

THE ROLE OF VISUAL REPRESENTATIONS IN URBAN PLANNING

Burcu Akinci

Vienna University of Technology, office@burcuakinci.com

*Representations inform our capacity
and our need to imagine the city
(James Donald, 2000, p.53).*

Visual representations in its all different forms help us to understand our cities, make it available for analysis. They help us to make useful conceptual shortcuts in our understanding in order to have a glimpse of what s happening in our cities.

This research focuses on visuals as representations of cities. These visuals may be a single spatial representation as a map or a sketch, or it may be in form of a visual metaphor (for example Blue Banana, European Bunch of Grapes, London Green Belt, the finger model of Copenhagen etc.) or a complex set of images.

Throughout the history, the urban planning discipline has looked at visual representations in various different ways, giving little to no attention on them at all (Jarvis 1994; Neuman 1996, 2000; Faludi 1996; Dühr 2007).

Since the notion of planning through debate (Healey, 1992) they are acc communication tools which shape attention (Forester 1989), therefore shape the discourse (Kunzmann 1996; Healey 1997, 2006; Forester 1999). On the other hand, they are object to treacherous vision (Shields, 1996) which allows manipulations (Pickels 1992; Neuman 1996; recognized that representations may focus on certain parts while inevitably neglecting others (Harvey 1996). Since the visual representations of spaces, like cartographical maps, are not accepted as objective and scientifically informed instruments only, they as well are object to communicative distortions (D hr, 2007). That s why it is believed by some theoreticians that it is proba abstain visual representations (Eeten and Roe, 2000) because they can lead to serious conflict (Zonneveld, 2000) through their biased perspective of reality (Crampton, 2001).

Despite the recognized consensus-building purpose of representations; growing chaos, complexity and fuzzy reasoning hinders their effective outcomes (Forester, 1999; Healey, 2007; Innes and Booher, 2010; Neuman, 2010). Growing complexity makes planning messier, their outcomes sketchier (Neuman, 2012) and their discourse more abstract. On the other hand how can we make planning interesting and understandable without using visual representations (Zech, 2013)?

Nevertheless discourse helps finding meaning in complexity and it can create unquestioned knowledge that requires unconventional creative thinking. Visual representations in all its different forms help us to understand the urban complexity.

The web has become a new opinion space today, a virtual but de facto public space (Shields, 2013). It is re-wiring our way of thinking, how we perceive our cities and how we respond to changes.

But we face a great challenge, besides the obvious complexity of our cities;

phenomenon. We are producing an enormous diversity of data, from governments to city councils to institutions. It is getting incredibly difficult to make sense of all these data, how to analyse it, how to see through it, how to communicate it, how to visualize it.

The open-ness of the virtual public space makes cities more inclusive, enabling its citizens and different organizations to actively take part in it. Open data initiatives and institutions are actively encouraging their smart citizens to use the urban data and make meaning out of it. Urban and regional areas need to be represented collectively, not only from certain perspectives or in certain forms. If we can have a glimpse of what is happening, then we might have the opportunity to intervene, to plan, to design and sometimes to resist (Mitchell, 1996).

To empirically analyse this hypothesis UCIT (www.ucit.or.at) is created, it is an open source project consisting of open source solutions. Here, the purpose was to present urban data in an interesting way to the media and public, just by creating an application which shows the urban data with its time-space character. We need to re-examine the city, keep it open to further critical analysis and show the urban data in different ways from different perspectives which in turn may reveal unperceived knowledge and spur creative thinking.

References

- Benjamin, W., & Tiedemann, R. (1999). The arcades project. Harvard University Press. In: Coverley, M. (2012). *Psychogeography*. Oldcastle Books.
- Mitchell, W. J. (1995). *City of bits. Space, Place, and the Infobahn*. Cambridge Univ Press.
- Crampton, J. W. (2001). Maps as social constructions: power, communication and visualization. *Progress in Human Geography*, 25(2), 235-252.
- Donald, J (2000) *Imagining the modern city*. London Athlone Press.
- Dühr, S. (2007). *The visual language of spatial planning: exploring cartographic representations for spatial planning in Europe (Vol. 7)*. Routledge.
- Eeten, M. V., & Roe, E. (2000). When fiction conveys truth and authority: the Netherlands Green Heart planning controversy. *Journal of the American Planning Association*, 66(1), 58-67.
- Faludi, A. (1996). Framing with images, *Environment and Planning B: Planning and Design*, 23(2), pp. 93-108.
- Forester, J. (1999). *The deliberative practitioner: Encouraging participatory planning processes*. MIT Press.
- Harvey, D. (1996). *Justice, nature and the geography of difference*. Oxford: Blackwell.
- Healey, P. (1992). Planning through debate: the communicative turn in planning theory. *Town planning review*, 63(2), 143.
- Healey, P. (1997). *Collaborative planning: Shaping places in fragmented societies*. UBC Press.
- Forester, J. (1988). *Planning in the Face of Power*. Univ of California Press.
- Healey, P. (2006). *Urban complexity and spatial strategies: towards a relational planning for our times*. Routledge.
- Innes, J. E., & Booher, D. E. (2010). *Planning with complexity: An introduction to collaborative rationality for public policy*. Routledge.
- Kunzmann, K. R. (1996). Euro megalopolis or themepark Europe? Scenarios for European spatial development. *International Planning Studies*, 1(2), 143-163.
- Mitchell, W.J. (1995). *City of Bits: Space, Place, and the Infobahn*. The MIT Press.
- Neuman, M. (1996). Images as institution builders: metropolitan planning in Madrid. *European Planning Studies*, 4(3), 293-312.
- Neuman, M. (2000). Communicate this! Does consensus lead to advocacy and pluralism?. *Journal of Planning Education and Research*, 19(4), 343-350.
- Jarvis, B. (1995). The arts of town planning. *Planning Practice and Research*, 10(2), 111-120.

- Paklone, I. (2011a). Conceptualization of Visual Representation in Urban Planning. *LIMES: Cultural Regionalistics*, (2), 150.
- Pickles, J. (1992). Texts, hermeneutics and propaganda maps. *The Map Reader: Theories of Mapping Practice and Cartographic Representation*, 400-406.
- Shields, R. (1996). A guide to urban representation and what to do about it: alternative traditions of urban theory. *Re-presenting the city: Ethnicity, capital, and culture in the twenty-first-century metropolis*, King, A (ed.), London: Macmillan, pp.227-252.
- Shields, R. (2013). Lefebvre and the Right to the Open City?. *Space and Culture*, 16(3), 345-348.
- Zech, S. (2013). Mapping and communication in spatial development on the example of the Austrian Spatial Development Concept. Retrieved June 10, 2015 from: http://region.tuwien.ac.at/download/Tracking_LUR.pdf
- Zonneveld, W. (2000). "Discursive aspects of strategic planning: a deconstruction of the 'balanced competitiveness' concept in European spatial planning", in *The Revival of Strategic Spatial Planning* Eds W Salet, A Faludi (Royal Netherlands Academy of Arts and Sciences, Amsterdam) pp 267-280.