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Introduction to Environmental Assessment

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Introduction

- Overview of EIA, SEA, and their role in planning
- Steps, legal frameworks, and stakeholders involved

Strategic Environmental Assessment (SEA) in Urban Planning

- How SEA supports sustainability in policies, plans, and programs

Environmental Impact Assessment (EIA) for Infrastructure Projects)

- Case study-based: highways, dams, or airports
- Emphasis on mitigation and stakeholder engagement

Cumulative and Transboundary Environmental Assessments

- How to address overlapping impacts and cross-border effects

Environmental Planning and the SDGs

- Linking assessments to goals like climate action, water, and biodiversity

Applied & Case-Based Topics

- Environmental Planning in Coastal Cities
- Sea-level rise, tourism, land use, and ecosystem conservation
- Green Urban Planning: Tools and Practices
- Green belts, zoning for sustainability, urban forests
- SEA in National Transport or Energy Planning
- Real-world examples (e.g., European Union, Southeast Asia)

The Role of GIS and Remote Sensing in Environmental Assessment

- Mapping, modeling, and predicting environmental change

Public Participation in Environmental Planning

- Tools for engagement: workshops, citizen science, consultations

Challenges in Environmental Assessment in Developing Countries

- Institutional, technical, and legal gaps

Thank you for your attention!