



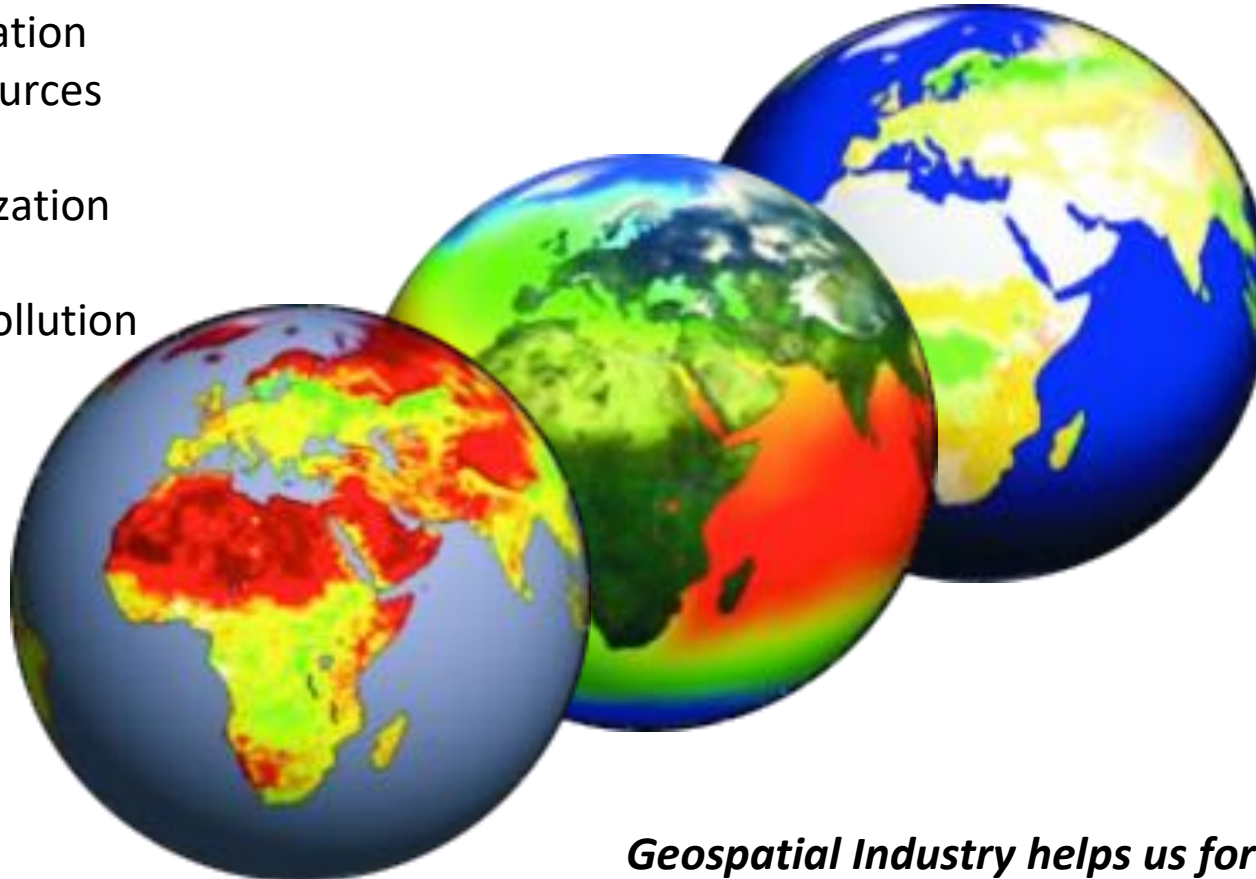
**SPATIAL DATA PRODUCTION AND SHARING APPROACH FOR NSDI:
TURKEY'S CASE STUDIES**

OUR WORLD AND WE...

The World, The One Planet We Know That Life Is ...

Problems...

- ? Increasing Population
- ? Descending Resources
- ? Climate Change
- ? Distorted Urbanization
- ? Natural disasters
- ? Environmental pollution

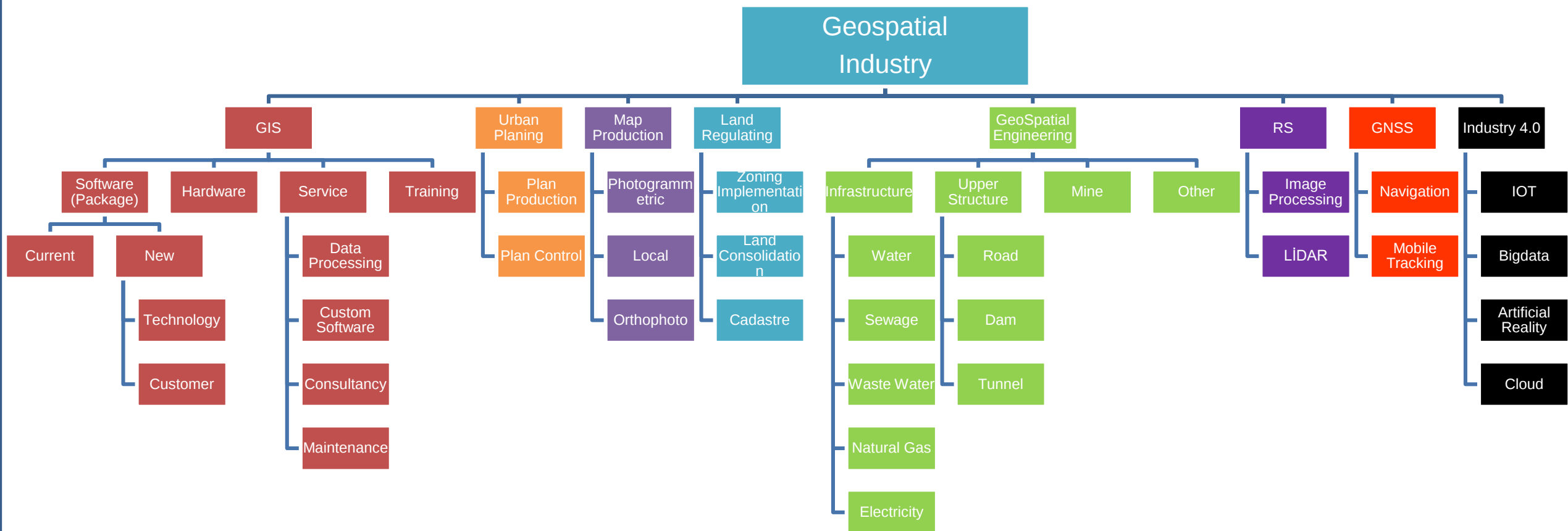


Solutions...

- ✓ Accurate Planning
- ✓ Active and Dynamic Tracking
- ✓ Selecting the Right Location
- ✓ Accurate Analysis
- ✓ Decision Support

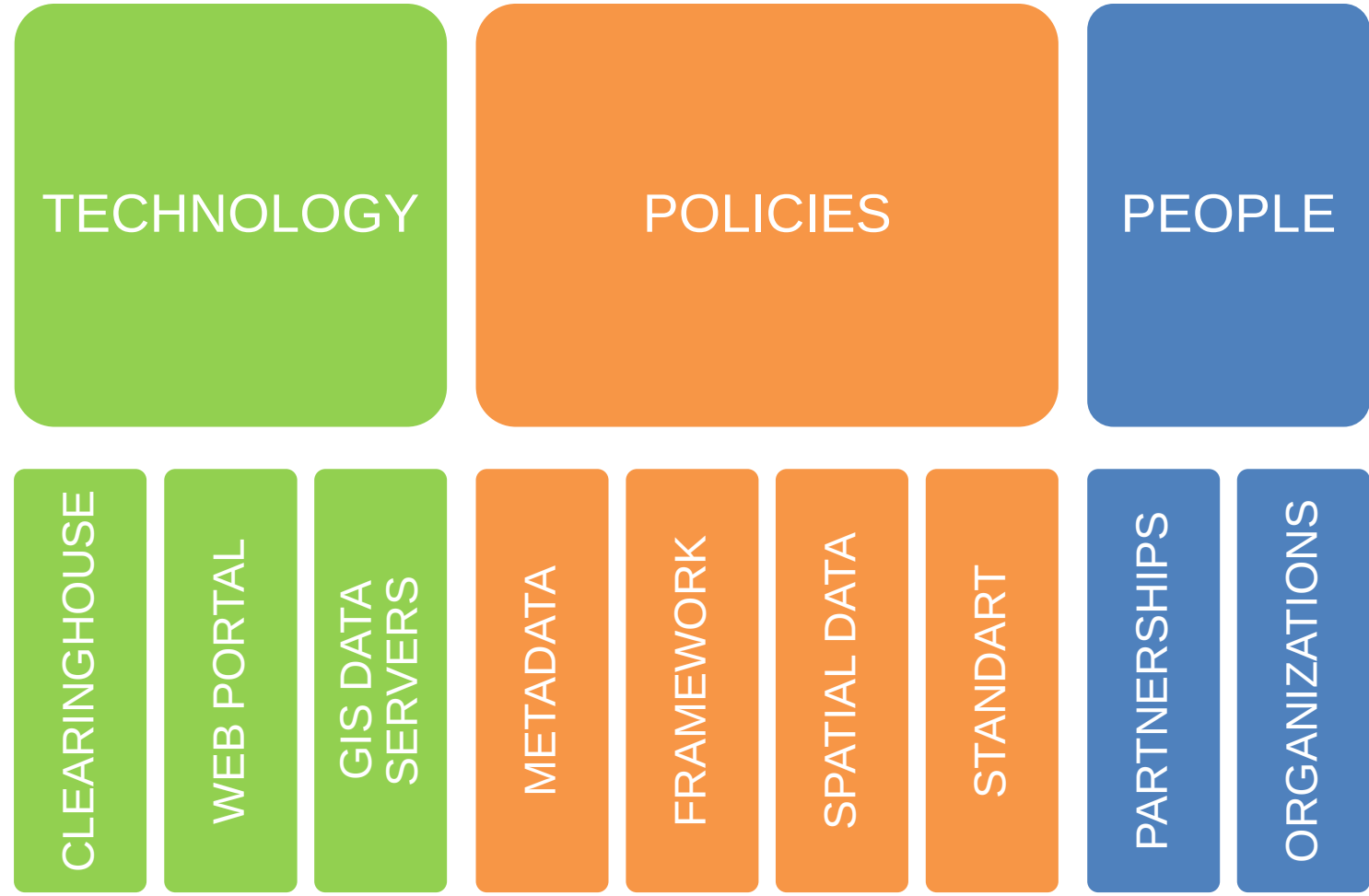
Geospatial Industry helps us for understanding and managing our world well ...







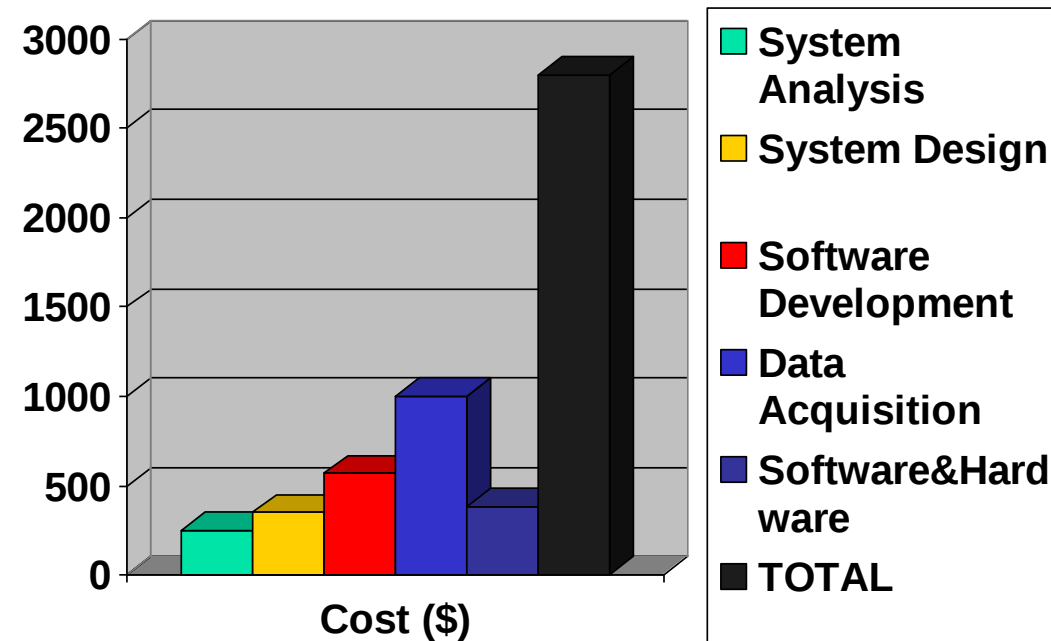
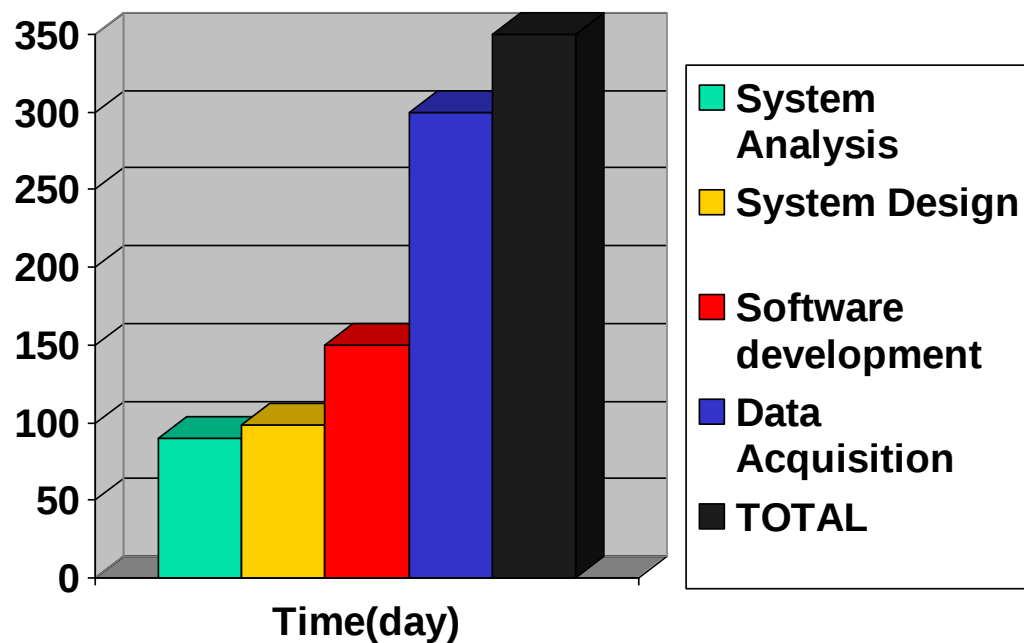
NSDI IS ...



ANALYSING GIS PROJECTS

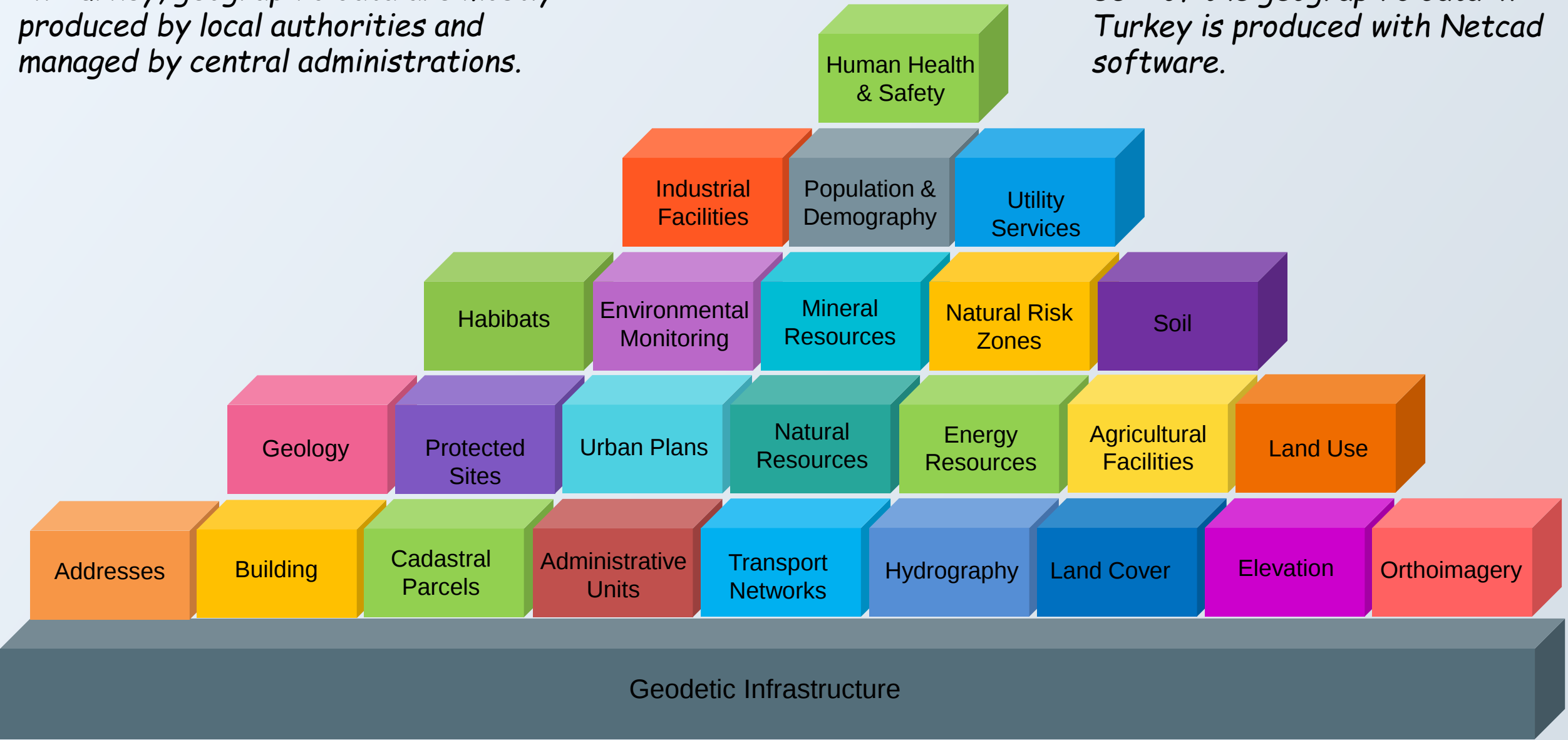


- ✓ Data service in GIS projects is the most time consuming and costly business.
- ✓ But the most important part of the success of the project is the software component.



In Turkey, geographic data are mostly produced by local authorities and managed by central administrations.

85% of the geographic data in Turkey is produced with Netcad software.



BRIEFLY NETCAD

- ❑ Netcad is a software company that develops geographical information systems and spatial based engineering applications.
- ❑ The best known and the most common one in its sector in Turkey.

- ❑ Marketshare: **%85**

- ❑ Products: **+30**

- ❑ Users: **+100.000**

- ❑ Staff: **+140**

- ❑ Location:

- Ankara Headquarters
- Marmara Region Office



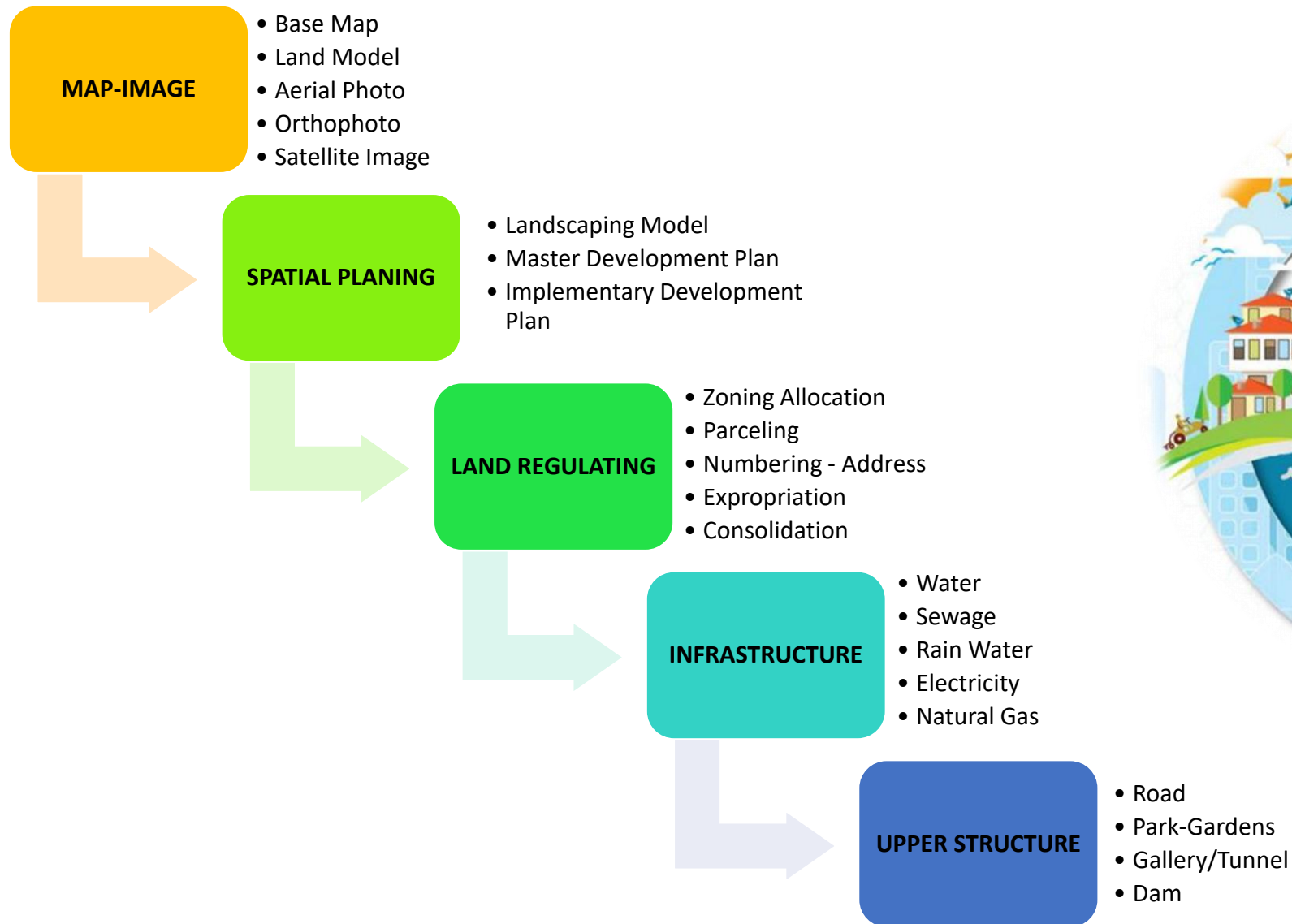
BRIEFLY NETCAD

- ❑ **950** Public Sector
- ❑ **800** Municipalities
- ❑ **4500** Private Sector Firms
- ❑ **84** Universities **474** Departments



- ❑ **5.000** Netcad Campus Certificate Each Year
- ❑ Netcad Portal Members: **+ 50.000**

RURAL TO URBAN AREA TRANSFORMATION



MANAGEMENT OF GEOGRAPHIC DATA

NATURAL RESOURCE

- Geology
- Forest
- Water
- Mine

INVENTORY

- Agriculture
- Road
- Bridge
- Building
- Energy Line

NETWORK SYSTEM

- Water
- Electricity
- Natural Gas
- Telephone

FACILITY MANAGEMENT

- Factory
- Harbour
- Large Nuclear Facility

ŞEFLİK BİLGİLERİ (1)

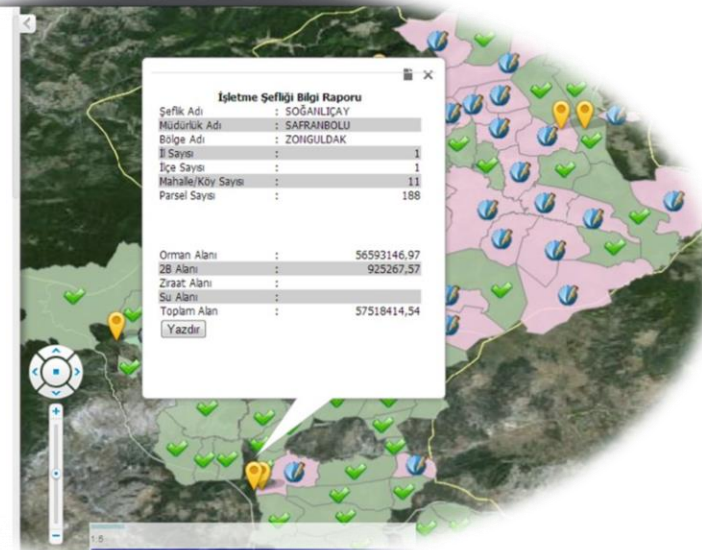
ŞEFLİK BİLGİLERİ (8)

Bölge Adı	ZONGULDAK
İşletme Adı	SAFRANBOLU
Şeflik Adı	EFLANIL
Harita	
Şeflik Bilgi Raporu	
İşletme Bilgisi Bölge Bilgisi Köy/Mahalle Bilgileri	

Bölge Adı ZONGULDAK
İşletme Adı SAFRANBOLU
Şeflik Adı SAFRANBOLU
Harita

Şeflik Bilgi Raporu

[İşletme Bilgisi](#) [Bölge Bilgisi](#) [Köy/Mahalle Bilgileri](#)



PROCESSING OF GEOGRAPHIC DATA...

ANALYSIS

- Overlay/Buffer
- Basin Analysis
- Network Analysis
- Time Analysis

QUERY

- What is it?
- Where is it?

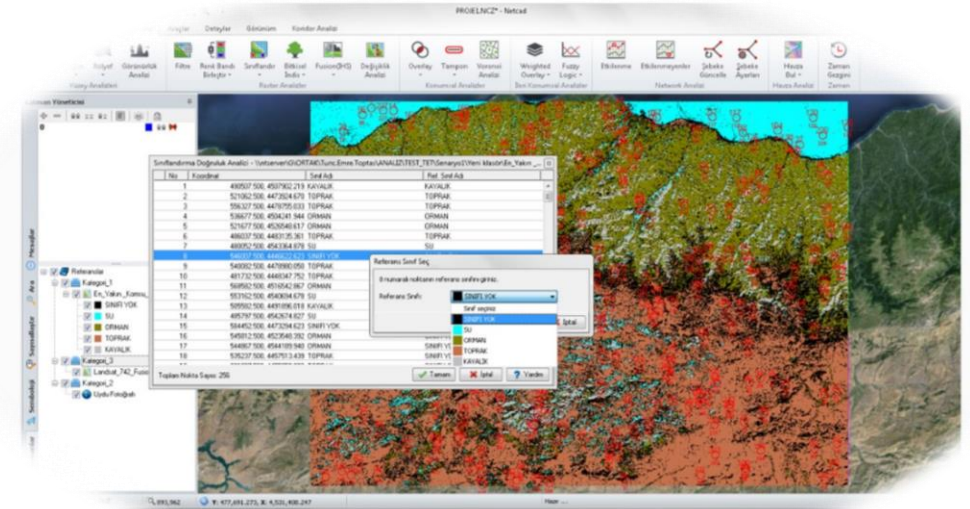
REPORTING

- According to Place
- According to Process
- Other...

THEMATIC MAPPING

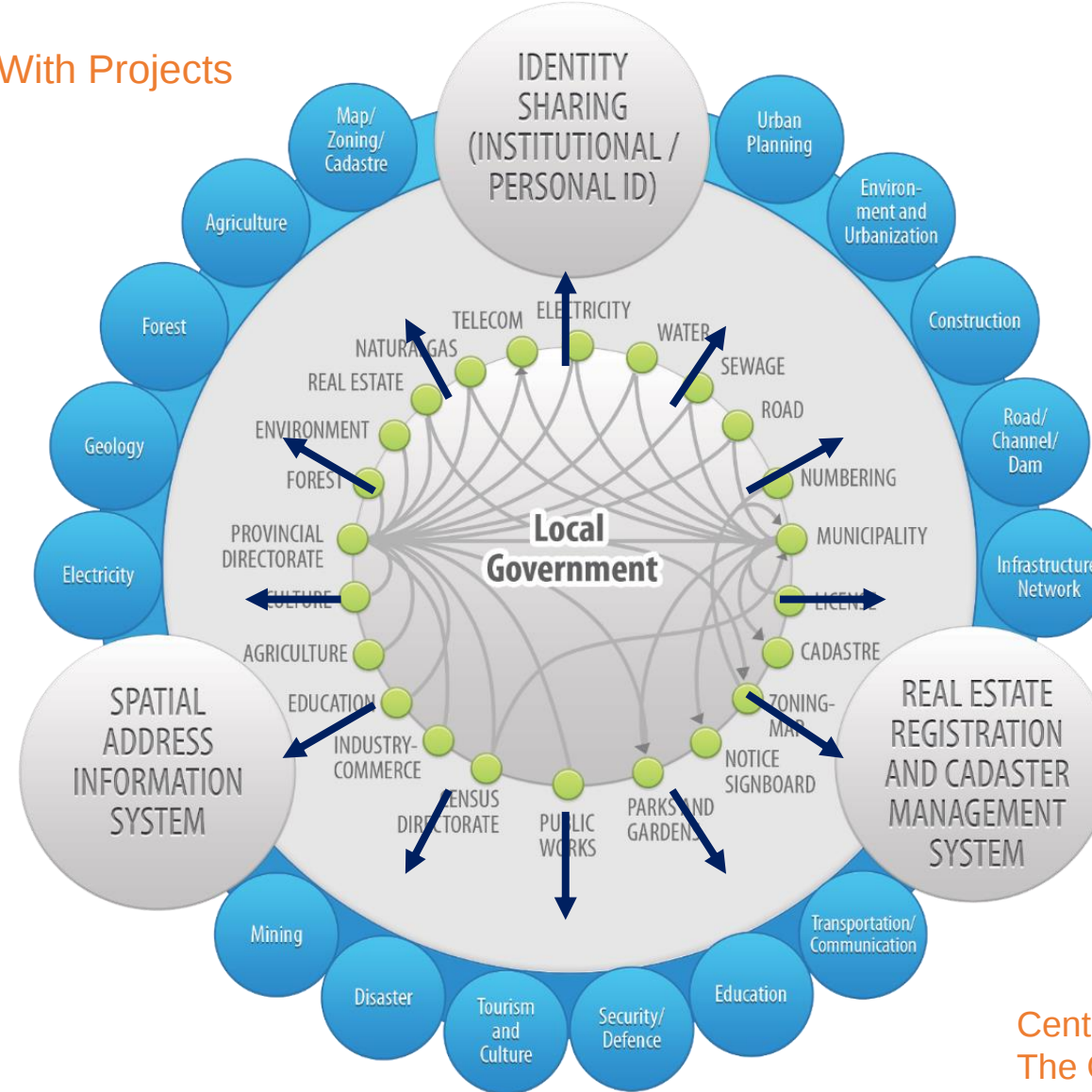
- Map Display of the Query Results

DECISION SUPPORT



GEOSPATIAL DATA FROM LOCAL TO CENTRAL

Geographic Data Occur With Projects
By Local Authorities...

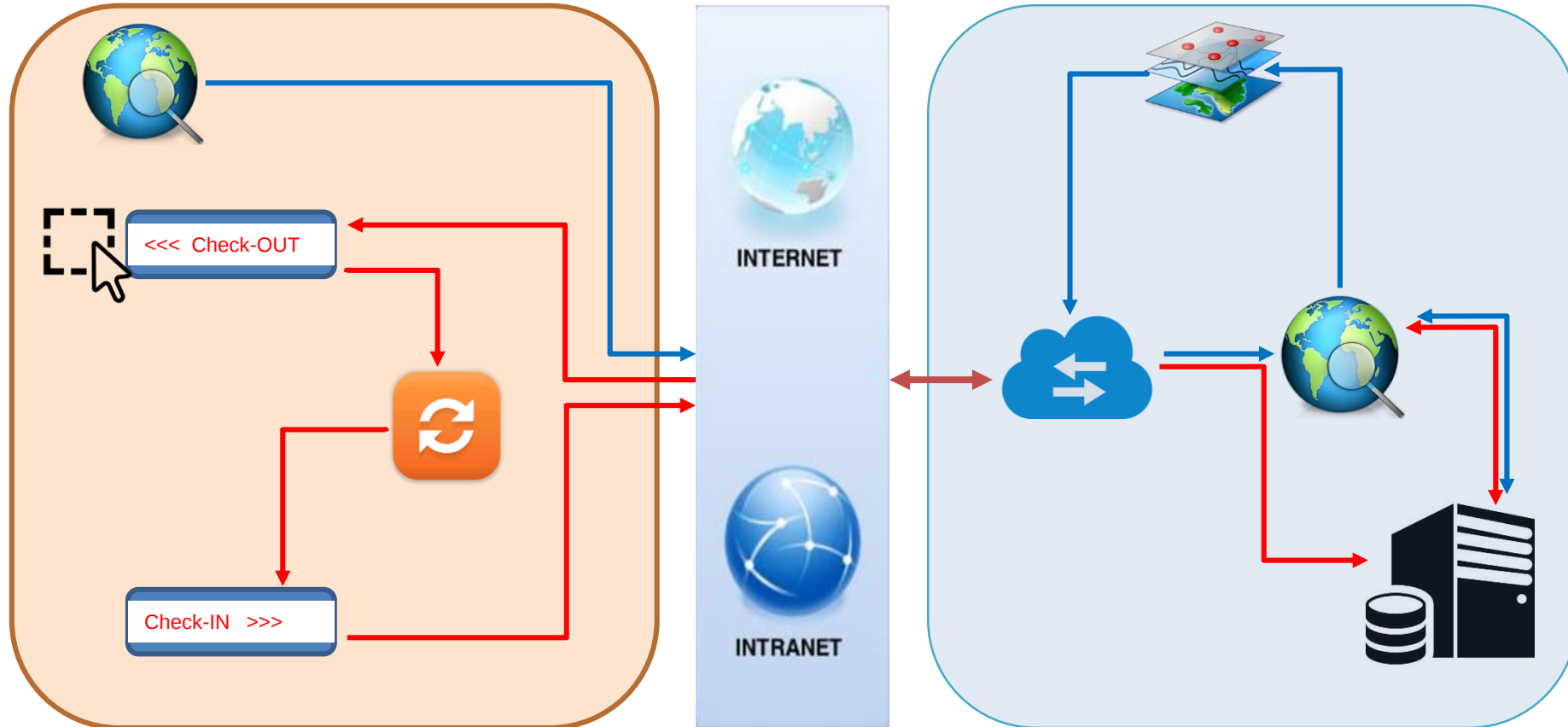


Central Authorities Manages
The Geographical Data in National Level...

DISTRIBUTED DATA MANAGEMENT SYSTEM

CLIENTS - USERS

CENTER

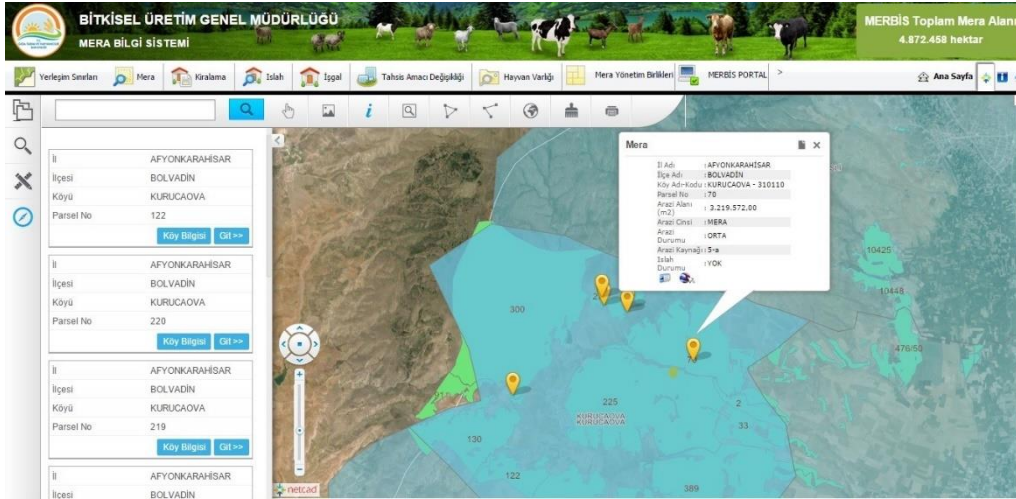


PASTURE INFORMATION SYSTEM



Data sets managed by NETCAD software

- ✓ Turkey Pasture Asset
- ✓ Income and Expense Tracking
- ✓ Allocation
- ✓ Occupation
- ✓ Migrant Information
- ✓ Livestock Asset

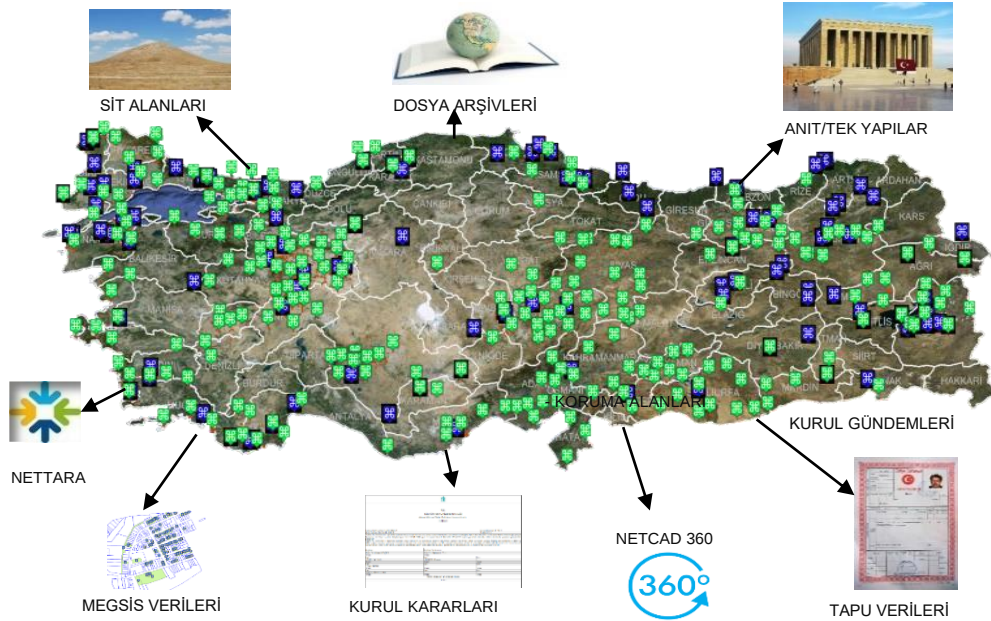


General
Directorate of
Plant Production

All (81)
Provinces

561 Netcad
Users

REGISTERED CULTURAL PROPERTY NATIONAL INVENTORY SYSTEM



**Data sets managed by
NETCAD software**

- ✓ Registered Cultural Property of Turkey
- ✓ Monuments and Unique Structures
- ✓ Protected Areas

General Directorate of
Cultural Heritage

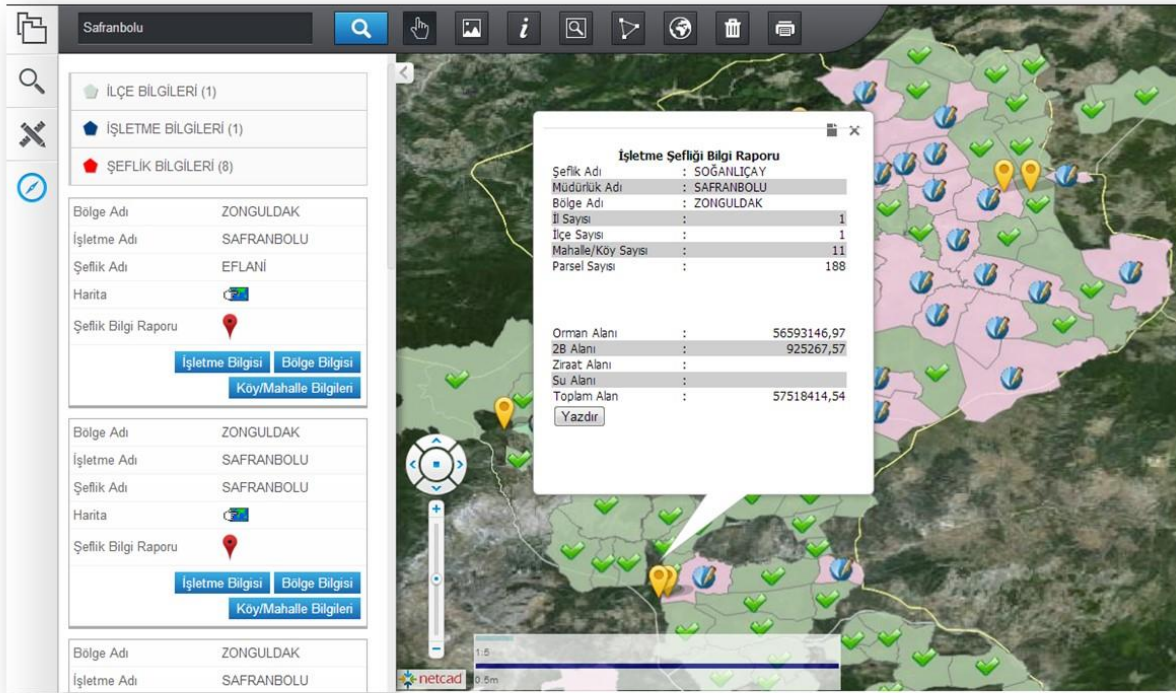
All (36)
Commissions

250 Netcad
Users

FOREST CADASTRE INFORMATION SYSTEM

Data sets managed by
NETCAD software

- ✓ Turkey Forest Cadastre
- ✓ Business Programs
- ✓ Land use and land cover in forest areas



General Directorate of
Forestry

All (81)
Provinces

370 Netcad
Users



THANK YOU FOR YOUR INTEREST