

کاربرد GIS در مدیریت دارایی‌های فیزیکی

سید باقر موسوی


برنامه نویس ارشد

کارشناس مهندسی برق

نادیا خادمی

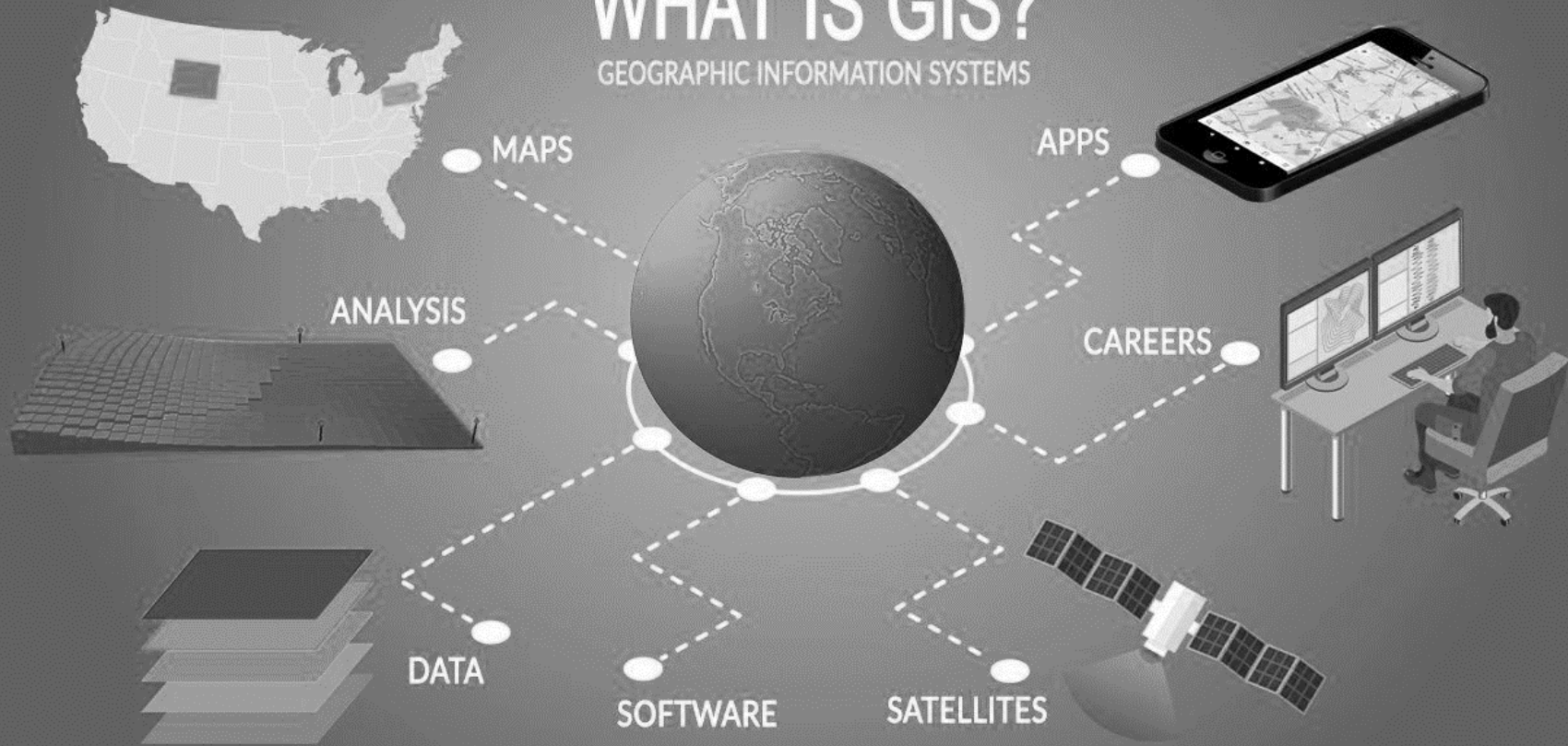
برنامه نویس وب و GIS

کارشناس فیزیک کاربردی

- 
- **What Is GIS?**
 - **History**
 - **Components Of GIS**

WHAT IS GIS?

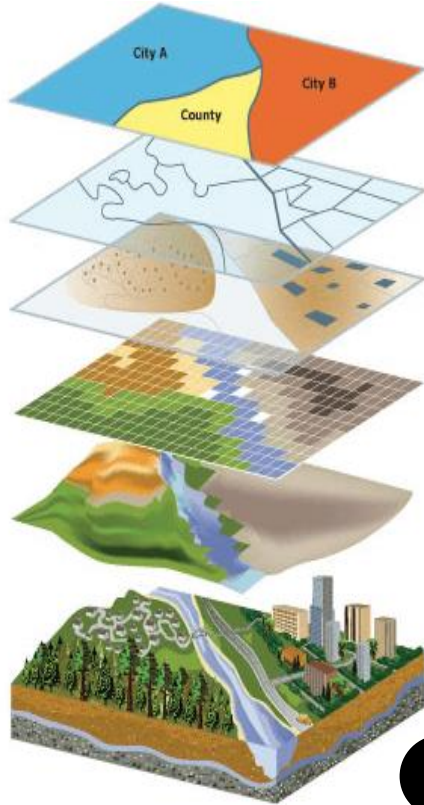
GEOGRAPHIC INFORMATION SYSTEMS



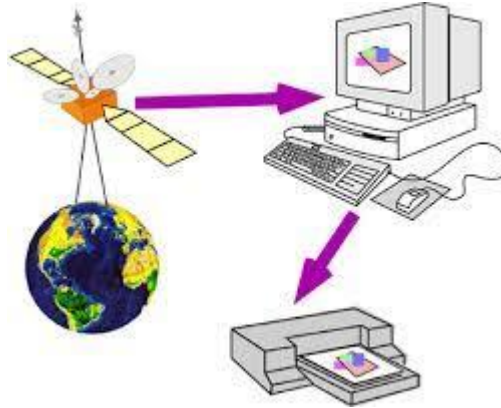
History



Components Of GIS



Spatial data



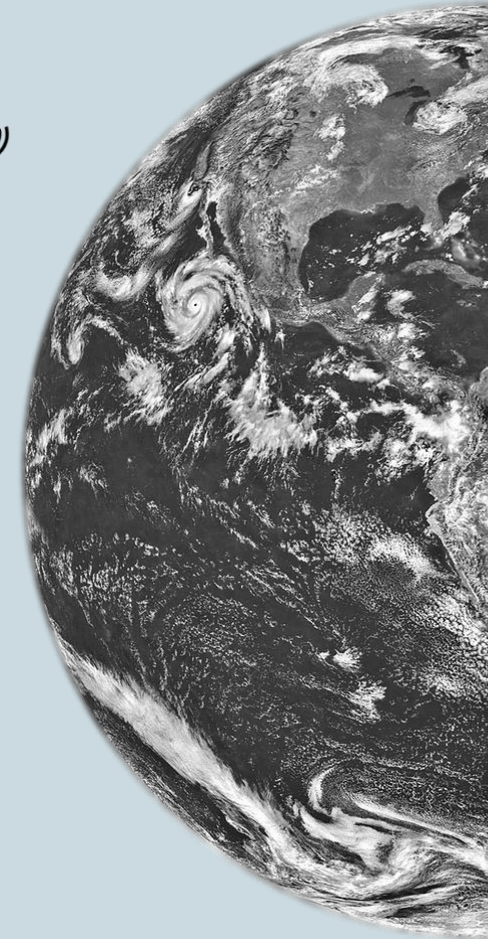
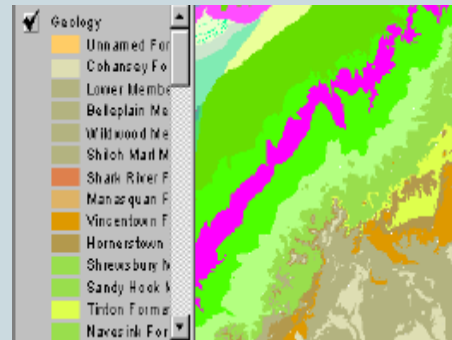
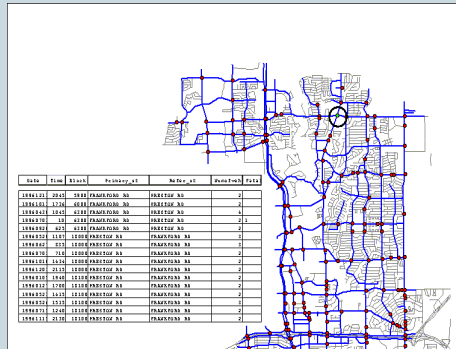
computer hardware software GIS



specific applications decision making

Types Of Data In GIS:

- Spatial data: they specify the position and shape of the complication in some way.
- Non-spatial or descriptive data: information about the complex that is not referenced to a specific coordinate system.



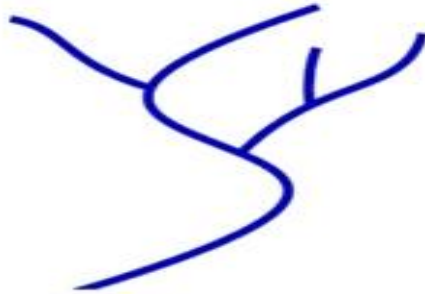
Types of spatial data in GIS

01

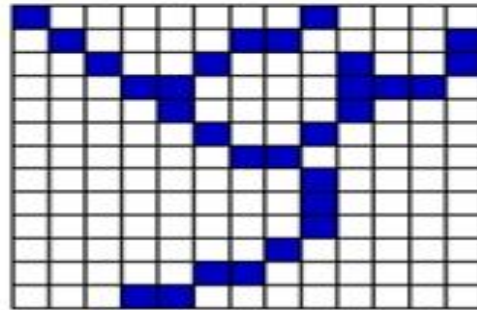
Vector Model

02

Raster Model

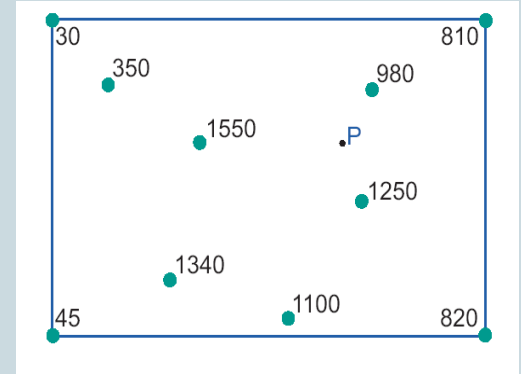
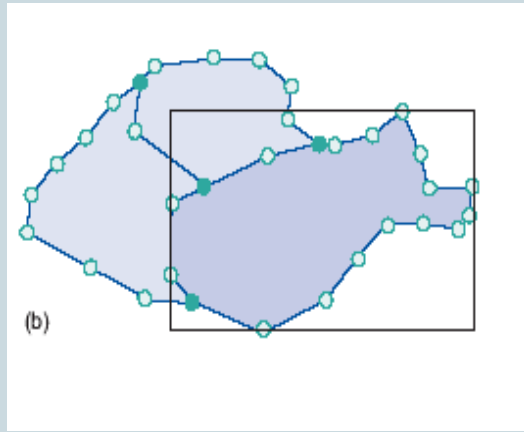


Vector



Raster

Vector data types



POLYGON

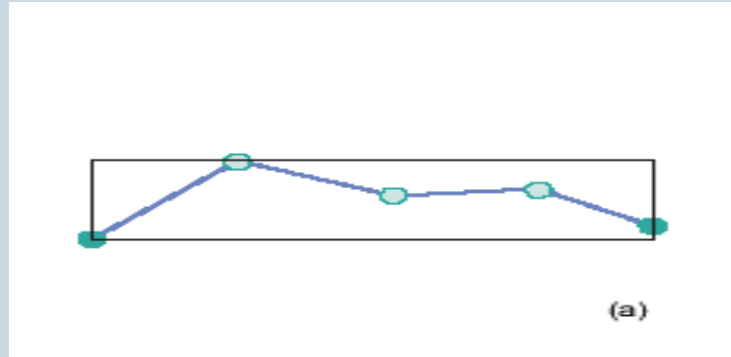
Operational Area

POINT

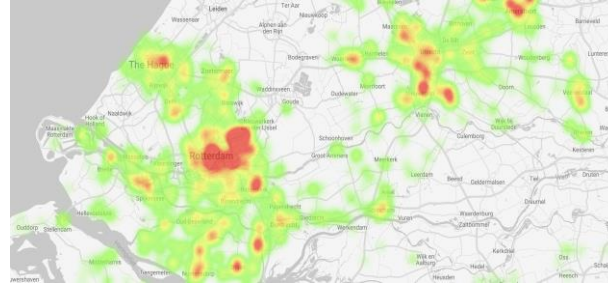
Asset Location

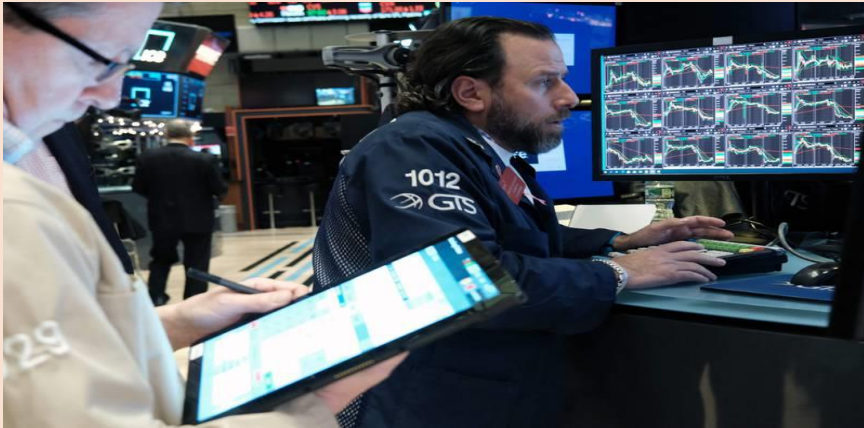
POLYLINE

Pipe Line

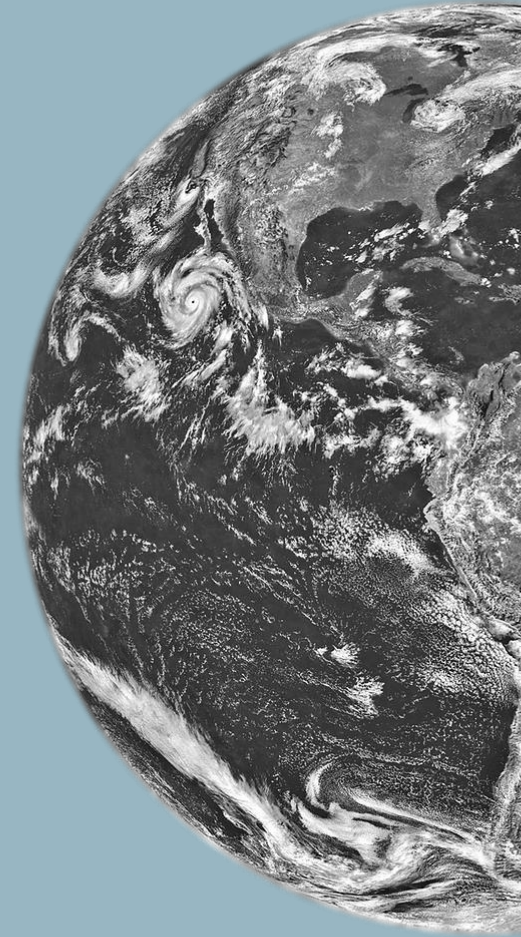


1. OpenStreetMap
2. Heat Map
3. Notification On Map

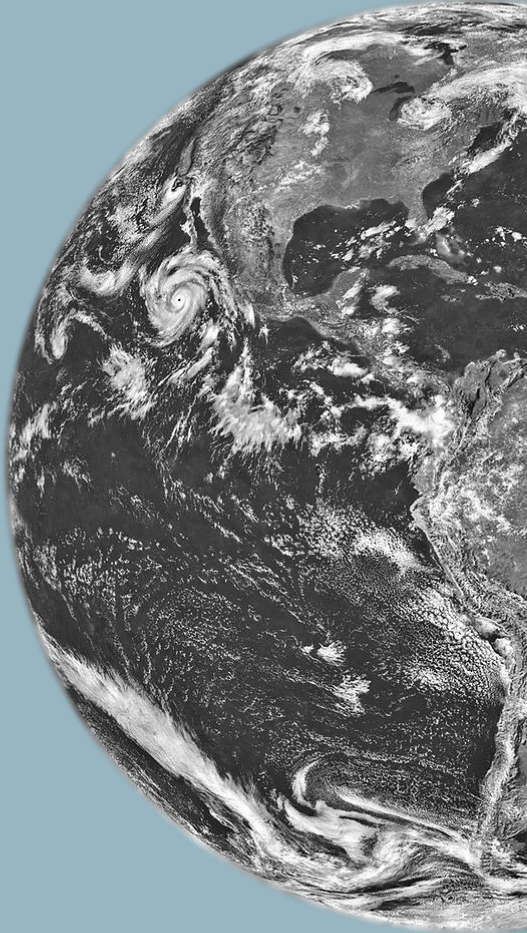
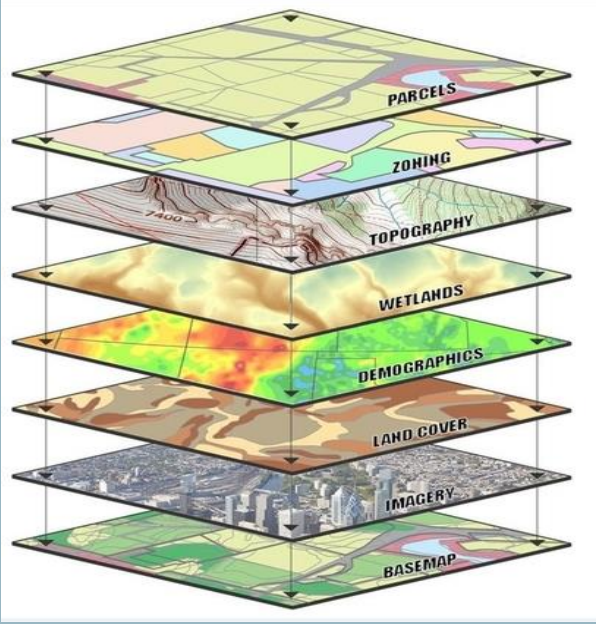
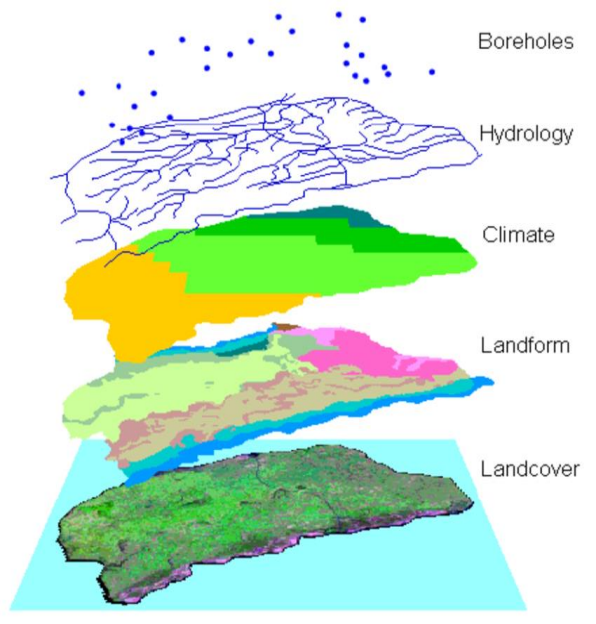




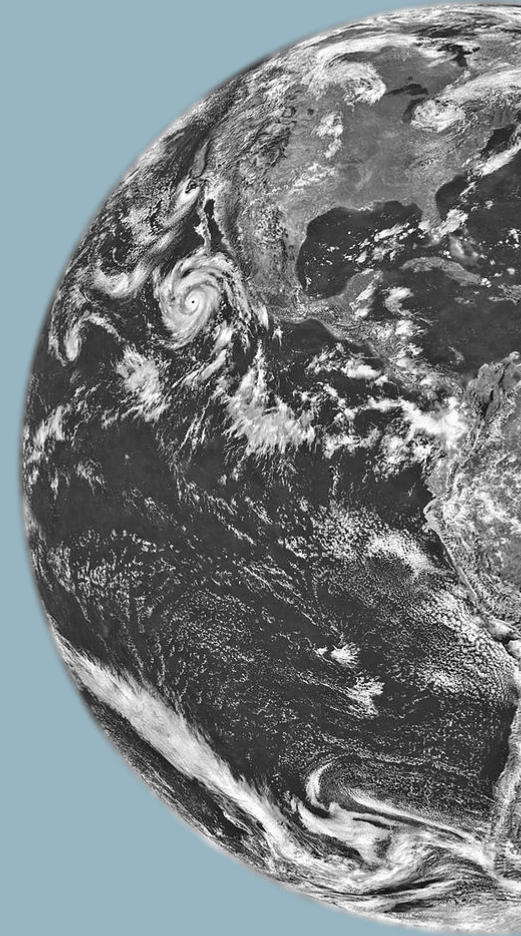
Map and illustration



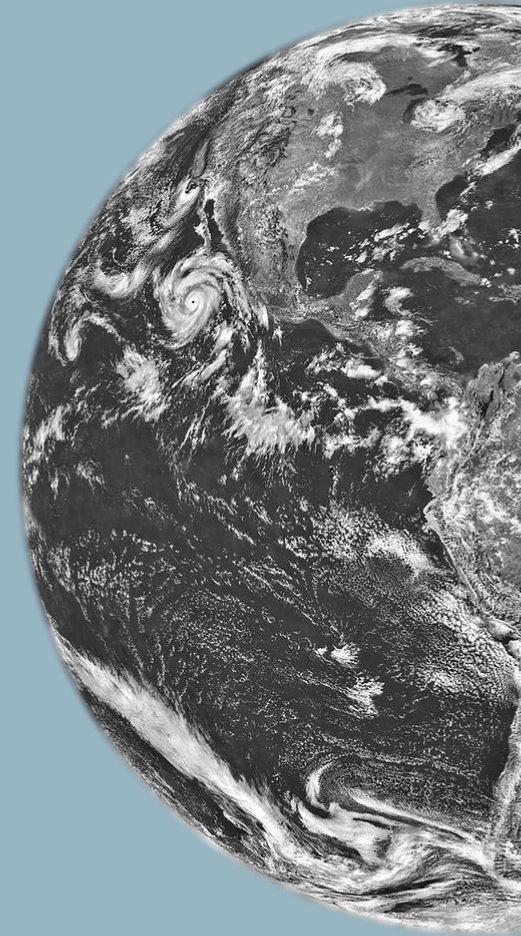
Map and illustration



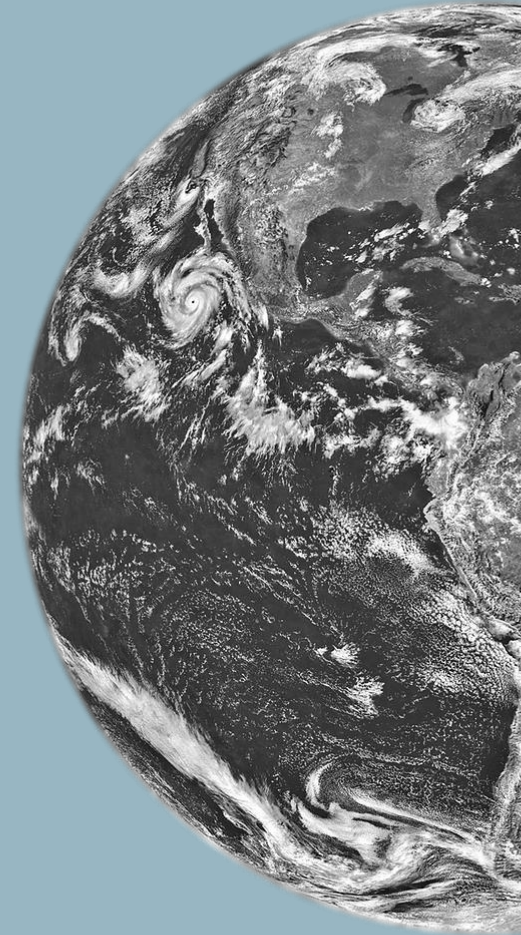
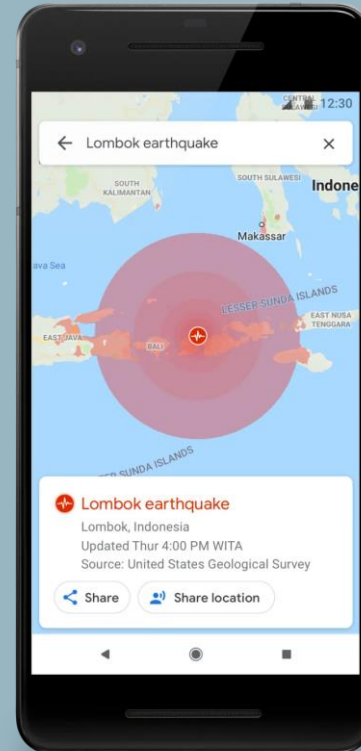
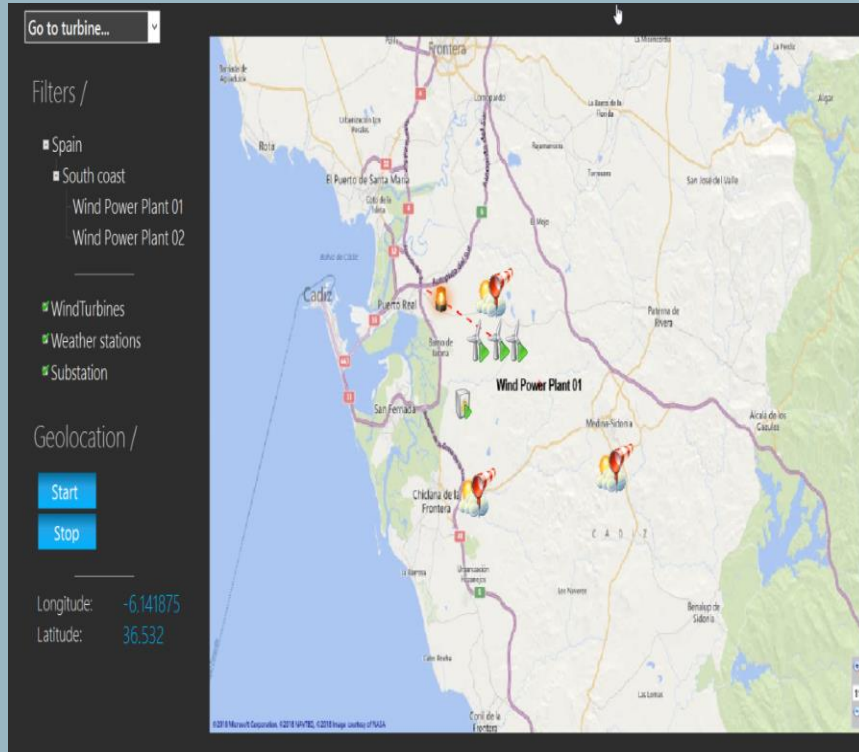
Map and illustration



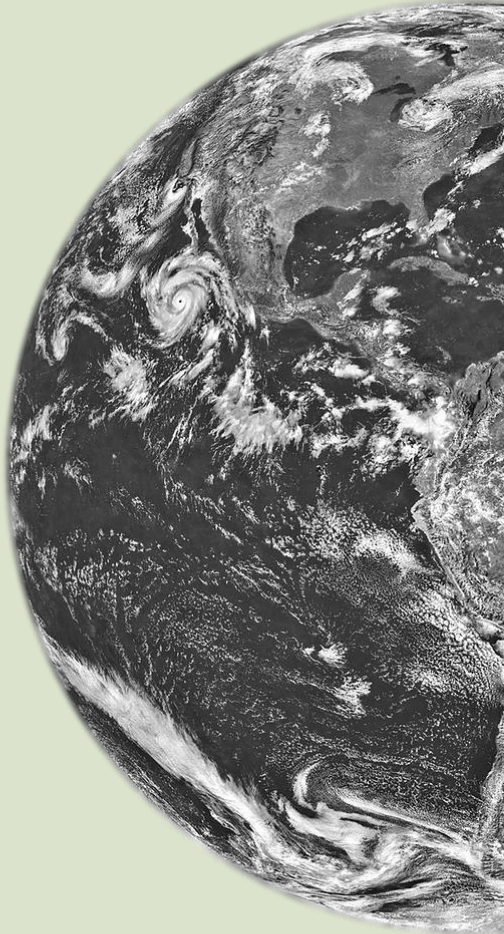
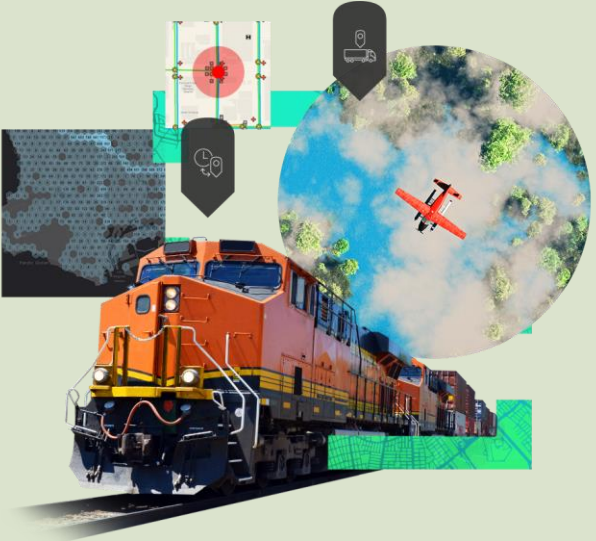
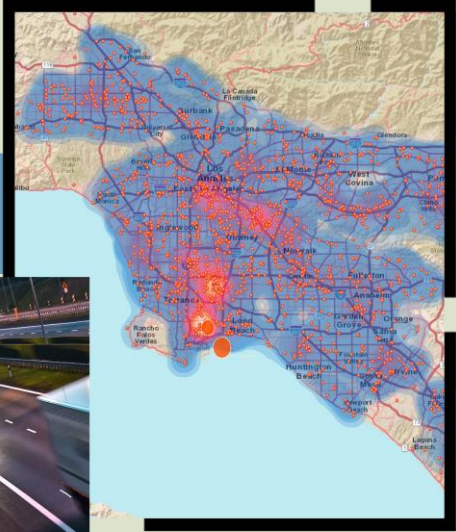
Map and illustration



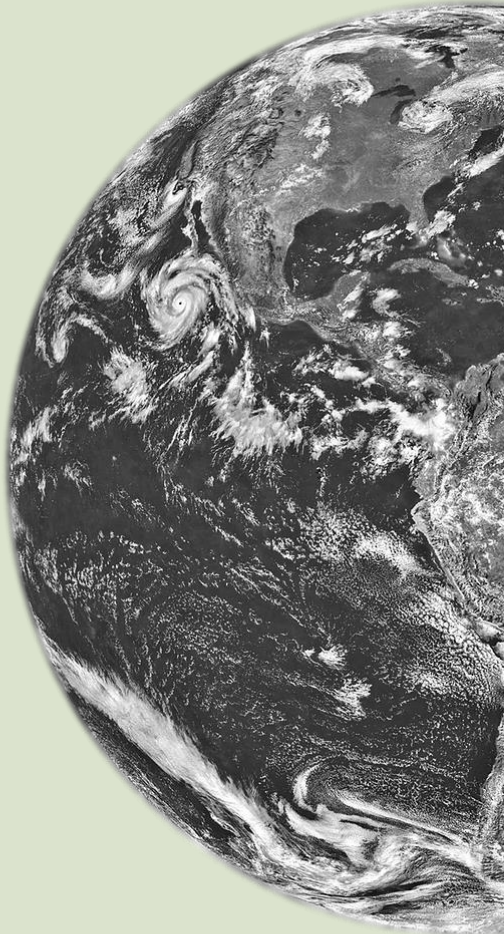
Map and illustration



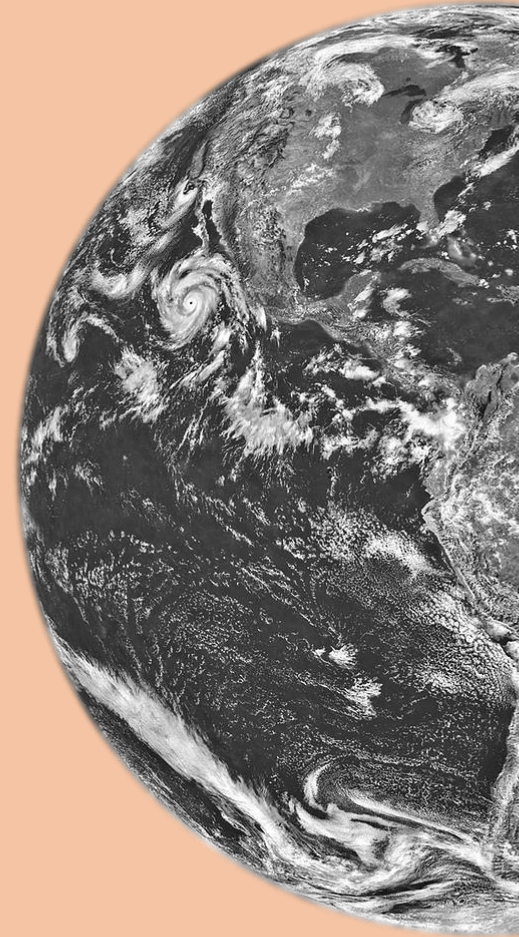
Equipment tracking and monitoring



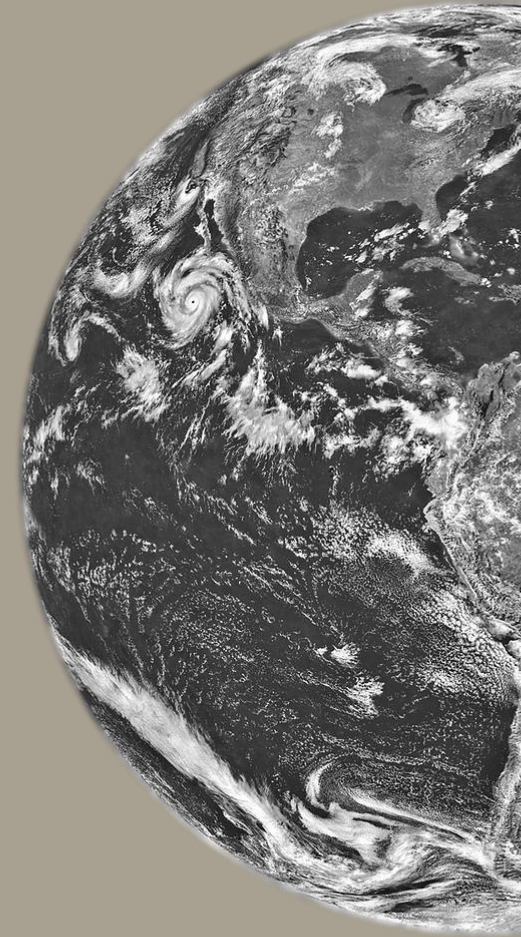
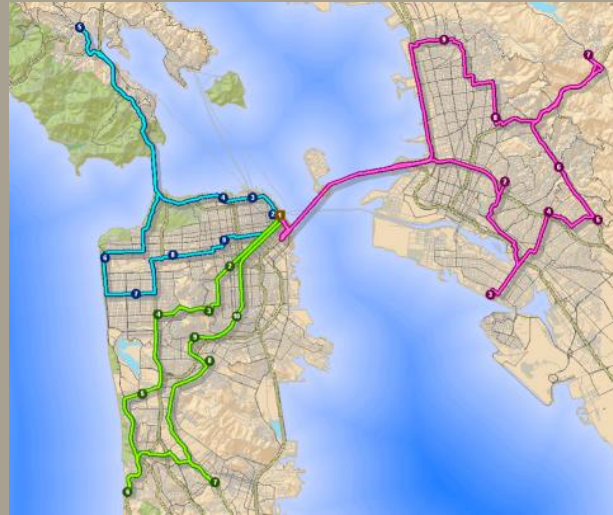
Equipment tracking and monitoring



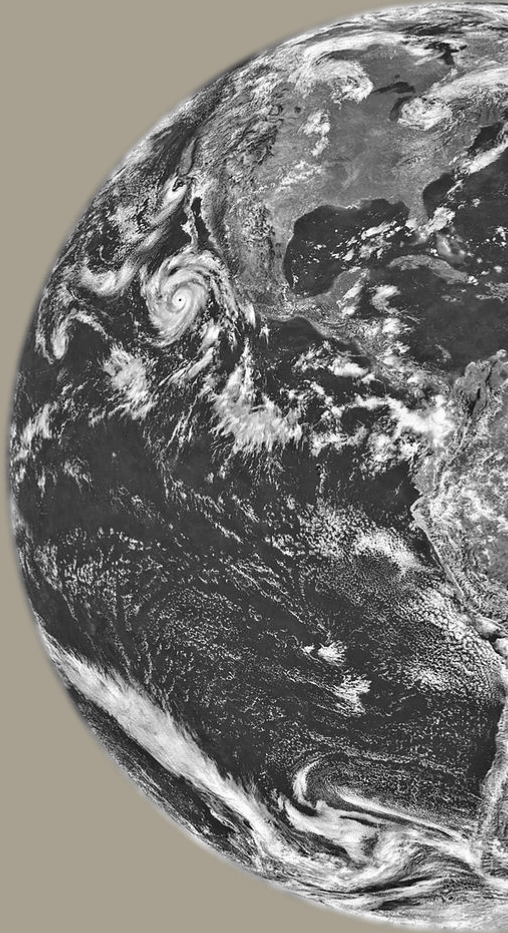
GIS integration with IOT



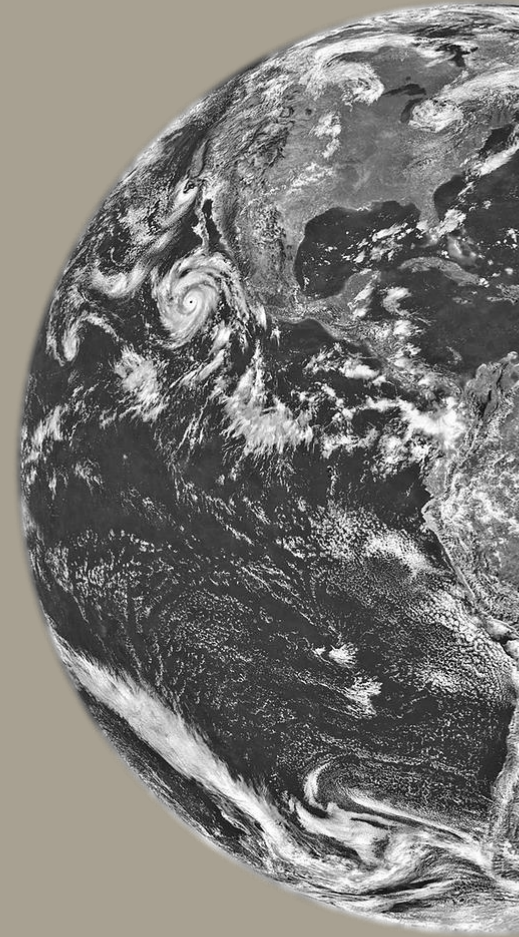
Examining the scenario of equipment performance optimization using GIS



Examining the scenario of equipment performance optimization using GIS



- **What Is GIS?**
- **Map and illustration**
- **Examining the scenario of equipment**
- **Equipment tracking and monitoring**
- **performance optimization using GIS**
- **Examining the scenario of equipment**
- **performance optimization using GIS**





Thank you