### **URBAN COMPETITIVENESS:**

## A Global and for Mexico Perspective

# Jaime Sobrino (coordinator)

Translation by Olivia Rodríguez and Isela Orihuela



EL COLEGIO DE MÉXICO

### **CONTENTS**

Introduction	13
Jaime Sobrino	
CONCEPTUAL AND METHODOLOGICAL APPROACHES	
TO URBAN COMPETITIVENESS	33
I. Urban competitiveness: a review of theory and	
practice	35
Peter Kresl	
Introduction	35
Benchmarking	36
Regression analysis	38
Aspect analysis	40
What is our future?	41
II. The city as productive force: economic development	
and competitiveness	47
Gustavo Garza	
Introduction	47
New urban economics and the new economic	
geography	52
City as a productive force	66
Infrastructure and urban competitiveness	74
Final remarks	82

III. Long-run and short-run factors in urban	
competitiveness	87
William Lever	
Introduction	87
Worldwide centers of commerce	89
Fifty top cities	91
Variables driving the ranking	94
Short-run changes in rankings	99
Conclusion	106
Competitive performance	
OF <b>M</b> EXICAN CITIES	107
IV. Urban competitiveness: the status of Mexican	
cities among world cities	109
Ni Pengfei	
Introduction	109
Conceptual framework and analysis method	109
Results: urban competitiveness in the world	
and position of mexican cities	113
Policy suggestions for promoting urban	
competitiveness	120
Conclusions	129
V. Competitiveness among Latin American	
metropolitan areas	133
Nelson Manzano	
Introduction	133
Importance of the Latin American economy and	
its largest metropolitan areas	134
Some regularities among variables associated	
with competitiveness	140
A comparison of economic performance	147
Urban competitiveness factors	154
Conclusions	163

VI. The Free Trade Agreement and urban	
competitiveness in North America	169
Jaime Sobrino	4.00
Introduction	169
Macroeconomic synchrony and sectorial	150
change	172
The behavior of exports and the limits	100
of NAFTA	180
Territorial concentration of economic activity NAFTA and the economic performance	187
of mexican cities	193
Final remarks: NAFTA and its implications	190
for the urban competitiveness of Mexico	198
for the diban compensiveness of Mexico	190
VII. Territory and urban competitiveness in Mexico	207
Enrique Cabrero and Isela Orihuela	
Introduction	207
The importance of territory	208
The model	211
Regional distribution od urban competitiveness	213
Profiles of cities by region	225
Final remarks	232
VIII. Efficiency indicators of the electronics cluster	
in Mexico	237
Alejandro Dávila and Xanin García	201
Introduction	237
The electronics industry	238
Methodology	243
Results	244
Indexes weighted by employment and	
added value	249
Conclusions	252

COMPETITIVENESS, LOCAL GOVERNMENTS AND PUBLIC POLICIES	255
IX. Urban competitiveness and sustainable territorial	
development: the need for new perspectives on	
metropolitan governance	257
Alexander Otgaar, Leo van den Berg,	
Jan van der Meer and Carolien Speller	
Introduction	258
Defining metropolitan governance	262
Scope and scale	263
The economic rationale for developing coalitions The performance of metropolitan governance	270
coalitions	278
Concluding remarks	283
X. The Canadian urban system, municipal expenditures,	
and urban development strategies	287
Pierre-Paul Proulx	
Introduction: cities in a world context, towards an	
operational network	287
The Canadian urban system: population and	
public finances	292
How to finance municipal governments	302
Concluding remarks	317
XI. Urban competitiveness in Italy: a benchmarking	
and benchlearning approach to support local	
governments decisions	323
Stefano Mollica and Giovanna Hirsch	
Introduction	323
Urban competitiveness: a tricky concept	326
Building a useful tool for local government	
decision making	330
A benchmarking and benchlearning approach	337

An application: first empirical results Conclusion	$\begin{array}{c} 340 \\ 342 \end{array}$
XII. Competitiveness, innovation and territory in San Luis Potosí: strengths and weaknesses of	
a learning city-region	343
Adrián Moreno	
Introduction	343
Regional Innovation Systems: basic concepts	
and experiences in the global context	345
Geopolitical context of theRIS in the	
Center-West region of Mexico	351
Strenghts and weeakness of the CWR as	
a learning region	355
San Luis Potosí's RIS (SLP-RIS):	
characteristics, problems and challenges	358
Conclusions	362
XIII. Policies and instruments for Mexico City's	
competitiveness	371
Laura Velázquez	
Introduction	371
Mexico City and national development	372
Competitiveness policies in Mexico City	376
Final remarks	383
General bibliography	385

#### INTRODUCTION

Jaime Sobrino\*.

T

The concentration of population and economic activities in cities is a distinctive quality of the capitalism production system. In both developed and developing countries the urban systems have a small number of urban areas which concentrate an important amount of the goods and services produced in the country, have different rates of growth, and display differences in the living conditions of their resident populations. In Mexico, the five largest metropolitan areas concentrate 29% of the national population and 45% of the gross domestic product (2005). These percentages were 17% and 25% in United States and 43% and 54% in Japan, respectively.

The paradigm of competitiveness is one of several study perspectives used to analyze the differentials in economic behavior of nations and cities during globalization. Conceptual and methodological advances have been made in terms of quantitative and qualitative measurement of economic performance, the factors that stimulate or inhibit competition between territories and the effects of the attraction of investment on the local labor market, social cohesion, governance and sustainability.

<sup>&</sup>lt;sup>□</sup> El Colegio de México. Translated by Olivia Rodríguez.

Competitiveness is not an easily definable and measurable concept, due to its multi-faceted nature which includes its causes (or determiners), the process of competition itself (rivalry among economic or spatial units) and the consequences (effects on micro- and macro-economic development). Likewise, attempts have been made to relate the economic performance of a country with the population's socioeconomic evolution, establishing a normative link between success in the insertion into world markets and the improvement in the living conditions of the resident population ((Bannock, Baxter and Davis, 1998; Fajnzylber, 1988; Prestowitz, 1994; Sachs, 1996).

On the other hand, urban competitiveness is a concept which has not escaped controversy: Paul Krugman maintained that competition only occurred among enterprises, thus cities did not compete with each other, but operated solely as the locations for investments and productive units (Krugman, 1994). Others, however, have proclaimed the relevance of the urban competitiveness concept, a position shared by the writer of this introduction. It has been defined as: the capacity of cities to attract productive investments (Lever and Turok, 1999); as the change in its economic position within a national or international urban system (Begg, 1999), or even as the interrelation between local economic performance and other social, political and environmental manifestations of urban life (Body, 2002; Potts, 2002; Harding, 2005).

From a strictly economic perspective, urban competitiveness includes three moments for the growth and prosperity of a city (Figure 1).

Initially, as regards competition, cities compete for the attraction of productive investments, whether public or private, and for national or foreign capital. These investments increase the city's fixed capital and can be oriented towards the construction of infrastructure or amenities,

Figure 1. Moments of urban competitiveness

Factors	Competition		Outputs
Competitiveness	Attract	on	Macronomic
advantage	of investi	nent	performance
Bussiness Institutional	Private Pr	ıblic	Productivity
Territorial Distributive			Employment
			Local economic structure

Source: adapted from Begg, 1999, p. 802.

the production of goods or services, the use of resources for touristic aims, or the organization and development of sports or cultural events.

Success or failure in attracting productive investments is subject to a series of factors, which constitute the second moment and have received the name of competitive advantages (Begg, 1999; Healey and Dunham, 1994; Kresl, 1995; Porter, 1996). Competitive advantages can be divided into two major categories (Turok, 2005): i) related to size and ii) based on quality.

The competitive advantages related to size bring together territorial and distributive attributes of the city (Sobrino, 2006), which operate under the principle of agglomeration economies, or general conditions of production, such as externalities generated by the scale, scope and complexity of the urban zone. These advantages have to do with the size of the urban labor market: access to raw materials, better transport and communications facilities, the conditions for mobilizing other urban areas in the country or abroad and greater flows of information and ideas. Cities do not require a particular organization to offer these advantages, nor do they require cooperation among economic units or social agents.