



III Coloquio Internacional Las paradojas de la Megalópolis: Gobernar la incertidumbre

Mesa redonda 6: Incertidumbres del
desarrollo económico en las Megalópolis

Ciudades innovadoras: Sus características disruptivas

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Análisis de los fenómenos de la sociedad

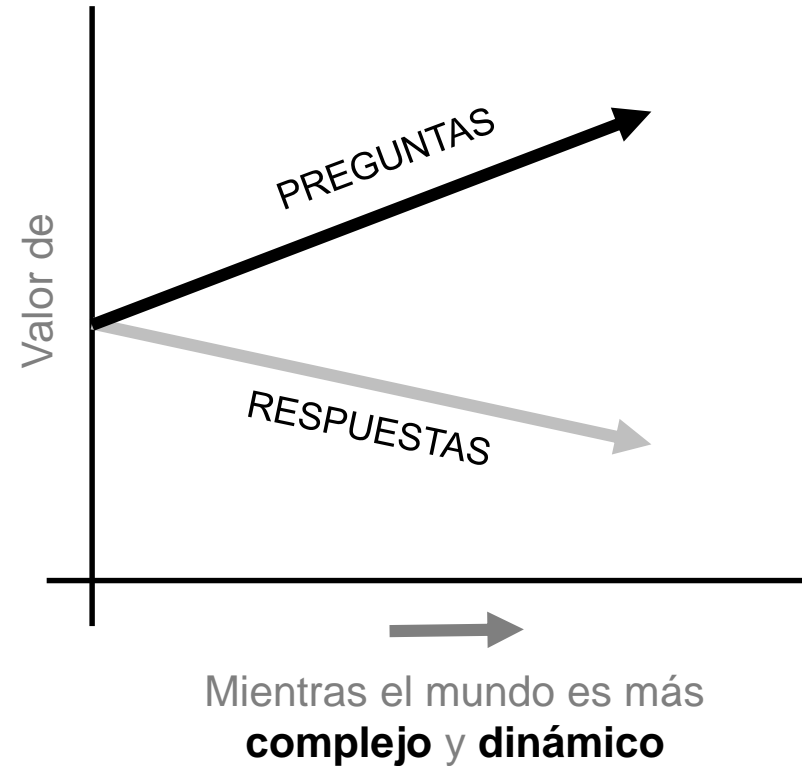
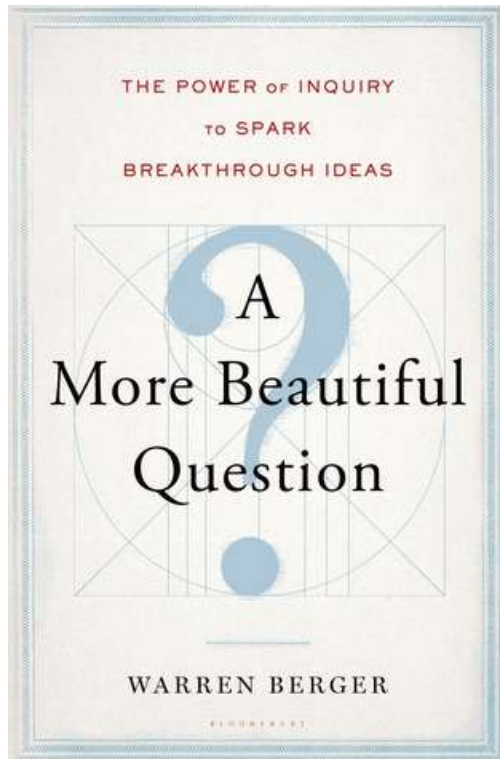
Casual

vs

Causal



La indagación



I. Introducción

II. Ciudades innovadoras

III. Reflexiones finales




372 *Int. J. Knowledge-Based Development, Vol. 2, No. 4, 2011*

Innovacities: in search of breakthrough innovations producing world-class performance

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Abstract: Several studies have identified the key competitive factors of knowledge and creative cities. They have elaborated specific metrics and indicators to be able to provide a comparative assessment of innovation performance in cities, regions and nations. However, few of these studies have analysed the specific reasons why some cities have made a tremendous transition in a specific period of time using a systemic perspective. Through the analysis of a small group of renowned cities, this study examines and identifies the inflection points where the cities made great transformations in terms of world-class performance, and identifies the enabling mechanisms that made the transitions possible, that produced large-scale changes and that created interdependent spaces in which the citizens, the social communities, the businesses and their local natural environments, have become articulated into a harmonious and balanced regional development.

Keywords: innovative cities; breakthrough innovations; economic and social development; holistic development; innovation metrics.

Reference to this paper should be made as follows: Scheel, C. (2011) 'Innovacities: in search of breakthrough innovations producing world-class performance', *Int. J. Knowledge-Based Development*, Vol. 2, No. 4, pp.372-388.

Biographical note: Carlos Scheel is a Professor at EGADE Business School of the Monterrey Institute of Technology (ITESM). He is Director and Research Chair of wealth creation based on innovation and enabling technologies. He is the former Director of the Goodhue School of IT, electronic engineering and computer sciences of the ITESM. He is a Senior Research Fellow of the IC2 Institute University of Texas, Austin, USA. He is an International Consultant on clustering strategies, regional innovation systems, and national technological strategies, for the sustainable development of emerging countries. He is a Designer of the sustainable wealth creation based on innovation and technology (SWIT) model for developing countries. He is author and co-author of more than 50 technical papers and 11 books.

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Scheel, C. (2011), "Innovacities: in search of breakthrough innovations producing world-class Performance", *Int. J. Knowledge-Based Development*, Vol. 2, No. 4, pp.372–388.

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Innovative cities: in search of their disruptive characteristics


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Abstract: Industrialised countries are aware that innovation is the key to growth and increasing competitiveness in modern economies, and governments are constantly seeking for it to increase their world-class positioning. Thus, innovation has been a key factor for the development of these countries and several institutions have elaborated descriptive metrics and indicators to provide a comparative assessment of the performance of cities, regions and even nations. However, these general indicators do not include the triggering conditions nor the actions that certain cities have developed to break with traditional growth paradigms and have achieved a disruptive behaviour. The main purpose of this study is to identify and describe cities' inflection points, where they made great transformations and transitions in terms of world-class performance. The more the cities use the enabling drivers in a systemic and holistic manner, the more benefits they will have, reflected in their performance metrics.

Keywords: innovative cities; breakthrough innovations; regional holistic development; innovation metrics; disruptive performance.

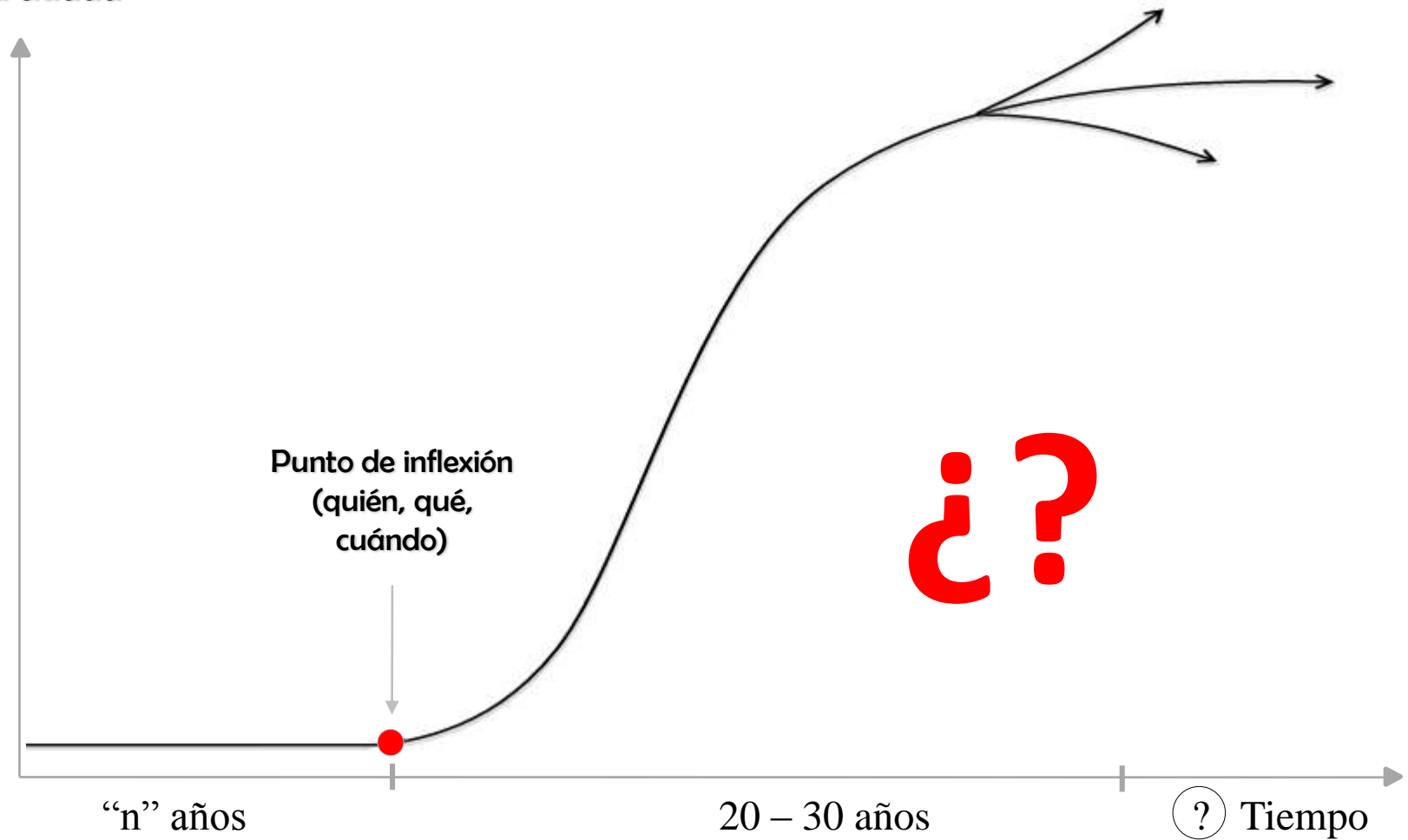
Reference to this paper should be made as follows: Scheel, C. and Rivera, A. (2013) 'Innovative cities: in search of their disruptive characteristics', *Int. J. Knowledge-Based Development*, Vol. 4, No. 1, pp.79-101.

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Scheel, C. & Rivera, A., (2013), "Innovative cities: in search of their disruptive characteristics", *Int. Journal of Knowledge-Based Development*, Vol. 4, No. 1, pp.79–101.



Desempeño general de la ciudad





Ciudades seleccionadas

- a. Austin (EUA)
 - b. Auckland (Nueva Zelanda)
 - c. Bangalore (India)
 - d. Barcelona (España)
 - e. Curitiba (Brasil)
 - f. Medellín (Colombia)
 - g. Metz (Francia)
 - h. Stavanger (Noruega)
-
-

Drivers

Métricas de desempeño



Tablas de distribución de incidencias

		Métricas de desempeño										
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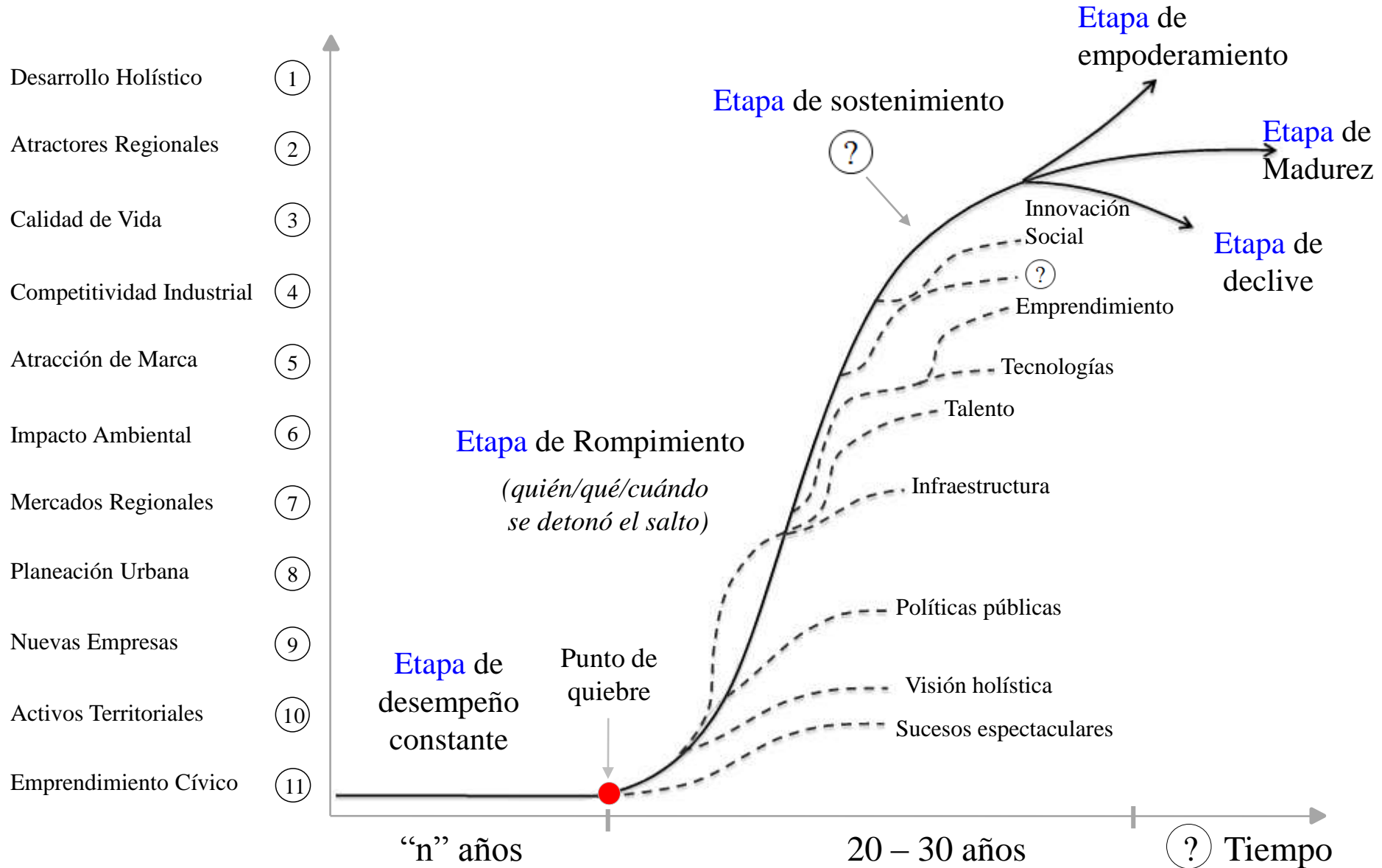
		Métricas de desempeño										
		A	B	C	D	E	F	G	H	I	J	K
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		Drivers							
		I	II	III	IV	V	VI	VII	VIII
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I. Introducción

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Cuestionamientos básicos

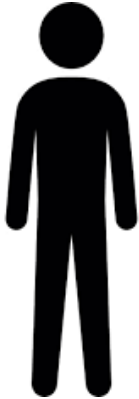
¿Qué Megalópolis tenemos y cuál queremos tener?

¿Cuáles son sus mayores áreas de oportunidad y cuáles son sus grandes fortalezas?

¿Cómo somos los ciudadanos y cómo nos gustaría ser?



Naturaleza del ser humano



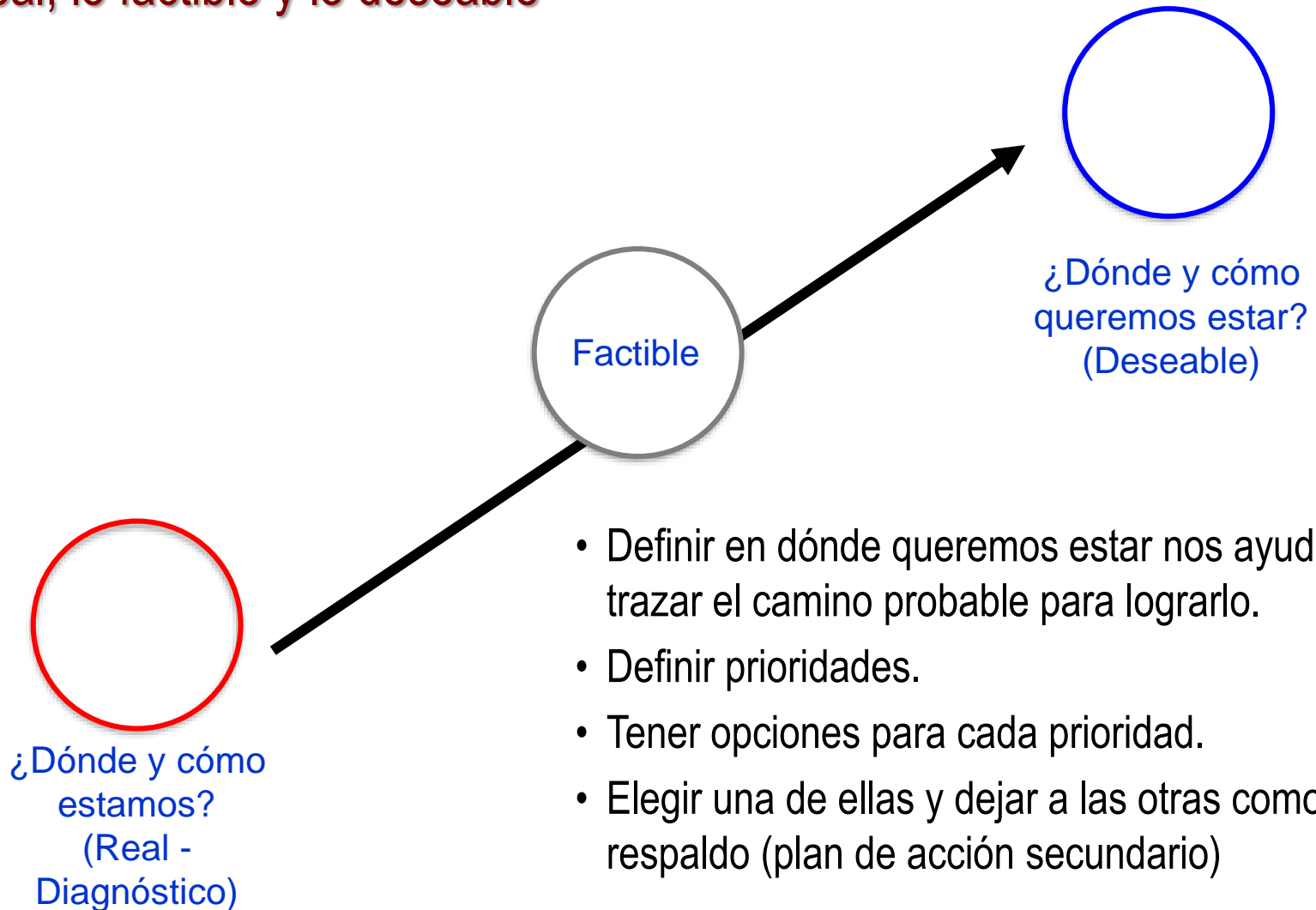
- Social.
- Racional.
- Emocional.
- Simbólico.
- Político.
- Ético.
- Físico.

Necesidades básicas

- Salud.
- Educación.
- Vivienda.
- Seguridad.
- Respeto.



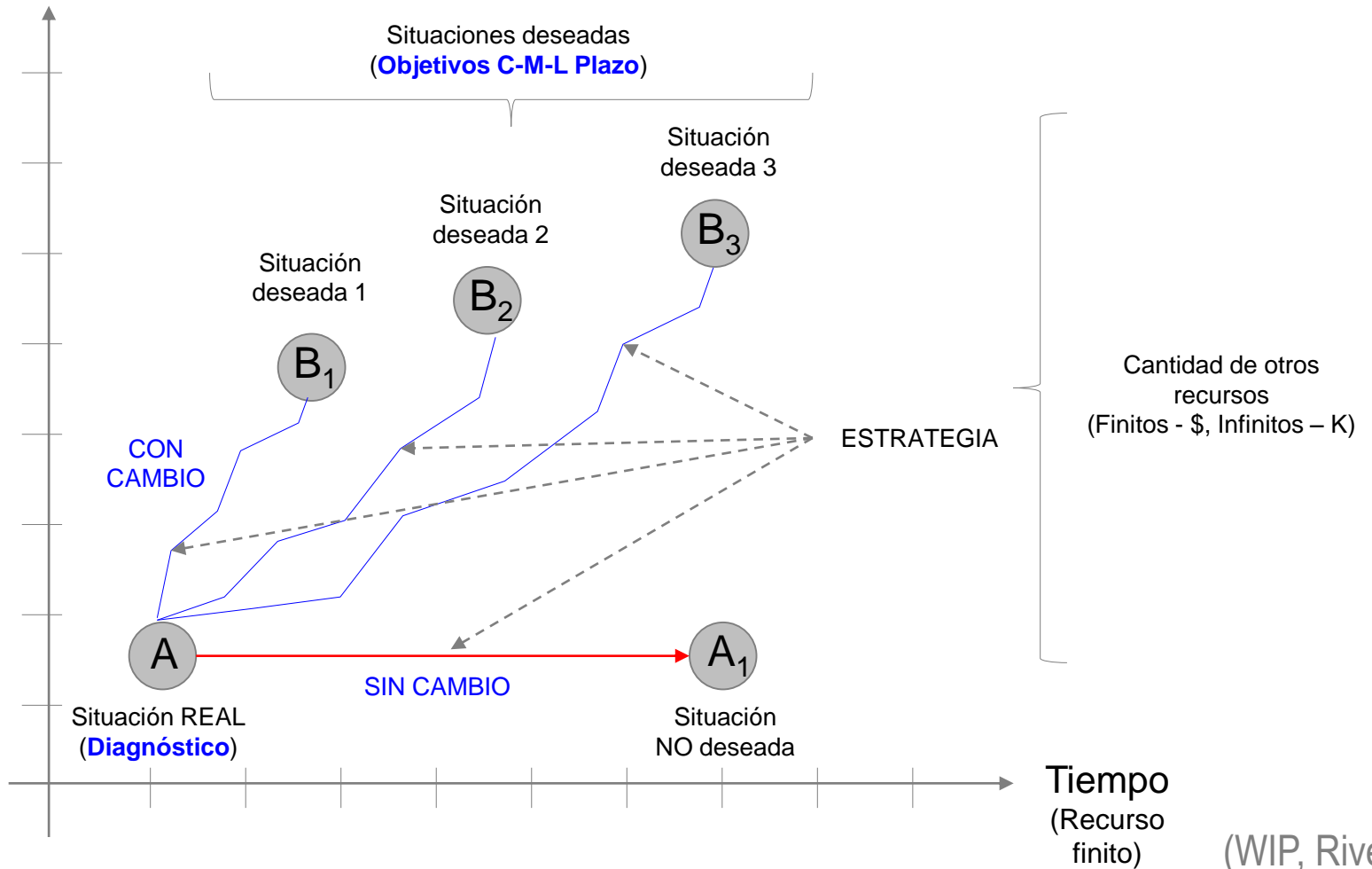
Lo real, lo factible y lo deseable



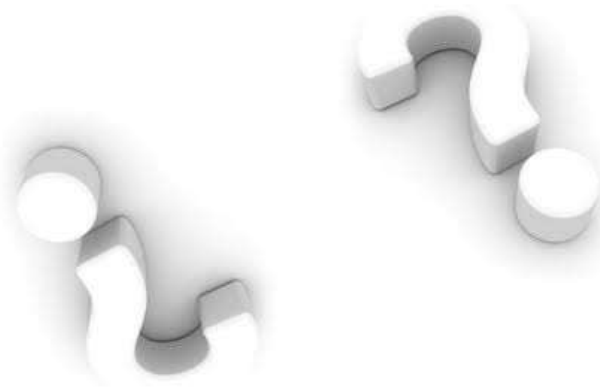


Las estrategias

Desarrollo



Gracias por su atención...



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