FIG 2018 ISTANBUL

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XXVI FIG CONGRESS

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EMBRACING OUR SMART WORLD WHERE THE CONTINENTS CONNECT:
ENHANCING THE GEOSPATIAL MATURITY OF SOCIETIES

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Spatial Strategic Plan Experience as Data Production and Management Process

Example of Kadikoy

The Main Target of Study:

Creating a scientific basis for guiding decision-making processes via understanding the present situation, changes and trends of the rapidly changing city and identifying it's problems and potentials.

Stages of Study:

1./ Defining of Study Process
2./ Creating Data Infrastructure
3./ Determining the Current State and Trends of the District | Preparing of Analysis and Syntesis Maps
4./ Creating of Decision-Making Process | Production of Strategic Decisions

1./ Defining the Scope of the Study

Which Topics?

Which Main Titles?

Which Subtitles?

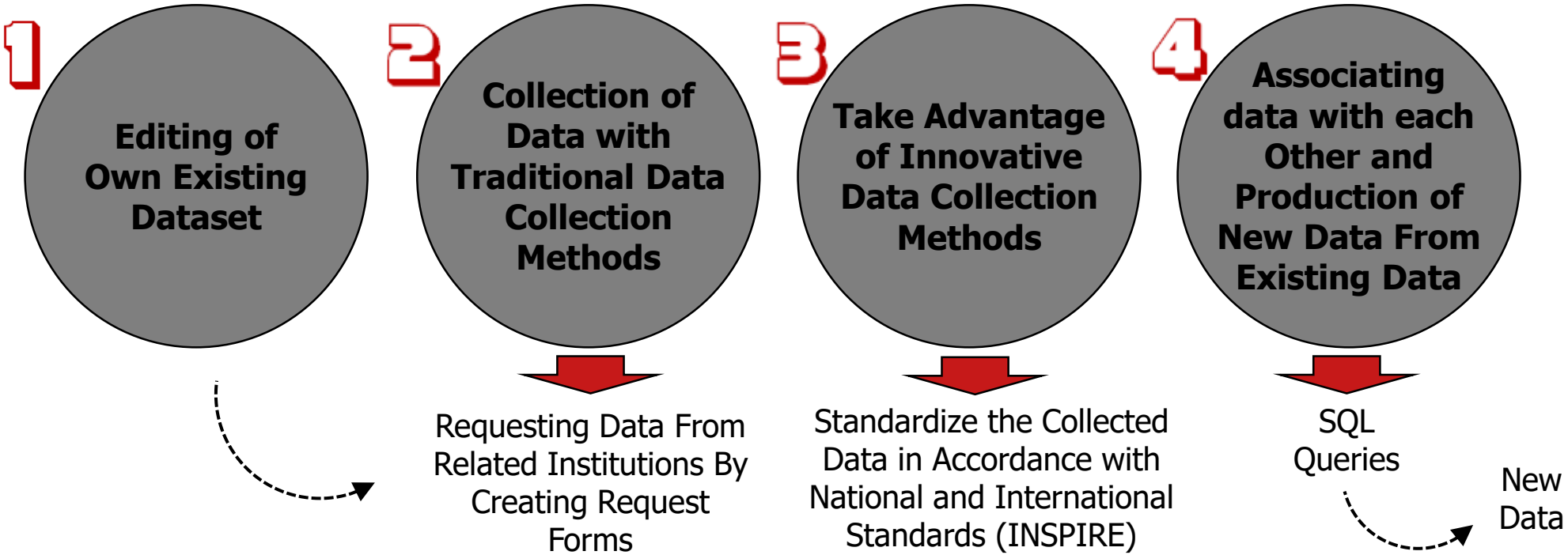
1. Location and Surroundings Relations
2. Historical Process
3. Natural System And Environmental
4. Demographical Structure
5. Socio - Economical Structure
6. Housing
7. Urban Services
8. Technical Infrastructure
9. Transportation

Which Data?

How/Where?

2./ Creating Data Infrastructure

Within the scope of the Spatial Strategic Planning process, data collection process which consist of 4 steps is planned;

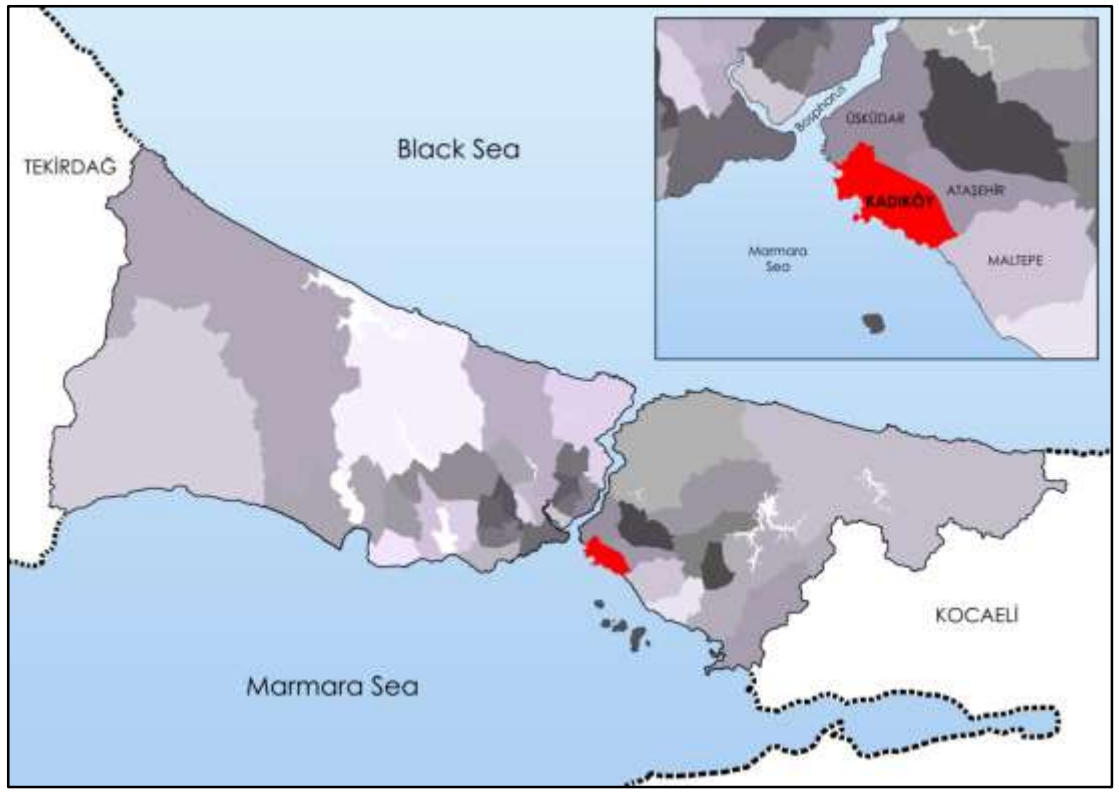


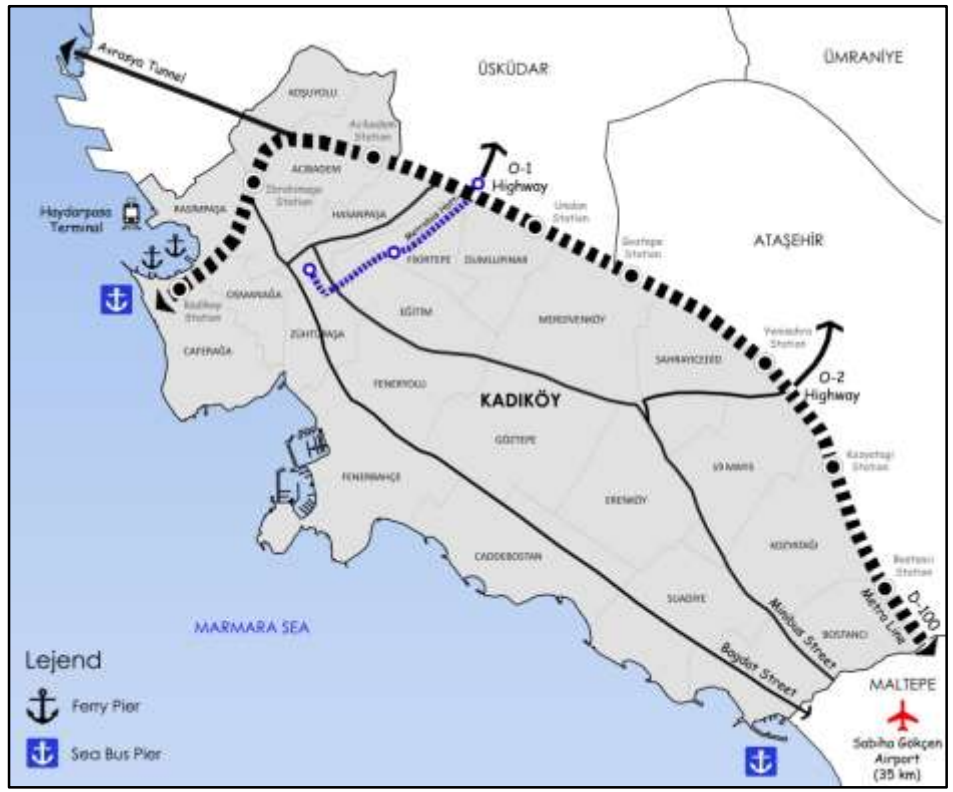
3./ Determining the Current State and Trends of the District | Preparing of Analysis and Syntesis Maps

1

Location and Surroundings Relations

- Location of the District within Istanbul
- Relations with Neighboring Districts
- Neighborhood Boundaries





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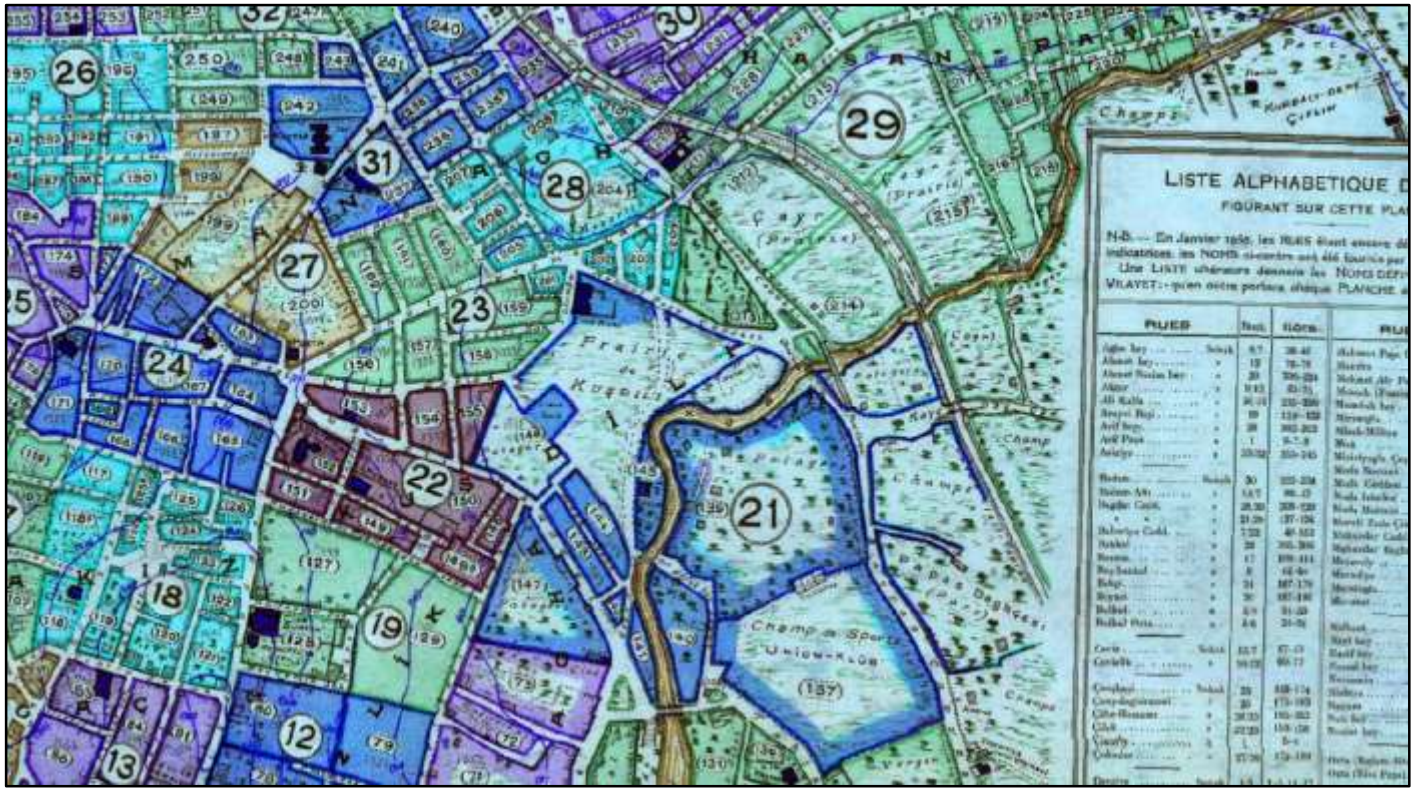
2

Historical Process

- Spatial Development
- Historical Transformation
- Planning Chronology
- Protected Areas



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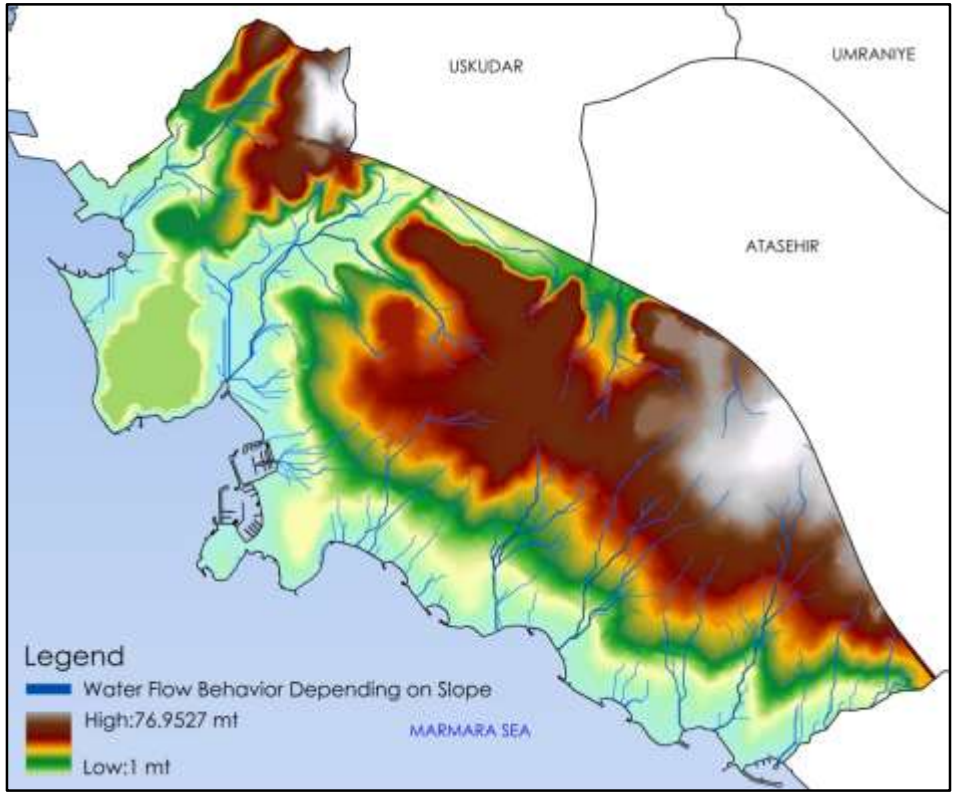
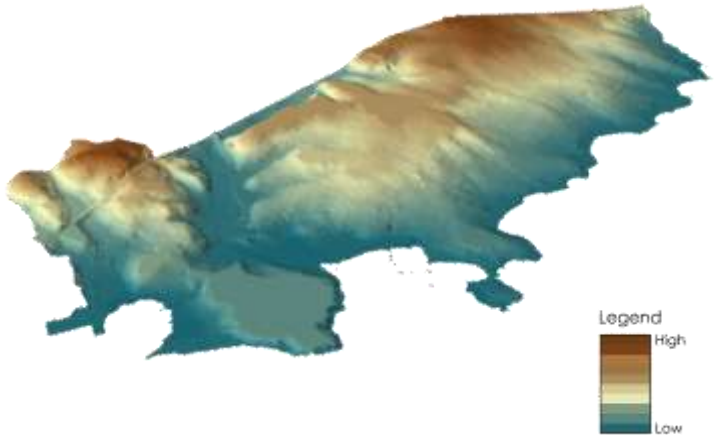
3

Natural System And Environmental

- Land Use
- Topography
- Hydrology
- Jeology
- Slope-Elevation-View
- Climate *(Rains, Wind, Temperature, Moisture)*
- Environmental Problems *(Polution of Air, Water, Soil, Noise)*
- Disaster *(Erosion, Flood , Landslide and Earthquake)*
- Coast





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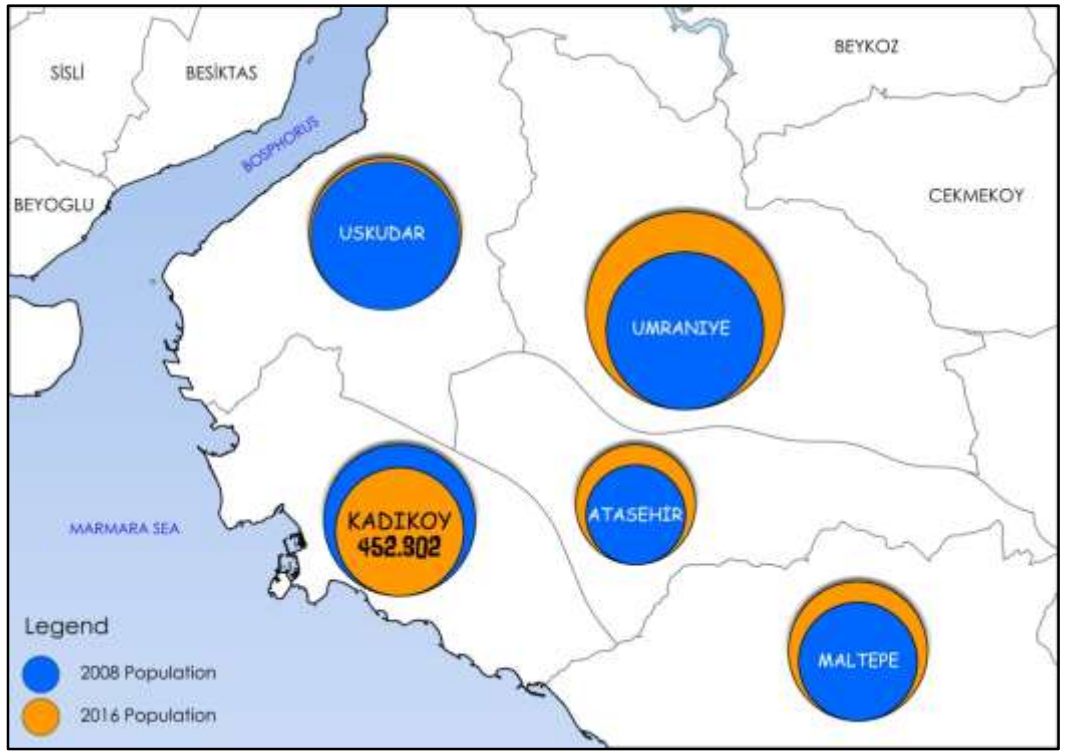
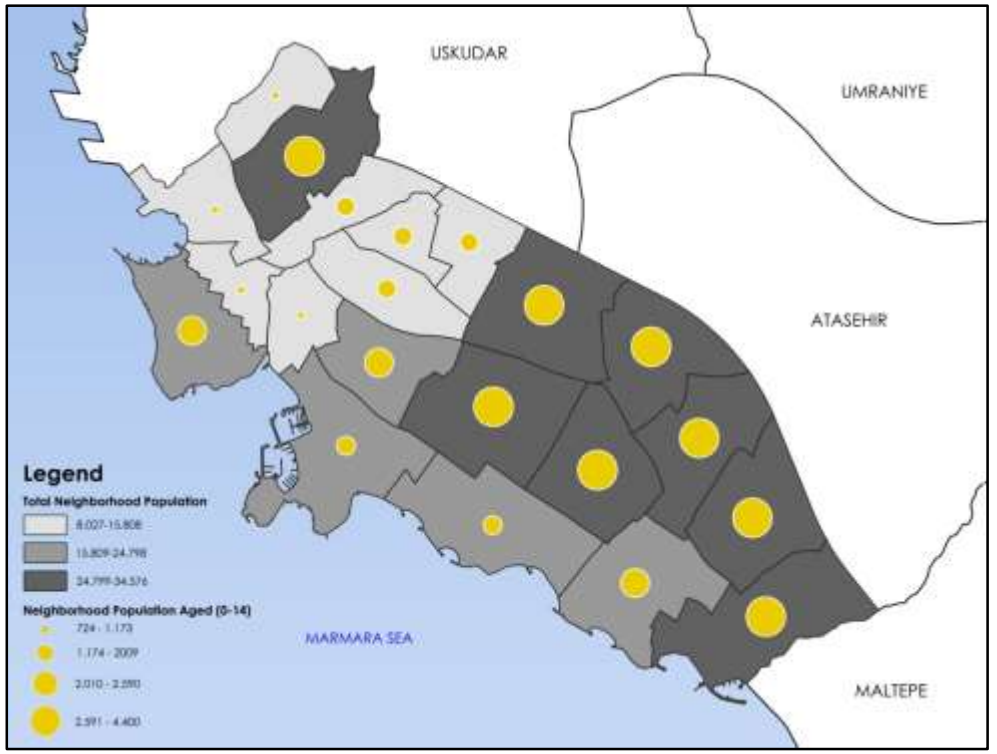
4

Demographical Structure

- Population of Kadikoy
- Population of Neighborhoods





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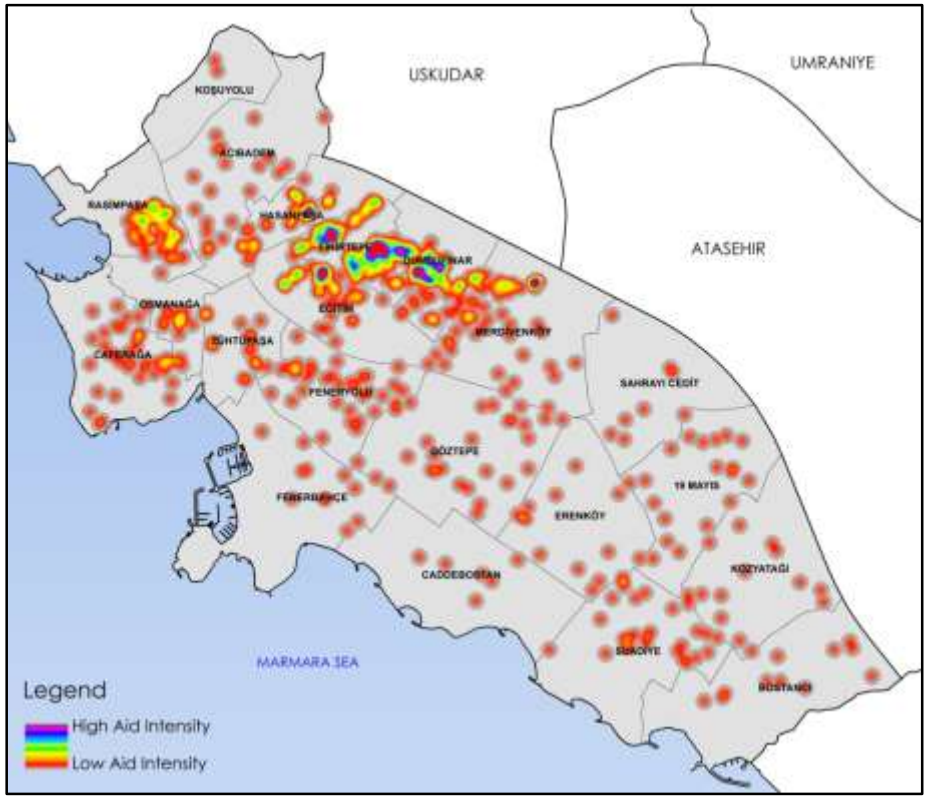
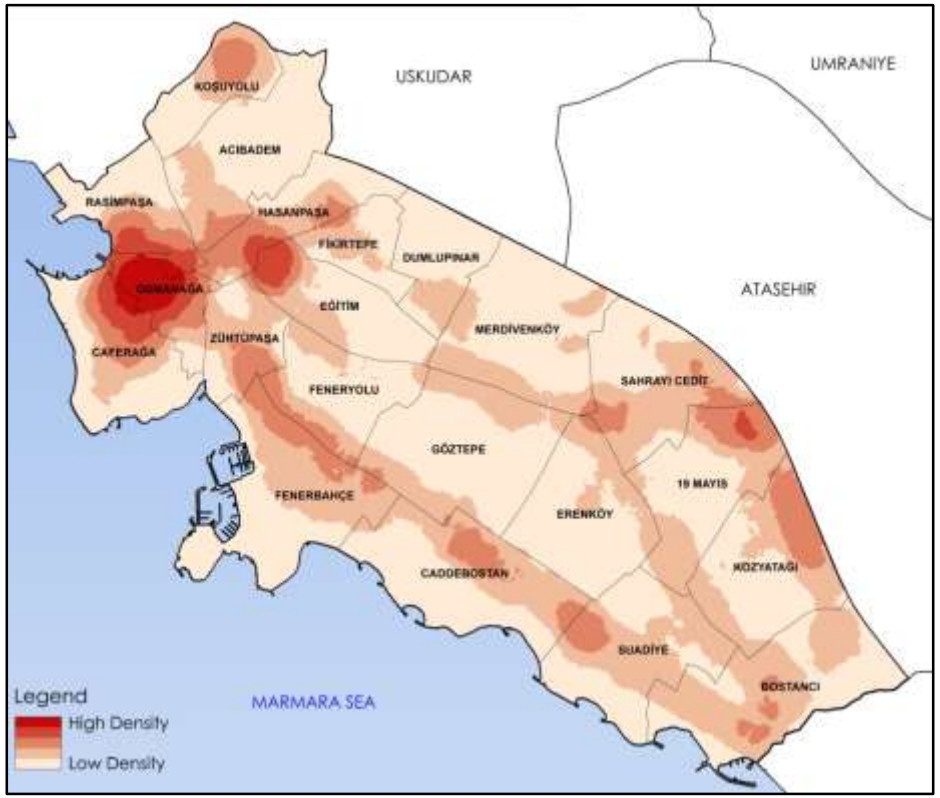
5

Socio-Economical Structure

- Social Structure
- Economical Structure



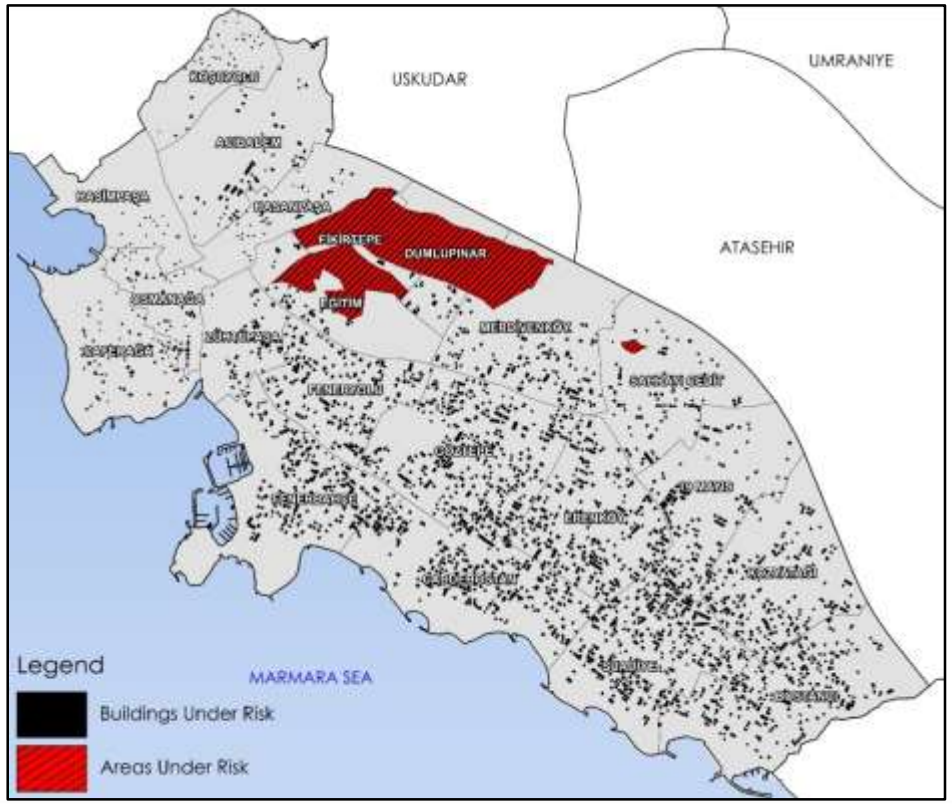


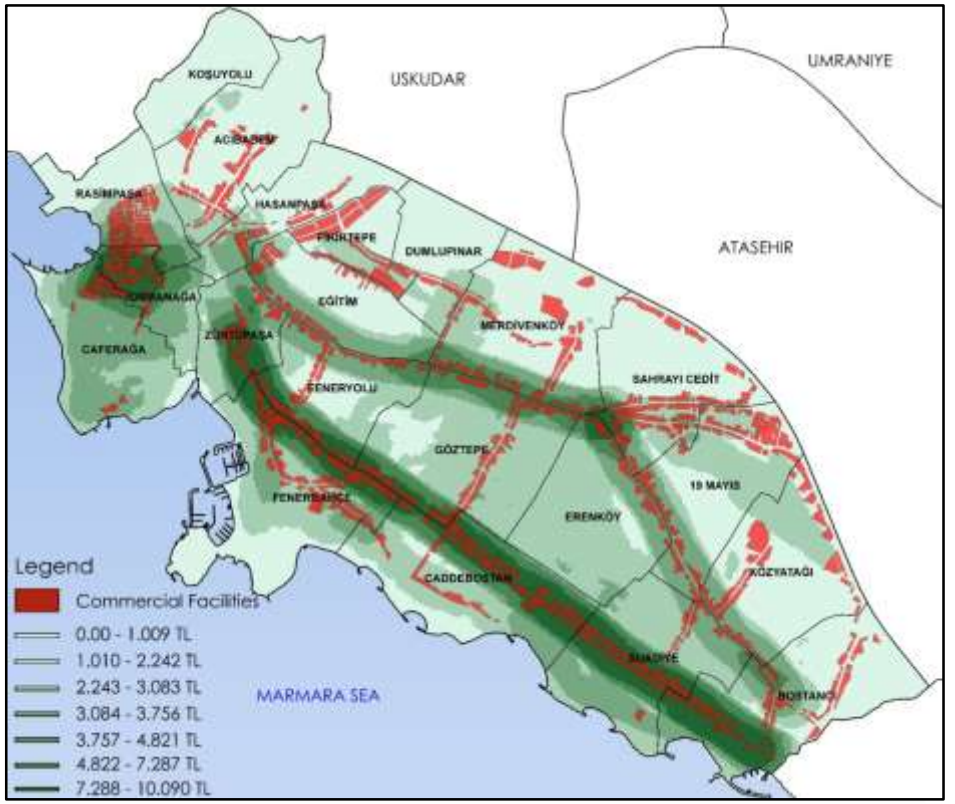
3./ Determining the Current State and Trends of the District | Preparing of Analysis and Syntesis Maps

6

Housing

- Settlement Suitability
- Buildings, Buildings Under Risk and Areas Under Risk
- License Informations
- The Average Sales/Rent Values
- Payback Period of the Investment



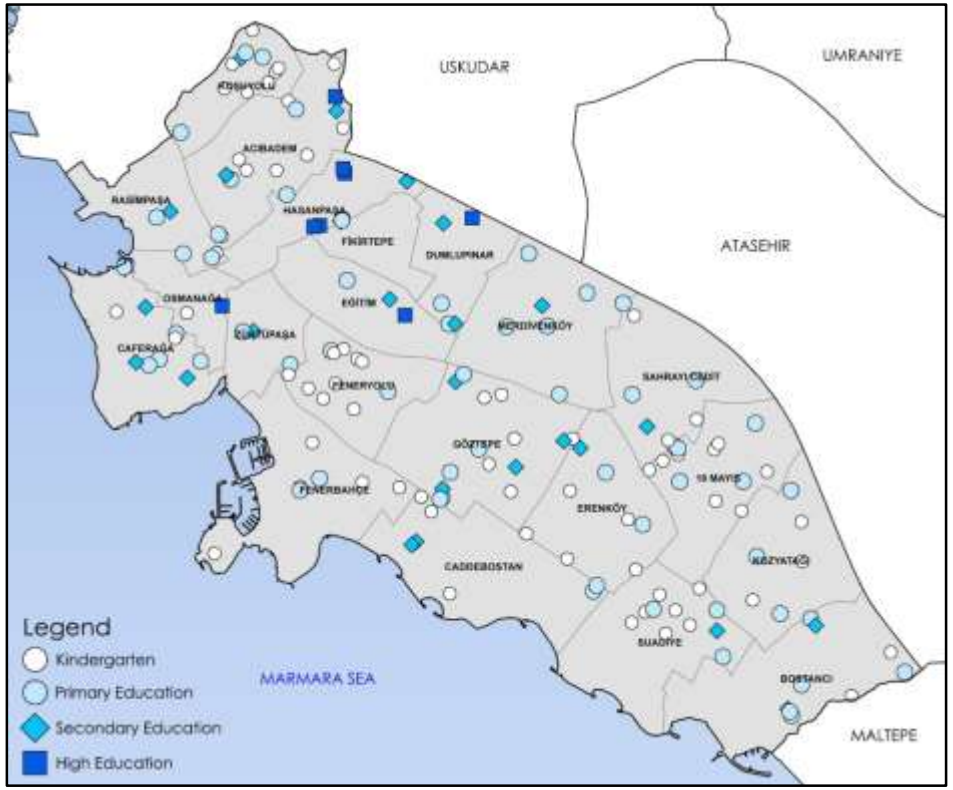


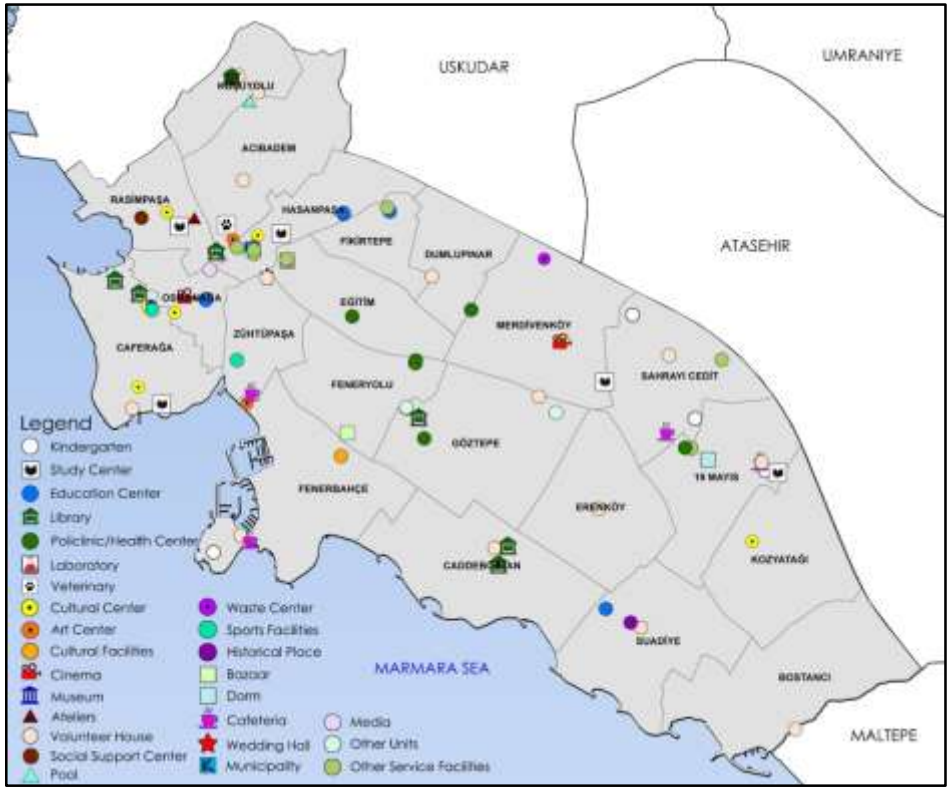
3./ Determining the Current State and Trends of the District | Preparing of Analysis and Syntesis Maps

7

Urban Services

- Ownership Status
- Health Facilities
- Education Facilities
- Cultural Facilities
- Park and Recreation and Sport Areas
- Religious Facilities





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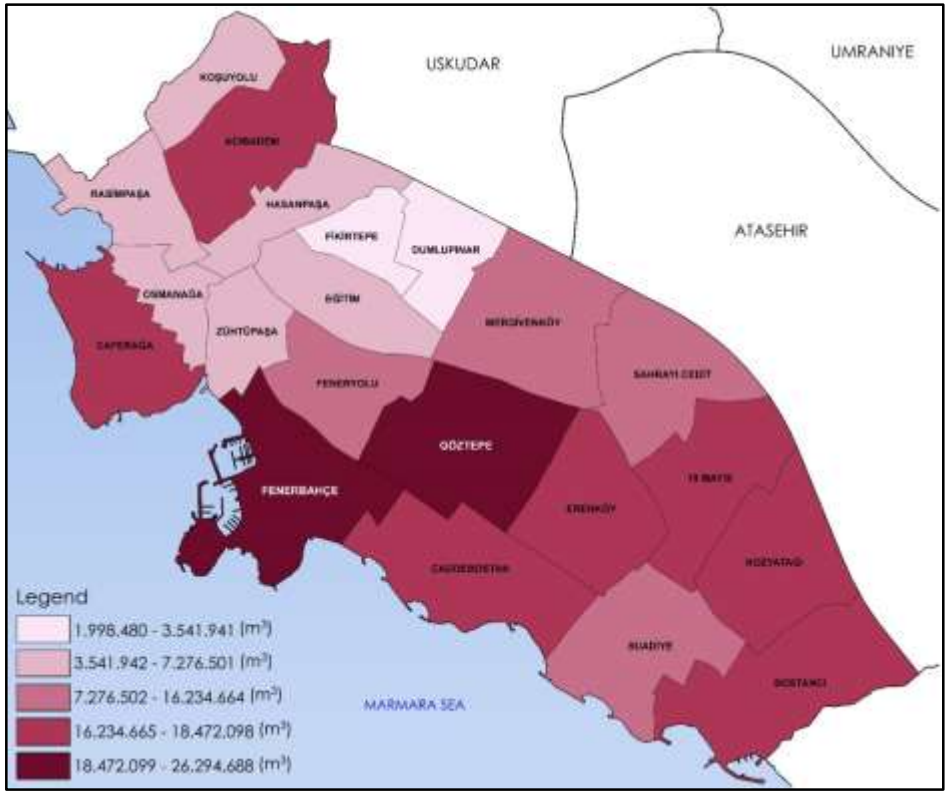
3./ Determining the Current State and Trends of the District | Preparing of Analysis and Syntesis Maps

8

Technical Infrastructure

- IT Infrastructure *(Fiber Optic Cable Networks, Power Plant Centers)*
- Energy Infrastructure *(Electricity, Natural Gas, Renewable Energy)*
- Infrastructure of Solid Waste, Drinking Water, Rain Water

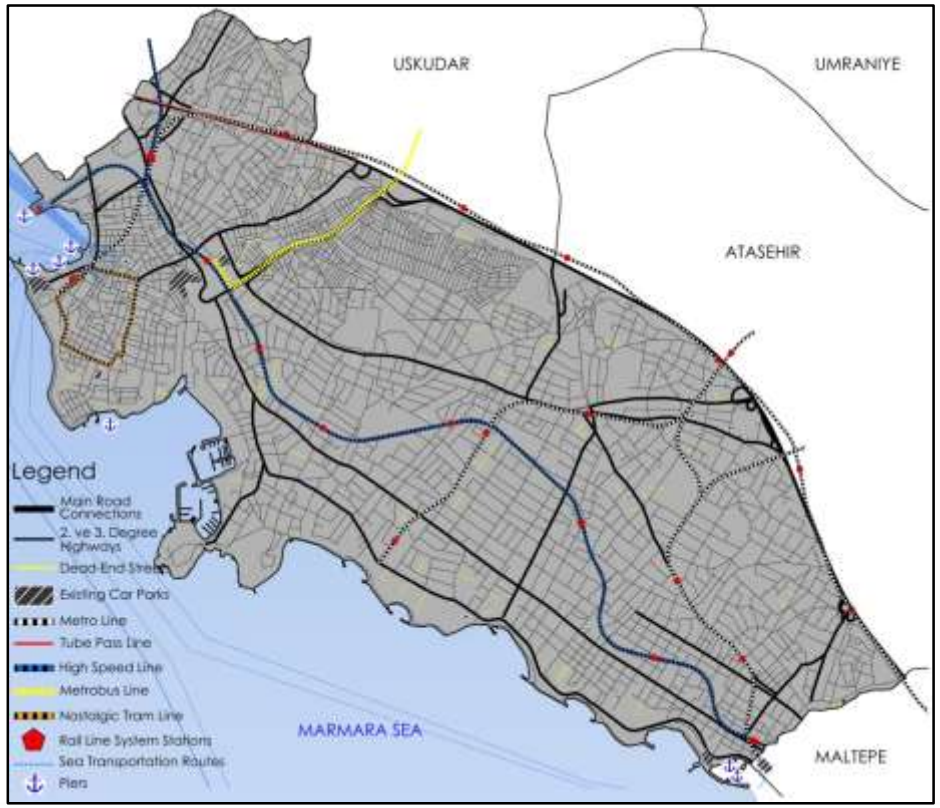


3./ Determining the Current State and Trends of the District | Preparing of Analysis and Syntesis Maps

9

Transportation

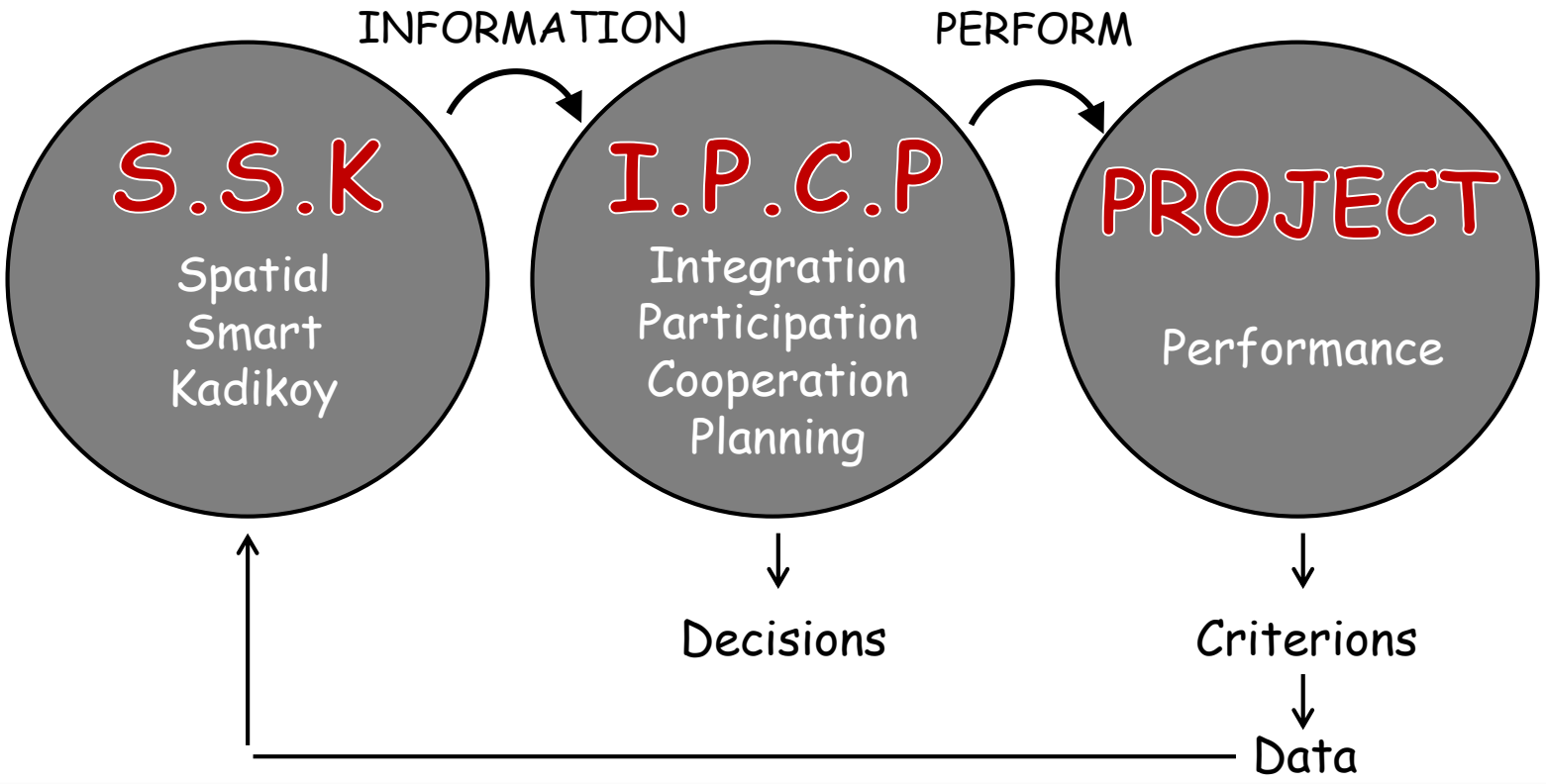
- Highway Connections
- Railway Connections
- Seaway Connections
- Airway Connections
- Bicycle Paths
- Pedestrian Access
- Public Transportation
- Traffic Density
- Car Parks



4./ Creating of Decision-Making Process | Production of Strategic Decisions

Our Workshop…

4./ Creating of Decision-Making Process | Production of Strategic Decisions



Thank you for your patience and listening…