ODAKGIS | Mapping and GIS Solutions

Inspiring The Community

OdakMap WebGIS



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What Is OdakMap?

OdakMap WebGIS is a web-based Geographic Information System (GIS) providing map-based data management, analysis and visualization. Users manage geographic data with layer management, queries, measurement, drawing and cadastral integration; such advanced tools enable efficient geographic data management. It provides robust infrastructure for e-government projects, city guides and urban information systems in Turkey. Integrated web services and a user-friendly interface enable large-scale map analysis. Its customizable, scalable architecture provides both public and the private sector with flexible GIS solutions.

Explore your data and plan the future with Geographic Information Systems



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References

- Many GIS applications used by public institutions and private companies

  Built on OdakMap's GIS-based automation infrastructure.

- The OdakMap framework underpins many nationwide

  projects.

- Ministry of Agriculture
- TadPortal, TayPortal, Nibis, CKS, Tadlab
- EPDK GIS
- Ministry of Transport - Land Management
- Iller Bankasi - Ilcas
- Davinci Energy
- Geographic Information System
- Electricity Distribution Companies
  - ADM Electricity, GDZ Electricity, Aras Electricity,

    Kcetas Electricity, Bogazici Electricity,

    Camlibel Electricity, Akdeniz Electricity
- BTK Address GIS
- Ministry of Environment and Urbanization - Natural Assets Conservation Information System
- DSI - Land Consolidation
- TCDD
  - Geographic Information System
  - Project Management Automation
  - Expropriation Automation



Key Benefits

- Save time with instant access to geographic data.
- Visualize and analyze geographic data to support decisions.
- Provide a customizable GIS solution with high security standards for public and private organizations.

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Key Outcomes

- Centralize and organize geographic data for easy access.
- Support data-driven strategic planning with statistical and graphical presentations.
- Manage data securely through authorization and access controls.

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USERS



Public Institutions and Agencies

Municipalities Energy, Drinking Water and Wastewater

Companies

External Institutions and Organizations

Citizens

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BENEFITS

- GIS integration centralizes spatial data and simplifies access.
- Address data and services support address management.
- Create, edit, delete, split, merge and assign attributes to geographic features through a web browser.
- Manage spatial data for asset analysis, reporting and queries.
- Spatial analysis and layer-based review accelerate data-driven decisions and strategic planning.
- Speeds up urban planning, infrastructure management and spatial analysis.
- An intuitive interface serves users without specialist technical knowledge.
- Show, hide, manage and analyze different institutional map layers.
- Detailed attribute filters provide quick, accurate access to required data.
- Graphical and statistical analysis strengthen data management and strategic decisions.



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SYSTEM FEATURES

Flexible architecture supporting new technologies

Integrates with e-government systems (TAKBIS, MERNIS, VEDOP)



Open-source architecture

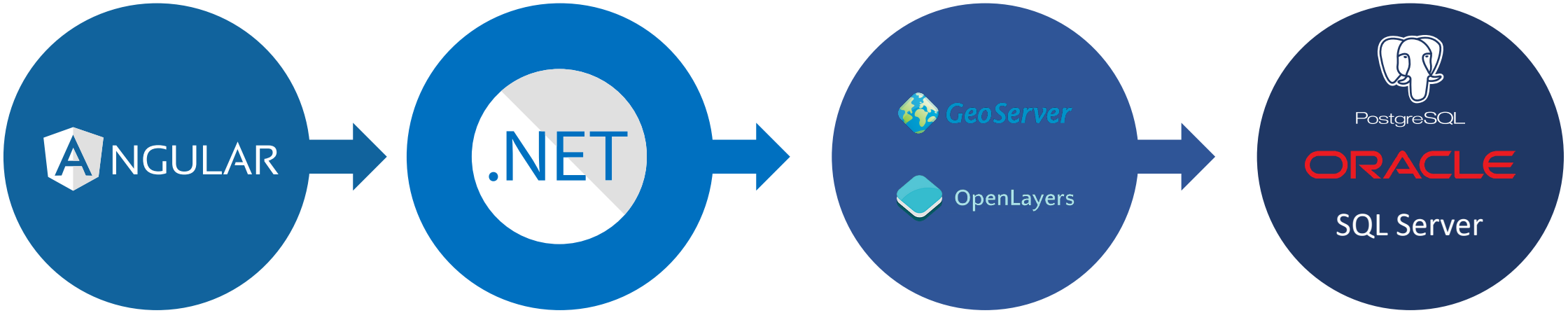
Fast data queries, map rendering and efficient resource use

Web-based and compliant with relevant international standards

Mobile capabilities

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TECHNOLOGIES



FRONT END

TECHNOLOGIES

BACK END

TECHNOLOGIES

MAPPING

TECHNOLOGIES

DATABASE TECHNOLOGIES

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MAPPING CAPABILITIES

Spatial Data Editing

Map-based drawing tools support the following operations on geographic features:

- Clip
- Subtract area
- Close polygon
- Merge
- Move
- Edit vertices
- Add by coordinates, drawing or file upload
- Update attributes
- Delete
- Clear screen
- Save to database

Data Conversion

Read and write vector data in DGN, DWG, DXF, GML, KML, KMZ, NCZ, TAB and SHP formats. Convert data online and zoom to the geographic location of uploaded reference data.



Layer Management

- Add layers from WMS/WMTS and TMS services
- Create layer groups
- Filter layers and apply CQL filters
- Define custom styles
- Select attributes for information pop-ups
- Search layers
- List active layers
- Show/hide layers
- Display legends
- Set display scale

Map Output

- Save output templates
- Add scale bar
- Add images
- Add legend
- Add north arrow
- Add map title
- Print
- Export screenshots (JPEG, PNG)

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SYSTEM OVERVIEW



1. Define and display layers and layer groups, and create layer lists.

2. Query by layer attributes or specified criteria

3. Draw on the map using drawing tools and save drawings for later use.

4. Measure area, length and angles on the map.

5. Download data from selected active layers. Upload sample data to display it on the map.

6. View feature details, get directions to a selected feature, and add notes and attachments.

With integration enabled, TAKBIS queries can be made directly from the map.

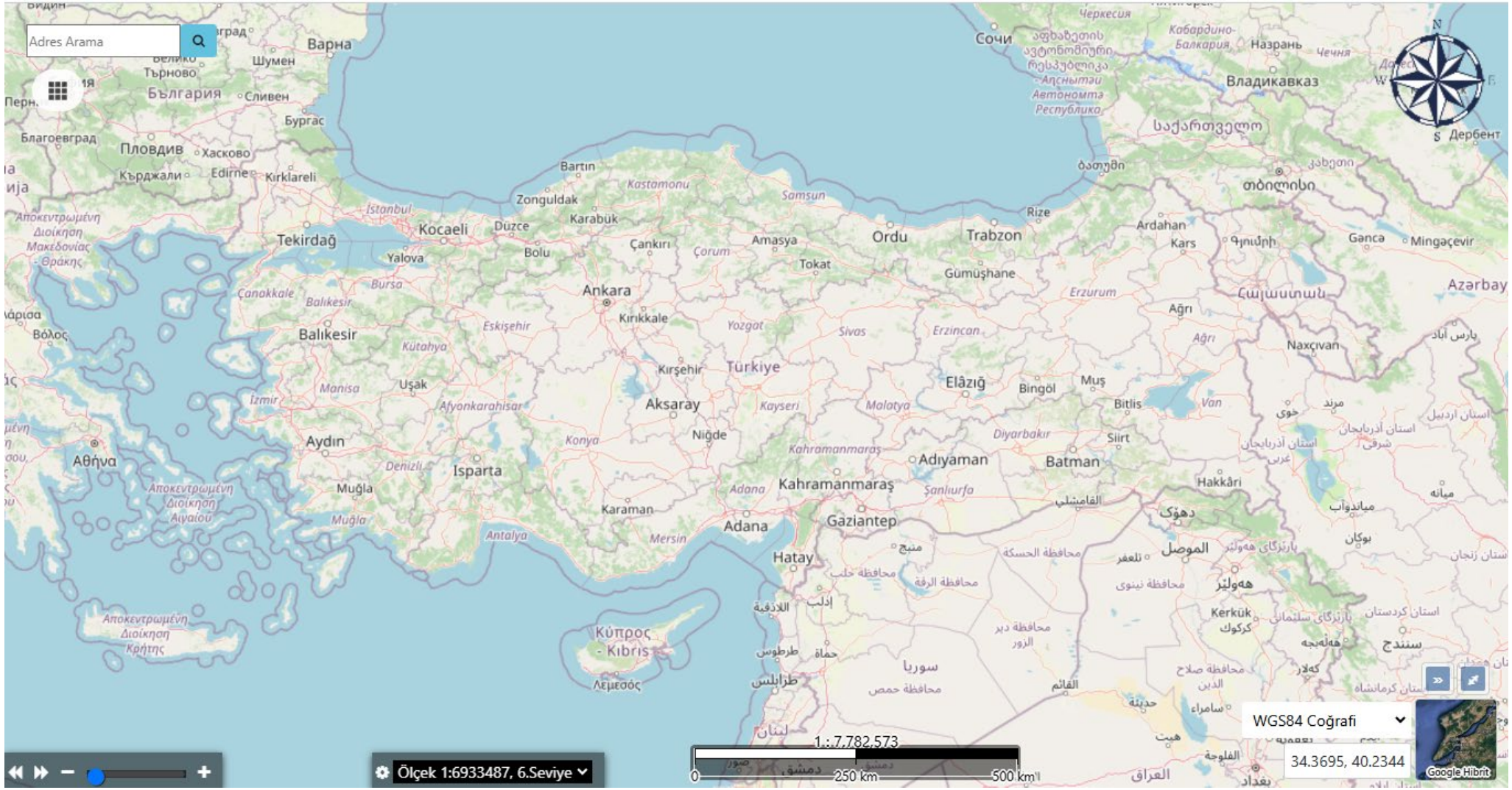
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SCREENSHOTS

EXAMPLES

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SCREENSHOT EXAMPLES



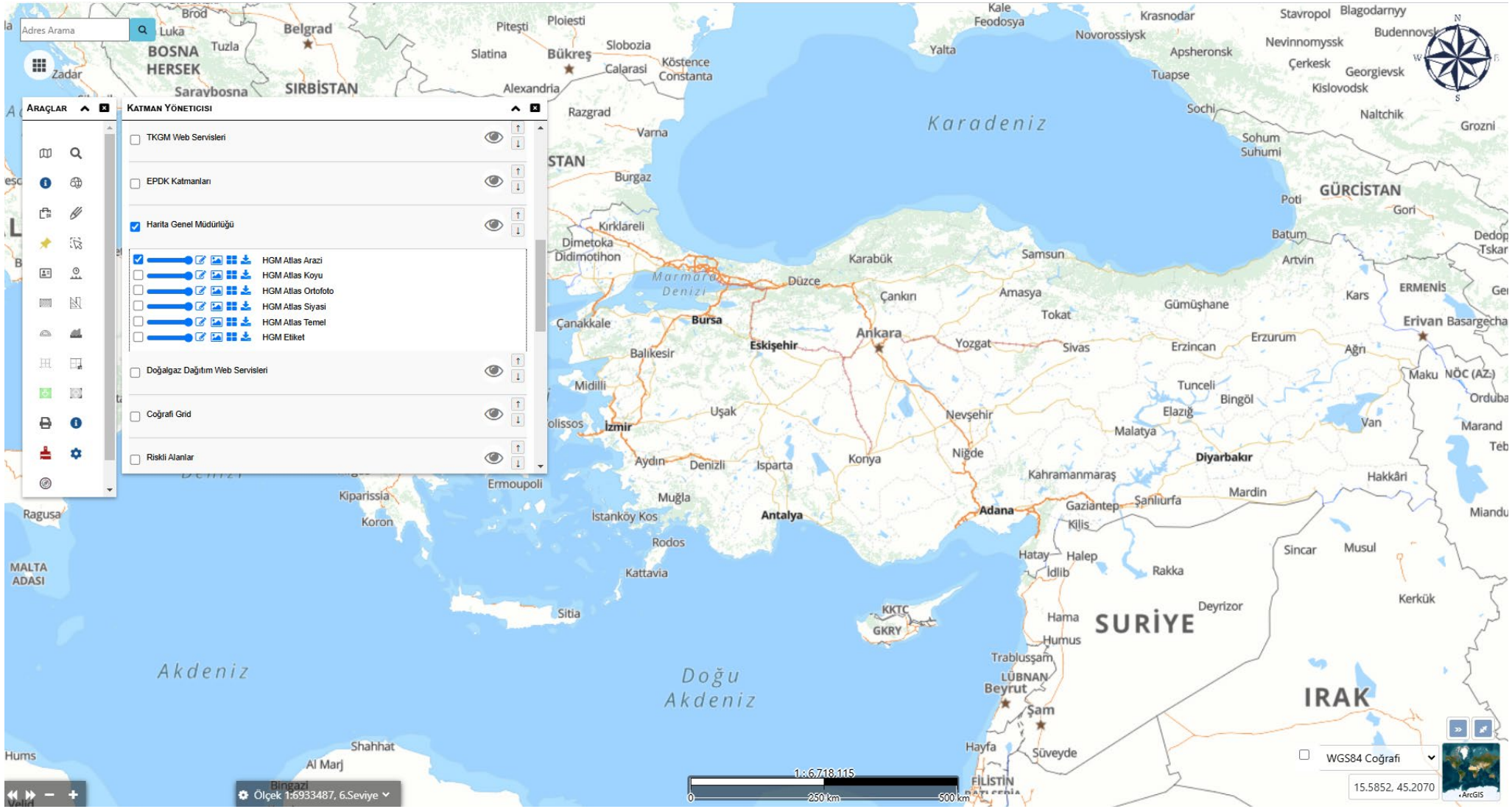
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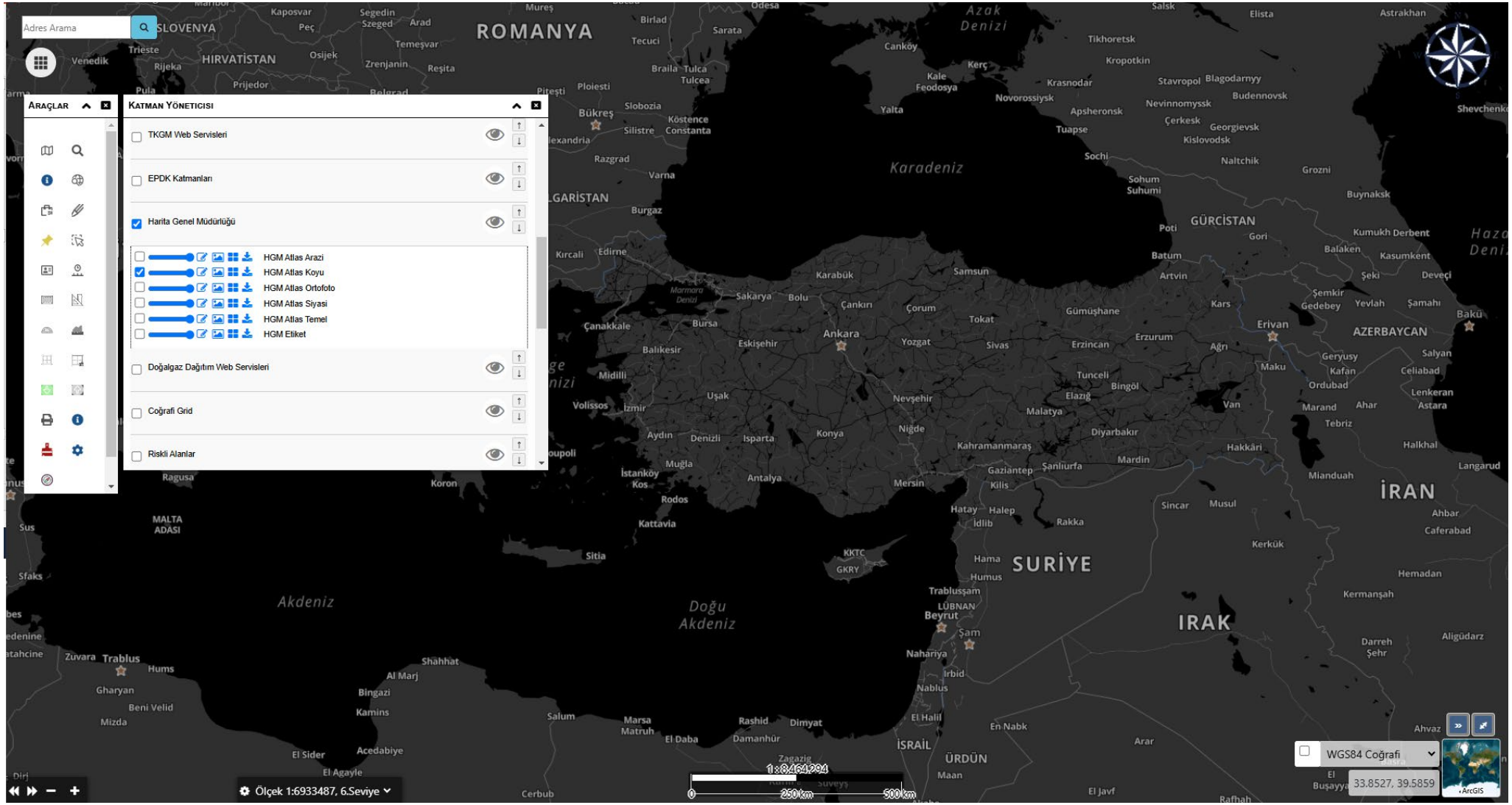
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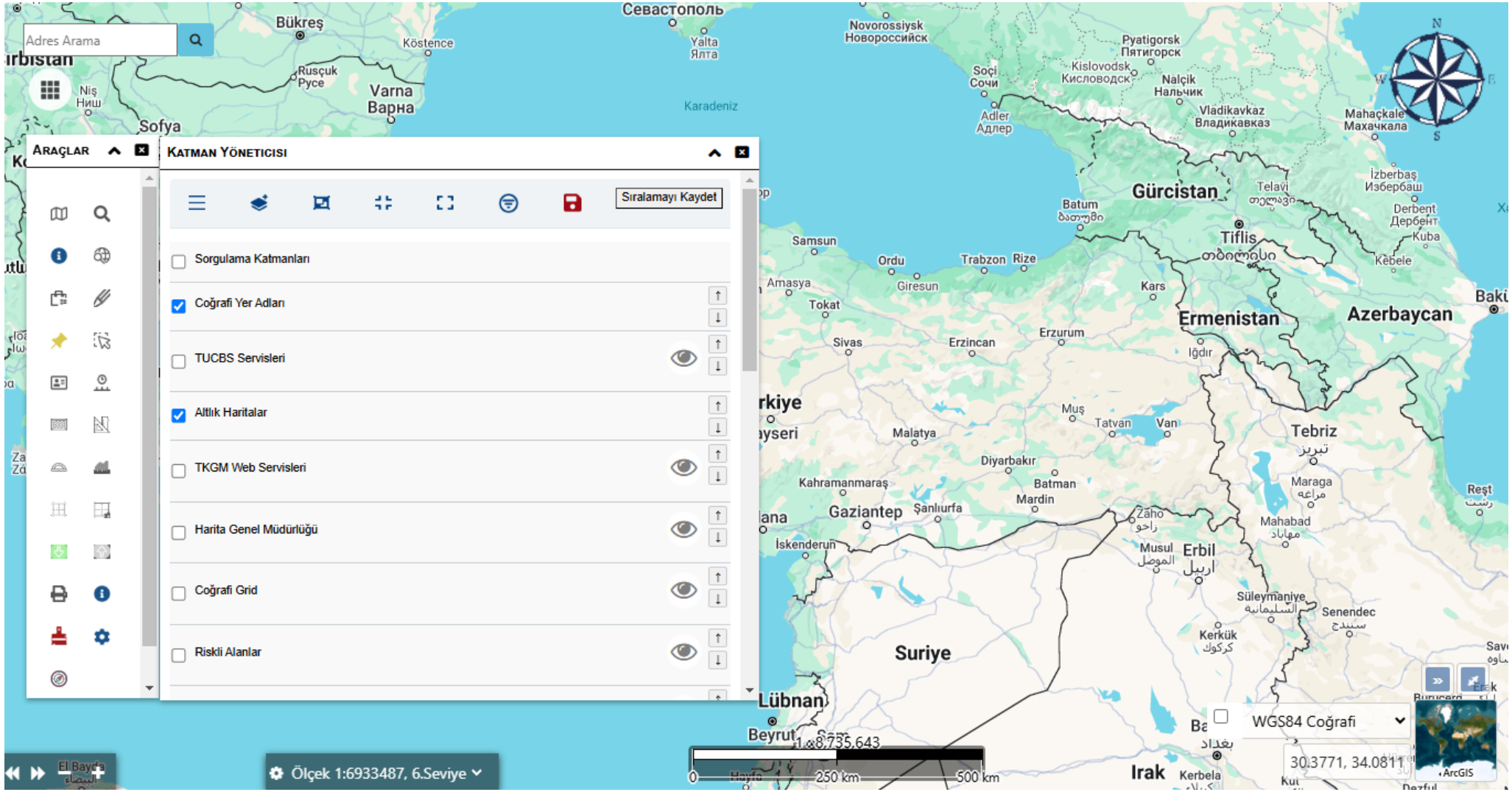
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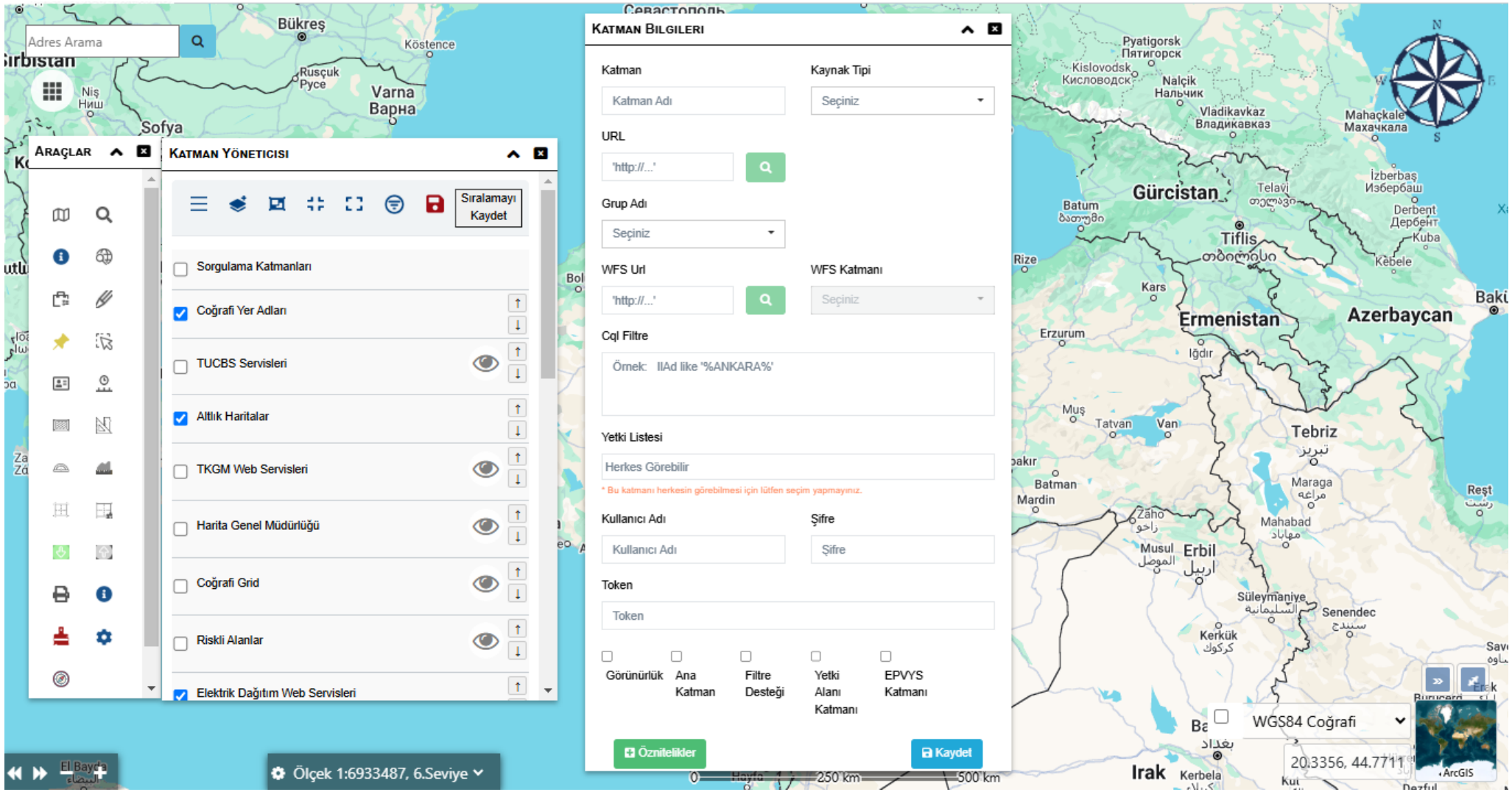
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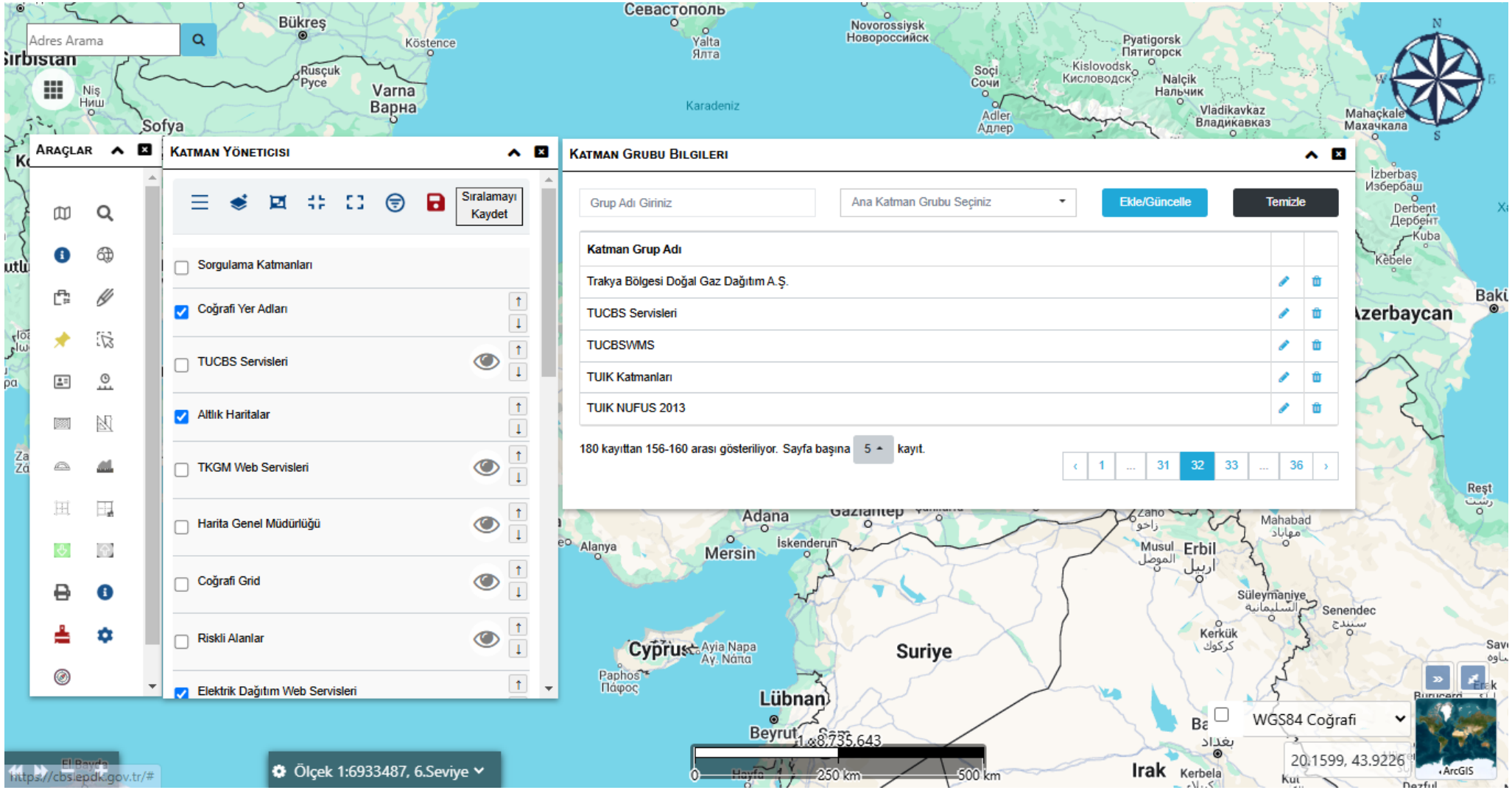
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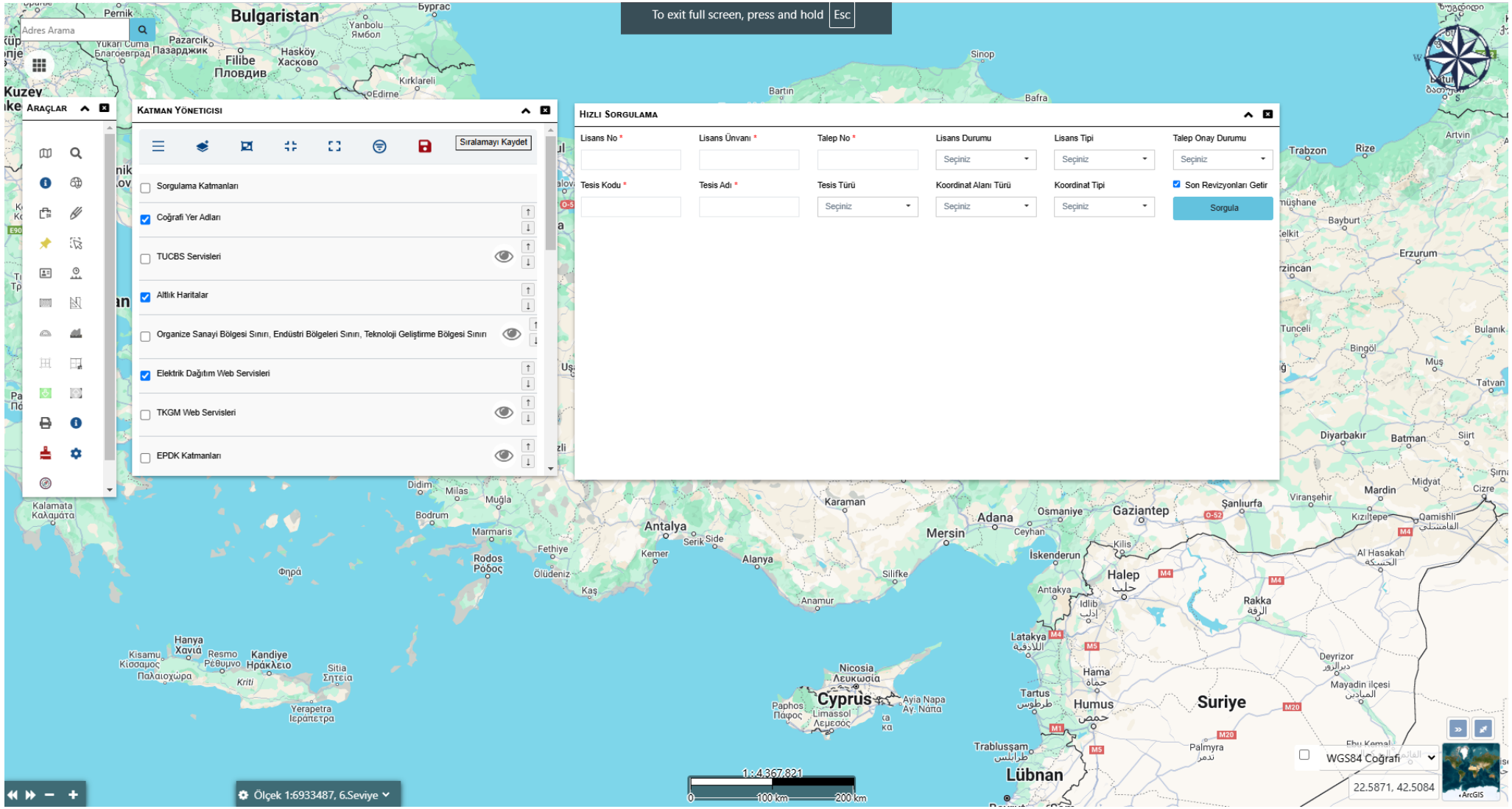
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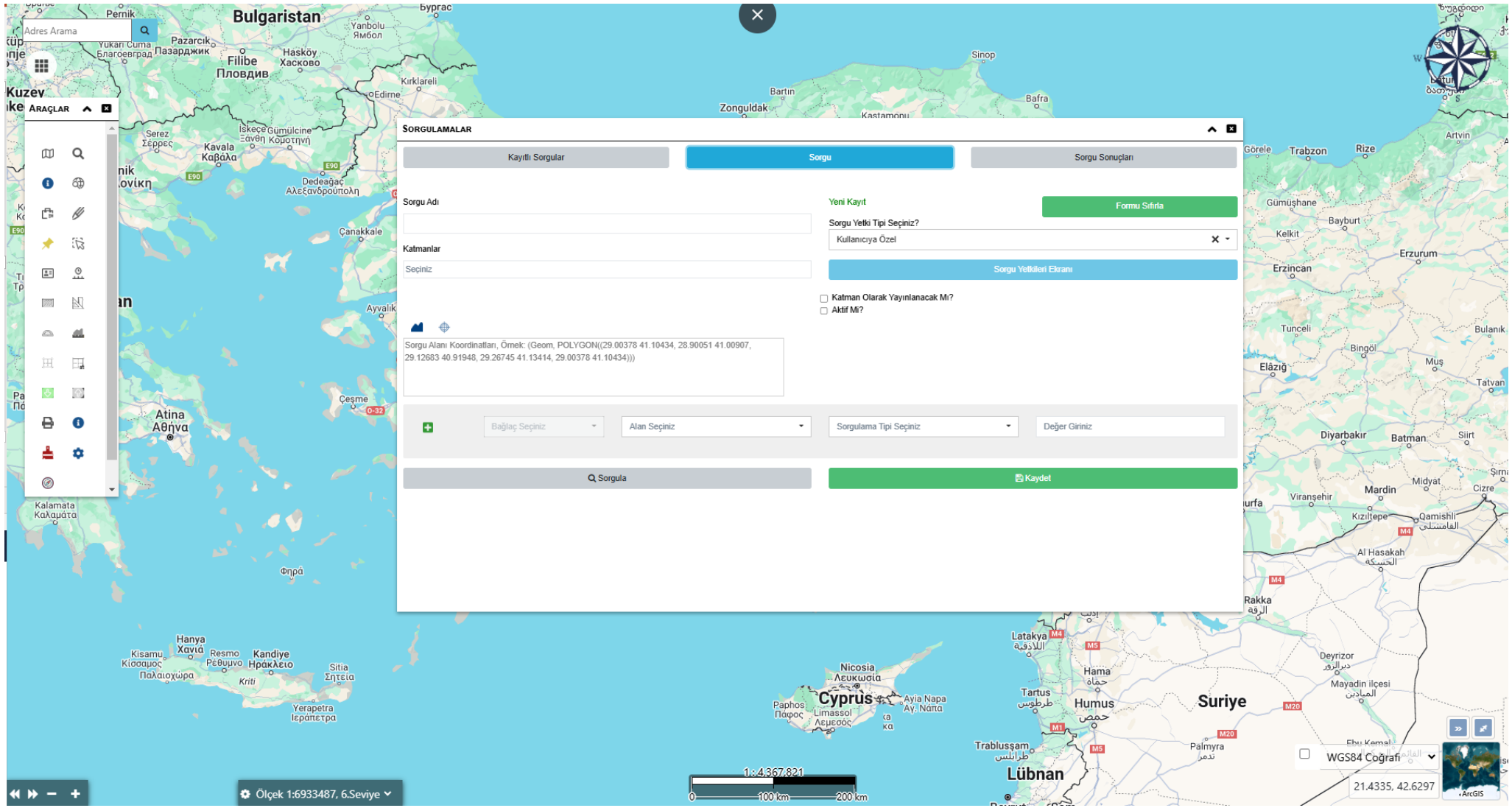
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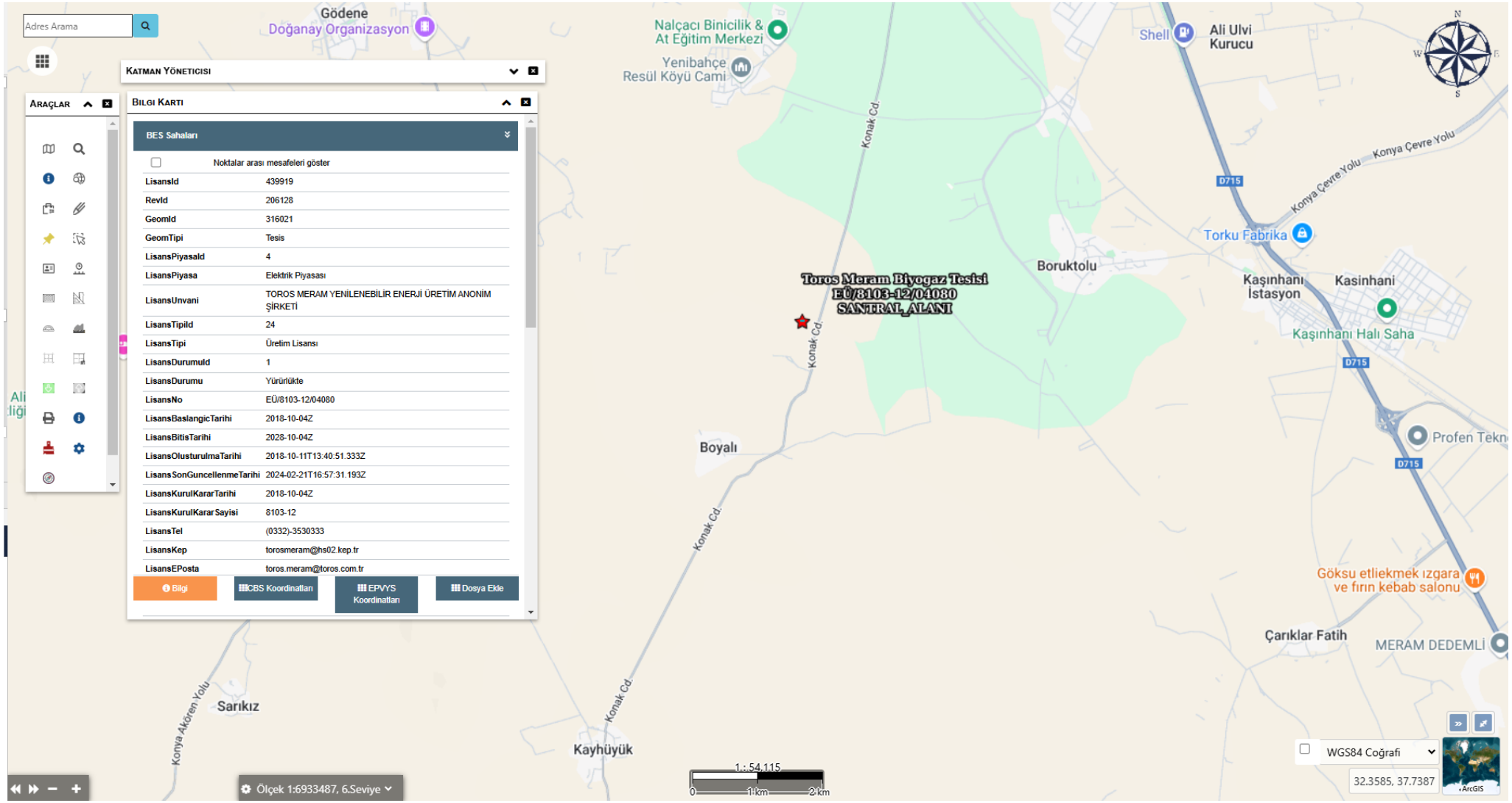
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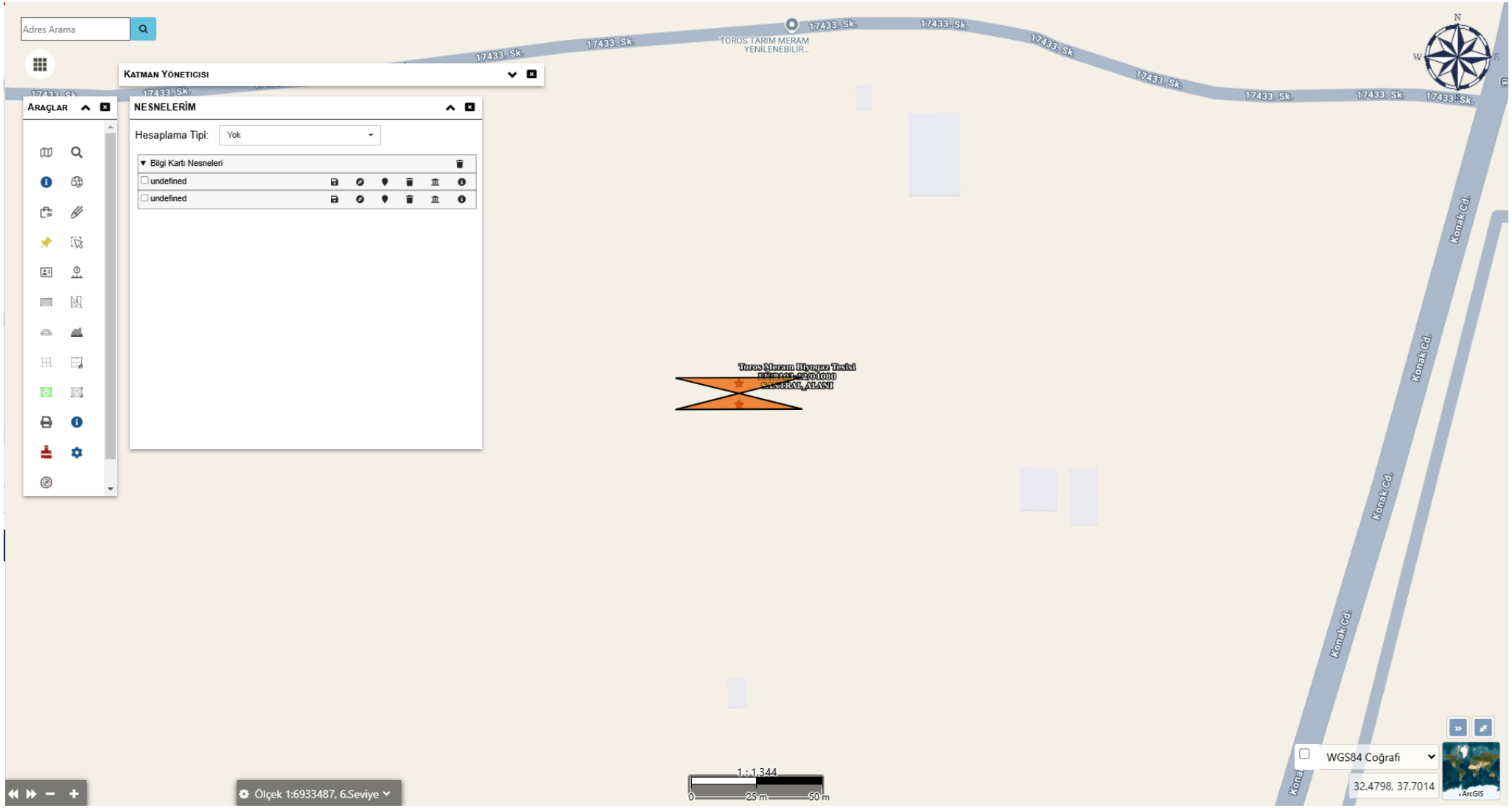
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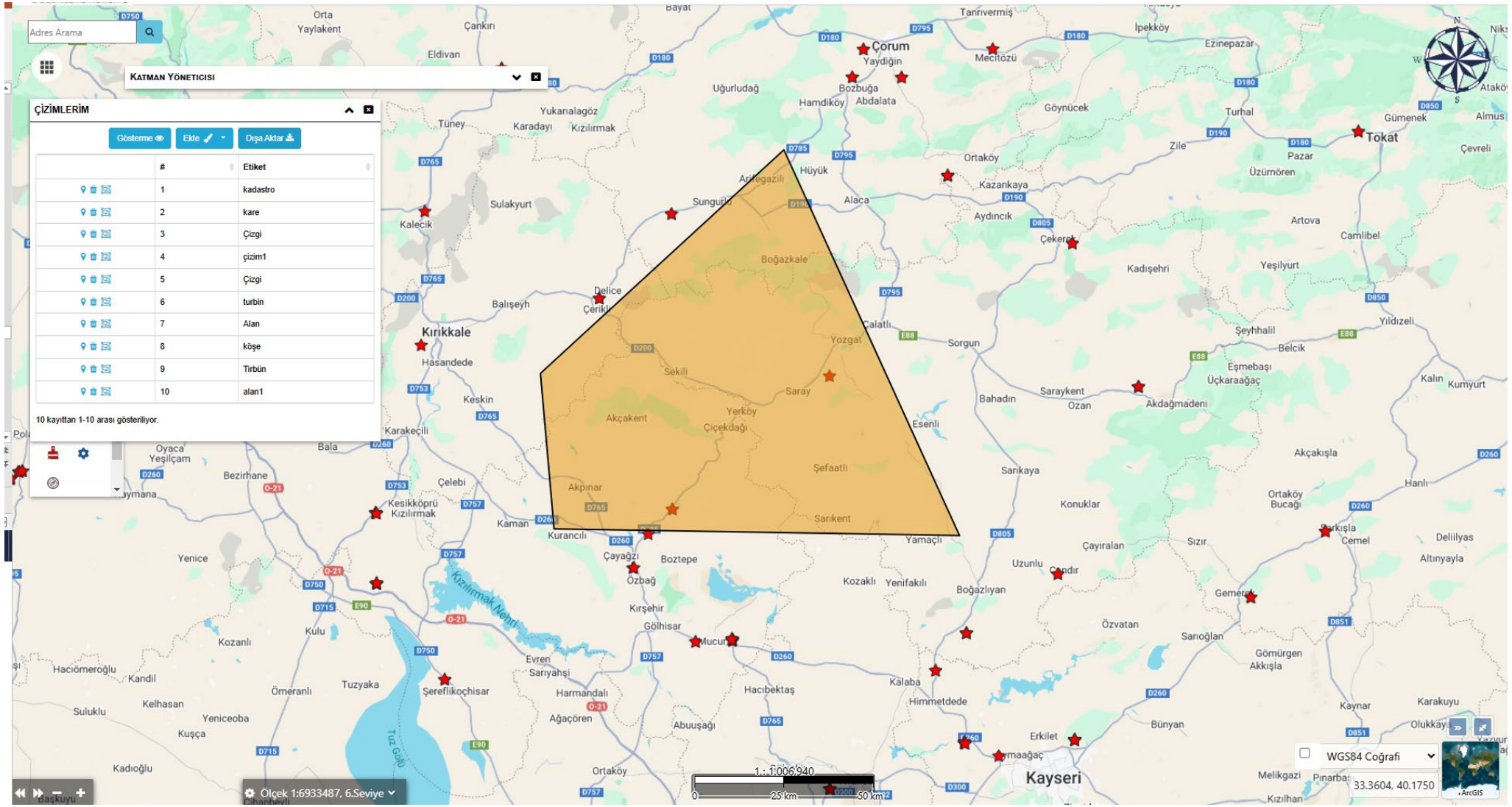
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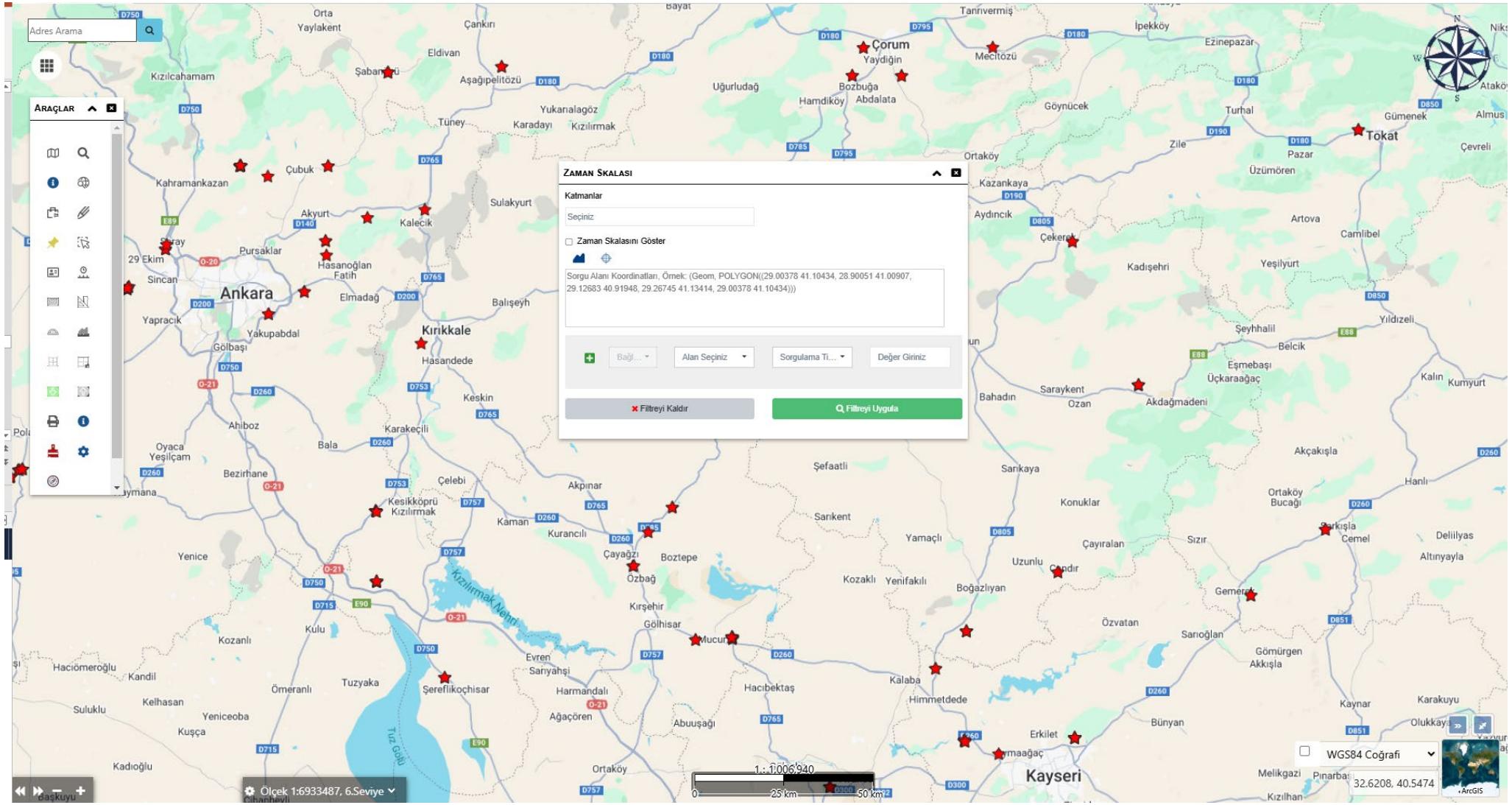
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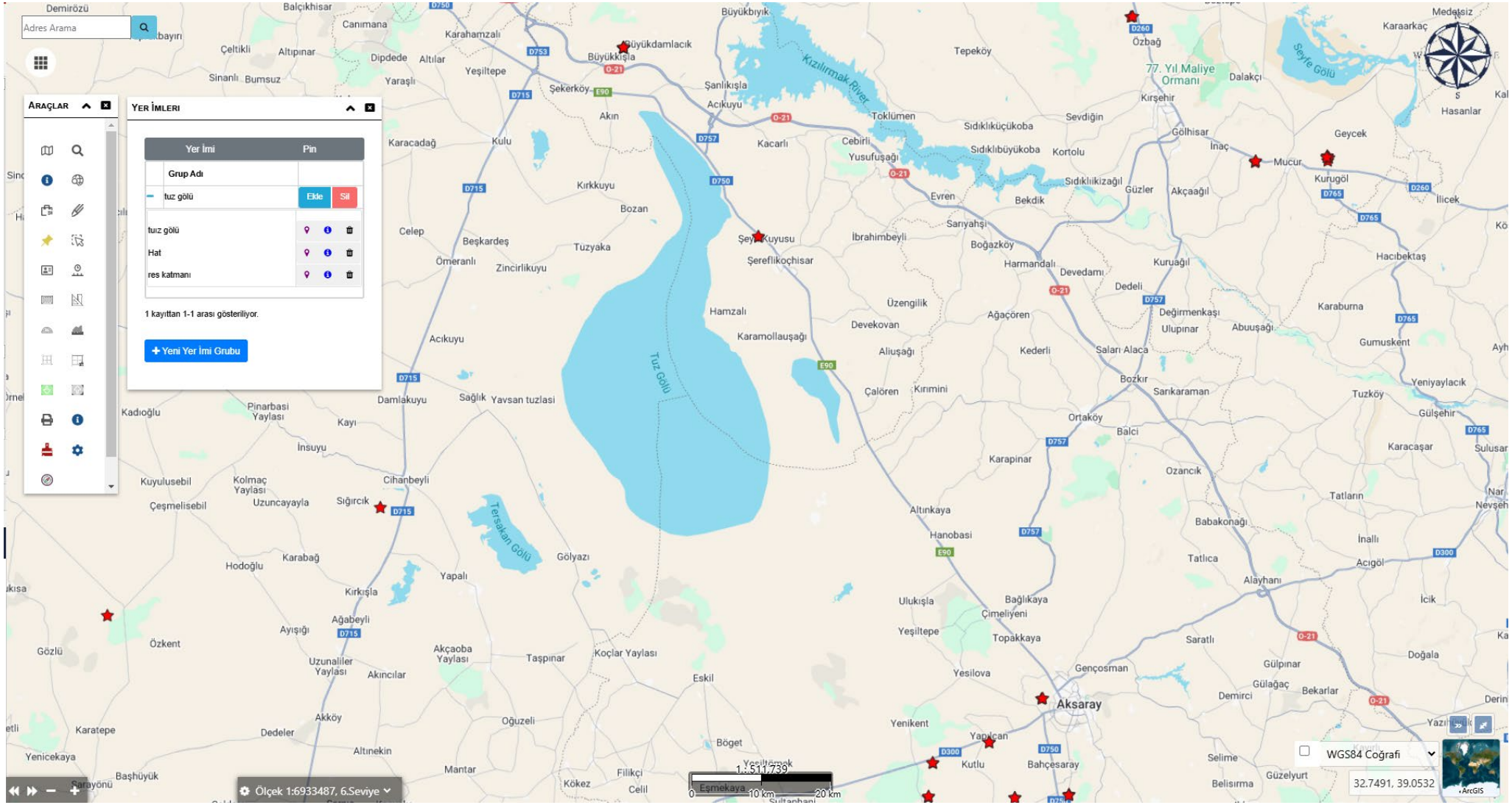
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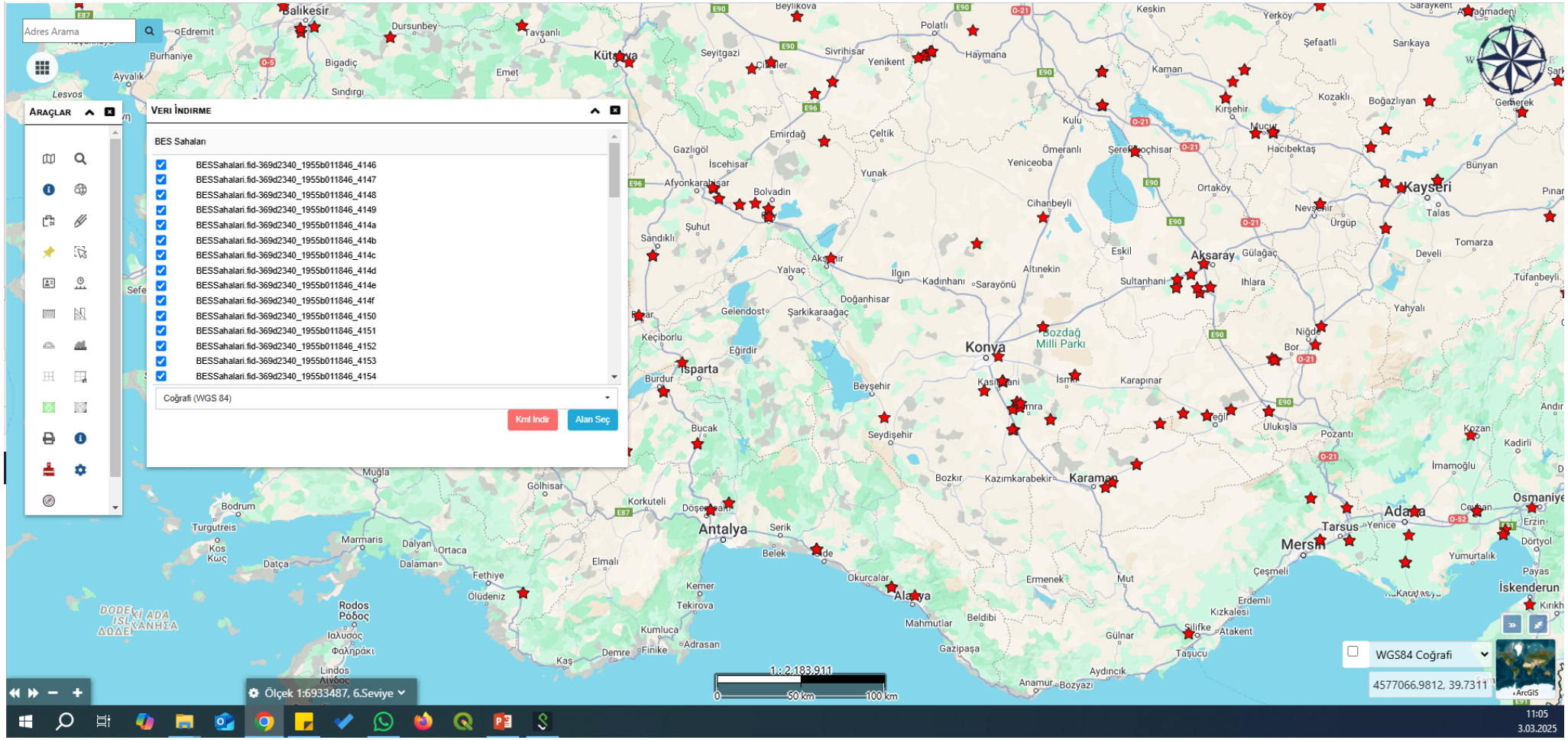
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