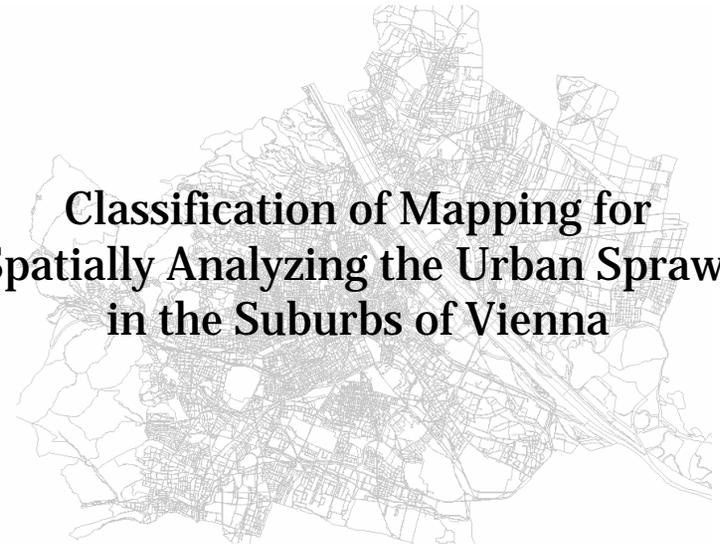


Student Exchange Program at Vienna University of Economics and Business Administration

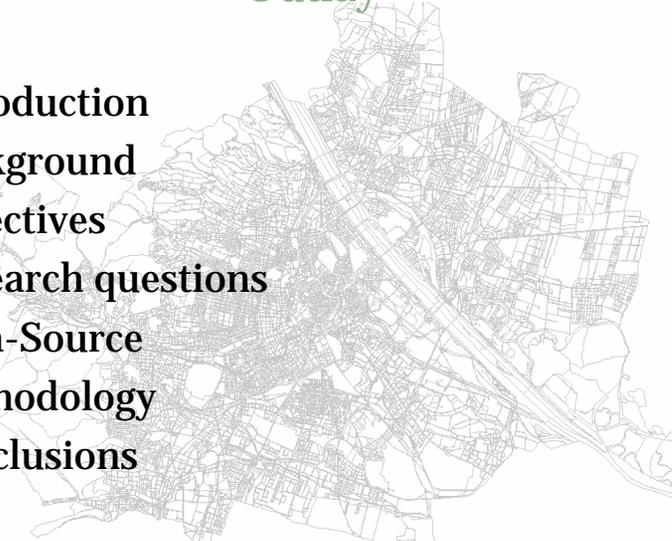
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Classification of Mapping for Spatially Analyzing the Urban Sprawl in the Suburbs of Vienna



Outlay

- Introduction
- Background
- Objectives
- Research questions
- Data-Source
- Methodology
- Conclusions



Introduction

- Growing in one of the most urban developed, crowded, and problematic cities in the world (Mexico City)
- Observing the fairly new developed American cities issues and limitations in Urban Sprawl (e.g. geographical limitations, car-oriented, transportation, non-pedestrian friendly)
- European cities as models for new developing cities in America
- Property value and land control



Background



Vienna, Austria	Denver, Colorado	Philadelphia, Pennsylvania	Greater Orlando, Florida	Mexico City, Mexico
414.90 km ²	401.3 km ²	349.6 km ²	191/km ²	1,499 km ²
160.2 sq mi	154.9 sq mi	135 sq mi	494.8/sq. mi.	578.77 sq mi
1,681,469	588,349	1,449,634	2,032,496	8,720,916

Objective

- To identify what are the implications (if any) of land value that affect the urban and economic sprawl in the suburbs of Vienna
- To produce data sets based on Geographical Information Systems (GIS) that enables analyzing the factors and trends of the urban and economic sprawl in the suburbs of Vienna through time
- To understand and learn from the implications of land value/control in order to implement them in new urbanizations projects in American cities



Research Questions

- 1) What are the factors (i.e. land value, density, land use, economic development, open spaces, preservation sites, geographical limitations, etc.), that effect/contribute in the urban sprawl in the study area?
- 2) Implication of land value/use in the urban sprawl in the suburbs of Vienna?
 - 2.1) Is there any correlation between land value and urban sprawl?

Variables

- Land Value
- Land Use
- Land Control
- Transportation
- Economic Development
- Density
- Growth Management
- Migration

Data-Source

- Census data
- Historical data
- Assistance on literature related to urban and economic sprawl in the study area
- Data sets available at the hosting University
- Government database
- Use of Geographical Information Systems (GIS)

Methods-approach

- **First Phase**
 - Data collection
 - Literature research
 - Analysis of quantitative data (census, etc.)
- **Second Phase**
 - Analysis of data
 - Interpretation of results
 - Conclusions
- **Time estimated: Spring semester 2009**

Conclusion

Interpretation of :

- Factors that affect the urban sprawl in the suburbs of Vienna, if any
- Implications of land value/control in urban sprawl
- Spatially represent the typology of trends throughout time
- Implement the trends in American cities with similar characteristics than the study area

