SHAPING THE CITYSCAPE.

RELATIONS, IMPLICATIONS AND TRAJECTORIES OF COMMERCIAL ORGANIZATION ON URBAN STRUCTURE

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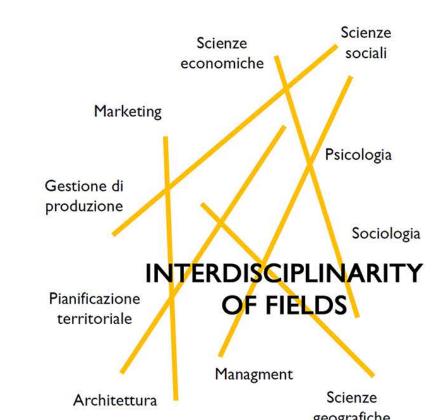




INTRODUCTION AND RESEARCH QUESTIONS

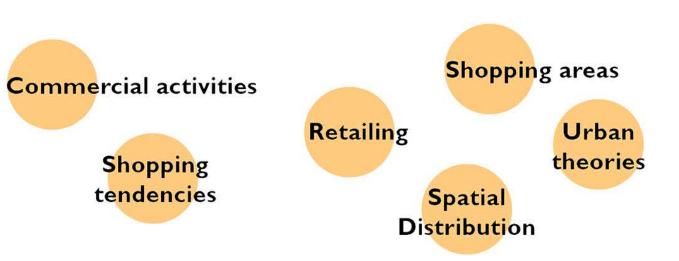
Recently within the city there has been a deep change in the location and structuring of commercial activities, those fundamental to the functioning of the urban organism. Along with a spatial phenomenon such as the physical shift of commerce from the city center to suburban areas - the transition from neighbourhood trade to medium distribution, then to the large distribution and to peripheral shopping centers - an a-spatial phenomenon is added, that is the transition of trade from classical to hybrid forms, characterized by the digitalization and de-materialization of the space of purchase. The coexistence of these phenomena is creating a structure of complex representation, especially in terms of urban location, urban form and management of urban space. Firstly, the research aims to answer the following questions: "What processes occurs in the city and how have they changed and will change the urban structure? How will the new districts perform, especially the existing city - the old town, the consolidated city, the urban and metropolitan belts?" Both a spatial analysis of the organization of commercial activities and an economic-functional analysis of distribution models determine the development of a model whose knowledge can be an operational tool for spatial planning and urban management.

- WHICH RELATIONSHIP BETWEEN DISTRIBUTION OF COMMERCIAL **ACTIVITIES AND URBAN STRUCTURE OF THE CITY?**
- HAVE LARGE/MEDIUM DISTRIBUTION FIRST AND MODELS OF E-COMMERCE THEN PRODUCED CHANGES IN INDIVIDUAL PREFERENCES, EFFECTING THE FORM OF THE CITY?
- WHICH RELATIONSHIPS BETWEEN THE ADAPTING PROCESS OF TRADING DISTRIBUTION AND THE USE OF URBAN SPACE?



METHODOLOGY

FRAMING THE TOPIC

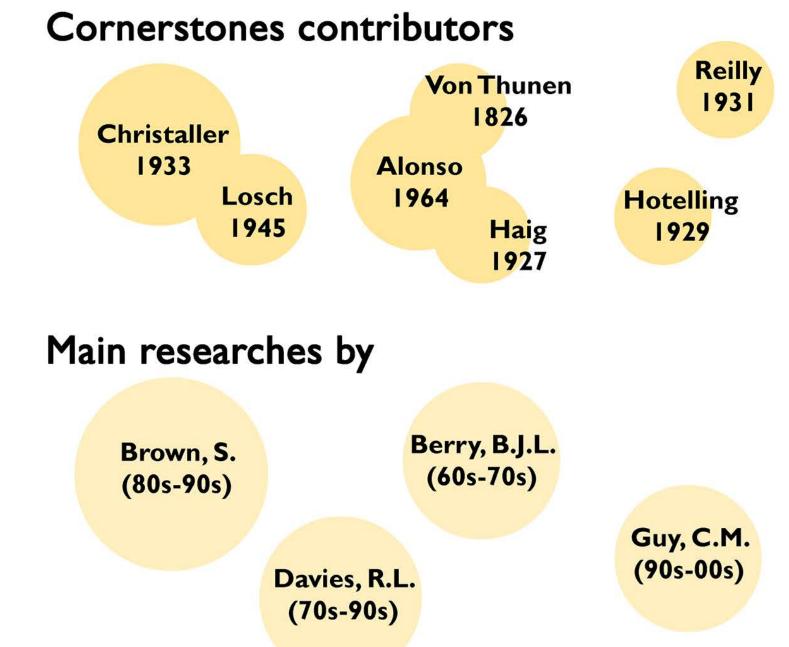


"RETAIL GEOGRAPHY"

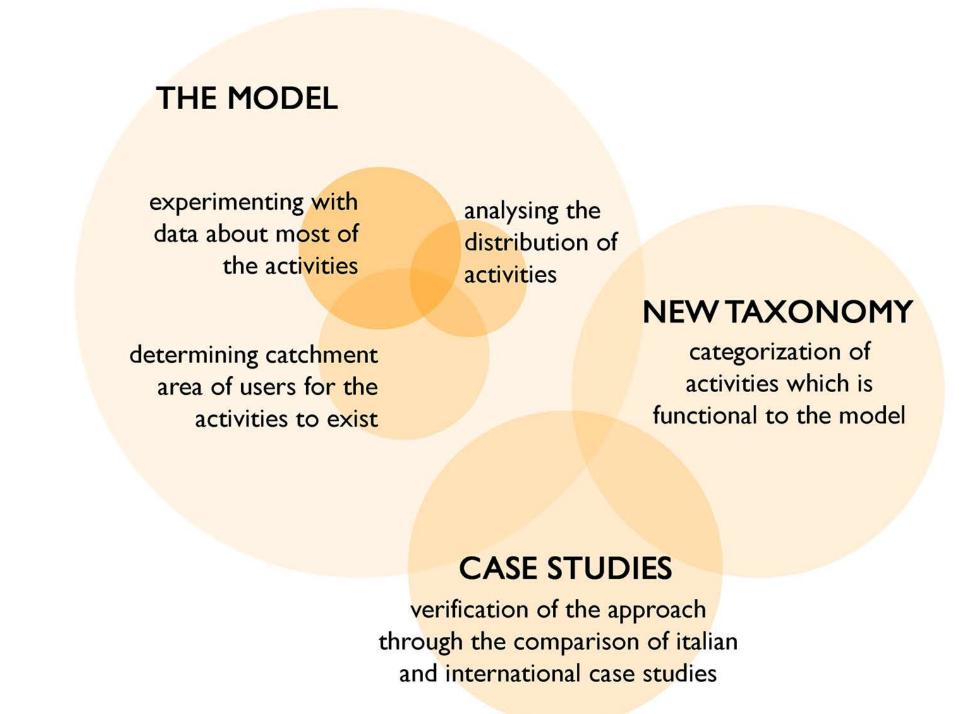
The terms emerged in the 60s thanks to the contribution of B.J. Berry (1963) from Chicago University. It is defined as: "the study of spatial patterns of retail and consumer behavior, which includes which took both its economic and cultural dimensions seriously. In this way, retail capital can structure spaces, defining our urban spaces with shopping streets, markets, and malls, but is also configured by socio-spatial processes." (International Encyclopedia of Human Geography, 2009)

FROM contemporary contributions of different field of study, intersecting the theme of research TO the specific field of research and cornerstones contributors

LITERATURE REVIEW



MODEL AND CASE STUDIES



LITERATURE REVIEW AND FIRST RESULTS

APPROACHES

PRINCIPLE OF MINIMUM DIFFERENTIATION (Hotelling, 1929)

SPATIAL INTERACTION THEORY

(Reilly, 1931)

NEOCLASSICAL APPROACH

(50s-60s)

CENTRAL PLACE THEORY (Christaller, 1933;

Losch, 1945)

URBAN HIERARCHY

It is an economic model able to explain the

localization pattern of markets/production

centers in market areas aimed at local con-

sumption, which, for each good or service,

are defined as hexagonal forms.

BID **RENT THEORY** (Haig, 1927; Alonso, 1964)

CENTRAL BUSINESS DISTRICT (CBD) In this model land use is a function of distance to the center of the city as a solution of an economic equilibrium for the market for space. Urban land rents decline with distance from the center of

Retail unit Bid rent Manufacturing unit the market. Bid rent Function Residential unit Bid rent

GUY, C.M. 1998

CLASSIFICATION

Analysing and summarizing main contributions by Berry, B.J.L., Brown, S. and Davies, R.L.

RETAIL OUTLETS

SHOPPING CENTRES

CLASSIFICATIONS BY: type of goods (goods, business) quantity of goods

shopping trip purpose size of store type/physical form of store

store ownership/tenancy

CO-EXISTENCE

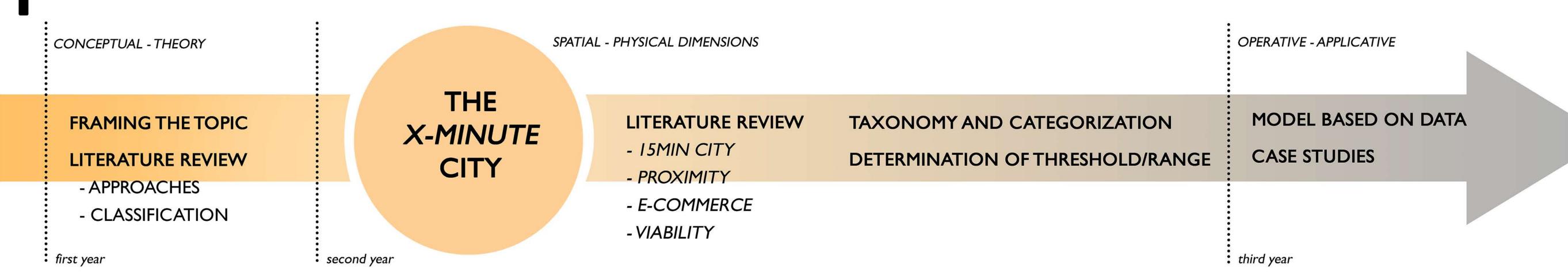
of different but equal classifications, depending on the model they are functional to

defining a TAXONOMY which classification of the activities is functional to the proposed model and approach

THRESHOLD

RANGE defining a MODEL OF APROACH based on Christaller's Theroy in order to determine the cathement basin of users of each activity

WHAT'S NEXT



ACTIVITIES AND PUBLICATIONS

PARTICIPATION TO

EUROPEAN PROJECT DUT - DRIVING URBAN TRANSITION - 15MIN CITY

XXV CONFERENZA **SIU2023** | 15-16 GIUGNO 2023, CAGLIARI (CA) WORKSHOP YOUNGERSIU2023 13-14 GIUGNO 2023, CAGLIARI (CA) XLIV CONFERENZA AISRE2023 | 6-8 SETTEMBRE 2023, NAPOLI (NA)

PUBLICATIONS

Ruffini L., Rusci S., (2023). Obsolescenza urbana. Verso una tassonomia come strumento di gestione per il patrimonio esistente. Proceedings of SIU2023, Cagliari (CA) 15-16 June 2023

Rusci S., Ruffini L. (2023) La produzione dell'obsolescenza urbana: effetti dei cicli economici e spaziali sul patrimonio costruito. ASUR - Rivista di Studi Urbani e Regionali. (peer reviwed)

REFERENCES

Araldi, Fusco (2019) Retail Fabric Assessment: Describing retail patterns within urban space. Cities, 85 Berry (1963). Commercial structure and commercial bright: retail patterns and process in the City of Chicago. Brown (1987) A perceptual approach to retail agglomeration

Cachinho(2014) Consumerscapesand the resilience assessment of urban retail systems. Cities, 36 Camagni (1993). Principi di economiaterritorial e urbana.

Christaller (1933) Central Places in Southern Germany. Davis (1972) Structural models of retail distribution

Brown (1991) Retail location. The post hierarchical challenge

Evans (1985). Economia urbana Guy (1998) Classifications of retail stores and shopping centres

Guy, (2007) Planning for Retail Development_ A Critical View of the British Experience Haig (1927) Regional survey of New York and its environs Hotelling(1929) Stability in competition

Krizanet al. (2018) Spatial distribution of consumer preferences: Case study of shopping malls in Bratislava. Theoretical and Empirical Researches in Urban Management Maraschin, Krafta(2013). Growth dynamic of retail locations: a methodological approach using a logistic model. European Journal Geography Nacar, Ozdemir (2022) From Commerce to E-Commerce and Social Commerce: How Global? How Local?. In Industry 4.0 and Global Businesses: A Multidisciplinary Investigation by E. Yakut, Emerald Publishing.

Reilly (1931) The law of retail gravitation Yang et al. (2019) Understanding urban sub-centers with heterogeneity in agglomeration economies. Cities, 86

Yoshimura et al. (2021) Spatial clustering: Influence of urban street networks on retail sales volumes. EPB: Urban Analytics and City Science,