Geoinformatics

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Preface

Hundreds of thousands of organizations in virtually every field are using Geoinformatics to make maps that communicate, perform analysis, share information, and solve complex problems around the world. Geoinformatics basically deals with geographic information system (GIS), a spatial system that creates, manages, analyzes, and maps all types of data. Every day, GIS powers millions of decisions around the world. It makes a big impact on our lives and you might not even realize it.
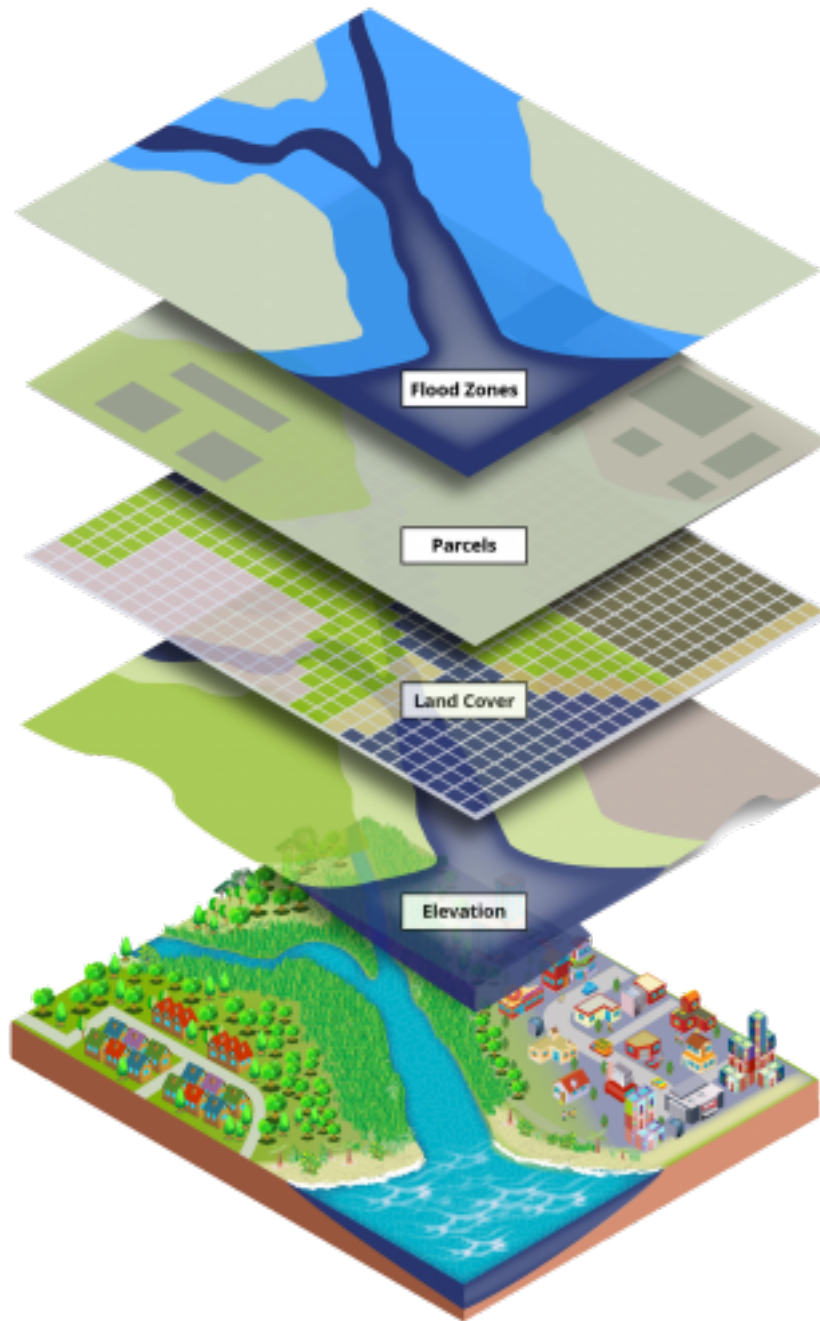
Figure 0.1: Geographic Information System

1 Introduction to GIS

2 GIS for Economics (New information provision)

3 GIS for Economics

4 GIS for biodiversity management

5 GIS for natural resource management

6 Spatial data collection, storage and management

7 Spatial data visualization

8 Spatial data process

9 Spatial data create

10 Spatial data analyze

11 Social applications of GIS

12 GIS to solving real world problem (Nankai trough hazard map 1)

13 GIS to solving real world problem (Nankai trough hazard map 1)

14 GIS to solving real world problem (CO_2emission)

15 GIS to solving real world problem (Biodiversity)

References