1. Environmental Management (20 Projects)

1. **Mapping Deforestation Patterns**
   - **Goal:** Analyze deforestation over time.
   - **Focus:** Satellite imagery, forest cover changes.
2. **Water Quality Monitoring**
   - **Goal:** Track water pollution sources.
   - **Focus:** Water samples, pollution mapping.
3. **Wildlife Habitat Mapping**
   - **Goal:** Identify and protect habitats.
   - **Focus:** Species distribution, habitat suitability.
4. **Climate Change Impact on Agriculture**
   - **Goal:** Assess climate change effects on crops.
   - **Focus:** Temperature changes, crop yield mapping.
5. **Flood Risk Mapping**
   - **Goal:** Identify flood-prone areas.
   - **Focus:** Elevation data, flood history.
6. **Urban Heat Island Effect Analysis**
   - **Goal:** Map temperature variations in urban areas.
   - **Focus:** Land use, temperature data.
7. **Air Quality Monitoring**
   - **Goal:** Track air pollution levels.
   - **Focus:** Pollutant sources, dispersion patterns.
8. **Coastal Erosion Mapping**
   - **Goal:** Monitor coastal changes over time.
   - **Focus:** Shoreline changes, erosion rates.
9. **Land Use and Land Cover Change Detection**
   - **Goal:** Map urbanization and land cover changes.
   - **Focus:** Satellite imagery, classification techniques.
10. **Renewable Energy Site Selection**
    - **Goal:** Identify suitable locations for renewable energy.
    - **Focus:** Wind, solar, and hydro power potential.
11. **Soil Erosion Risk Mapping**
    - **Goal:** Assess areas prone to soil erosion.
    - **Focus:** Slope, land cover, rainfall data.
12. **Carbon Sequestration Mapping**
    - **Goal:** Estimate carbon storage in forests.
    - **Focus:** Tree biomass, carbon stocks.
13. **Wetland Conservation Mapping**
    - **Goal:** Identify and protect wetlands.
    - **Focus:** Wetland distribution, conservation status.
14. **Protected Area Management**
    - **Goal:** Manage and monitor protected areas.

- **Focus:** Biodiversity, land use changes.
15. **Forest Fire Risk Assessment**
    - **Goal:** Map areas at risk of wildfires.
    - **Focus:** Vegetation type, fire history.
16. **Natural Disaster Preparedness Mapping**
    - **Goal:** Identify areas vulnerable to natural disasters.
    - **Focus:** Earthquakes, landslides, tsunamis.
17. **Aquatic Ecosystem Mapping**
    - **Goal:** Monitor health of lakes and rivers.
    - **Focus:** Water quality, aquatic vegetation.
18. **Vegetation Health Monitoring**
    - **Goal:** Assess plant health using remote sensing.
    - **Focus:** NDVI, satellite imagery.
19. **Ecosystem Service Valuation Mapping**
    - **Goal:** Estimate the value of ecosystem services.
    - **Focus:** Water purification, pollination, recreation.
20. **Invasive Species Mapping**
    - **Goal:** Track the spread of invasive species.
    - **Focus:** Species distribution, control measures.

2. Urban Planning and Development (20 Projects)

1. **Urban Sprawl Analysis**
    - **Goal:** Assess urban expansion over time.
    - **Focus:** Land use changes, urbanization patterns.
2. **Smart City Infrastructure Mapping**
    - **Goal:** Map smart city components.
    - **Focus:** IoT sensors, connectivity.
3. **Public Transportation Accessibility**
    - **Goal:** Analyze accessibility of public transport.
    - **Focus:** Transit routes, population density.
4. **Housing Density Analysis**
    - **Goal:** Map residential density in urban areas.
    - **Focus:** Building footprints, population data.
5. **Green Space Distribution in Cities**
    - **Goal:** Identify and map green spaces.
    - **Focus:** Parks, gardens, urban forestry.
6. **Urban Land Use Planning**
    - **Goal:** Optimize land use in urban areas.
    - **Focus:** Zoning, land use conflicts.
7. **Pedestrian and Bicycle Pathway Mapping**
    - **Goal:** Enhance pedestrian and bicycle networks.
    - **Focus:** Pathways, connectivity, safety.
8. **Urban Flood Risk Management**

- ○ **Goal:** Identify flood-prone areas in cities.
- ○ **Focus:** Drainage systems, flood history.
9. **Historic Building Preservation**
   - ○ **Goal:** Map and preserve historic buildings.
   - ○ **Focus:** Building age, architectural styles.
10. **Public Facilities Location Optimization**
    - ○ **Goal:** Optimize the placement of public facilities.
    - ○ **Focus:** Schools, hospitals, libraries.
11. **Urban Noise Pollution Mapping**
    - ○ **Goal:** Assess and map noise pollution in cities.
    - ○ **Focus:** Noise sources, affected areas.
12. **Street Lighting Efficiency Analysis**
    - ○ **Goal:** Improve street lighting in urban areas.
    - ○ **Focus:** Lighting coverage, energy consumption.
13. **Crime Mapping and Analysis**
    - ○ **Goal:** Analyze crime patterns in urban areas.
    - ○ **Focus:** Crime hotspots, prevention strategies.
14. **Water Supply Network Mapping**
    - ○ **Goal:** Map and manage urban water supply networks.
    - ○ **Focus:** Pipelines, water sources, distribution.
15. **Urban Waste Management Mapping**
    - ○ **Goal:** Optimize waste collection and disposal.
    - ○ **Focus:** Collection routes, landfill locations.
16. **Parking Space Optimization**
    - ○ **Goal:** Optimize parking space allocation in cities.
    - ○ **Focus:** Parking demand, utilization rates.
17. **Traffic Congestion Mapping**
    - ○ **Goal:** Identify and reduce traffic congestion.
    - ○ **Focus:** Traffic flow, bottlenecks, alternate routes.
18. **Urban Heat Vulnerability Mapping**
    - ○ **Goal:** Identify areas vulnerable to heat waves.
    - ○ **Focus:** Population density, temperature data.
19. **Urban Growth Prediction Modeling**
    - ○ **Goal:** Predict future urban growth patterns.
    - ○ **Focus:** Population trends, land availability.
20. **Accessibility Mapping for Disabled Individuals**
    - ○ **Goal:** Enhance city accessibility for disabled individuals.
    - ○ **Focus:** Public spaces, transportation, facilities.

3. Disaster Management (20 Projects)

1. **Earthquake Hazard Mapping**
   - ○ **Goal:** Identify areas prone to earthquakes.
   - ○ **Focus:** Fault lines, seismic activity.

2. **Tsunami Evacuation Route Mapping**
   - **Goal:** Plan safe evacuation routes.
   - **Focus:** Coastal areas, elevation data.
3. **Landslide Risk Assessment**
   - **Goal:** Map landslide-prone areas.
   - **Focus:** Slope stability, rainfall data.
4. **Emergency Response Time Analysis**
   - **Goal:** Optimize emergency response times.
   - **Focus:** Service locations, road networks.
5. **Shelter Location Optimization**
   - **Goal:** Place shelters in safe, accessible locations.
   - **Focus:** Population density, hazard zones.
6. **Disaster Recovery Planning**
   - **Goal:** Plan post-disaster recovery efforts.
   - **Focus:** Damage assessment, resource allocation.
7. **Fire Risk Mapping**
   - **Goal:** Identify areas at risk of wildfires.
   - **Focus:** Vegetation, fire history, climate data.
8. **Flood Evacuation Planning**
   - **Goal:** Plan evacuation routes for flood-prone areas.
   - **Focus:** Elevation, floodplain data.
9. **Natural Disaster Vulnerability Mapping**
   - **Goal:** Assess vulnerability to multiple disasters.
   - **Focus:** Population density, infrastructure resilience.
10. **Disaster Communication Network Mapping**
    - **Goal:** Map communication networks for disaster response.
    - **Focus:** Radio towers, emergency communication centers.
11. **Cyclone Impact Assessment**
    - **Goal:** Map areas affected by cyclones.
    - **Focus:** Wind speed, damage assessment.
12. **Volcanic Eruption Hazard Mapping**
    - **Goal:** Identify areas at risk from volcanic eruptions.
    - **Focus:** Lava flow, ashfall zones.
13. **Disaster-Prone Area Resilience Planning**
    - **Goal:** Enhance resilience in disaster-prone areas.
    - **Focus:** Infrastructure strengthening, community training.
14. **Disaster Relief Supply Chain Optimization**
    - **Goal:** Optimize the delivery of relief supplies.
    - **Focus:** Transportation routes, supply hubs.
15. **Drought Monitoring and Assessment**
    - **Goal:** Track and assess drought conditions.
    - **Focus:** Rainfall data, soil moisture levels.
16. **Disaster Risk Reduction Planning**
    - **Goal:** Develop strategies to reduce disaster risk.

- **Focus:** Vulnerability assessment, mitigation measures.
17. **Earthquake Damage Prediction Modeling**
    - **Goal:** Predict the extent of earthquake damage.
    - **Focus:** Building types, earthquake intensity.
18. **Community-Based Disaster Risk Mapping**
    - **Goal:** Engage communities in disaster risk mapping.
    - **Focus:** Local knowledge, participatory mapping.
19. **Emergency Shelter Capacity Mapping**
    - **Goal:** Assess and map shelter capacity.
    - **Focus:** Shelter locations, population at risk.
20. **Disaster Early Warning System Mapping**
    - **Goal:** Map early warning systems for disasters.
    - **Focus:** Warning coverage, alert dissemination.

4. Health and Disease Management (20 Projects)

1. **Disease Outbreak Mapping**
   - **Goal:** Track and map disease outbreaks.
   - **Focus:** Infection rates, spread patterns.
2. **Health Facility Accessibility Mapping**
   - **Goal:** Analyze accessibility of healthcare facilities.
   - **Focus:** Distance to facilities, population coverage.
3. **Environmental Health Risk Mapping**
   - **Goal:** Identify areas at risk from environmental hazards.
   - **Focus:** Pollution, exposure risk.
4. **Epidemiological Mapping**
   - **Goal:** Study disease distribution and determinants.
   - **Focus:** Disease patterns, risk factors.
5. **Vaccination Coverage Mapping**
   - **Goal:** Map vaccination rates in communities.
   - **Focus:** Coverage gaps, target populations.
6. **Healthcare Resource Allocation Mapping**
   - **Goal:** Optimize distribution of healthcare resources.
   - **Focus:** Hospital beds, medical staff, equipment.
7. **Chronic Disease Mapping**
   - **Goal:** Track the prevalence of chronic diseases.
   - **Focus:** Diabetes, heart disease, cancer.
8. **Health Infrastructure Mapping**
   - **Goal:** Map health infrastructure in rural areas.
   - **Focus:** Clinics, health posts, transport links.
9. **Vector-Borne Disease Mapping**
   - **Goal:** Track and map vector-borne diseases.
   - **Focus:** Malaria, dengue, tick-borne diseases.
10. **Health Inequality Mapping**

- ○ **Goal:** Analyze disparities in health outcomes.
- ○ **Focus:** Socioeconomic status, access to care.
11. **Public Health Risk Mapping**
    - ○ **Goal:** Identify and map public health risks.
    - ○ **Focus:** Air and water quality, sanitation.
12. **Pandemic Response Planning**
    - ○ **Goal:** Plan and map pandemic response strategies.
    - ○ **Focus:** Quarantine zones, treatment centers.
13. **Nutritional Deficiency Mapping**
    - ○ **Goal:** Track and map areas with high malnutrition rates.
    - ○ **Focus:** Nutrient intake, food availability.
14. **Health Emergency Response Mapping**
    - ○ **Goal:** Optimize emergency medical response.
    - ○ **Focus:** Ambulance routes, emergency centers.
15. **Water-Borne Disease Mapping**
    - ○ **Goal:** Track and map water-borne diseases.
    - ○ **Focus:** Contamination sources, affected areas.
16. **Mental Health Resource Mapping**
    - ○ **Goal:** Map mental health resources and access.
    - ○ **Focus:** Counseling centers, support groups.
17. **Infectious Disease Vulnerability Mapping**
    - ○ **Goal:** Identify populations vulnerable to infectious diseases.
    - ○ **Focus:** Age groups, immune-compromised individuals.
18. **Health Surveillance System Mapping**
    - ○ **Goal:** Map health surveillance networks.
    - ○ **Focus:** Data collection points, reporting channels.
19. **Telemedicine Accessibility Mapping**
    - ○ **Goal:** Assess the accessibility of telemedicine services.
    - ○ **Focus:** Internet coverage, service availability.
20. **Pharmaceutical Distribution Mapping**
    - ○ **Goal:** Optimize the distribution of medicines.
    - ○ **Focus:** Pharmacies, supply chains.

5. Agriculture and Food Security (20 Projects)

1. **Precision Agriculture Mapping**
    - ○ **Goal:** Optimize crop management using GIS.
    - ○ **Focus:** Soil moisture, crop health.
2. **Crop Yield Prediction**
    - ○ **Goal:** Predict crop yields using GIS.
    - ○ **Focus:** Weather data, soil conditions.
3. **Soil Quality Mapping**
    - ○ **Goal:** Map soil quality for agriculture.
    - ○ **Focus:** Nutrient levels, pH, moisture.

4. **Irrigation Management Mapping**
   - **Goal:** Optimize irrigation systems.
   - **Focus:** Water distribution, crop water needs.
5. **Food Insecurity Mapping**
   - **Goal:** Identify and map food-insecure areas.
   - **Focus:** Population density, food access.
6. **Agricultural Land Use Planning**
   - **Goal:** Plan optimal land use for agriculture.
   - **Focus:** Crop suitability, land availability.
7. **Farming System Analysis**
   - **Goal:** Analyze and map different farming systems.
   - **Focus:** Crop rotation, organic farming.
8. **Agricultural Supply Chain Mapping**
   - **Goal:** Optimize agricultural supply chains.
   - **Focus:** Transportation, storage, market access.
9. **Pest and Disease Mapping**
   - **Goal:** Track agricultural pests and diseases.
   - **Focus:** Pest distribution, outbreak hotspots.
10. **Livestock Management Mapping**
    - **Goal:** Optimize livestock management.
    - **Focus:** Grazing patterns, feed availability.
11. **Agroforestry Mapping**
    - **Goal:** Map and manage agroforestry systems.
    - **Focus:** Tree species, crop integration.
12. **Agricultural Water Resource Mapping**
    - **Goal:** Map and manage water resources for agriculture.
    - **Focus:** Irrigation, water conservation.
13. **Climate-Smart Agriculture Mapping**
    - **Goal:** Implement climate-smart practices.
    - **Focus:** Drought-resistant crops, sustainable practices.
14. **Fertilizer Application Optimization**
    - **Goal:** Optimize fertilizer use in agriculture.
    - **Focus:** Soil nutrient mapping, crop needs.
15. **Farmers' Market Mapping**
    - **Goal:** Map and analyze farmers' markets.
    - **Focus:** Market locations, accessibility.
16. **Agricultural Risk Mapping**
    - **Goal:** Identify and map agricultural risks.
    - **Focus:** Climate risks, market volatility.
17. **Sustainable Agriculture Practices Mapping**
    - **Goal:** Promote sustainable farming practices.
    - **Focus:** Conservation tillage, organic farming.
18. **Post-Harvest Losses Mapping**
    - **Goal:** Identify and reduce post-harvest losses.

- ○ **Focus:** Storage facilities, transportation routes.
19. **Food Distribution Mapping**
    - ○ **Goal:** Optimize food distribution networks.
    - ○ **Focus:** Supply chains, food deserts.
20. **Agricultural Land Degradation Mapping**
    - ○ **Goal:** Map and combat land degradation.
    - ○ **Focus:** Soil erosion, desertification.

6. Transportation and Logistics (20 Projects)

1. **Traffic Flow Analysis**
    - ○ **Goal:** Analyze and optimize traffic flow.
    - ○ **Focus:** Congestion points, traffic patterns.
2. **Route Optimization for Logistics**
    - ○ **Goal:** Optimize transportation routes for logistics.
    - ○ **Focus:** Delivery times, fuel efficiency.
3. **Public Transport Network Mapping**
    - ○ **Goal:** Analyze and improve public transport networks.
    - ○ **Focus:** Routes, service coverage.
4. **Accident Blackspot Mapping**
    - ○ **Goal:** Identify and map road accident hotspots.
    - ○ **Focus:** Accident data, road conditions.
5. **Bicycle Pathway Network Mapping**
    - ○ **Goal:** Map and optimize bicycle pathways.
    - ○ **Focus:** Connectivity, safety.
6. **Freight Transportation Optimization**
    - ○ **Goal:** Optimize freight transport logistics.
    - ○ **Focus:** Route planning, cargo management.
7. **Parking Space Availability Mapping**
    - ○ **Goal:** Analyze parking space availability in urban areas.
    - ○ **Focus:** Demand, utilization rates.
8. **Airport Accessibility Mapping**
    - ○ **Goal:** Map and improve airport accessibility.
    - ○ **Focus:** Road access, public transport links.
9. **Road Maintenance Prioritization**
    - ○ **Goal:** Prioritize road maintenance activities.
    - ○ **Focus:** Road conditions, traffic volumes.
10. **Maritime Navigation Route Mapping**
    - ○ **Goal:** Optimize maritime navigation routes.
    - ○ **Focus:** Shipping lanes, port access.
11. **Railway Network Optimization**
    - ○ **Goal:** Optimize railway networks.
    - ○ **Focus:** Train schedules, track maintenance.
12. **Pedestrian Safety Mapping**

- ○ **Goal:** Enhance pedestrian safety in urban areas.
- ○ **Focus:** Crosswalks, traffic signals.
13. **Emergency Vehicle Routing**
    - ○ **Goal:** Optimize routes for emergency vehicles.
    - ○ **Focus:** Response times, road networks.
14. **Transit-Oriented Development Mapping**
    - ○ **Goal:** Plan developments around transit hubs.
    - ○ **Focus:** Housing, commercial spaces.
15. **Supply Chain Vulnerability Mapping**
    - ○ **Goal:** Identify vulnerabilities in supply chains.
    - ○ **Focus:** Transportation routes, chokepoints.
16. **Electric Vehicle Charging Station Mapping**
    - ○ **Goal:** Plan and map EV charging stations.
    - ○ **Focus:** Location demand, accessibility.
17. **Public Transport Accessibility for Disabled**
    - ○ **Goal:** Improve accessibility of public transport.
    - ○ **Focus:** Infrastructure, service availability.
18. **Air Traffic Management Optimization**
    - ○ **Goal:** Optimize air traffic management.
    - ○ **Focus:** Flight paths, airport congestion.
19. **Port and Harbor Management Mapping**
    - ○ **Goal:** Optimize port and harbor operations.
    - ○ **Focus:** Shipping lanes, docking facilities.
20. **Transport Emission Mapping**
    - ○ **Goal:** Analyze and reduce transport emissions.
    - ○ **Focus:** Emission hotspots, pollution sources.

7. Land Use and Zoning (20 Projects)

1. **Zoning Regulation Compliance Mapping**
    - ○ **Goal:** Ensure compliance with zoning regulations.
    - ○ **Focus:** Land use, zoning codes.
2. **Land Use Conflict Analysis**
    - ○ **Goal:** Identify and resolve land use conflicts.
    - ○ **Focus:** Urban vs. rural, residential vs. industrial.
3. **Agricultural Land Zoning Mapping**
    - ○ **Goal:** Optimize agricultural land zoning.
    - ○ **Focus:** Crop suitability, soil quality.
4. **Urban Expansion Analysis**
    - ○ **Goal:** Analyze and plan for urban expansion.
    - ○ **Focus:** Land availability, infrastructure needs.
5. **Residential vs. Commercial Zoning Mapping**
    - ○ **Goal:** Balance residential and commercial land use.
    - ○ **Focus:** Zoning laws, land demand.

6. **Green Belt Zoning and Management**
   - **Goal:** Protect and manage green belts.
   - **Focus:** Zoning laws, land use restrictions.
7. **Industrial Zoning Optimization**
   - **Goal:** Optimize industrial zoning regulations.
   - **Focus:** Pollution control, land suitability.
8. **Historic Preservation Zoning Mapping**
   - **Goal:** Map and preserve historic sites.
   - **Focus:** Zoning laws, heritage sites.
9. **Floodplain Zoning Regulation**
   - **Goal:** Implement floodplain zoning regulations.
   - **Focus:** Flood risk, land use planning.
10. **Tourism Zoning and Development**
   - **Goal:** Plan and manage tourism zones.
   - **Focus:** Attractions, infrastructure.
11. **Housing Density Mapping**
   - **Goal:** Analyze and optimize housing density.
   - **Focus:** Land use, zoning laws.
12. **Urban Sprawl Analysis**
   - **Goal:** Study and control urban sprawl.
   - **Focus:** Land use, infrastructure, zoning.
13. **Land Use Planning for Natural Disasters**
   - **Goal:** Plan land use to mitigate natural disasters.
   - **Focus:** Zoning laws, disaster risk areas.
14. **Mixed-Use Development Mapping**
   - **Goal:** Plan and promote mixed-use developments.
   - **Focus:** Zoning regulations, land use.
15. **Land Use Policy Impact Analysis**
   - **Goal:** Analyze the impact of land use policies.
   - **Focus:** Zoning changes, urban development.
16. **Urban Redevelopment Planning**
   - **Goal:** Plan and map urban redevelopment projects.
   - **Focus:** Land use, infrastructure needs.
17. **Land Use Change Detection**
   - **Goal:** Detect and map land use changes.
   - **Focus:** Remote sensing, urban expansion.
18. **Rural Land Zoning Optimization**
   - **Goal:** Optimize rural land zoning practices.
   - **Focus:** Agriculture, conservation, development.
19. **Zoning for Public Facilities**
   - **Goal:** Plan zoning for public facilities.
   - **Focus:** Schools, hospitals, parks.
20. **Zoning for Renewable Energy Projects**
   - **Goal:** Plan and map zoning for renewable energy.

- ○ **Focus:** Wind farms, solar fields.

8. Emergency Management and Disaster Response (20 Projects)

1. **Disaster Risk Mapping**
   - ○ **Goal:** Identify areas at risk of natural disasters.
   - ○ **Focus:** Earthquakes, floods, hurricanes.
2. **Emergency Shelter Location Mapping**
   - ○ **Goal:** Optimize emergency shelter locations.
   - ○ **Focus:** Accessibility, capacity, safety.
3. **Evacuation Route Planning**
   - ○ **Goal:** Plan and map evacuation routes.
   - ○ **Focus:** Road networks, hazard zones.
4. **Disaster Response Resource Mapping**
   - ○ **Goal:** Map resources for disaster response.
   - ○ **Focus:** Equipment, personnel, logistics.
5. **Flood Risk Mapping**
   - ○ **Goal:** Identify and map flood-prone areas.
   - ○ **Focus:** Floodplains, drainage systems.
6. **Wildfire Risk Mapping**
   - ○ **Goal:** Map areas at risk of wildfires.
   - ○ **Focus:** Vegetation, weather conditions.
7. **Earthquake Hazard Mapping**
   - ○ **Goal:** Identify and map earthquake-prone areas.
   - ○ **Focus:** Fault lines, building codes.
8. **Disaster Preparedness Mapping**
   - ○ **Goal:** Map and enhance disaster preparedness.
   - ○ **Focus:** Community plans, resource allocation.
9. **Post-Disaster Damage Assessment Mapping**
   - ○ **Goal:** Map damage and recovery efforts.
   - ○ **Focus:** Affected areas, infrastructure damage.
10. **Hurricane Impact Mapping**
    - ○ **Goal:** Analyze and map hurricane impacts.
    - ○ **Focus:** Affected regions, storm surges.
11. **Tsunami Evacuation Mapping**
    - ○ **Goal:** Plan and map tsunami evacuation routes.
    - ○ **Focus:** Coastal areas, high ground access.
12. **Landslide Risk Mapping**
    - ○ **Goal:** Identify and map landslide-prone areas.
    - ○ **Focus:** Slope stability, soil composition.
13. **Volcanic Eruption Hazard Mapping**
    - ○ **Goal:** Map hazards from volcanic eruptions.
    - ○ **Focus:** Lava flows, ashfall, lahars.
14. **Severe Weather Monitoring and Mapping**

- ○ **Goal:** Monitor and map severe weather events.
- ○ **Focus:** Tornadoes, thunderstorms, blizzards.

15. **Disaster Communication Network Mapping**
    - ○ **Goal:** Map communication networks for disasters.
    - ○ **Focus:** Radio, cellular, satellite systems.

16. **Floodplain Management Mapping**
    - ○ **Goal:** Manage and map floodplain areas.
    - ○ **Focus:** Land use, development restrictions.

17. **Hazardous Material Spill Mapping**
    - ○ **Goal:** Map and manage hazardous material spills.
    - ○ **Focus:** Incident locations, response efforts.

18. **Storm Surge Mapping**
    - ○ **Goal:** Map and analyze storm surge risks.
    - ○ **Focus:** Coastal areas, flood risks.

19. **Disaster Recovery Planning**
    - ○ **Goal:** Plan and map disaster recovery efforts.
    - ○ **Focus:** Resource allocation, rebuilding strategies.

20. **Community Resilience Mapping**
    - ○ **Goal:** Enhance community resilience to disasters.
    - ○ **Focus:** Vulnerable populations, preparedness.