Handbook for Geospatial Best Practices for Land Administration

The Tools, Methodologies, Applications, and Rationales.

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OUTLINE:

Introduction

Intent of the Handbook; target audience
Premise of the need for the Handbook
The profession of Land Administration

Chapter One: Geospatial Data and Information

What is Geospatial Data?
Special qualities of geospatial data and information (What's So Special About Spatial?)
Accuracy, Precision and Resolution
Applications of Accuracy and Precision in Land Governance
Vector and Raster; Points, Lines and Areas
Absolute Accuracy and Relative Accuracy

Chapter Two: The Processes of Location

Land Surveying Instruments; Electro-Optical and GPS
Mapping; Corrected GPS and handheld GPS
Aerial Imagery
Satellite Imagery
Field mapping with Imagery
Tablets vs. Printed Maps
UAVs, Drones

Chapter Three: Land Registries and GIS

GIS

Land Registries
Bringing In the Data
Blending Diverse Data Sets
How to digitize Paper Records.

Chapter Four: Optimal Geosptialism for Land Administration

Community registration
Assorted Best Practices:
Effective GPS Mapping
Imagery Editing
3 Key Geospatial Analysis Tools
Ten Rules for Optimizing Geospatialism