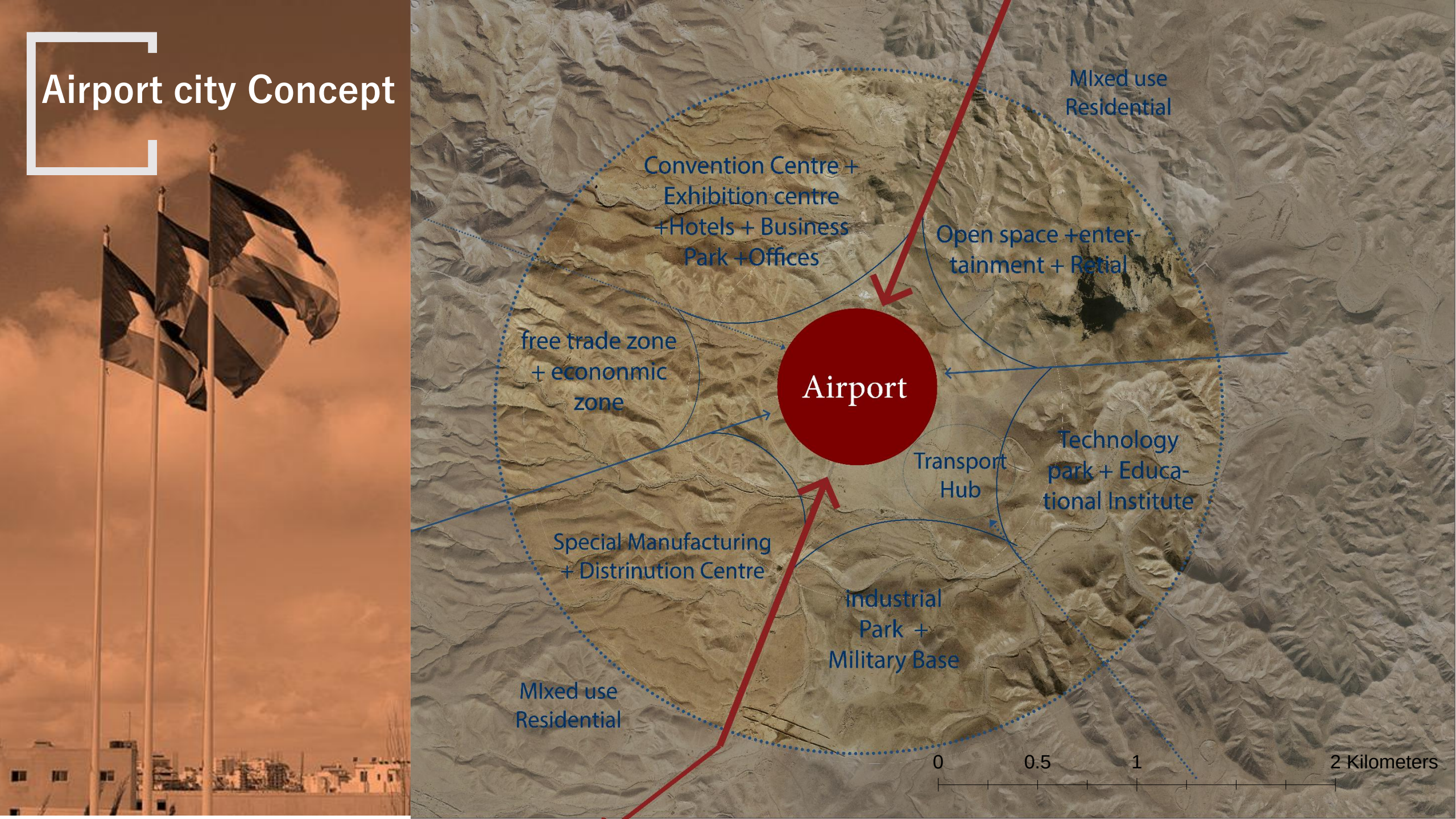
Support existing communities

Enhance economic competitiveness

Airport city Concept



Airport city Concept



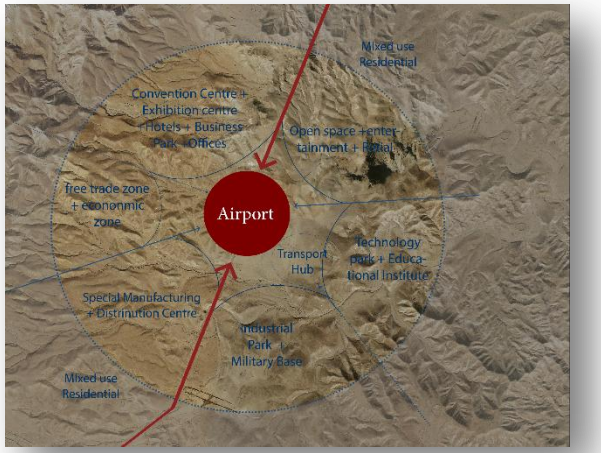
Birds teach us many things

AIRPORT CITY CONCEPT

VISION

DESIGHN

MISSION



CENTER

VALUE

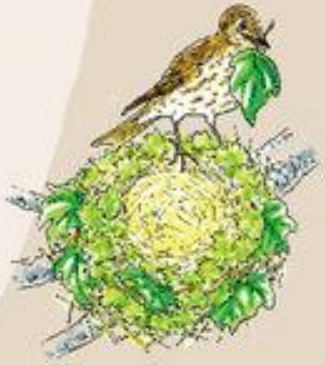
CONECTIVITY

1. LOCATION

2. STREET

3. AIRPORT

4. AIRPORT CITYT



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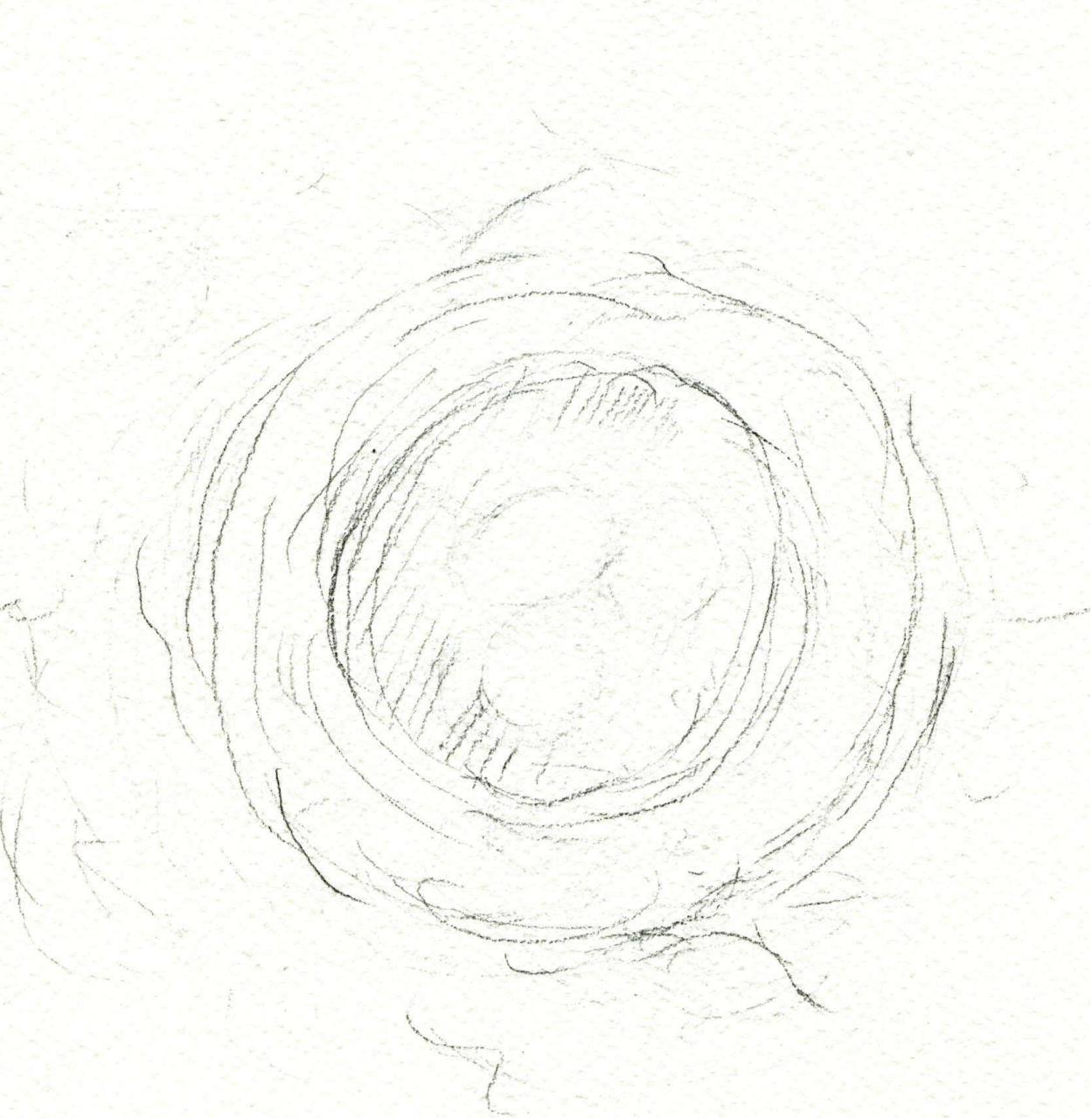
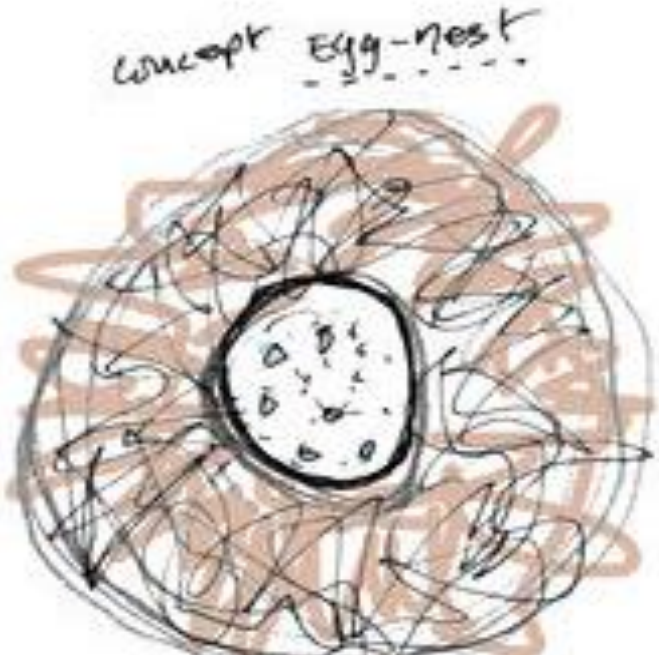
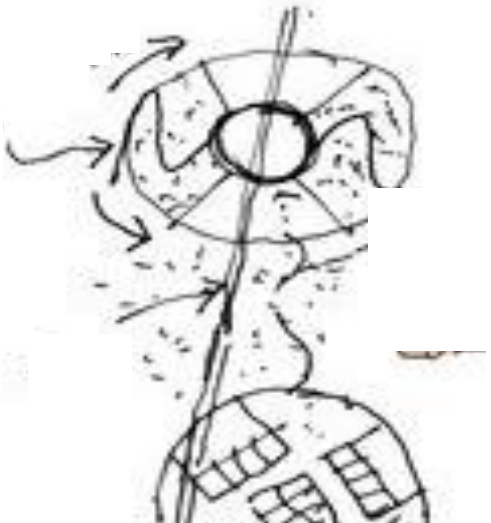
AIRPORT CITIES







MASTER PLAN

01

LAND USE AND ZONNING PROPOSAL

AIRPORT CITY

LAND USE AND ZONING PROPOSAL

The Outline

OTHERS

- SETTELMENT
- BIODIVERSITY
- STREAM
- COUNTOR
- STREET

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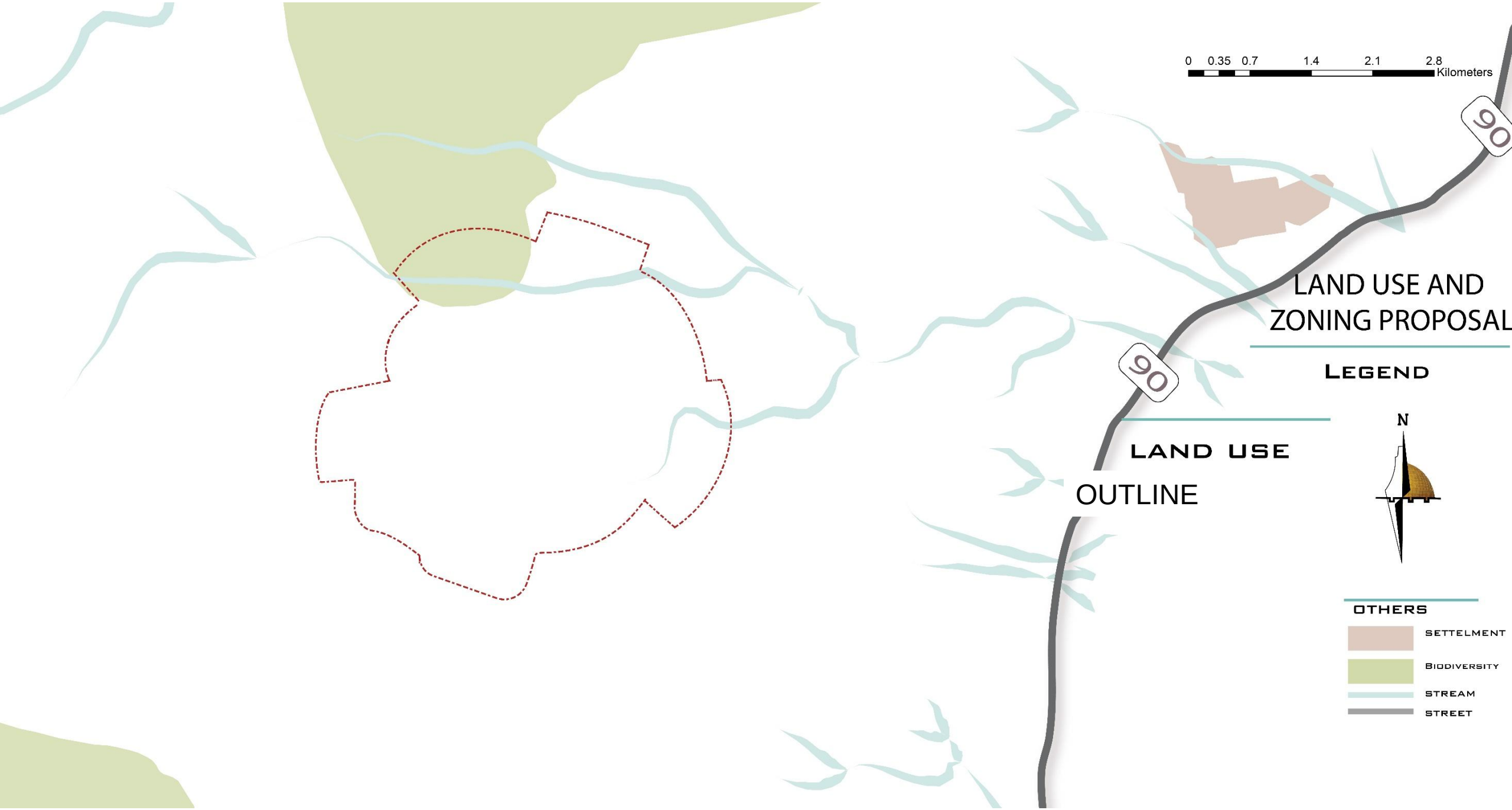
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Kilometers
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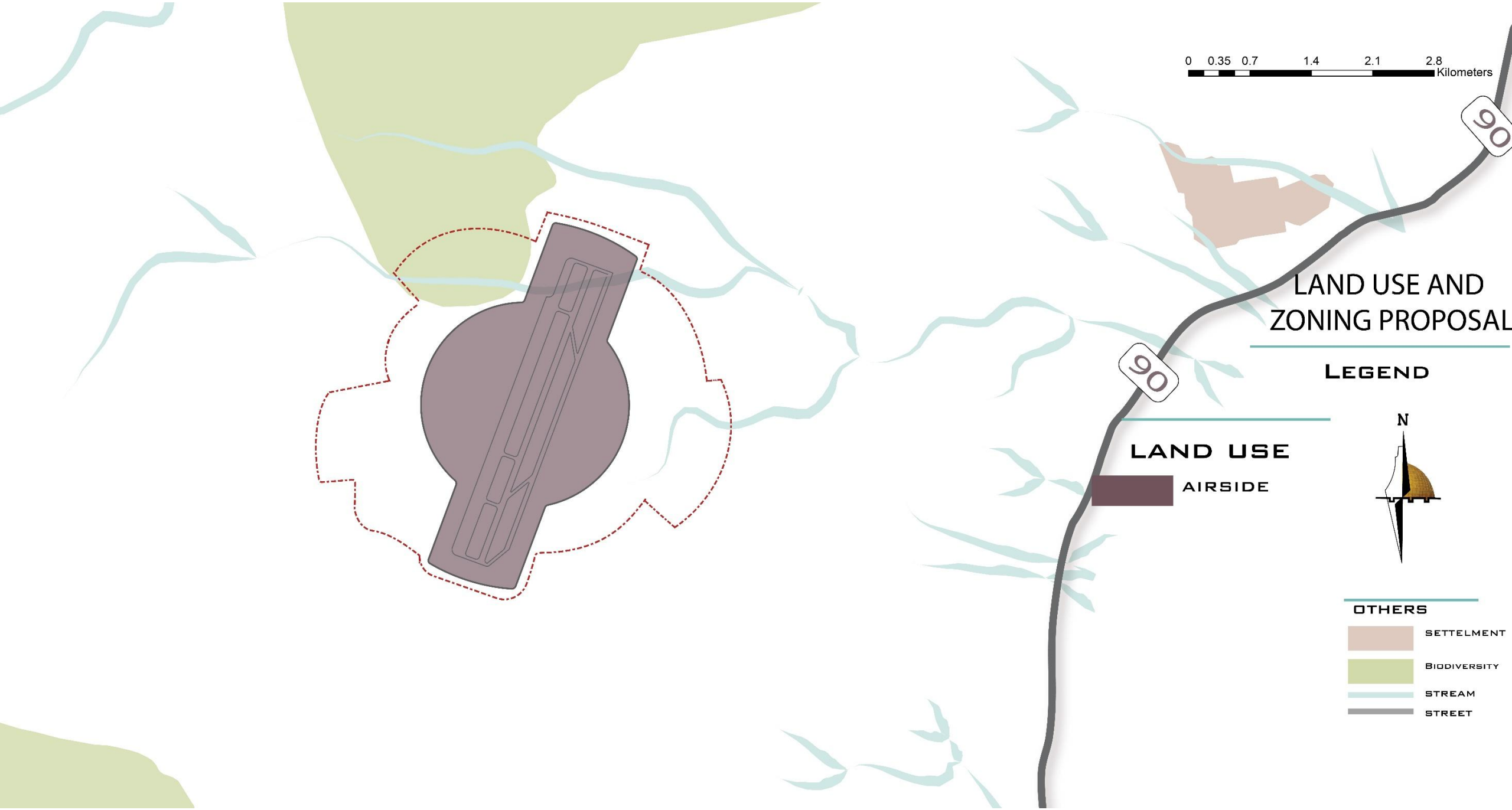
LAND USE AND
ZONING PROPOSAL
LEGEND
LAND USE
OUTLINE
N
OTHERS
SETTELMENT
BIODIVERSITY
STREAM
STREET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ZONING PROPOSAL
LEGEND
LAND USE
AIRSIDE
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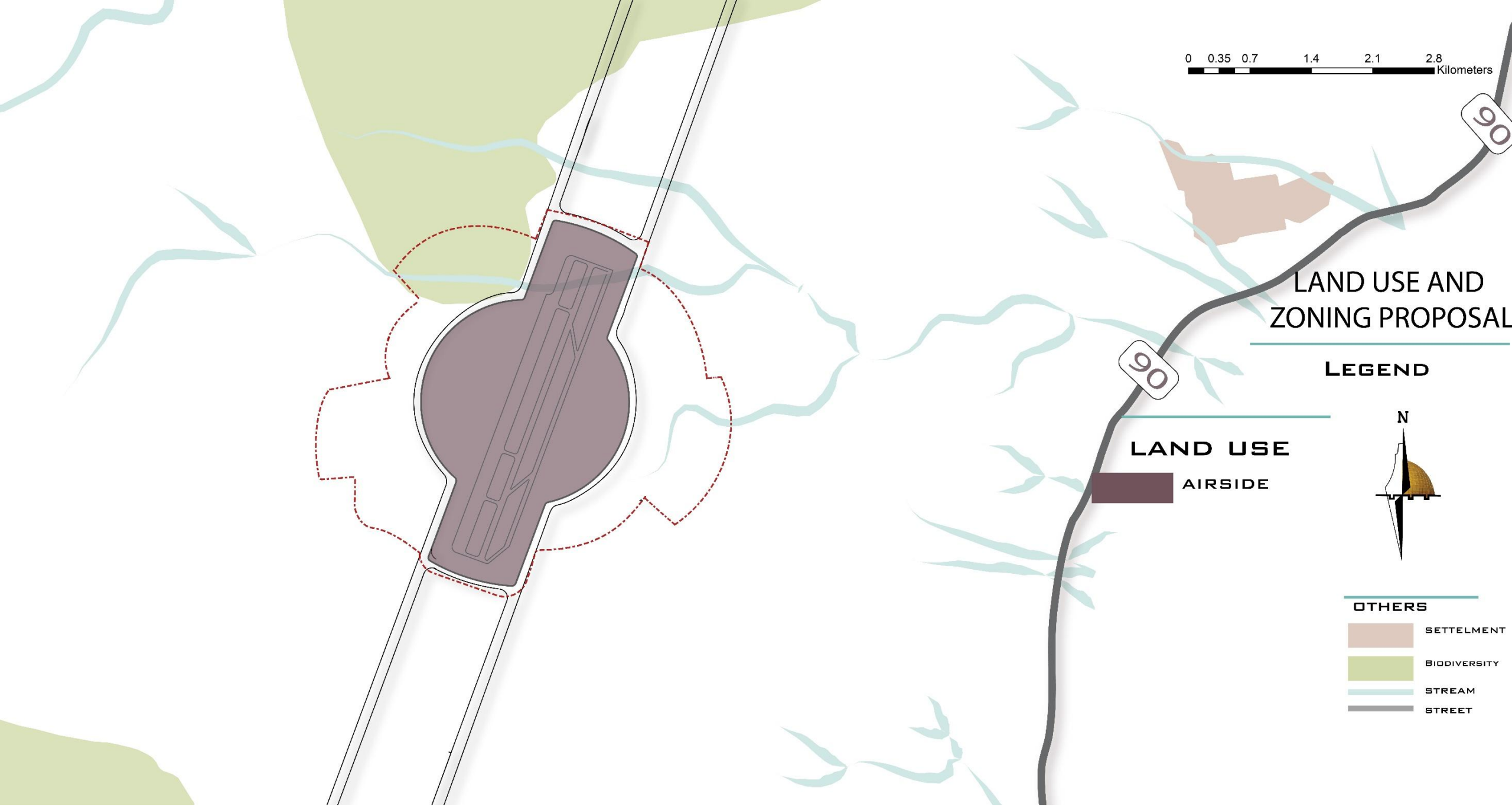
OTHERS
SETTELMENT
BIODIVERSITY
STREAM
STREET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ZONING PROPOSAL
LEGEND
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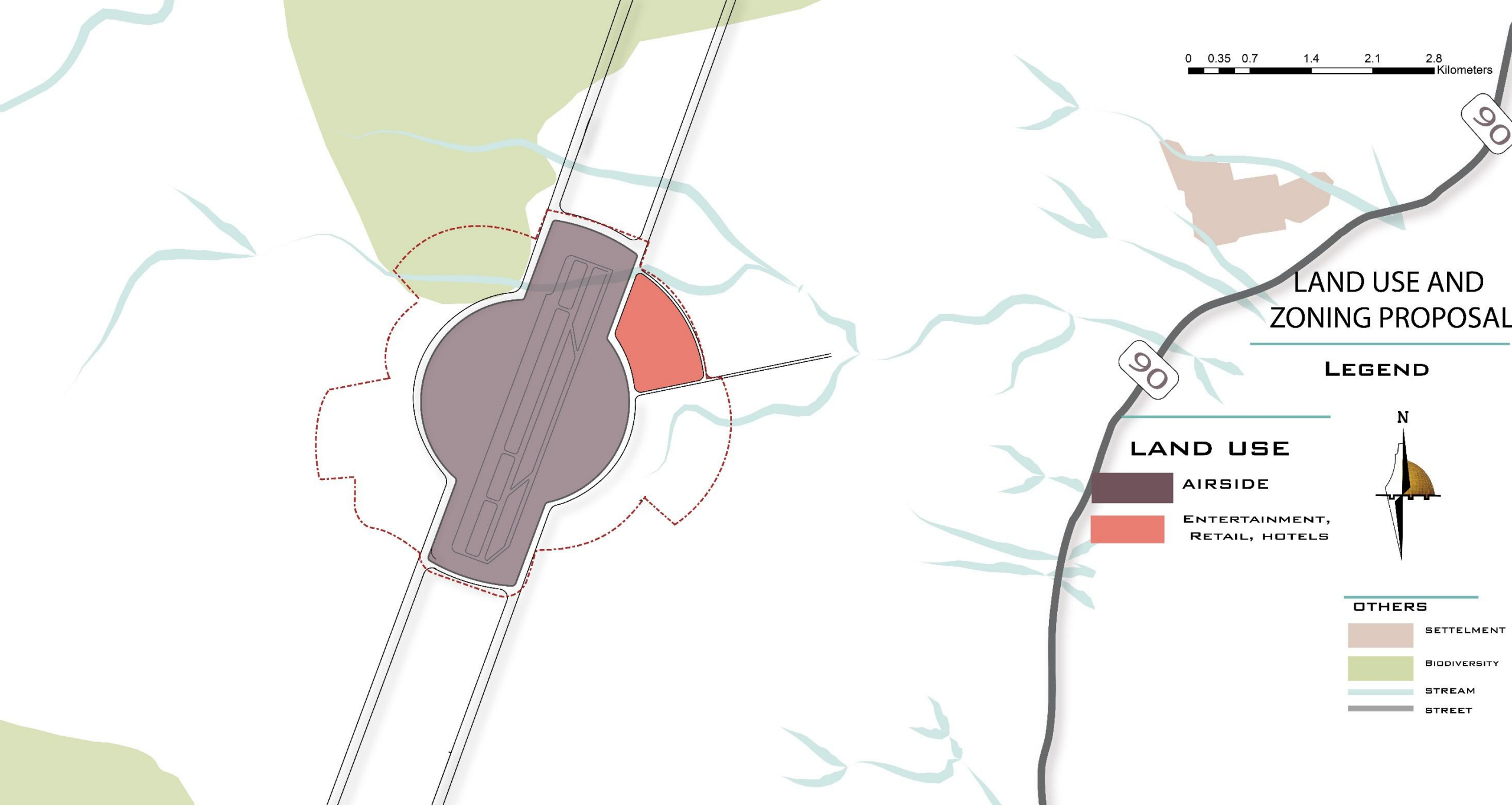
LAND USE
AIRSIDE
OTHERS
SETTELMENT
BIODIVERSITY
STREAM
STREET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Kilometers
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LAND USE AND
ZONING PROPOSAL
LEGEND
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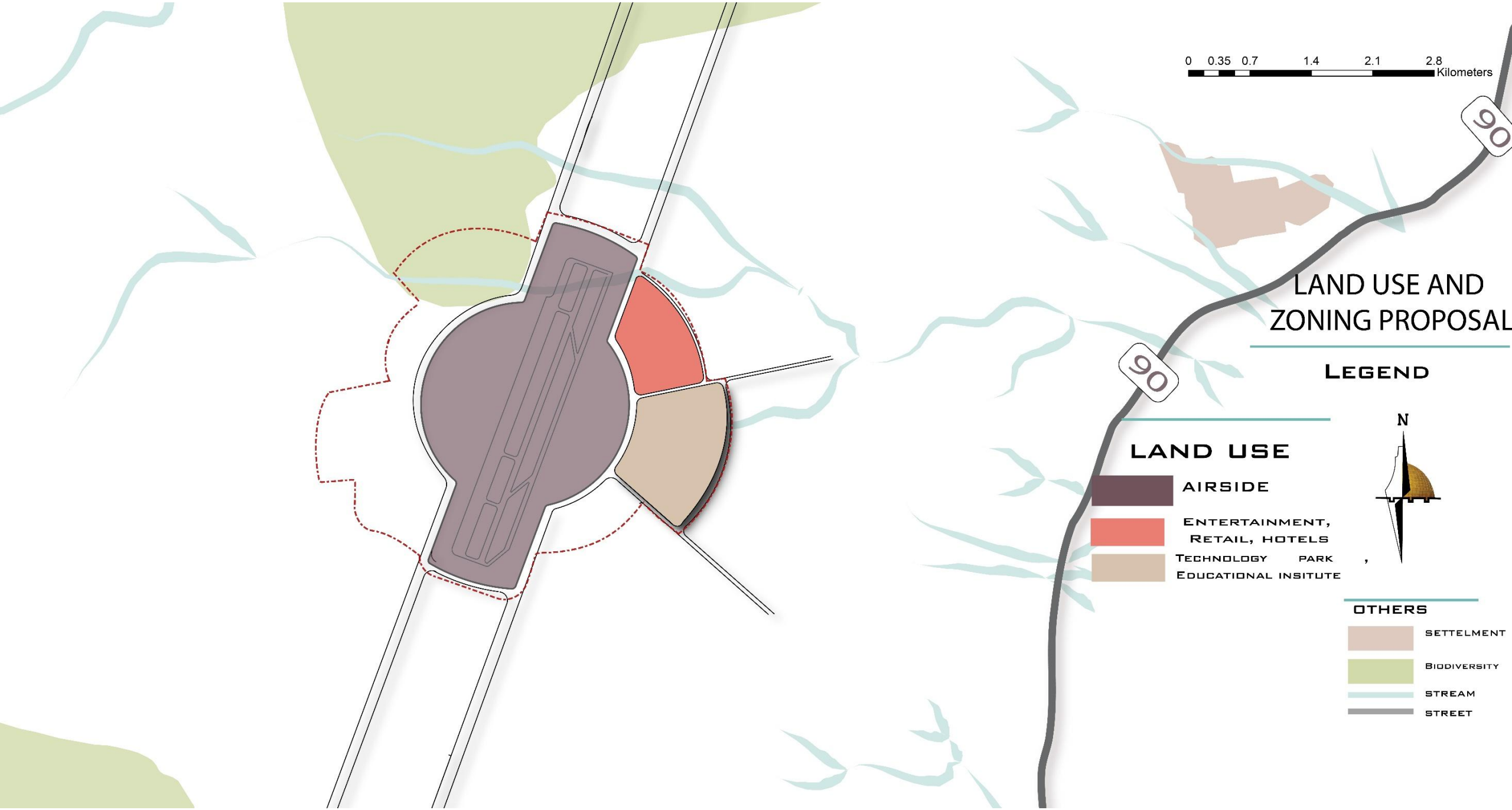
LAND USE
AIRSIDE
ENTERTAINMENT,
RETAIL, HOTELS
OTHERS
SETTELMENT
BIODIVERSITY
STREAM
STREET
0 0.35 0.7 1.4 2.1 2.8
Kilometers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Kilometers
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LAND USE AND ZONING PROPOSAL
LEGEND
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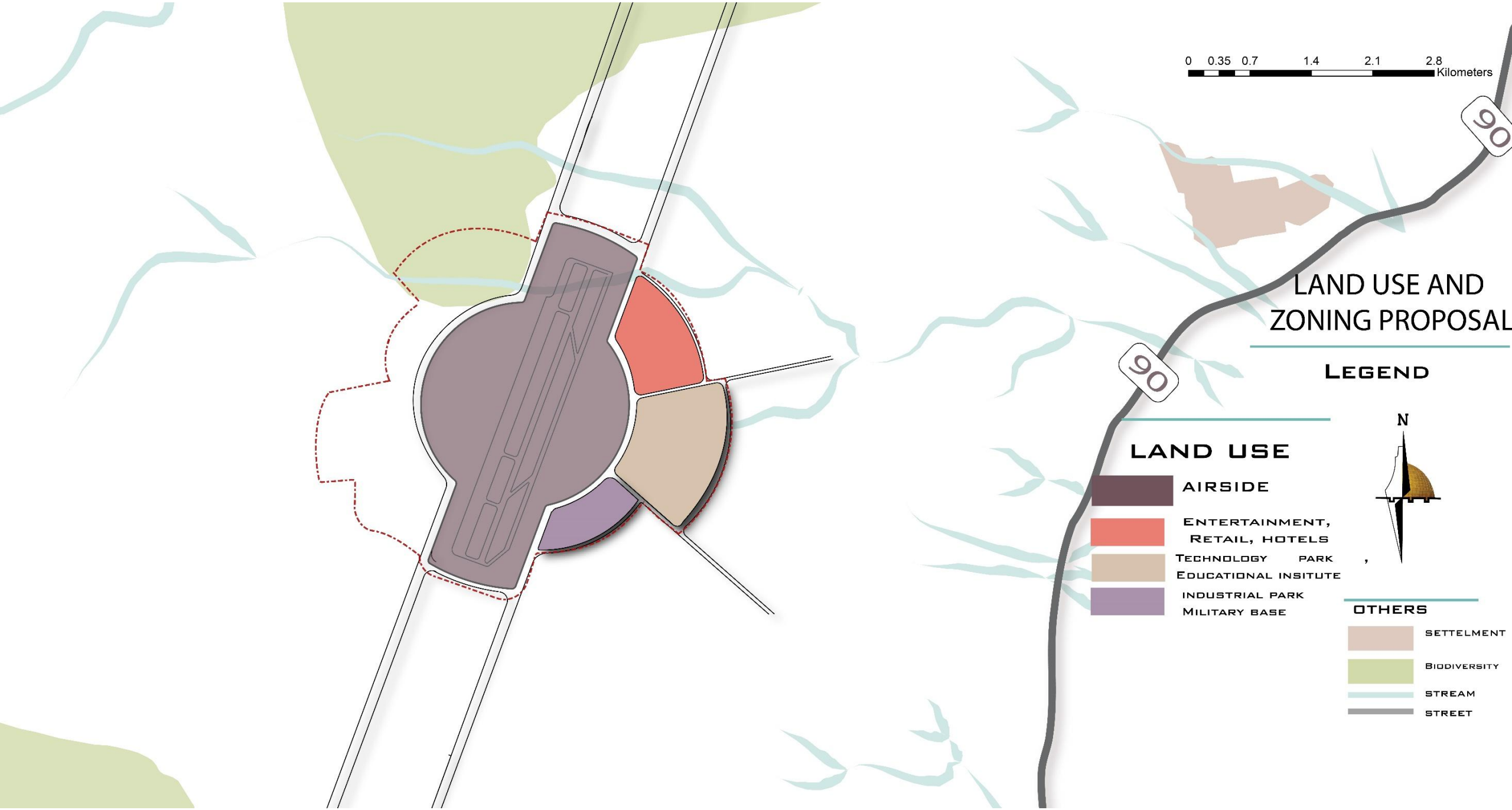
LAND USE
AIRSIDE
ENTERTAINMENT, RETAIL, HOTELS
TECHNOLOGY PARK ,
EDUCATIONAL INSITUTE
OTHERS
SETTELMENT
BIODIVERSITY
STREAM
STREET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Kilometers
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LAND USE AND ZONING PROPOSAL
LEGEND
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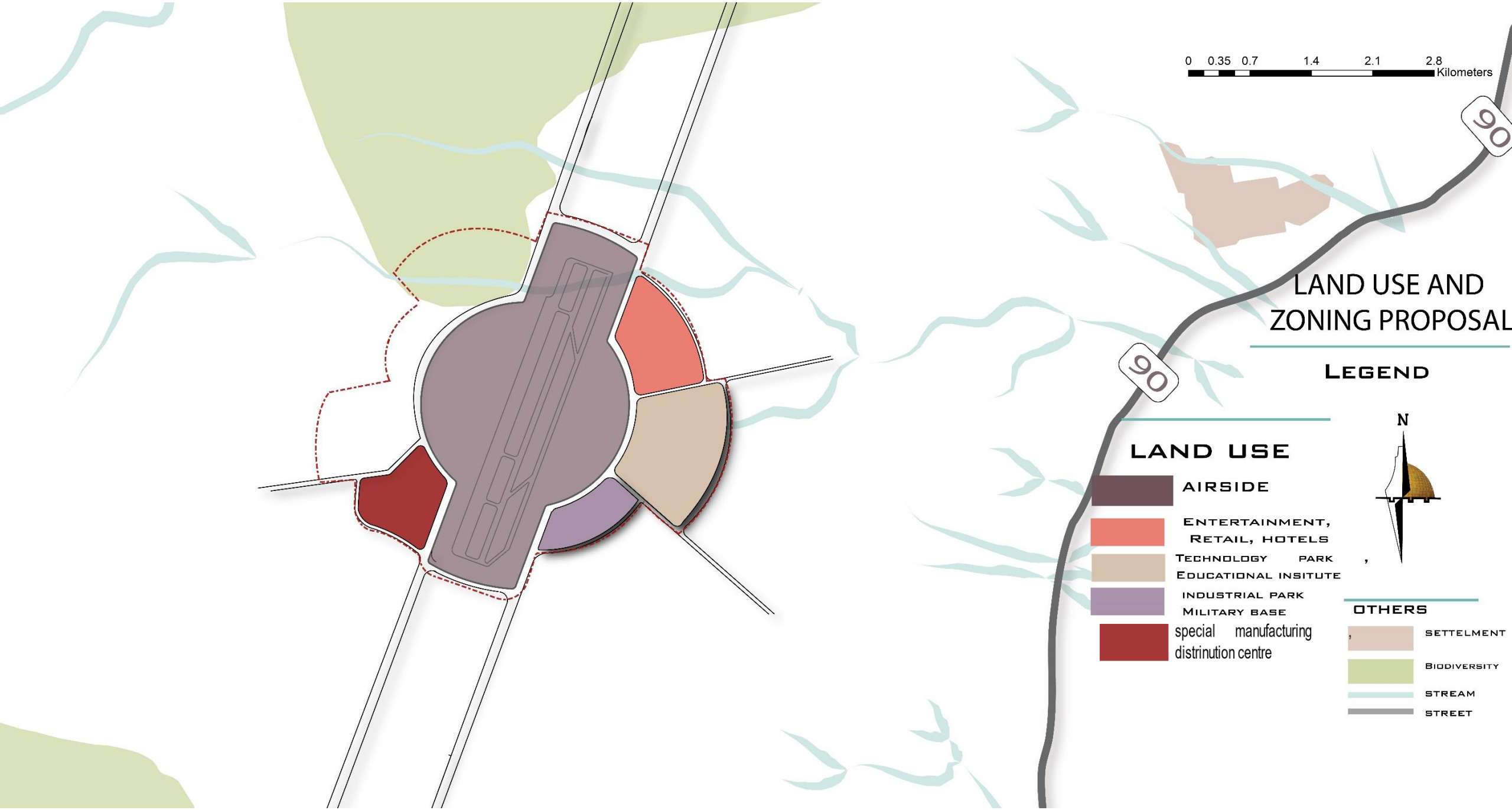
LAND USE
AIRSIDE
ENTERTAINMENT, RETAIL, HOTELS
TECHNOLOGY PARK
EDUCATIONAL INSITUTE
INDUSTRIAL PARK
MILITARY BASE
OTHERS
SETTELMENT
BIODIVERSITY
STREAM
STREET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Kilometers
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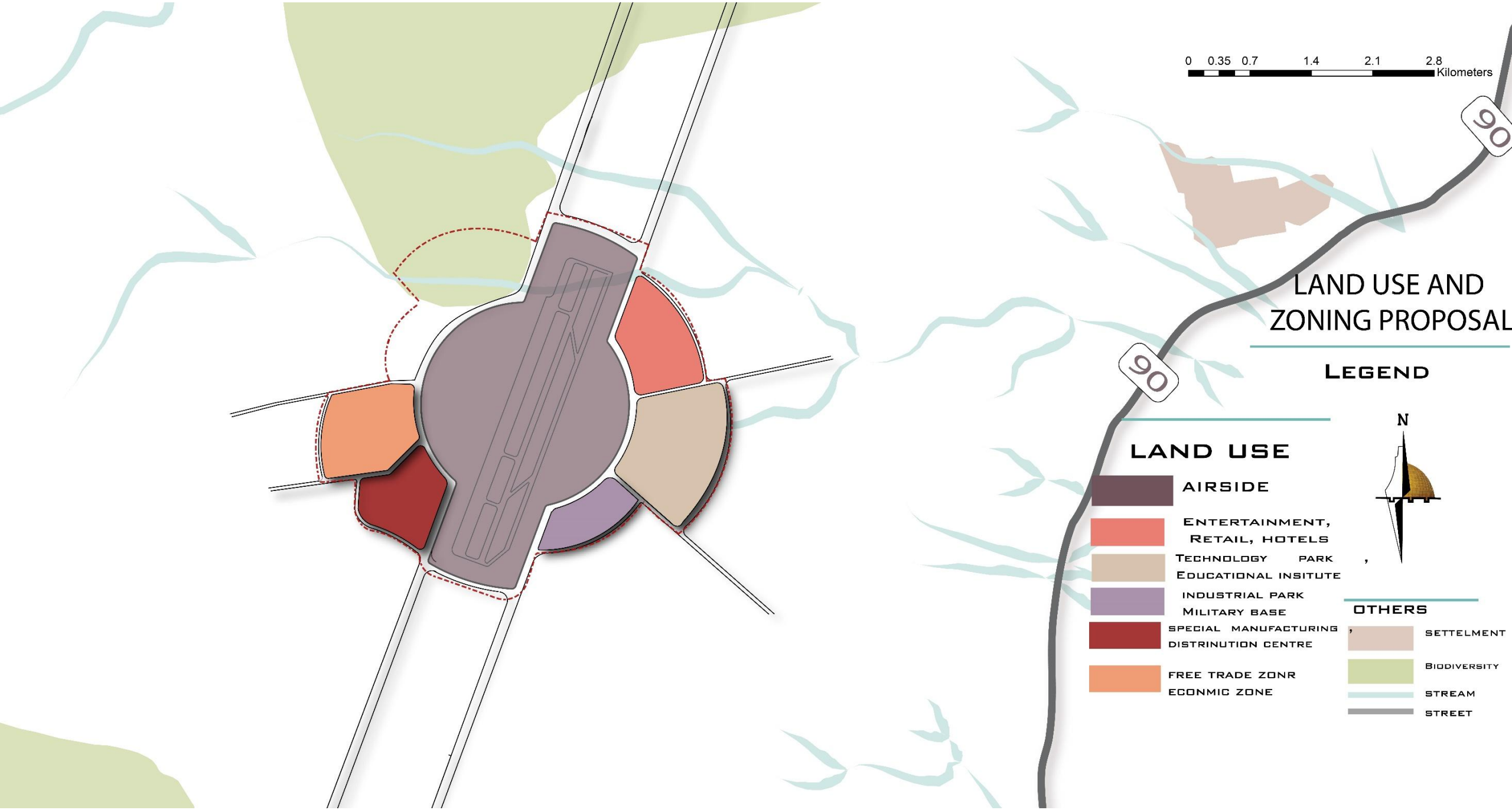
LAND USE AND ZONING PROPOSAL
LEGEND
N
LAND USE
AIRSIDE
ENTERTAINMENT, RETAIL, HOTELS
TECHNOLOGY PARK
EDUCATIONAL INSITUTE
INDUSTRIAL PARK
MILITARY BASE
special manufacturing distrinution centre
OTHERS
SETTELMENT
BIODIVERSITY
STREAM
STREET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Kilometers
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LAND USE AND ZONING PROPOSAL
LEGEND
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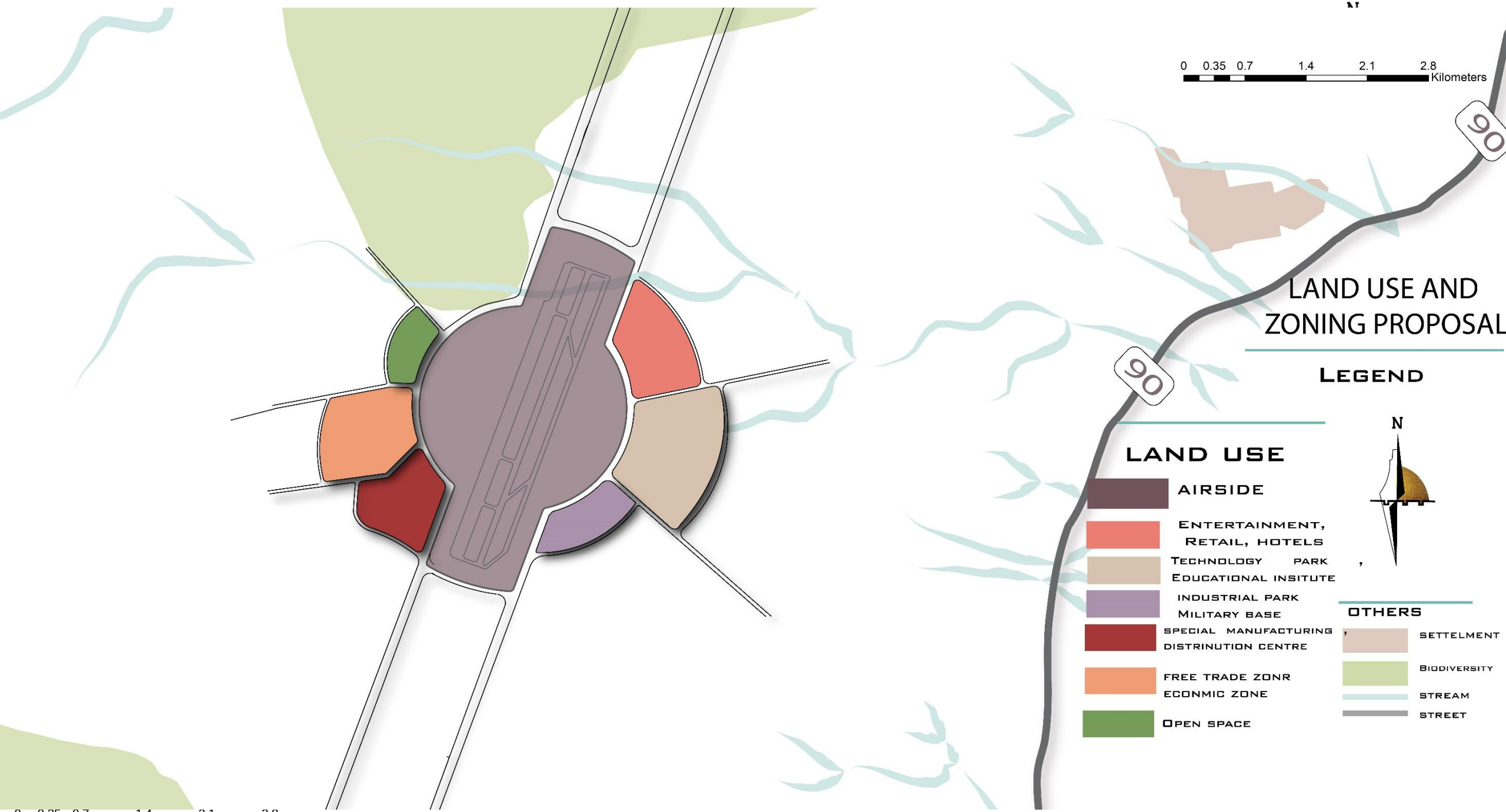
LAND USE
AIRSIDE
ENTERTAINMENT, RETAIL, HOTELS
TECHNOLOGY PARK
EDUCATIONAL INSITUTE
INDUSTRIAL PARK
MILITARY BASE
SPECIAL MANUFACTURING
DISTRINUTION CENTRE
FREE TRADE ZONR
ECONMIC ZONE
OTHERS
SETTELMENT
BIODIVERSITY
STREAM
STREET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Kilometers
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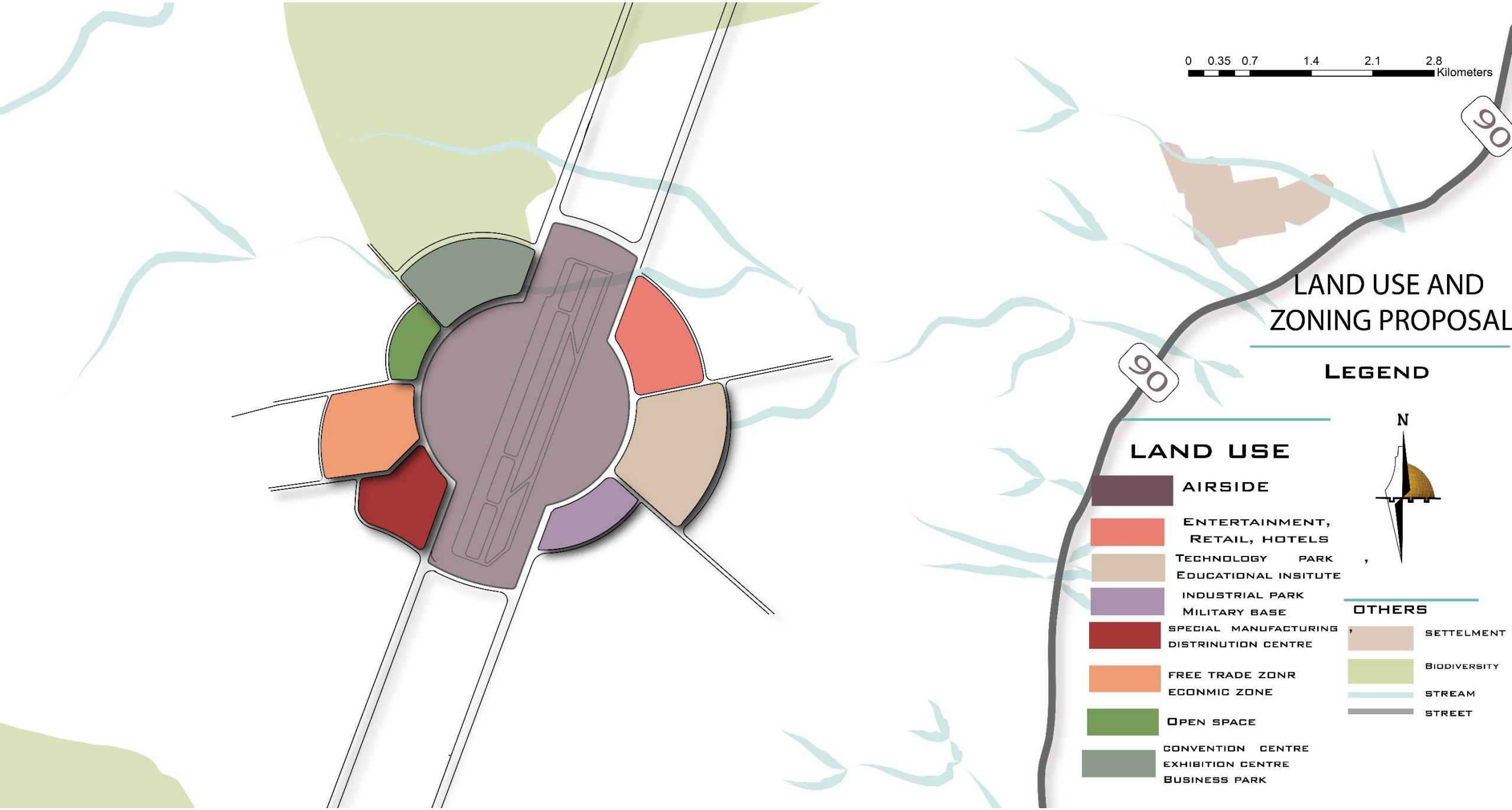
LAND USE AND ZONING PROPOSAL
LEGEND
N
LAND USE
AIRSIDE
ENTERTAINMENT, RETAIL, HOTELS
TECHNOLOGY PARK
EDUCATIONAL INSITUTE
INDUSTRIAL PARK
MILITARY BASE
SPECIAL MANUFACTURING
DISTRINUTION CENTRE
FREE TRADE ZONR
ECONMIC ZONE
OPEN SPACE
OTHERS
SETTELMENT
BIODIVERSITY
STREAM
STREET
0 0.35 0.7 1.4 2.1 2.8
Kilometers


0 0.35 0.7 1.4 2.1 2.8
Kilometers
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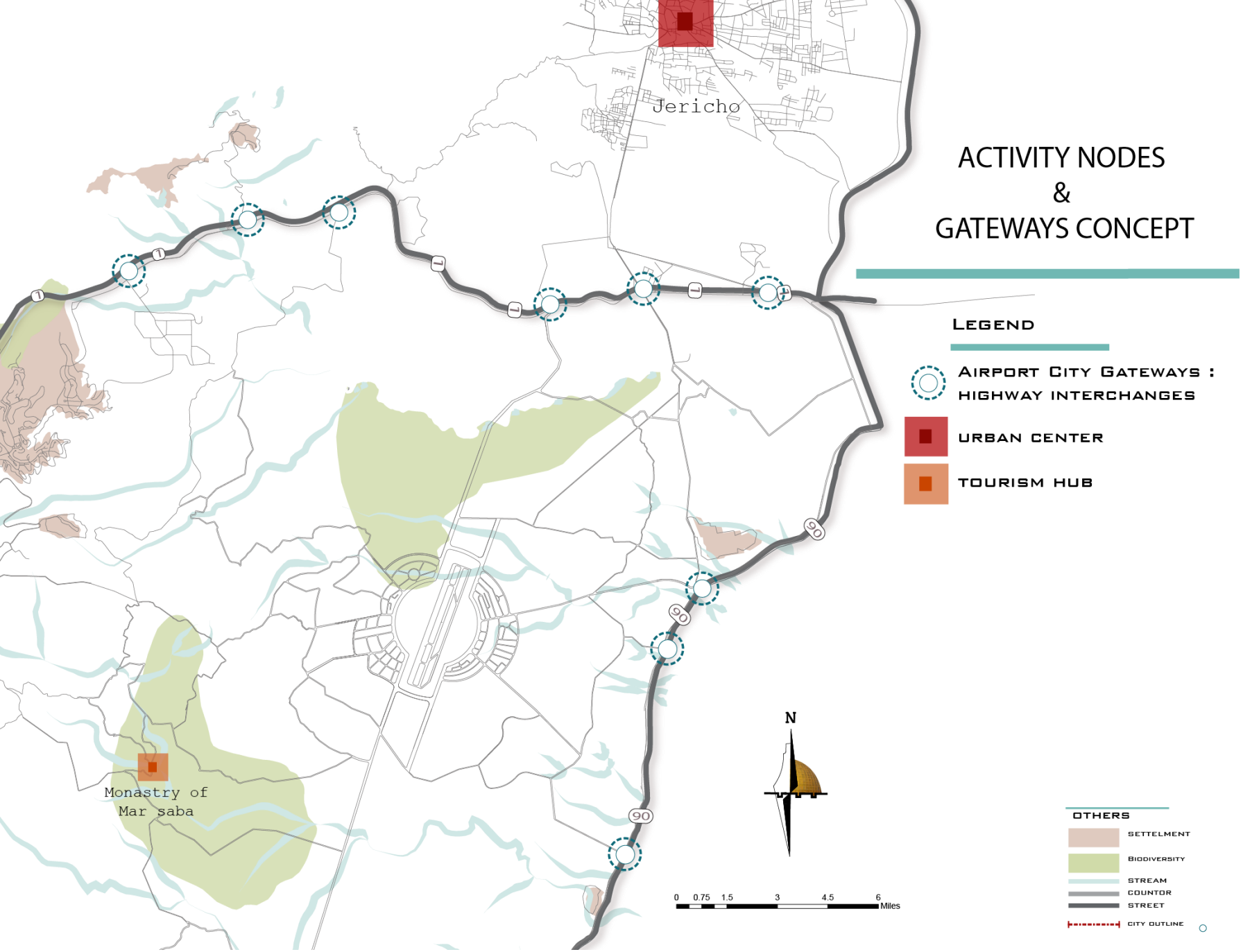
LAND USE AND ZONING PROPOSAL
LEGEND
N
LAND USE
AIRSIDE
ENTERTAINMENT, RETAIL, HOTELS
TECHNOLOGY PARK
EDUCATIONAL INSITUTE
INDUSTRIAL PARK
MILITARY BASE
SPECIAL MANUFACTURING
DISTRINUTION CENTRE
FREE TRADE ZONR
ECONMIC ZONE
OPEN SPACE
CONVENTION CENTRE
EXHIBITION CENTRE
BUSINESS PARK
OTHERS
SETTELMENT
BIODIVERSITY
STREAM
STREET

MASTER PLAN

01 **LAND USE AND ZONNING PROPOSAL**

02 **ACTIVITY NODES & GATEWAYS CONCEPT**

AIRPORT CITY



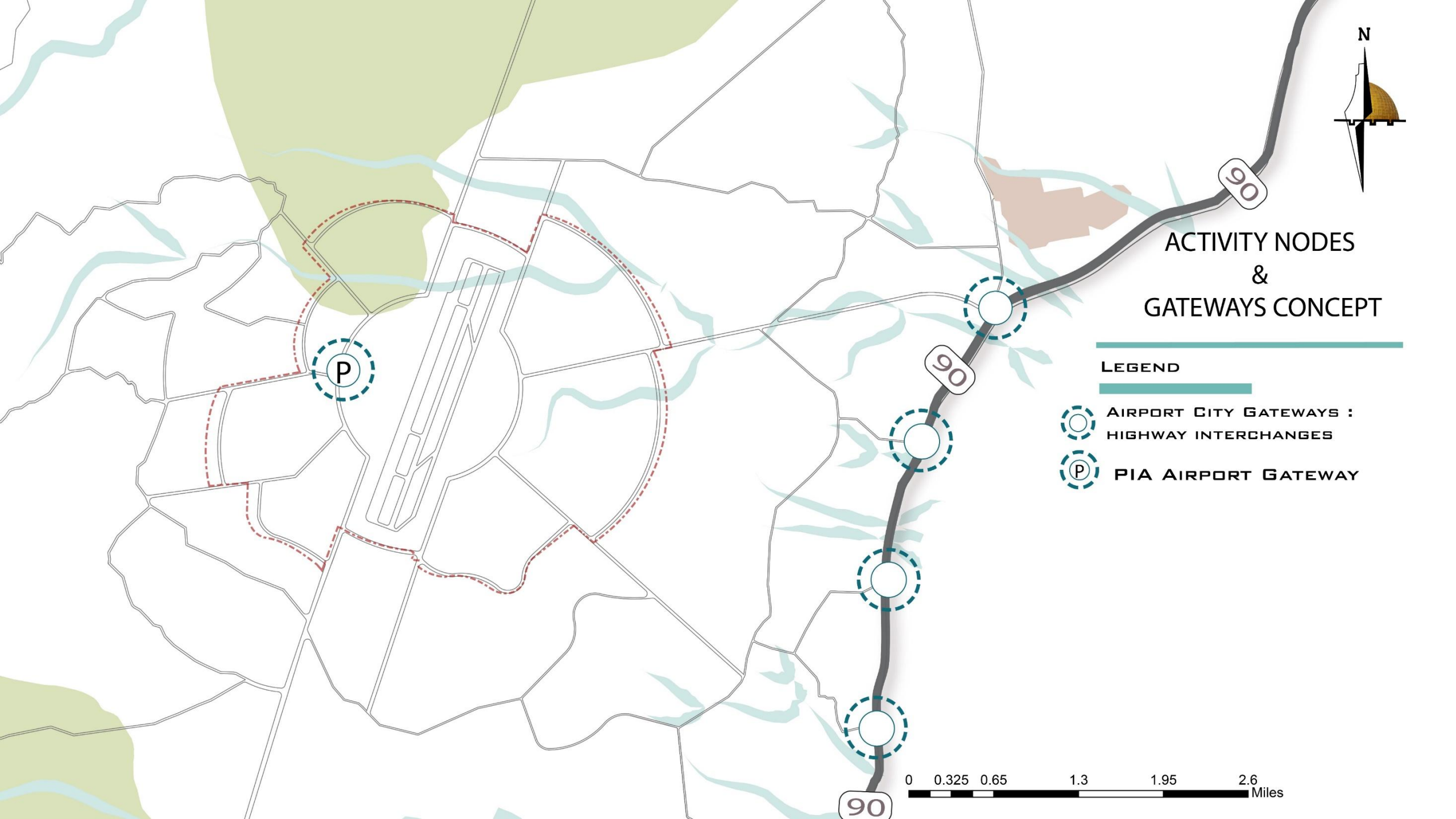
ACTIVITY NODES & GATEWAYS CONCEPT

Legend

- Airport City Gateways : highway interchanges
- urban center
- tourism hub

Others

- settelment
- Biodiversity
- stream
- countor
- street
- city outline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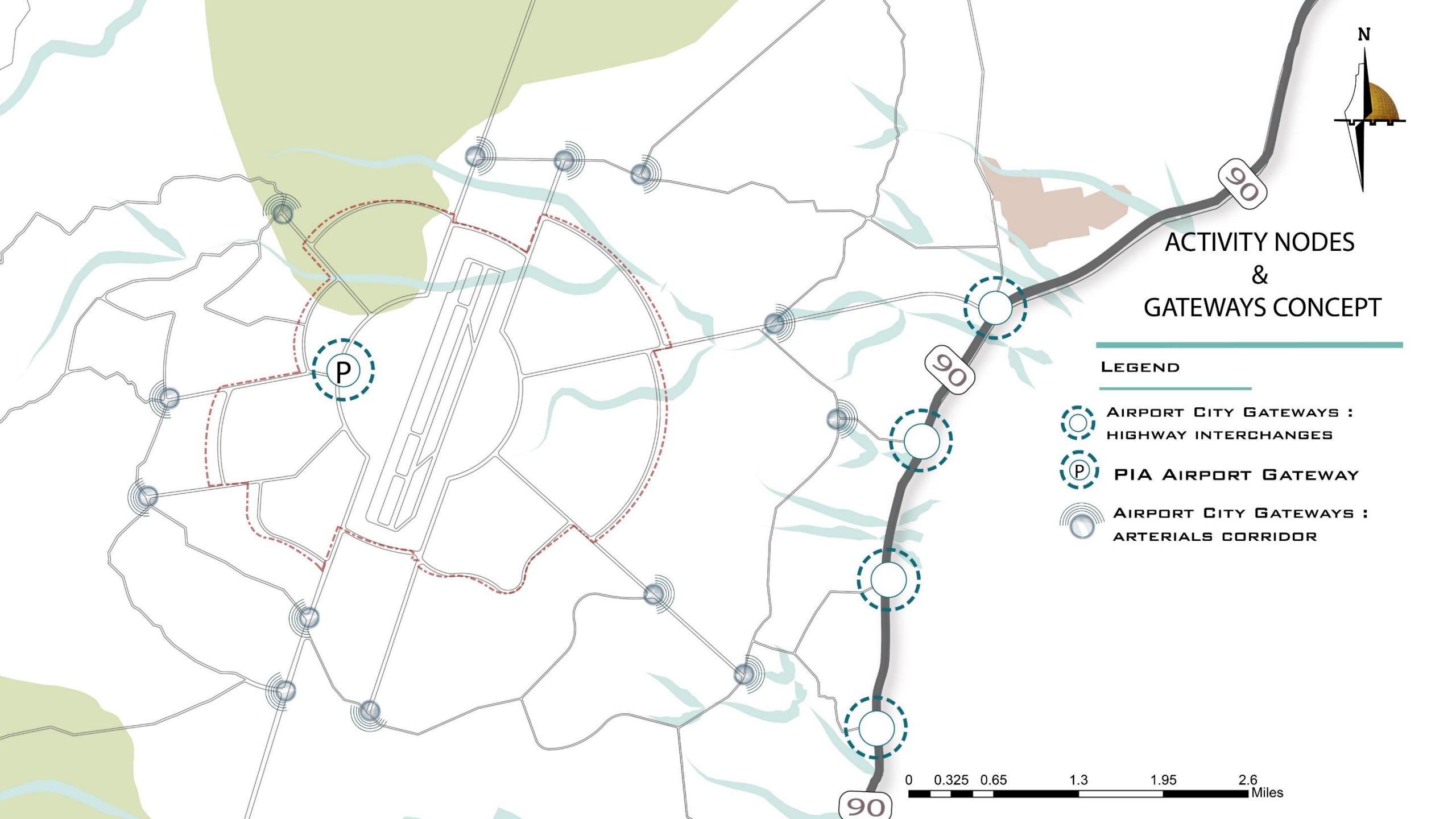
ACTIVITY NODES
&
GATEWAYS CONCEPT
LEGEND
AIRPORT CITY GATEWAYS :
HIGHWAY INTERCHANGES
PIA AIRPORT GATEWAY
0 0.325 0.65 1.3 1.95 2.6
Miles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ACTIVITY NODES
&
GATEWAYS CONCEPT
LEGEND
AIRPORT CITY GATEWAYS :
HIGHWAY INTERCHANGES
PIA AIRPORT GATEWAY
AIRPORT CITY GATEWAYS :
ARTERIALS CORRIDOR
0 0.325 0.65 1.3 1.95 2.6
Miles

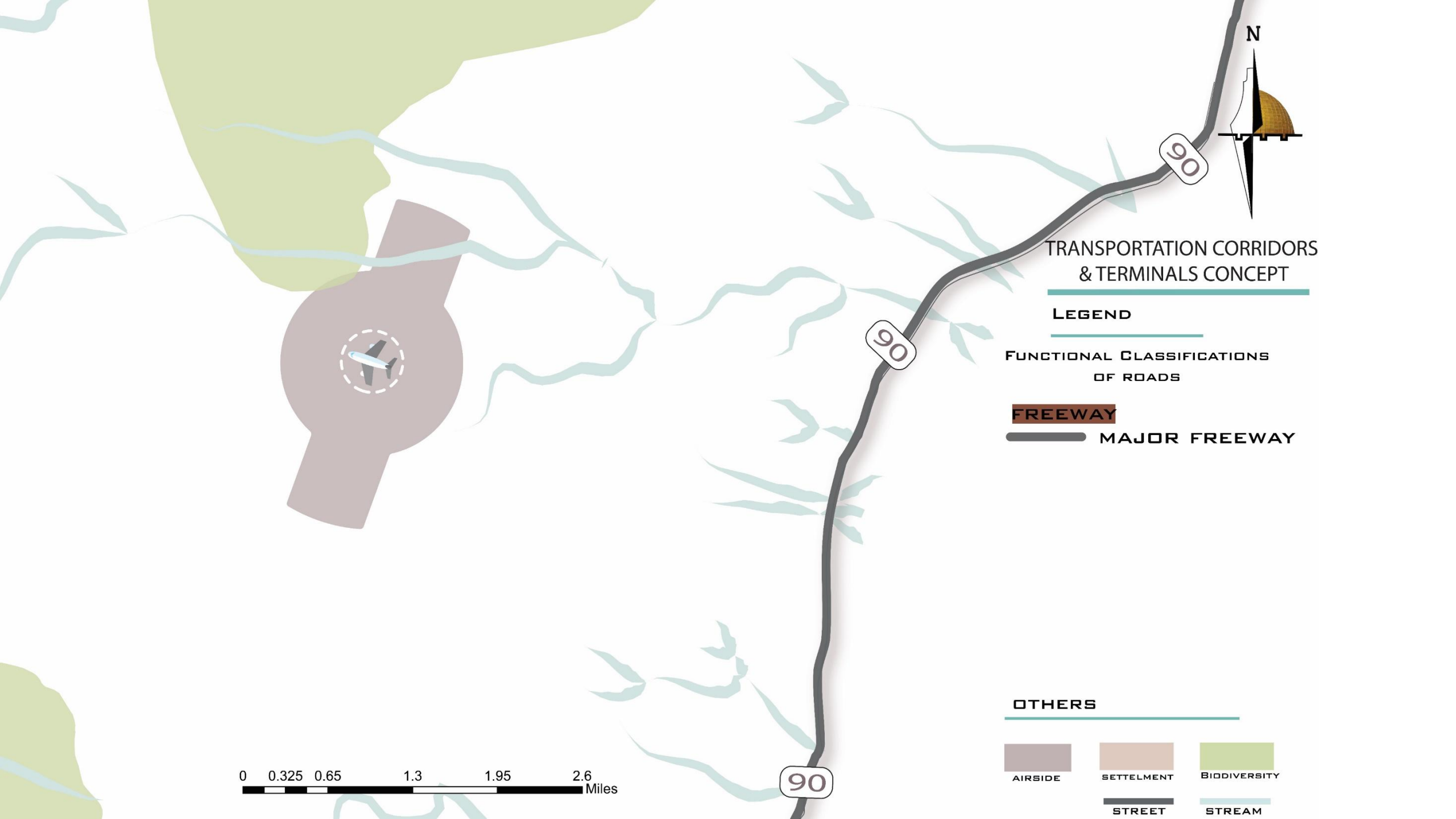
MASTER PLAN

01 LAND USE AND ZONNING PROPOSAL

02 ACTIVITY NODES & GATEWAYS CONCEPT

03 TRANSPORTATION CORRIDORS & TERMINALS CONCEPT

AIRPORT CITY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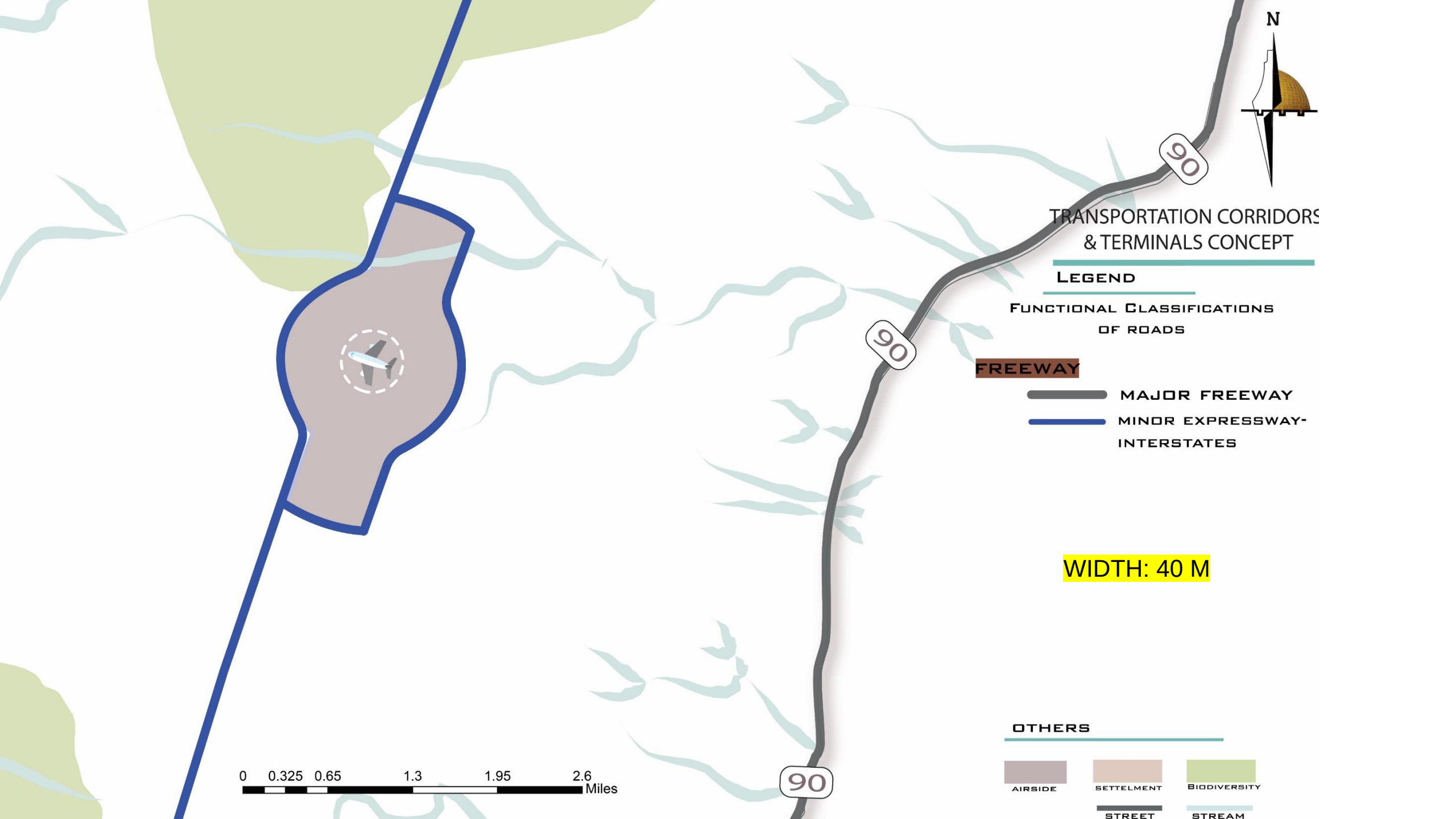
TRANSPORTATION CORRIDORS
& TERMINALS CONCEPT
LEGEND
FUNCTIONAL CLASSIFICATIONS
OF ROADS
FREEWAY
MAJOR FREEWAY
OTHERS
AIRSIDE
SETTELMENT
BIODIVERSITY
STREET
STREAM
0 0.325 0.65 1.3 1.95 2.6
Miles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TRANSPORTATION CORRIDORS
& TERMINALS CONCEPT
LEGEND
FUNCTIONAL CLASSIFICATIONS
OF ROADS
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MAJOR FREEWAY
MINOR EXPRESSWAY-
INTERSTATES
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OTHERS
AIRSIDE
SETTELMENT
BIODIVERSITY
STREET
STREAM
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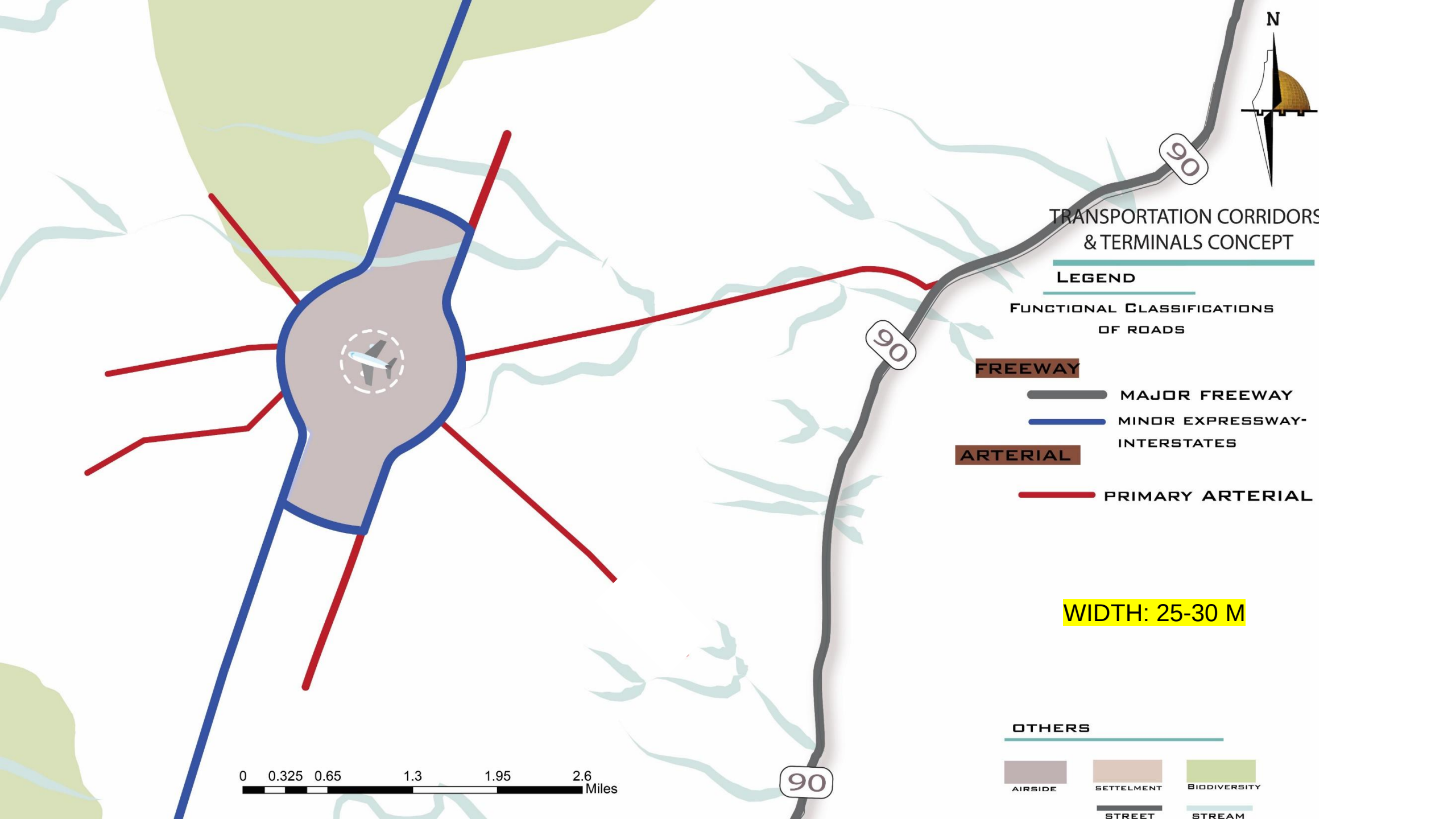
Miles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TRANSPORTATION CORRIDORS
& TERMINALS CONCEPT
LEGEND
FUNCTIONAL CLASSIFICATIONS
OF ROADS
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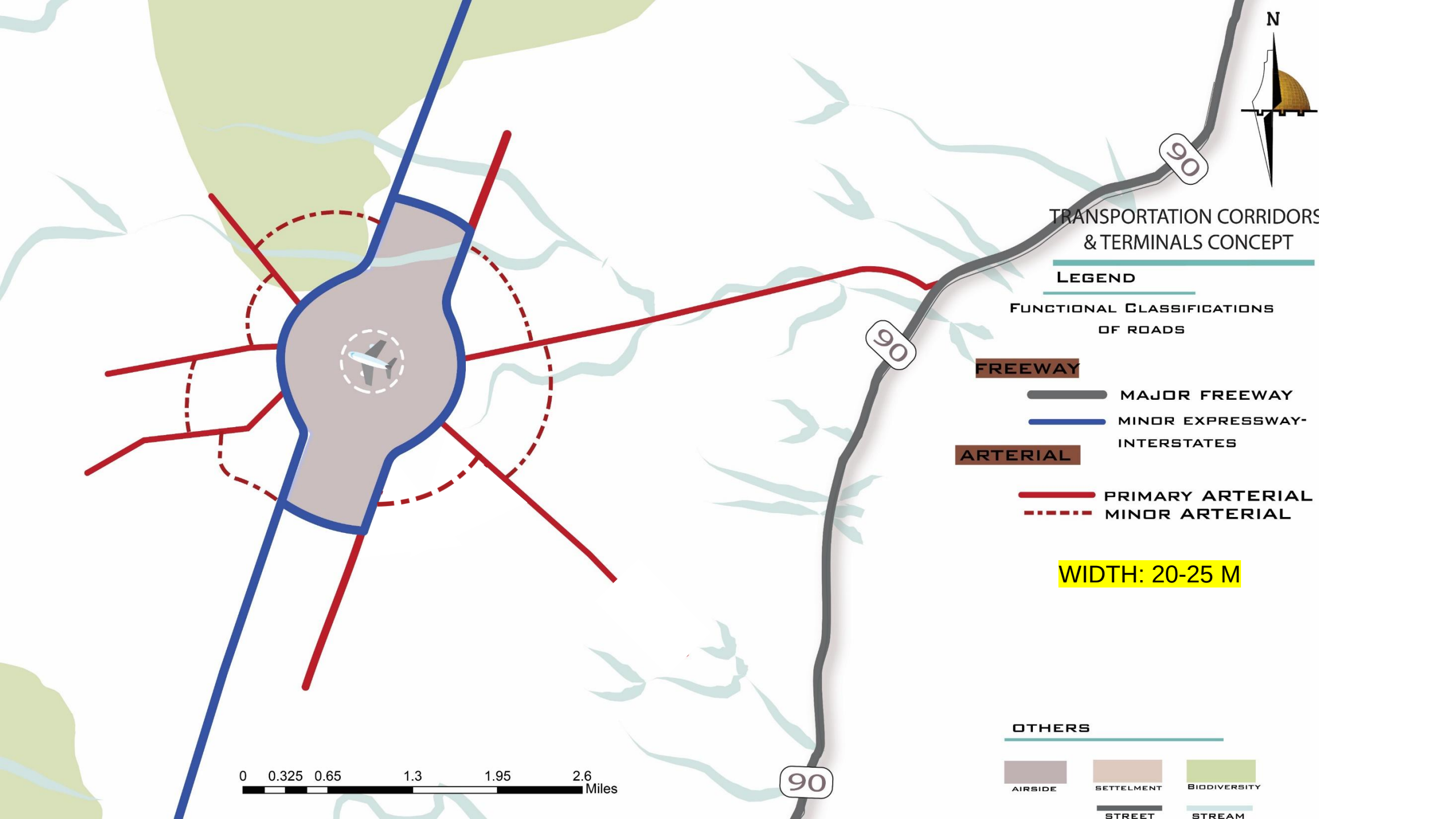
MAJOR FREEWAY
MINOR EXPRESSWAY-
INTERSTATES
ARTERIAL
PRIMARY ARTERIAL
WIDTH: 25-30 M
OTHERS
AIRSIDE
SETTELMENT
BIODIVERSITY
STREET
STREAM
0 0.325 0.65 1.3 1.95 2.6
Miles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TRANSPORTATION CORRIDORS
& TERMINALS CONCEPT
LEGEND
FUNCTIONAL CLASSIFICATIONS
OF ROADS
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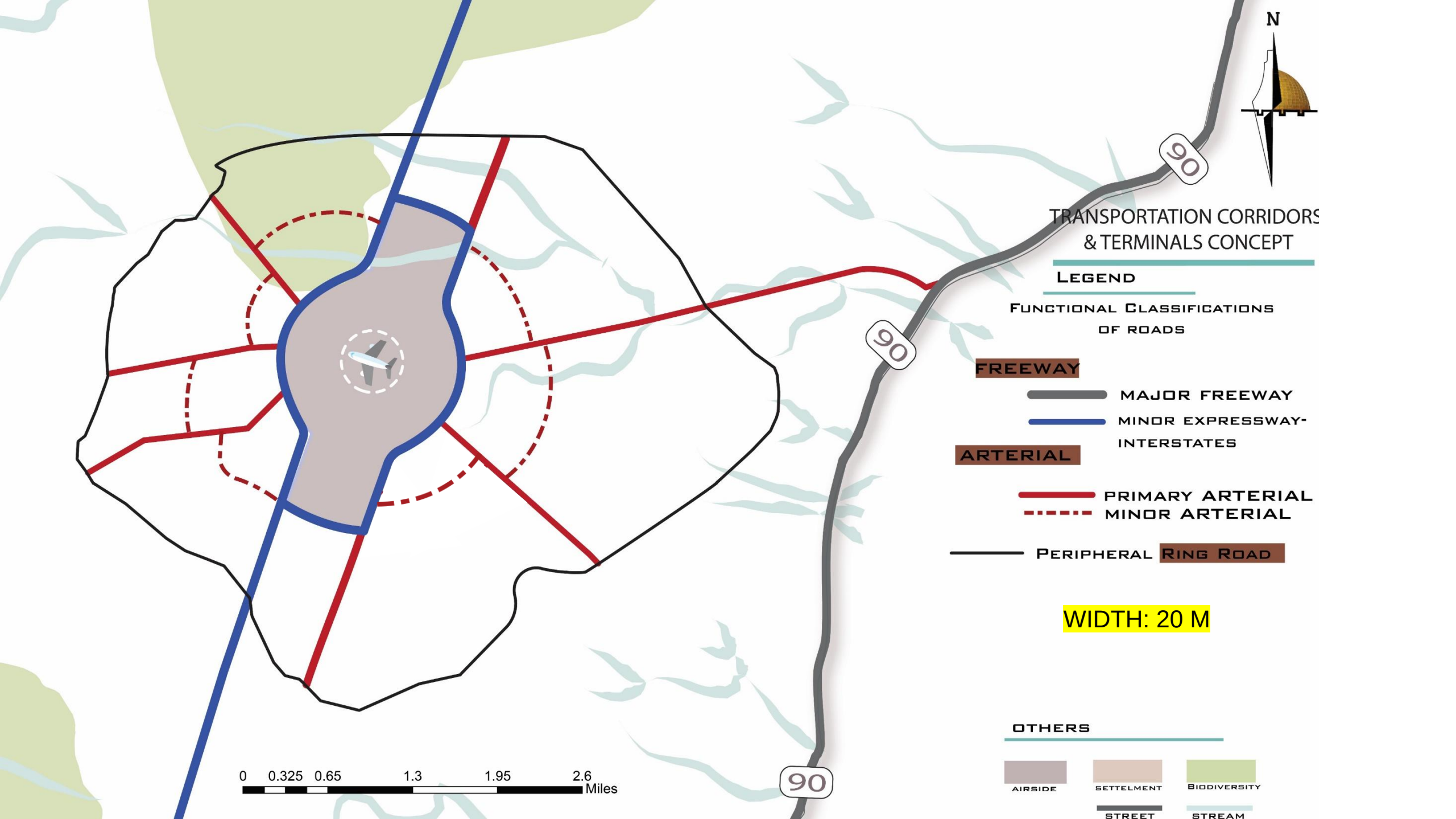
MAJOR FREEWAY
MINOR EXPRESSWAY-
INTERSTATES
ARTERIAL
PRIMARY ARTERIAL
MINOR ARTERIAL
WIDTH: 20-25 M
OTHERS
AIRSIDE
SETTELMENT
BIODIVERSITY
STREET
STREAM
0 0.325 0.65 1.3 1.95 2.6
Miles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TRANSPORTATION CORRIDORS
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FUNCTIONAL CLASSIFICATIONS
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MINOR EXPRESSWAY-
INTERSTATES
ARTERIAL
PRIMARY ARTERIAL
MINOR ARTERIAL
PERIPHERAL RING ROAD
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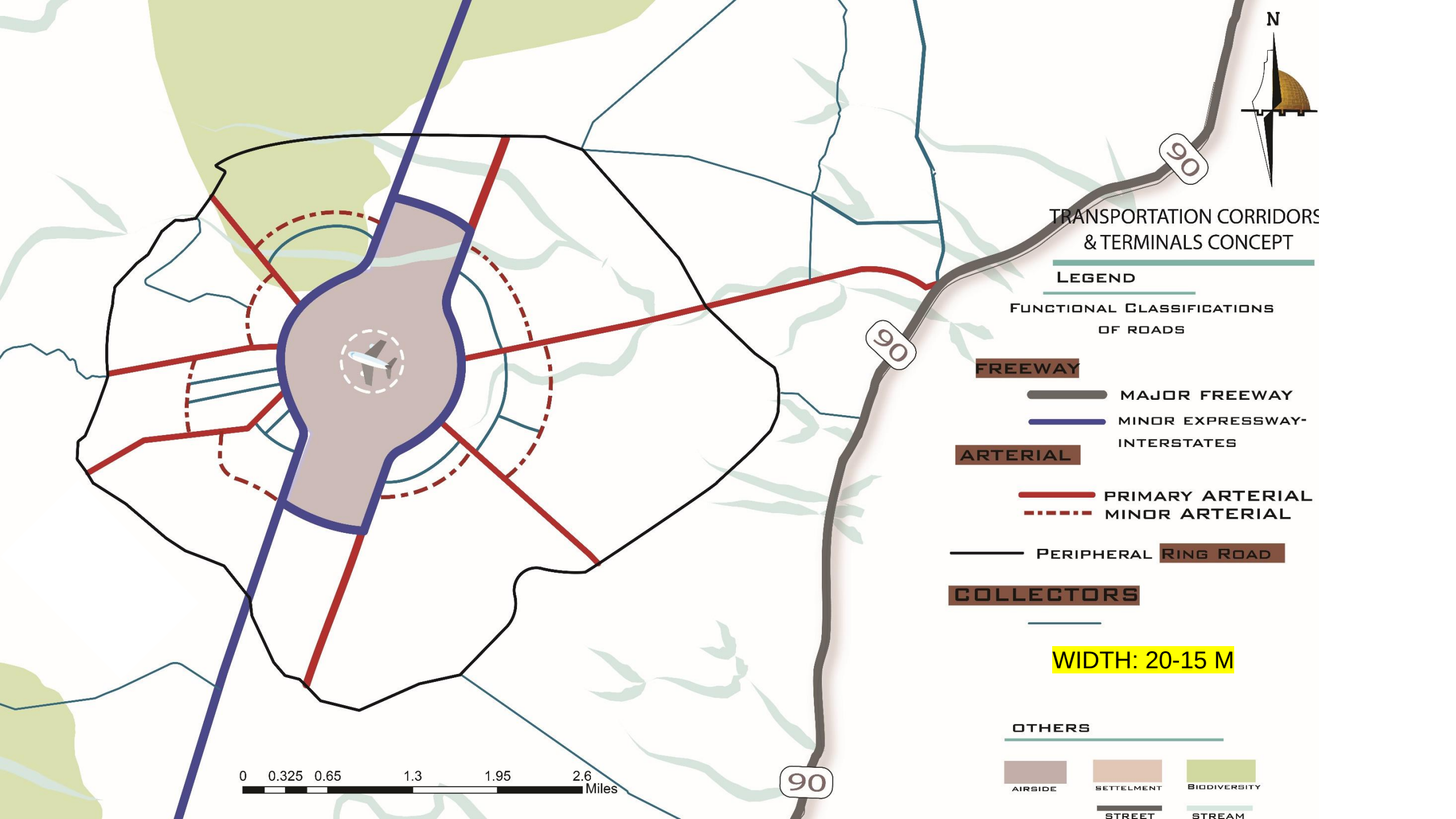
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TRANSPORTATION CORRIDORS
& TERMINALS CONCEPT
LEGEND
FUNCTIONAL CLASSIFICATIONS
OF ROADS
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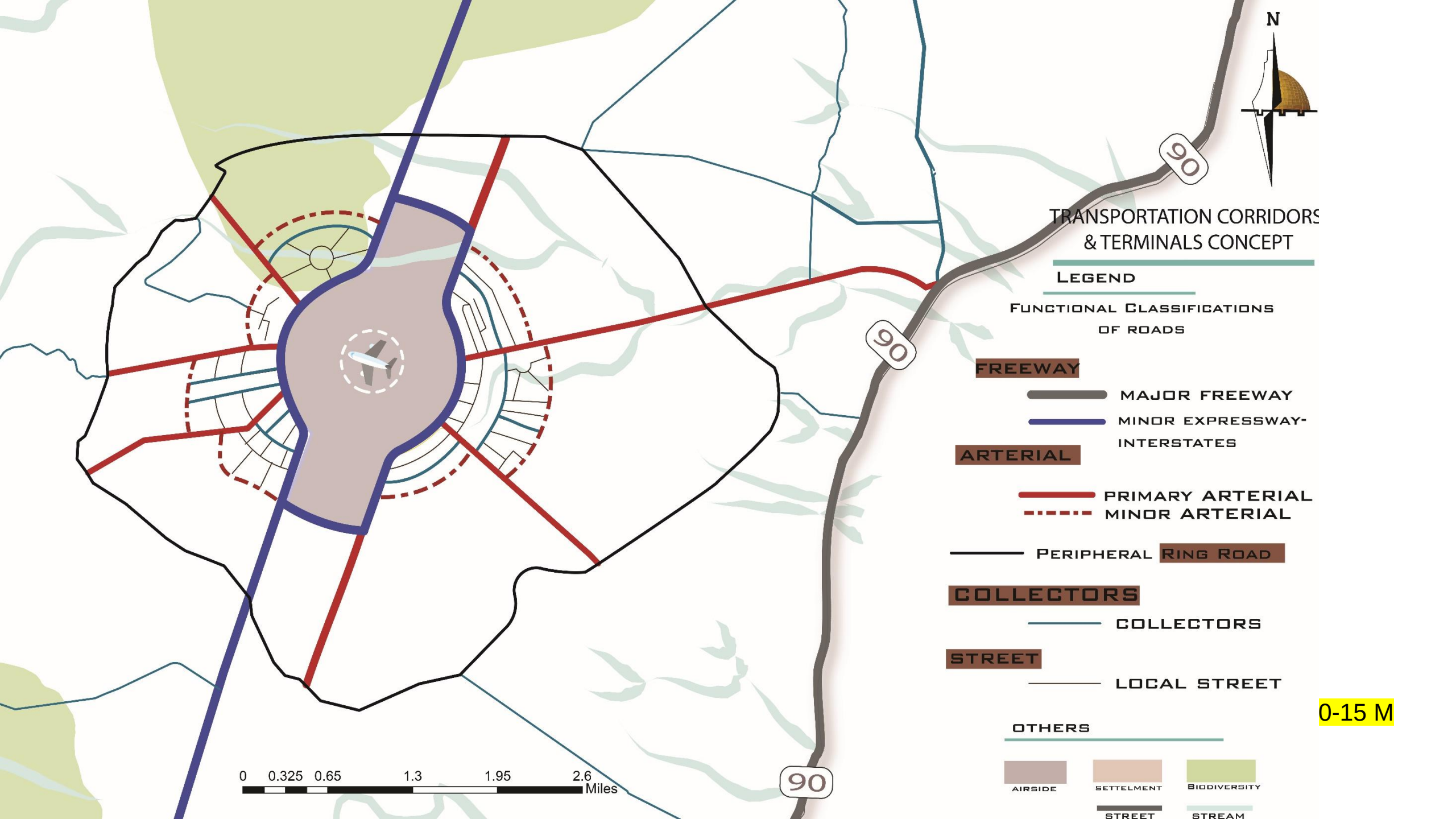
MAJOR FREEWAY
MINOR EXPRESSWAY-
INTERSTATES
ARTERIAL
PRIMARY ARTERIAL
MINOR ARTERIAL
PERIPHERAL RING ROAD
COLLECTORS
WIDTH: 20-15 M
OTHERS
AIRSIDE
SETTELMENT
BIODIVERSITY
STREET
STREAM
0 0.325 0.65 1.3 1.95 2.6
Miles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FUNCTIONAL CLASSIFICATIONS
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MAJOR FREEWAY
MINOR EXPRESSWAY-
INTERSTATES
ARTERIAL
PRIMARY ARTERIAL
MINOR ARTERIAL
PERIPHERAL RING ROAD
COLLECTORS
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STREET
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STREET
STREAM
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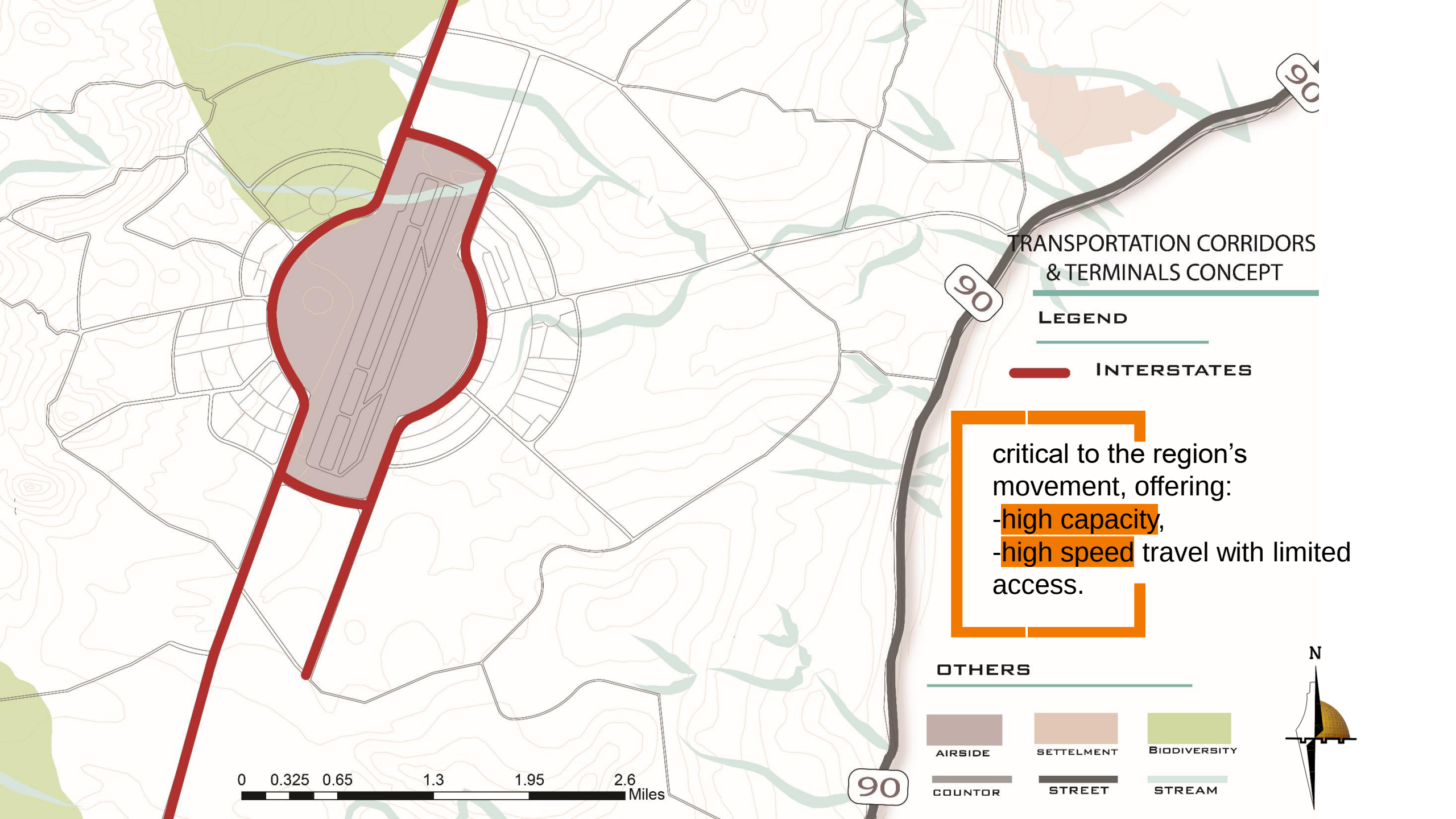
Miles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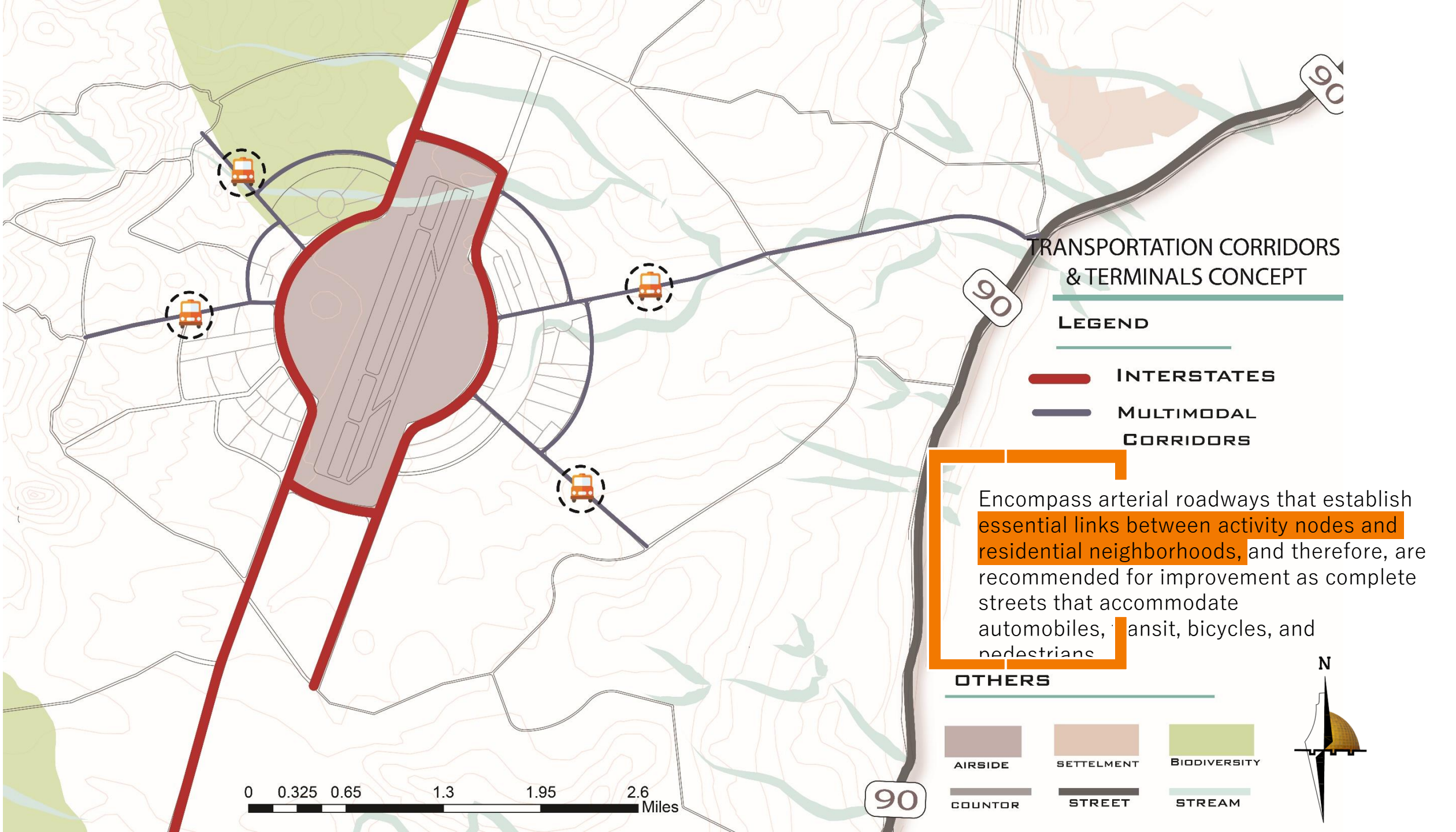
TRANSPORTATION CORRIDORS
& TERMINALS CONCEPT
LEGEND
INTERSTATES
critical to the region's movement, offering:
-high capacity,
-high speed travel with limited access.
OTHERS
AIRSIDE
SETTELMENT
BIODIVERSITY
COUNTOR
STREET
STREAM
N
0 0.325 0.65 1.3 1.95 2.6
Miles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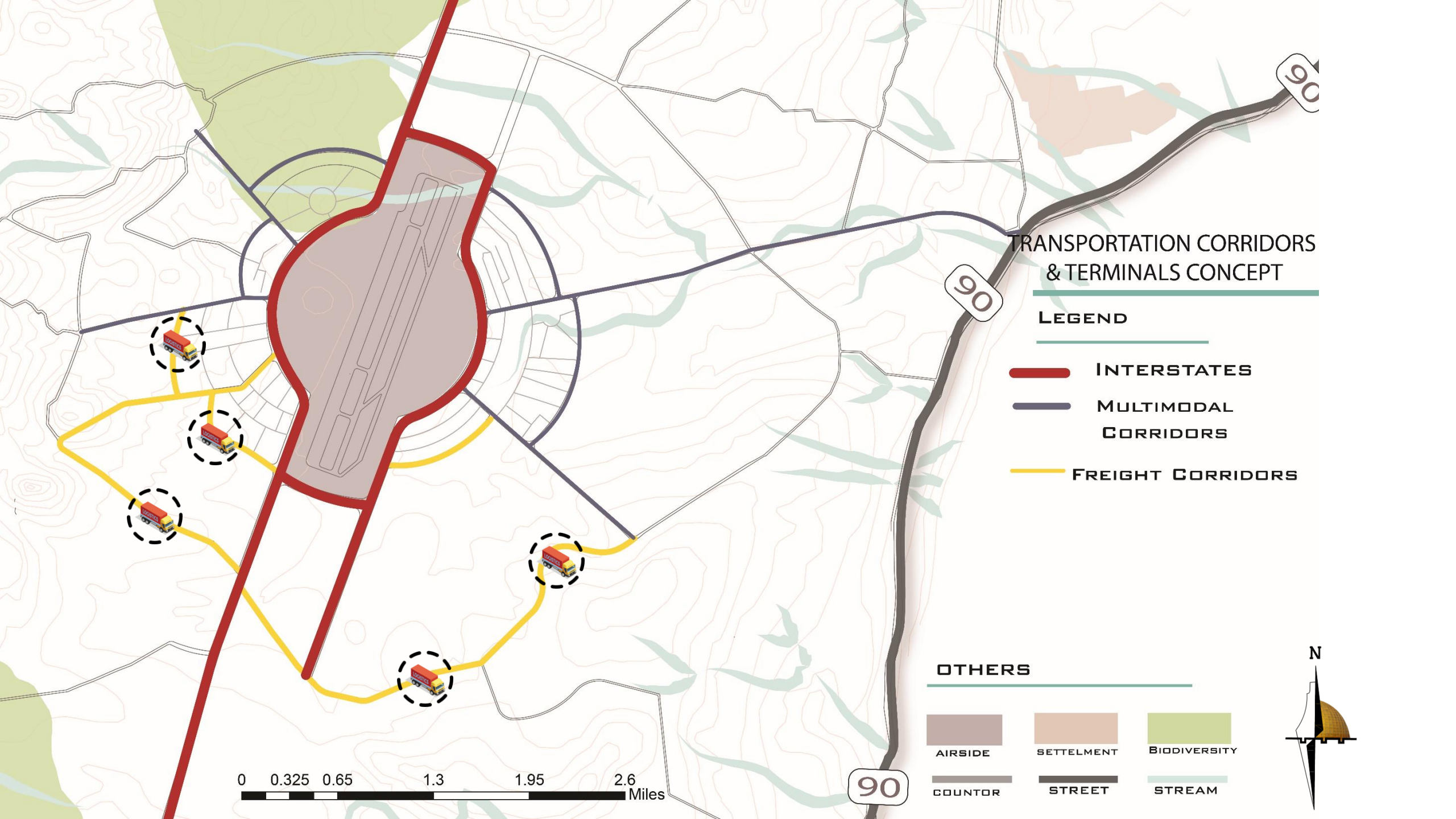
TRANSPORTATION CORRIDORS
& TERMINALS CONCEPT
LEGEND
INTERSTATES
MULTIMODAL
CORRIDORS
Encompass arterial roadways that establish essential links between activity nodes and residential neighborhoods, and therefore, are recommended for improvement as complete streets that accommodate automobiles, transit, bicycles, and pedestrians
OTHERS
AIRSIDE
SETTELMENT
BIODIVERSITY
COUNTOR
STREET
STREAM
N
0 0.325 0.65 1.3 1.95 2.6
Miles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TRANSPORTATION CORRIDORS
& TERMINALS CONCEPT
LEGEND
INTERSTATES
MULTIMODAL
CORRIDORS
FREIGHT CORRIDORS
OTHERS
AIRSIDE
SETTELMENT
BIODIVERSITY
COUNTOR
STREET
STREAM
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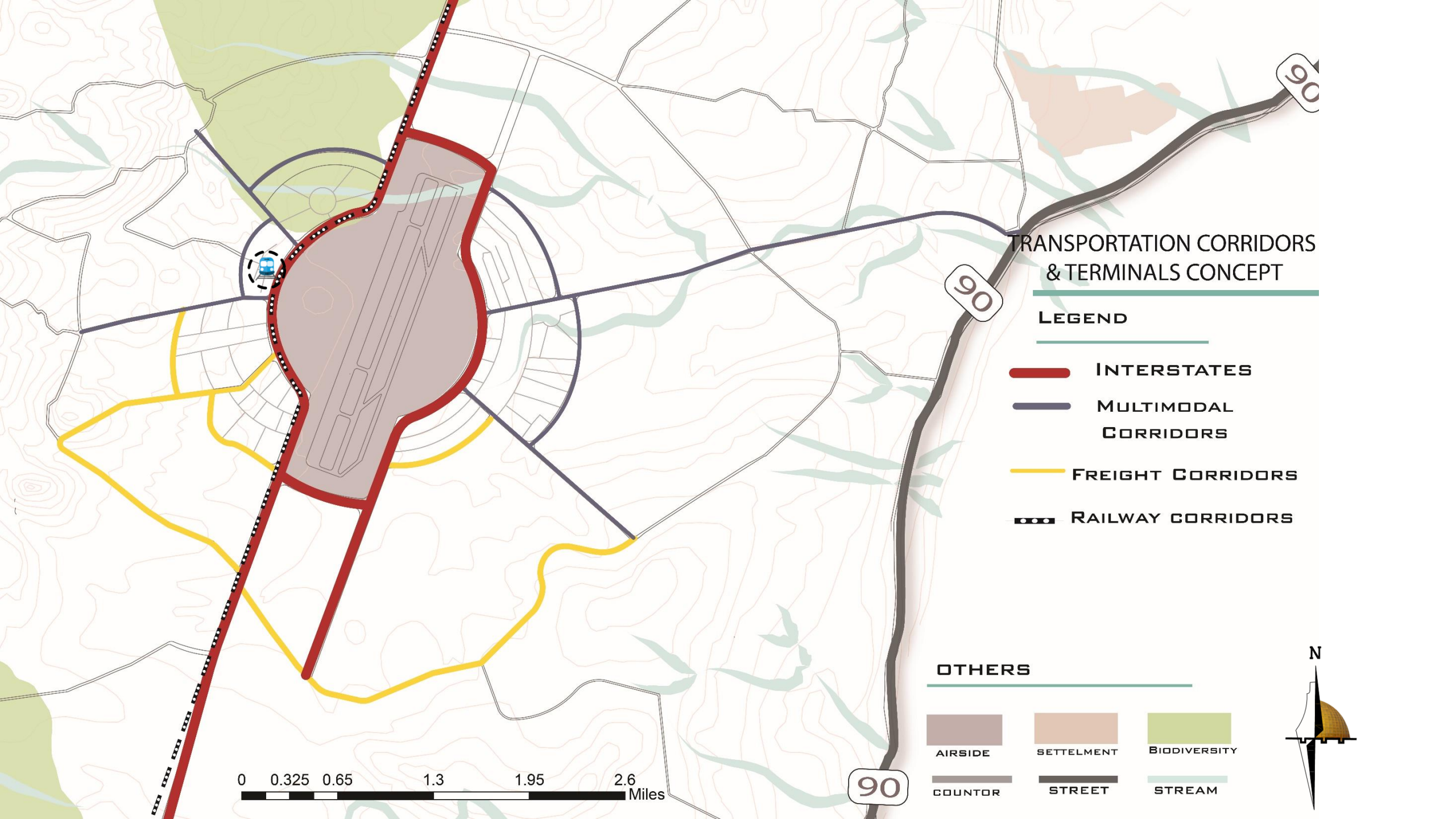
0 0.325 0.65 1.3 1.95 2.6
Miles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TRANSPORTATION CORRIDORS
& TERMINALS CONCEPT
LEGEND
INTERSTATES
MULTIMODAL
CORRIDORS
FREIGHT CORRIDORS
RAILWAY CORRIDORS
OTHERS
AIRSIDE
SETTELMENT
BIODIVERSITY
COUNTOR
STREET
STREAM
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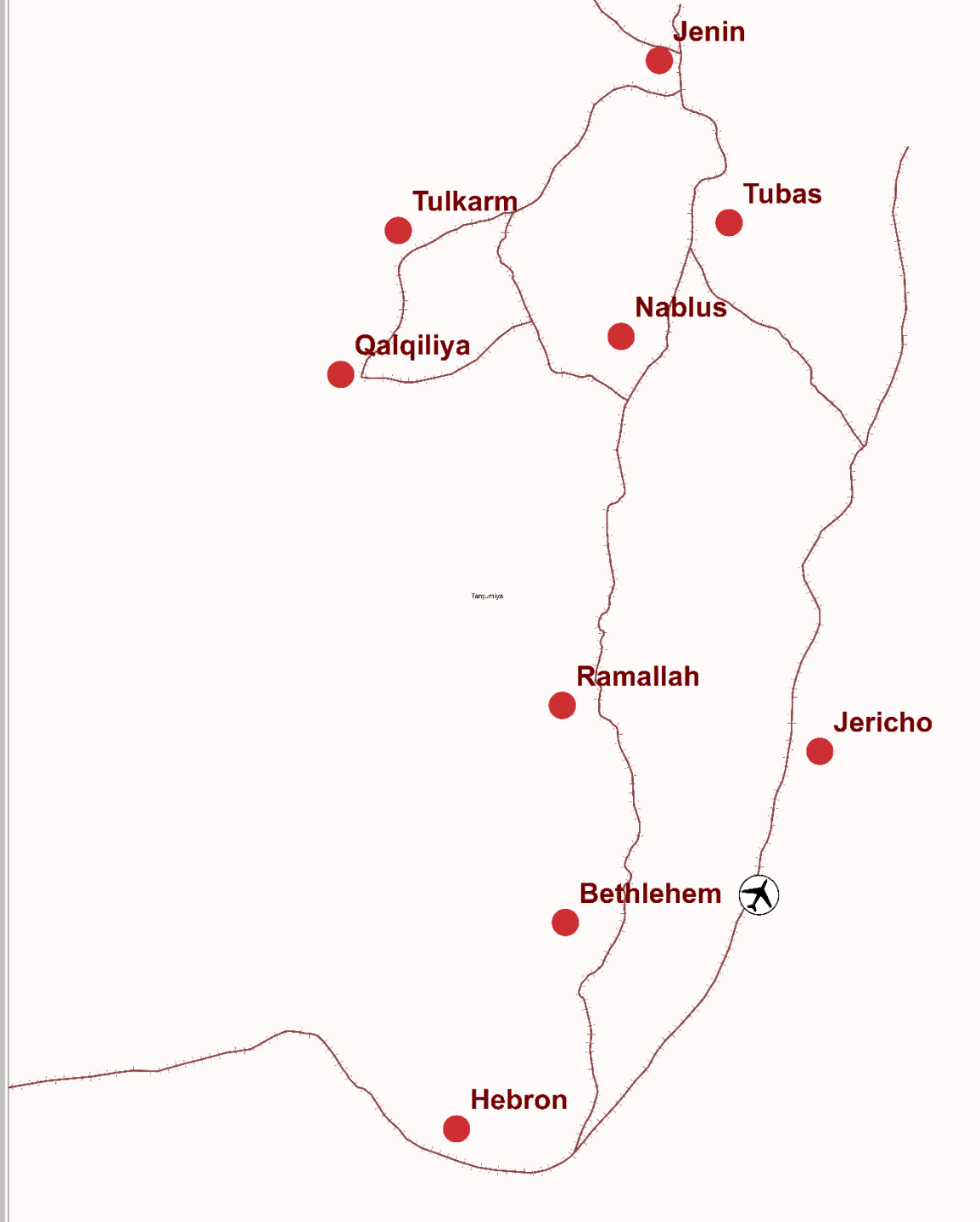
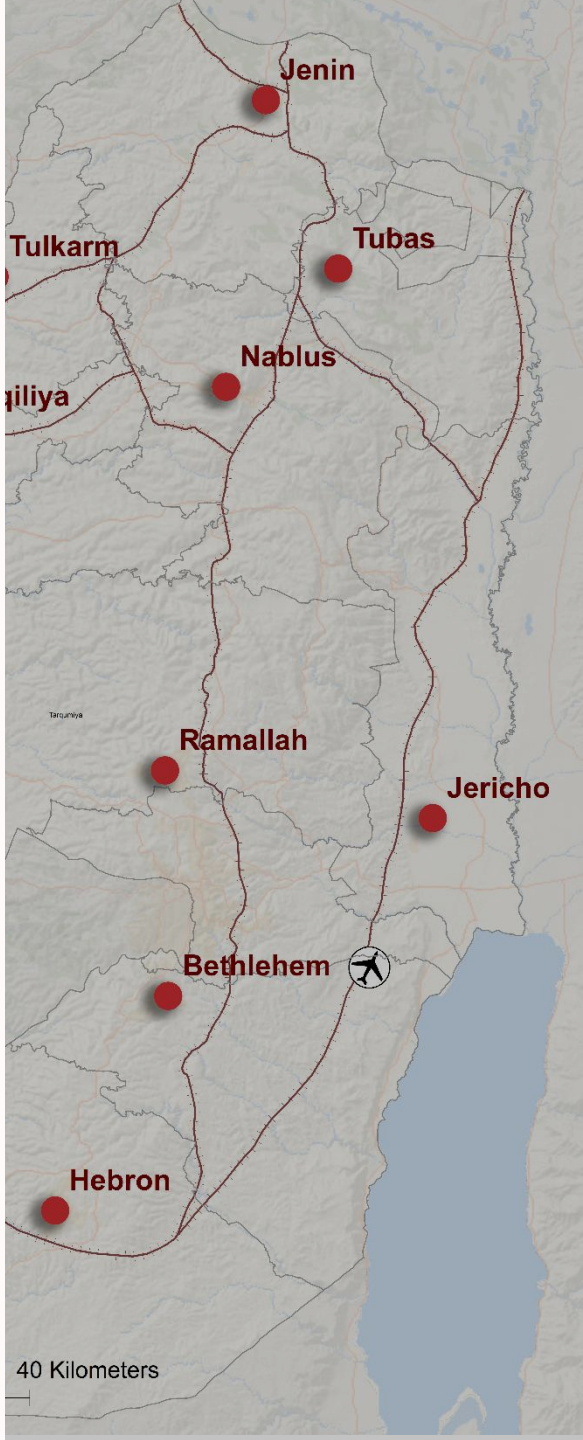
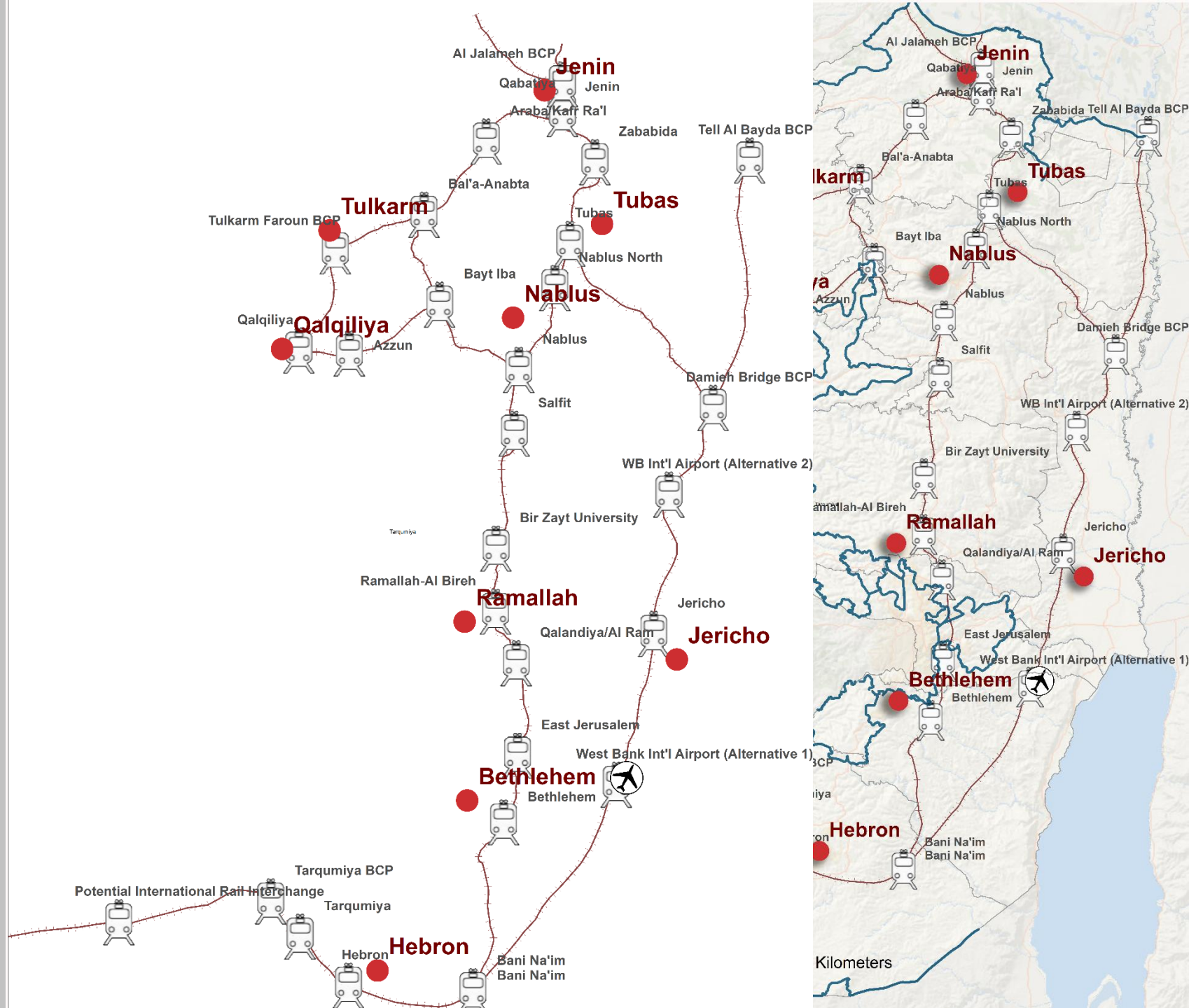
0 0.325 0.65 1.3 1.95 2.6
Miles

Railway Network





Railway Network



MASTER PLAN

01 LAND USE AND ZONNING PROPOSAL

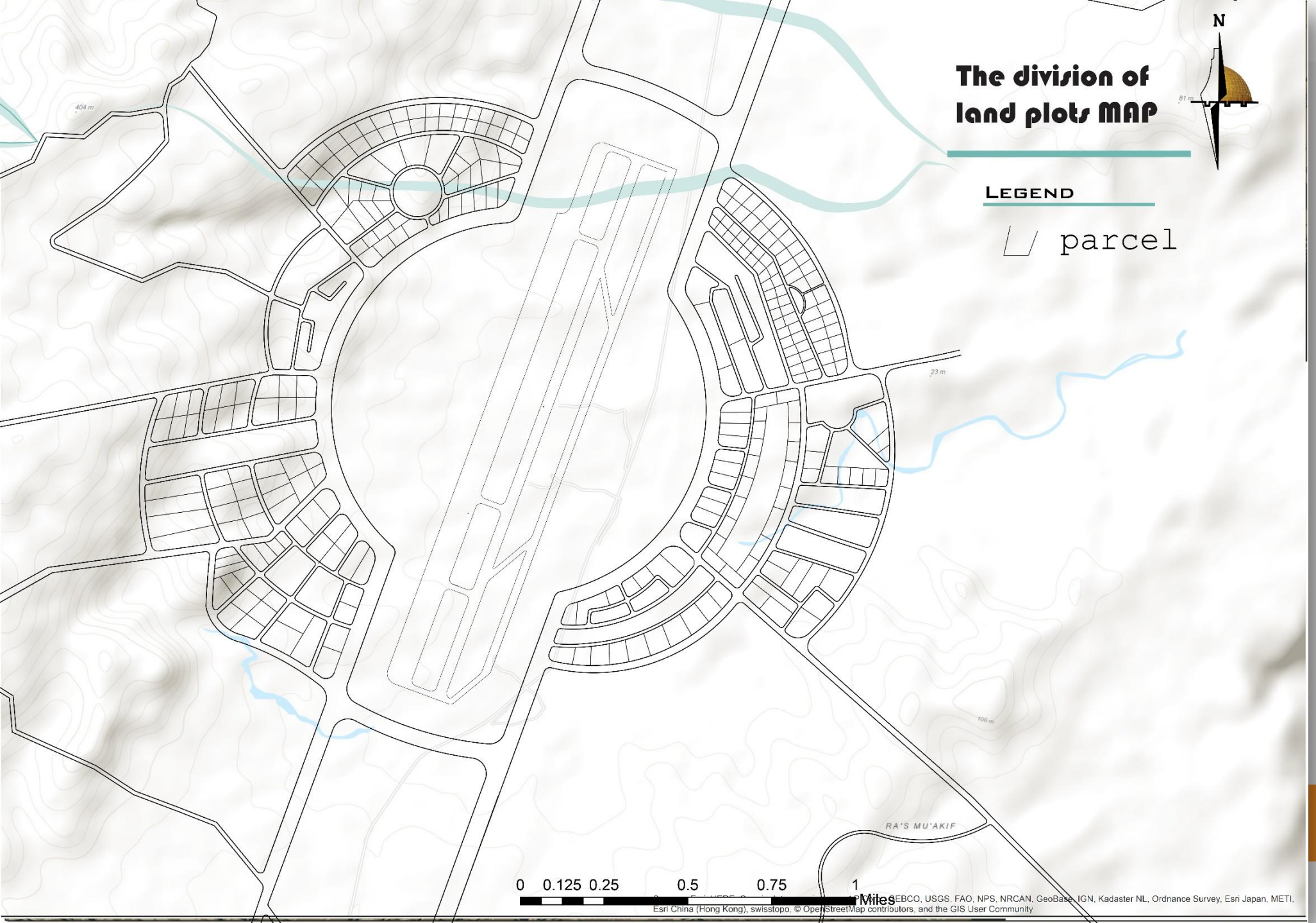
02 ACTIVITY NODES & GATEWAYS CONCEPT

03 TRANSPORTATION CORRIDORS & TERMINALS CONCEPT

04 Parcelation and spaces CONCEPT

AIRPORT CITY

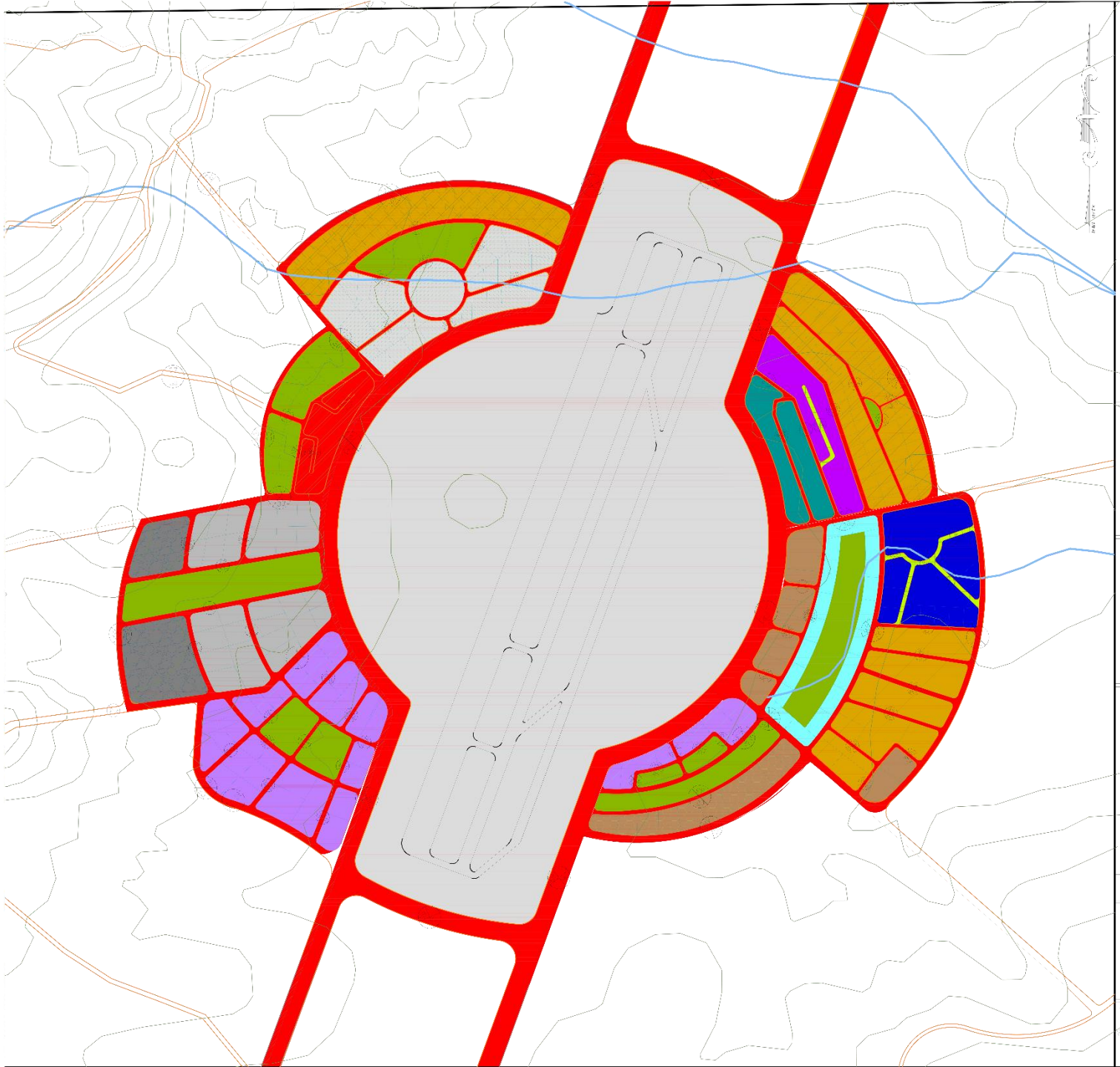

The division of land plots MAP
N
LEGEND
404 m
23 m
100 m
RA'S MU'AKIF
0 0.125 0.25 0.5 0.75 1
Miles
GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo. © OpenStreetMap contributors, and the GIS User Community


The division of land plots MAP
N
LEGEND
parcel
404 m
23 m
100 m
RA'S MU'AKIF
0 0.125 0.25 0.5 0.75 1
Miles
GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo. © OpenStreetMap contributors, and the GIS User Community


The division of land plots MAP
N
LEGEND
parcel
OPEN SPACE
Waterboides
RA'S MU'AKIF
0 0.125 0.25 0.5 0.75 1
Miles
Esri China (Hong Kong), swisstopo. © OpenStreetMap contributors, and the GIS User Community


The division of
land plots MAP
N
LEGEND
parcel
OPEN SPACE
Waterboides
pulic parking
RA'S MU'AKIF
0 0.125 0.25 0.5 0.75 1
Miles
Esri China (Hong Kong), swisstopo, © OpenStreetMap contributors, and the GIS User Community


MASTER
PLAN



STATE OF PALESTINE

MINISTRY OF LOGAL GOVERNMEN

MASTER PLAN FOR PALESTINE NATIONAL AIRPORT CITY

Table of master plan spaces

percentage	area /Acres	class	color
		low-level	
		Residential Projects	
		A tourist area for hotels and recreation	
		Hotels	
		Institutes	
		public facilities	
		light industrial area	
		open space	
		parking	
		State territory	
		OFFICES	
		Semi-residential cell areas	
		Airport area	
		The level of alignment	
		street	
		local	

street boundary

pedestrians path

Master plan boundary

suggestion road

Parcel

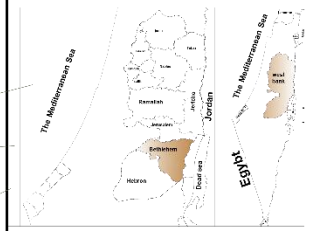
contour line

street

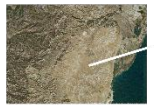
Street L

street w

locations Directory Map



site location



MASTER PLANNING.dwg

Wednesday, May 16, 2018 8:01:55 AM

Table of master plan spaces

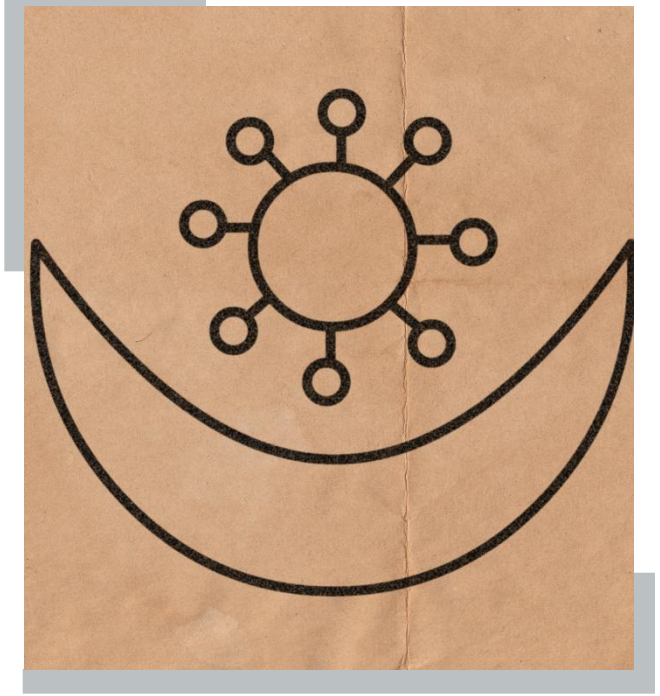
	9184.511	total area /Acres	
percentage	area -Acres	class	color
2.19%	201.076	Residential	
3.13%	287.909	Residential Projects	
1.19%	109.570	A tourist area for hotels and recreation	
1.22%	111.743	Hotels	
2.22%	203.631	Institutes	
1.15%	105.537	public facilities	
1.47%	134.669	light industrial area	
5.70%	523.325	open space	
2.37%	217.333	parking	
1.94%	177.931	State territory	
0.004667	42.867	Water pools	
0.024215	222.406	Industrial area	
0.038951	357.743	Commercial area	
1.73%	158.562	Commercial and craft uses	
3.26%	299.102	Commercial and administrative activities area	
44.45%	4082.398	Airport area	
1.18%	108.822	Railway	
79.97%	7,344.62	Total excluding streets	
20.03%	1839.89	street	
100.00%	9,184.51	total	


SITE PLAN

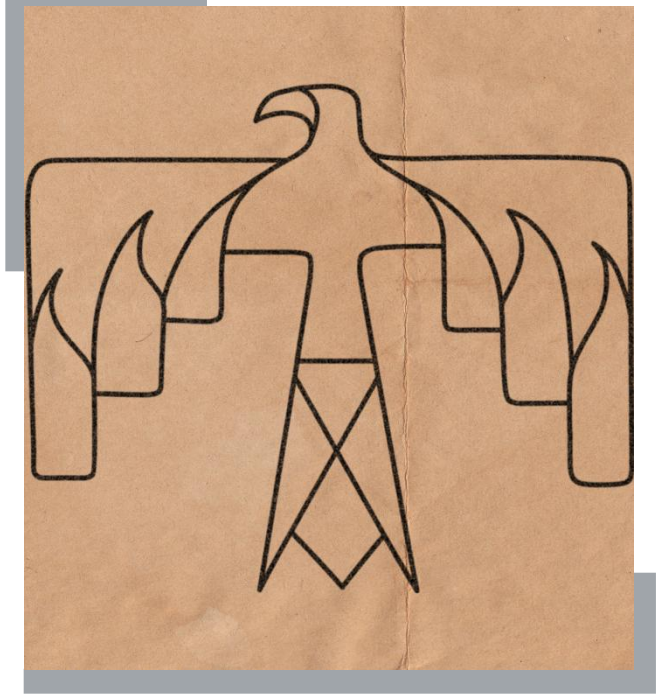
1.AIRPORT

TERMINAL CONCEPT

The moon was the protector and guardian of the earth

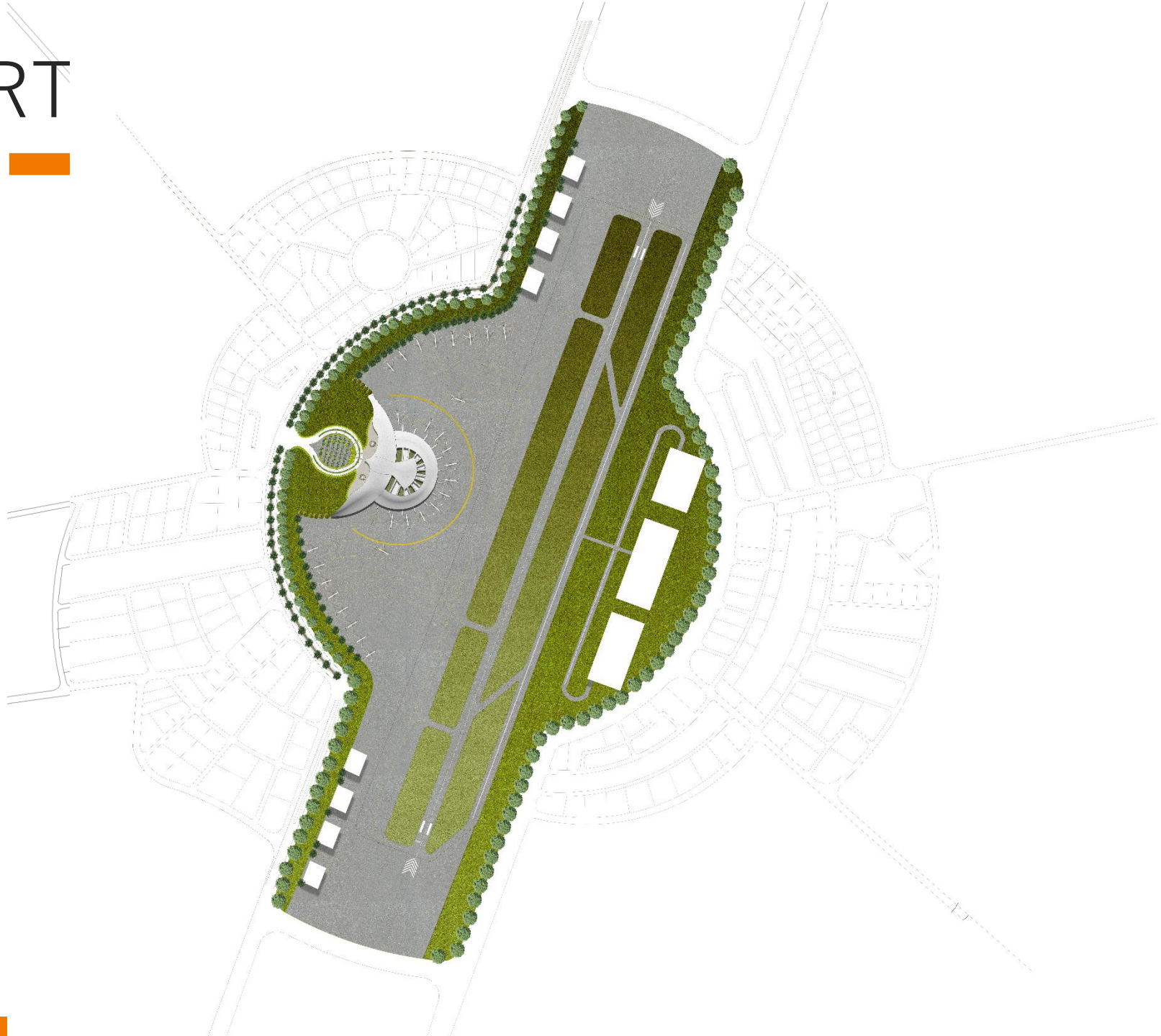


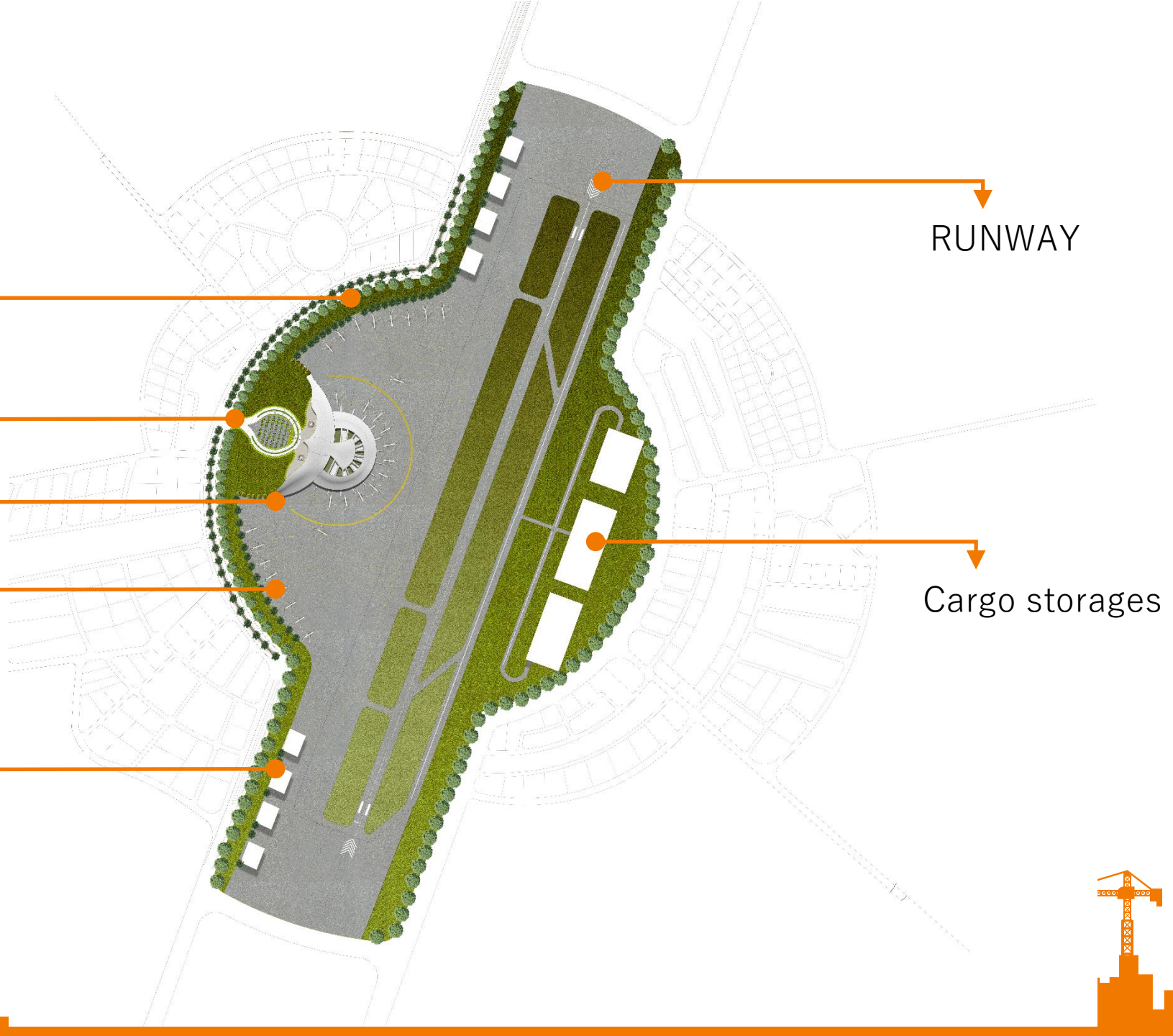
This symbol represents balance because Native Americans believed in striking balance, peace, and harmony among all humans, animals, and plant life.



This symbol represents strength and freedom they believed that the beating of the firebird's wings stirred the wind

1.AIRPORT




Green line
RUNWAY
Car parking
Terminal building
Plane park
Cargo storages
Hanger

2.Urban center

Name :urban center

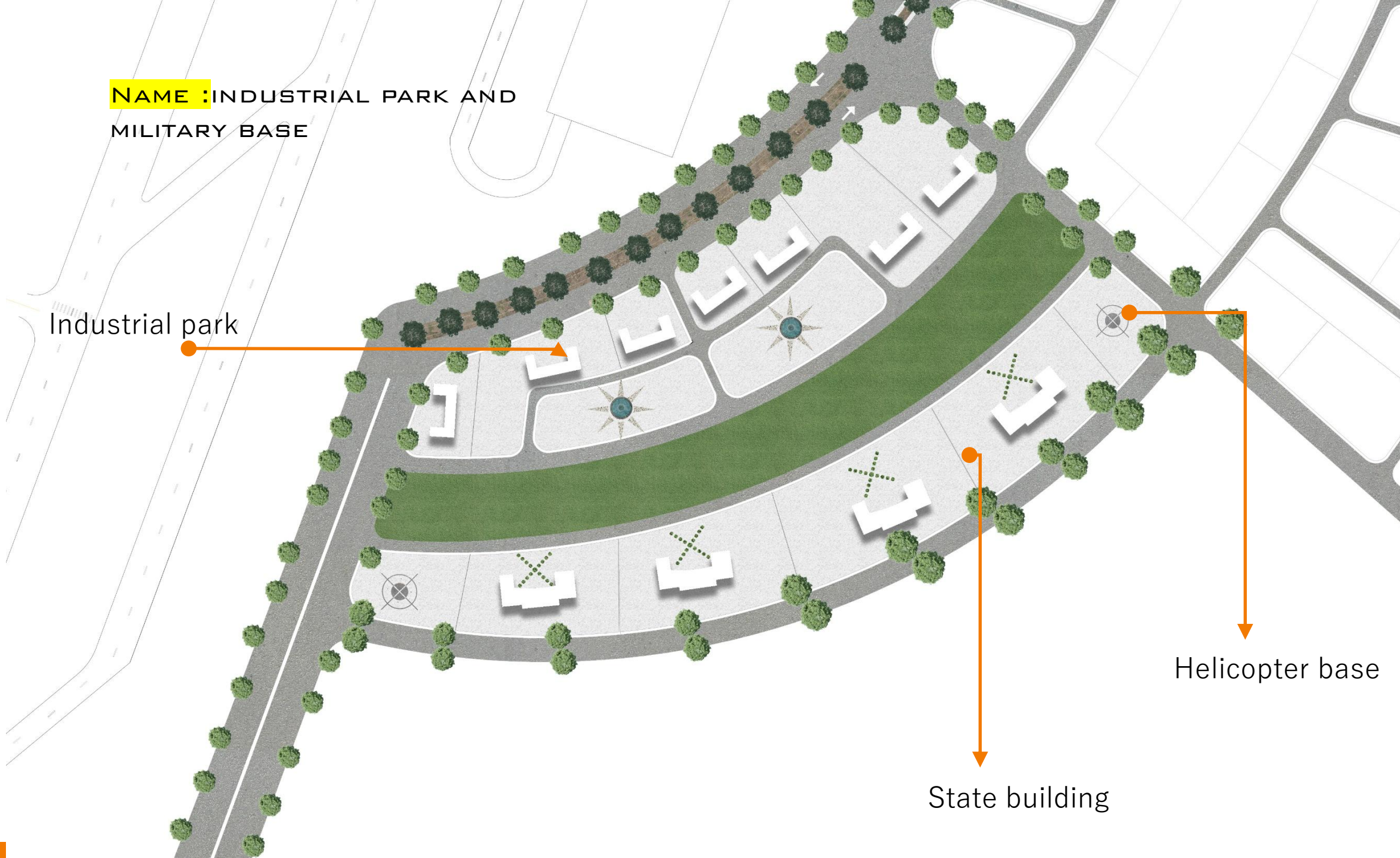
Uses: residentials and hotels

2.Technology park and educational institute

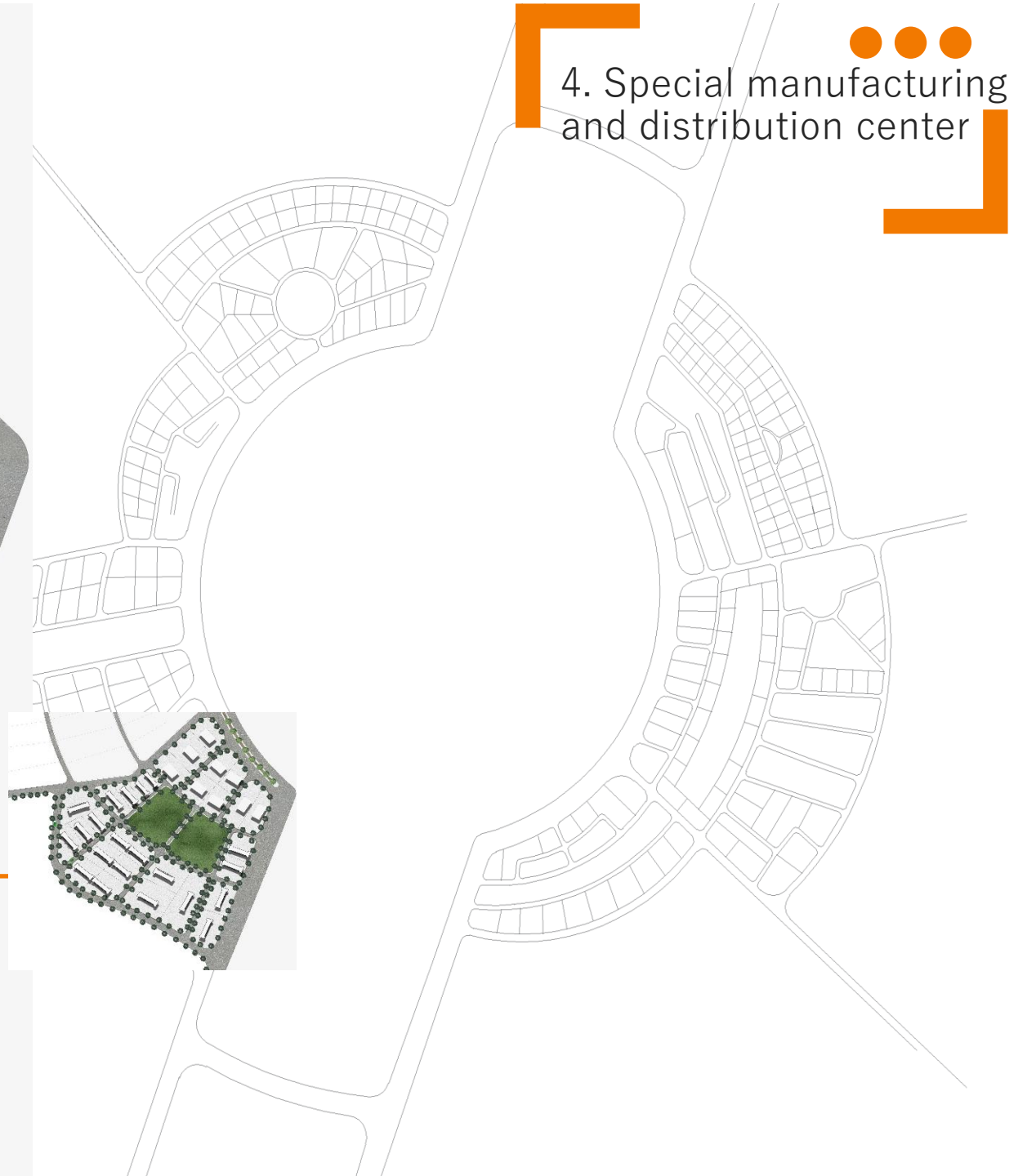
Name :Technology park and educational institute

3. INDUSTRIAL PARK AND MILITARY BASE

Name :industrial park and military base

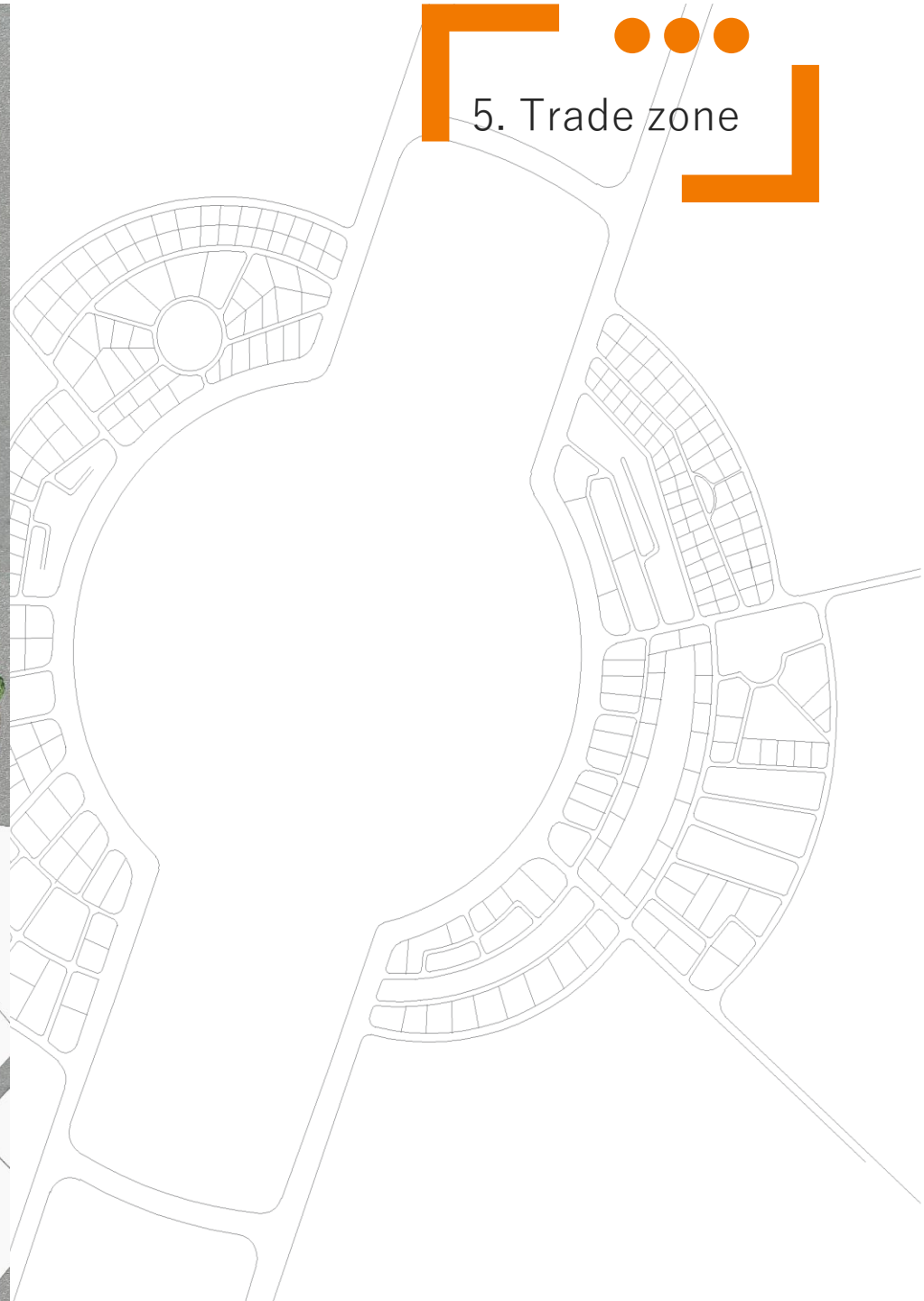


4. Special manufacturing and distribution center



Name : Special manufacturing and distribution center

5. Trade zone



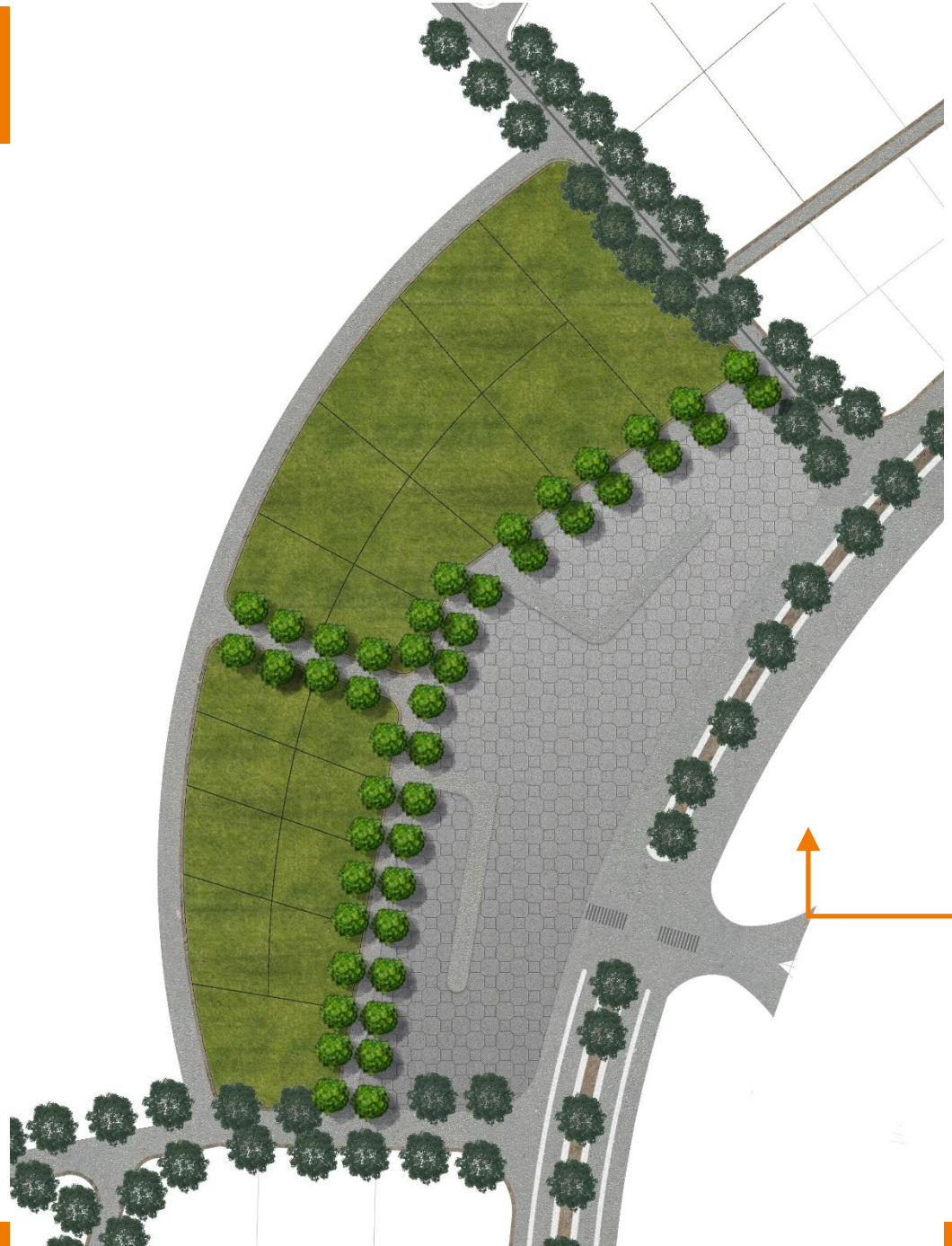
NAME : FREE TRADE ZONE

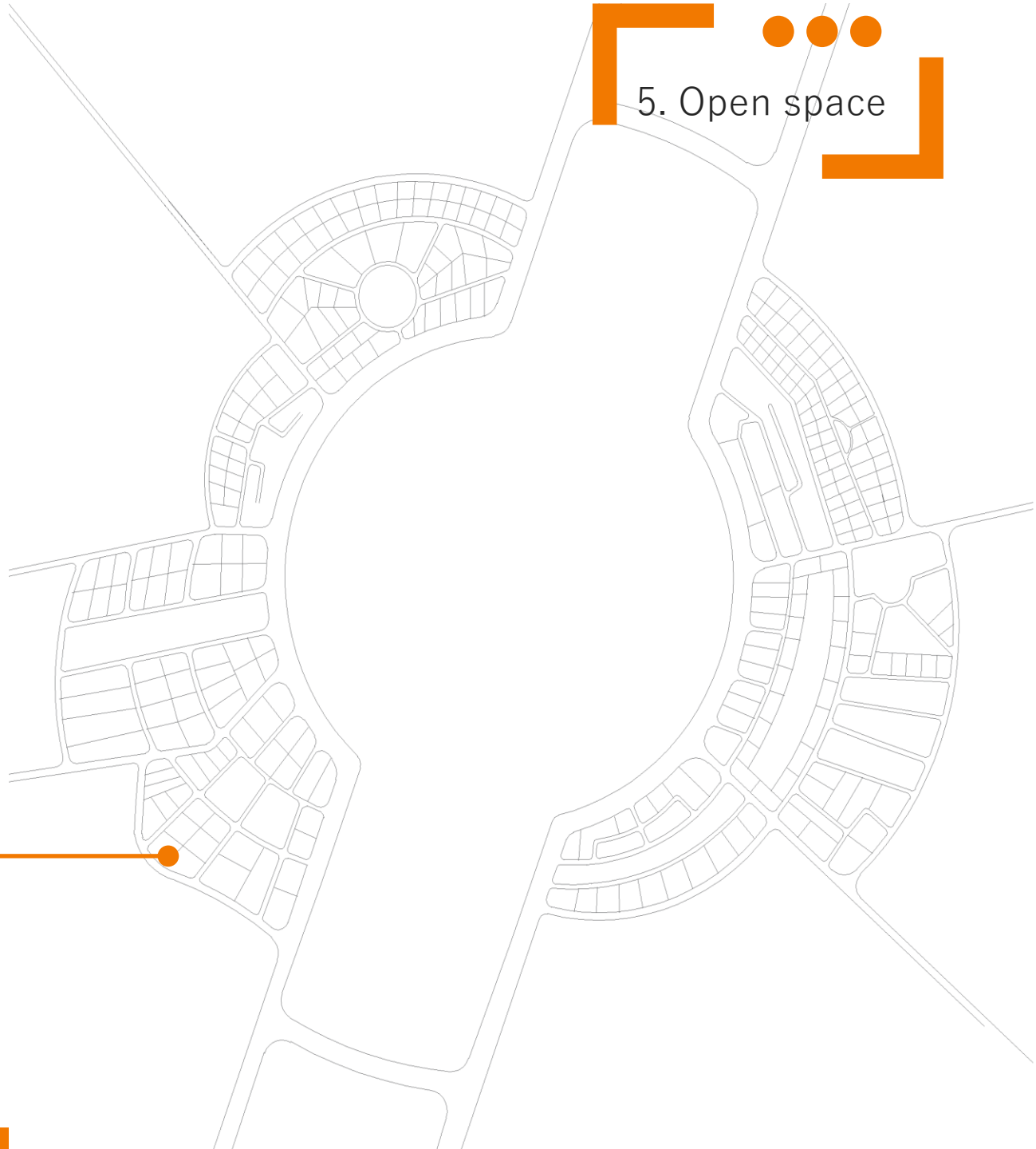
Stores

Open space

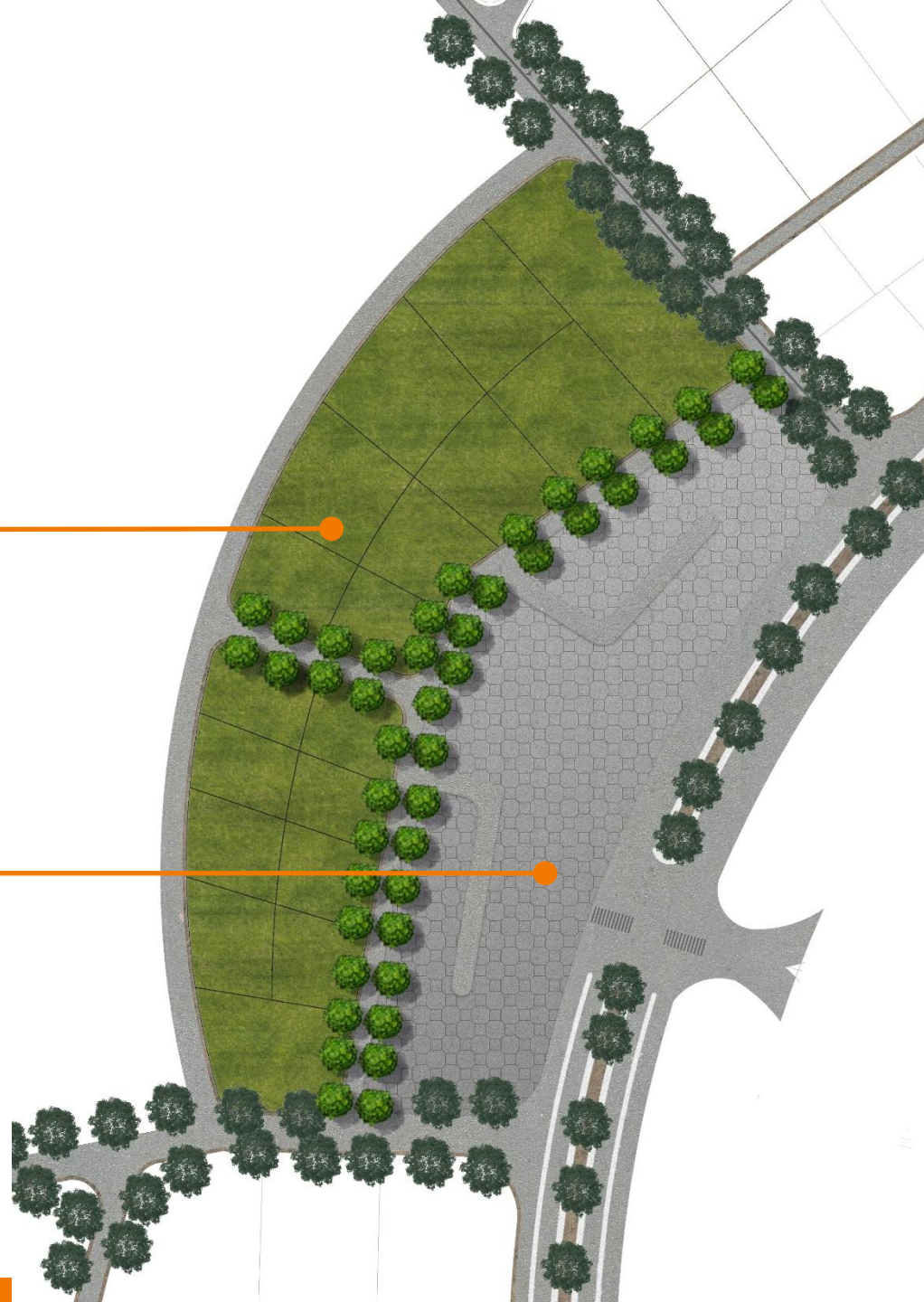
Trade center

5. Open space

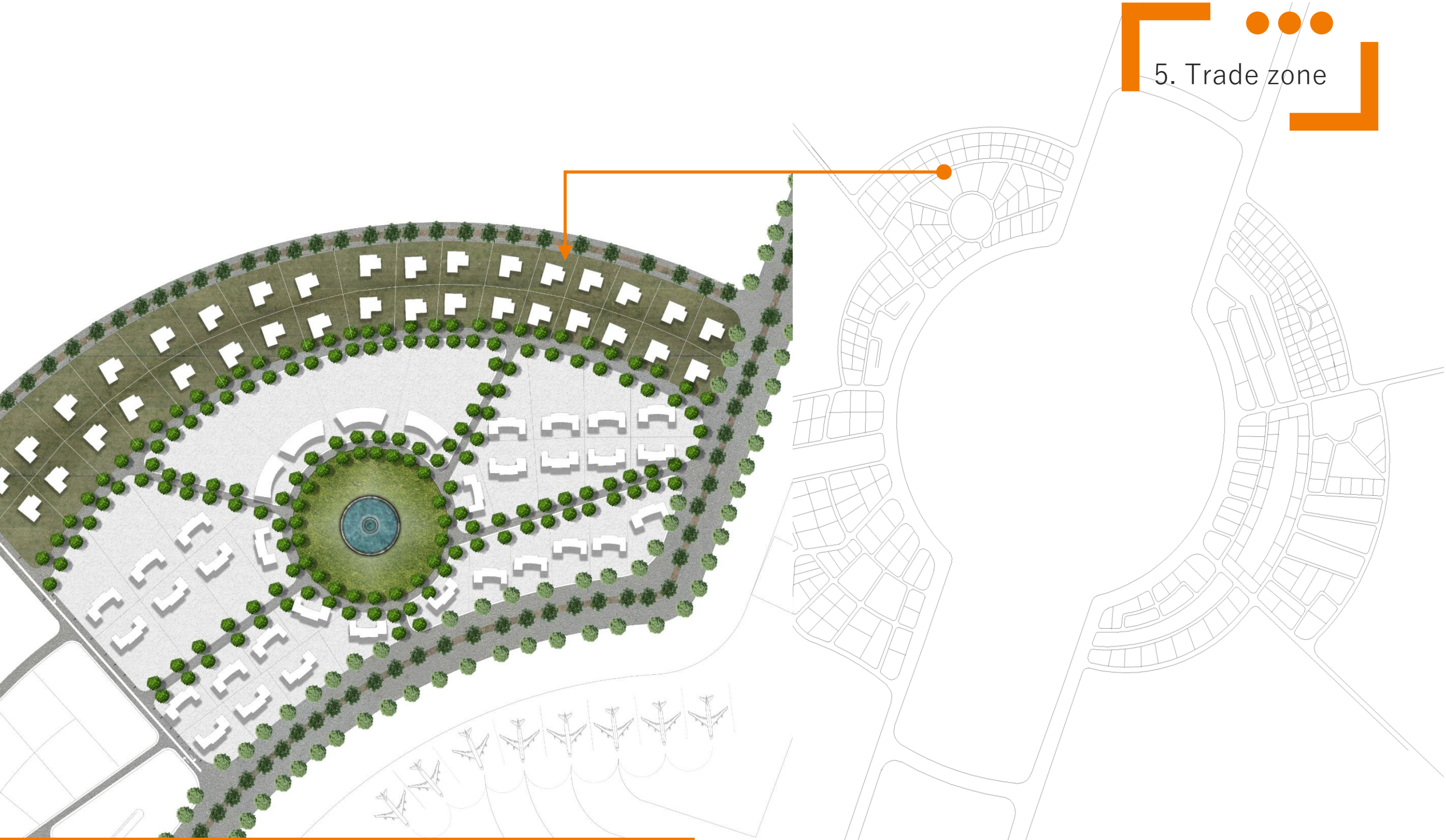




NAME : OPEN SPACE



5. Trade zone



Name : exhibtation center and business park