

土地使用與公共設施計劃【3】

主題：土地使用規劃方案之規劃前準備工作—規劃支援系統

規劃資訊系統 (Planning Support Systems, PSS) 的定義與系統目標

- From PIS(information) to PSS(intelligence)
- PSS：一組由軟硬體、土地使用相關資料、操作人員所組成，藉以提供土地使用規劃工作中相關的規劃情報(planning intelligence)，包括敘述性、預測性及規範性。
- Collective design, social interaction, interpersonal communication, and community debate
- Basic technologies: GIS, Internet, Analytic models, visualization and communication programs
- Functions: description, monitoring, forecast, diagnosis, assessment, modeling, and communication

Geographic Information Systems, GIS

1. System elements
2. related technologies: GPS and RS
3. data formats: raster/vector, spatial/attribute, thematic layers
4. spatial unit：都市區域、都市化地區、規劃地區與研究地區、規劃分區

Analytic Models

1. scenario and simulation
2. what-if questions
3. statistic packages, models, and spreadsheet

Internet

1. digital divide
2. decrease face-to-face communication
3. PPGIS: public participation GIS

Visualization and Communication Programs

1. planning, communication, and visualization
2. LIDAR, GPS, and high resolution DEMs