Exploring metropolitan borderscapes

Social bridges in public spaces of transnational urban conglomerates

Este artículo aborda la interacción de tres situaciones urbanas diferentes: el espacio público, los conglomerados metropolitanos transfronterizos y el concepto de exploración (Pentland, 2014), profundamente vinculado a la idea de afamiliaridad (“unfamiliarity”) descrita exhaustivamente por van der Velde et al. (2020). En primer lugar, se define la idea de paisaje fronterizo y se consideran las oportunidades sociales y espaciales de la frontera. A continuación, se describen y analizan los conceptos de flujo de ideas, exploración y afamiliaridad desde un punto de vista sociológico, con la ayuda de la física social y el análisis cuantitativo de datos. La acción de explorar fuera de nuestro ámbito espacial cotidiano conlleva una serie de beneficios, tanto sociales como económicos. Estas posibles ventajas son más relevantes para los ciudadanos con rentas más bajas, que generalmente no acceden a beneficiarse de ellas. El caso particular de los paisajes fronterizos dentro de los conglomerados urbanos transnacionales se presenta como ejemplo paradigmático (y efecto lupa) para comprender la dinámica de exploración de lo desconocido en las ciudades. Desde la perspectiva de la ordenación del territorio, se investigan las posibilidades de los espacios públicos dentro de los paisajes fronterizos como campo para entrar en contacto con lo desconocido. Para mejorar los índices de exploración en los grupos de renta más baja, se examinan las condiciones urbanas necesarias. Estas guían a los planificadores urbanos sobre las prácticas de diseño espacial que permiten a estos grupos vulnerables mejorar socialmente.

This article deals with the interaction of three different elements: public space, cross-border metropolitan conglomerates and the concept of exploration (Pentland, 2014), profoundly linked to the idea of unfamiliarity comprehensively described by van der Velde et al. (2020). First, the idea of borderscapes is defined, and the social and spatial opportunities of the border are considered. Then, the concepts of idea-flow, exploration and unfamiliarity are described and considered from a sociological point of view—with the assistance of social physics and quantitative big-data studies. The action of exploration outside our daily spatial scope brings a series of benefits, both social and economic. These possible advantages are more relevant for the citizens with the lowest income, who generally do not get access to profit from them. The particular case of borderscapes within transnational urban conglomerates is presented as a paradigmatic example (and magnifying glass) to understand the dynamics of exploring unfamiliarity in cities. From a spatial planning perspective, the possibilities of public areas within borderscapes is investigated as a field to get in contact with the unfamiliar. In order to enhance exploration rates in lower income groups, the necessary urban conditions are examined. These inform urban planners about spatial design practices that allow these vulnerable groups to improve socially.

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METROPOLITAN BORDERSCAPES AS A RESOURCE

National borders attract and generate particular forms of urbanity. Often ancient military enclaves, they turn into opportunistic economic and trade nodes, whose spatiality is strongly driven by their situation in relation to the adjacent nation states. The idea of borders is profoundly spatial, even considering the manifold forms of borders, at the same time territorial, functional or even symbolic, that can be considered increasingly dematerialised. From an ecstatic perception, the cartesian idea of border purely separates different zones or states. A topological comprehension of borders brings a certain spatial dynamic to the idea of the border, as it is not dependent on the cartesian distance, but rather on the notion of the relations established between the parts on both (or several) sides.

These multiple interpretations, from a mathematical perspective, are also present in the etymology of the words used in several languages to refer to the border. Many of them appeared in the 12th and 13th Century, and evolved till the 15th century, long time before the idea of nation-states. Anglo-Saxon culture use the words border and boundary. The former, from the French bordure, refers to the edge, to the limit of an entity, while the latter, from the Latin front-er, is the most outstanding part, that faces and relates to the otherness: faire face. These paradoxical couples, border-boundary and confin-frontier, signify the limit that separates and the interface that joins, a constant in the conceptualisation of spatial borderscapes. Both segregating and holding together.

Even before the production of the first cartographies, it is evident that different social groups were conscious of the idea of borders. It was not necessary to draw on a document to acknowledge their existence and influence, as it is undoubtedly relational (Raffestin, 1974), thus topological. This idea of belonging, social relation and interaction is evident in border regions of the countries of (and around) the European Union. These zones have become true laboratories of transnational integration and cooperation, that test many dynamics that could be exported to the whole cooperational territory. Despite the fact that nowadays many people consider borders stealfast and immovable, it is questionable that they are more of an evolving process than a set of coordinates. It is less important where they are located or what they are supposed to be, than how are they collectively assembled and culturally constructed.

Collectively imagining the border. There have historically been two different approaches for the development of border situations where they have, de facto, almost disappeared (within the European Union, for instance). One, to make the border invisible, and two, to make it present and valuable. The first one looks for an "ideal" integration, in the sense of homogenisation, where the border is "forgotten" during everyday life, which paradoxically causes serious consequences for the consolidation of a common identity; this is the case of "Le Grand Genève" (Sohn, 2020). This approach impacts negatively the possibilities of exploration, as it tends to unify both sides. The second approach seeks an imaginary ‘state’ where the border can bring value to the region and create a sense of a place -even if it implies the need to acknowledge differences between both sides. A shared but distinctive future imaginary is created and mobilised through the reformulation of the spaces of the border: a “re-collage” of the border. Social semiotics are a valuable tool to understand the never-finished evolution of the border. This dynamic comprehension of the border, with no final or stable form, allows all concerned stakeholders to generate new visions through time. Therefore, borderscapes become spatial configurations where the exposure to the otherness and the constant negotiation with it fosters cultural creation of identities and pushes further the unimagined evolutions of society.

How to define what we understand by borderscapes? Borderscapes are certainly not only spatial. Nevertheless, their spatial configuration does not depend on fixed cartesian distances to a line, or are not isotopically delimited on both (or more) sides. They are neither neutral or homogeneous thresholds that enable a soft and comfortable transition between two differentiated entities. Borderscapes are not based on stereotypes, but on evolving differences and links, outlining the constructions of multiple identities. Borderscapes do not try to make the separation invisible, they rather express the difference. Rather more as a network of superposed and diverse cultural constructions than as a blunt binary opposition of sides. Borderscapes are not a problem to be solved, they are rather considered as a resource or even a playground. A celebration of the experimentation of the otherness. faire face, confront what does not belong to our shared ontologies. The front of a battlefield where the war that is being fought has a main aim: experiment then otherness in order to generate an own selfness (Table 1).

Borderscapes like the “Douane de Moillesoulaz” (CH-FR) or the “Place transfontralère Jaques Delors” (FR-BE) are examples of the transformation of classic borders between nation state towards an integrative public space that serves as connection node and activity vortex of a metropolitan continuum. The profound failure of the square Jaques Delors, between the communes of Halluin (FR) and Menin (BE) leaves nowadays its almost 5,000 square meters to be used as informal parking. Only fast-food imbisss-like shops have been installed, as it was not interesting for any other kind of business.

People have not managed to appropriate the public space, and no common imaginary is created. Which factors have driven things to this situation? Which possibilities might offer public space in cross-border metropolitan conglomerates to be attractive from both sides of the border? Had these places the chance to become a destination to explore an unfamiliarity beyond the otherness, an amalgam of “us and them”? How can those sites be a place for exploration? (Fig.1).

Table 1. - What are borderscapes and what not? Compiled by the author.

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Metropoles segregated by a border, like the conglomerate of Basel (CH), Saint Louis (FR) and Weil am Rhein (DE), or the Agglomération Franco-Valdois Genevoise, called "Grand Genève", that comprises several Swiss cantons and French municipalities represent paradigmatical case-
Our everyday life can be predicted quite easily. Using the location data stored in our phones, we could determine where we spend almost all of our time. That is because our life responds to very regular patterns, that correspond especially to the areas where we spend most of our time. Unfamiliarity. Indifference is identified as one of the drivers of exploration outside our circle (Pentland, 2018). What drives us to investigate the other side of the border? Van der Velde identifies a range of “bandwidth of unfamiliarity” to describe what encourages cross-border shopping, but it definitely could be extended for the purposes of cross-border explorations. It is crucial to understand that unfamiliarity is particularly subjective, and it affects different people in radically different degrees.

This idea of the unfamiliar is, of course, interdependent with what is perceived as familiar, and therefore, the attachment we feel to a specific place and its culture. How is this sense of belonging generated? And what does it trigger in our exploration habits? The question is therefore clear. How to enhance the exploration rate of this social group? What are the factors that diminish their will to explore, and which ones can enhance it? Is there an opportunity in the design of public space (unexpensive, unprogrammed, open to everybody) to generate a greater attraction for these groups? Which parameters should these public spaces display in order to allure these social groups? What time and space relationships (Hägerstrand 1975) can guide the design of borderscapes? From an urban planning perspective, it is fundamental to consider three core factors: accessibility, affordability, and attractiveness (Fig. 2).
Accessibility. Physically isolated neighbourhoods have worse social outcomes (Smith, Mashadi, and Capra 2013). If the exploration rate of these communities is reduced, its own capacity for development and social improvement is equally reduced. The most common mobility system of these neighbourhoods is public transportation: bus, train, tram.

Therefore, planning transportation networks that promote connectivity allows for an increase in the opportunities of economic and social development. A transport system such as that implemented in the city of Zurich fully corresponds to an infrastructure allowing a balanced combination of engagement and exploration. Nowadays it is easy to collect urban data of transportation in the city that may help us to understand the real everyday fluxes. These data could potentially be used to plan public transportation that promotes more exploration dynamics.

In a cross-border context, spatial mobility and social mobility go along together, much more than in many other contexts. The notion of “motility” tries to define the potential of mobility, that is, the possibility of people to go to different spaces (Kauffman et al. 2004). Three dimensions are crucial to it: access, competences and mobility projects. Access means both contextual (transport offer) as well as personal (reachability to the tools facilitating mobility, as cars, bikes or information and communication technologies).

International motility competences stand for socio-spatial and linguistic competences: cross-border urban agglomerations expose their inhabitants to more frequent confrontation to alterity, and their competences drive the number and the type of explorations. The last dimension, the mobility projects, is addressed from three different angles: the local knowledge, spatial curiosity and the willingness to move or be treated medically on the other side. This idea of spatial curiosity is closely related to Pentland’s concept of “exploration” and Van de Velde’s “unfamiliarity”.

In order to understand the manifold forces that shape borderscapes, it is crucial to differentiate in detail the diverse social groups of these regions, beyond the binary distinction of both sides of the border, not only in social classes but also in gender and age groups. These metropoles tend to appeal to a certain cosmopolitanism due to a “natural” international vocation (Adly el Shentonawy 2014) of a city in which no one is a stranger (De Traz 1995). In this sense, the expat communities of metropoles like Basel or Geneva act as a catalyst or a test field, because for them, both sides present the value of exploration. They tend to move through the cross-border metropole as a “post-border” individual, that does not perceive the border as a limit, but as the gateway to further different activities and opportunities. More often than not, their purchasing power is considerable, therefore they have quite different dynamics to the citizens with lower income.

Affordability. Although many people have genuine interest in what the other side of the border has to offer, like the municipality of St. Louis, that even shows a high identification with the Eurometropole (Dubois, 2017), the fact of the cost of the activities in Basel being much higher than in France, generates an economic border (van der Velde, 2011). Exploration is often identified as a consumer practice: eating out, buying new clothes, going to a concert (Pentland, 2018). This particularly severely affects the groups of society with the lowest income. Those who already take the least advantage of the benefits of exploration. We may infer that the wealthiest parts of the society explore more, which is true, since they do not have to worry about basic needs in their everyday life.

However, it is also true that a higher rate of exploration of a social group is related to an improvement in its economic capacity as a community. A direct impact on specific individuals is more difficult to demonstrate, but the positive evolution of the whole neighbourhood is proven (Pentland, 2018).

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Attractiveness. In order to understand the possibilities to enhance the exploration rate, it is necessary to map the spatial curiosity that drives people to go to other parts of the border, and understand their socio-spatial competences. What is the driver of cross-border visits? From a motivational point of view, there are two main groups, the opportunists and the curious. The former takes advantage of the border to buy cheaper goods, they have a fixed goal and few interactions happen during the visit. Whereas the latter is moved by a curiosity towards a certain exoticism, that can be considered as a driver for a shared integration. Both can act as social bridges in different ways and intensities. The opportunistic may have no intention to build up on cultural assemblages. Nevertheless, the sole action of being exposed and confronted with the unfamiliar already generates situations where positions have to be taken, and novel assemblages are generated (Fig.3).

The asymmetry of the interests and explorations has to be taken

Fig.3. - Basel’s borderscape along the Rhine. Photo by the author.
into consideration: they are certainly unequal, and driven by different forces within the three countries of the Basel metropolitan area. In many cases, these forces are modelled by the political and economic interests of the regions. It is important to find out what is expected from the other side, and how that image was consolidated in their minds. The quest of a shared image of the boundariescape is one of the most difficult tasks that cross-border researchers have to face. It is not enough to ensure that these places also interest all social groups, so that the social mixture is assured.

Space programming. The functional and social specialisation or segregation that follows the Athens Charter can be considered, at the same time, a problem and an opportunity. It leads to a high ecological footprint transportation model, and to a lack of facilities and opportunities for the lower strata of the population within the neighbourhoods they live in.

Nevertheless, enhancing their socio-spatial competences can lead to exploring experiences that allow a higher interaction between communities in the specific characterisation of each neighbourhood, in order to become interesting for exploration of the adjacent areas. Working with the logic of a densely woven network of neighbours, the attractivity and exchanges between the different communities increase.

Most exploration activities currently take place in a constrained framework. The economic and political forces of Switzerland is one of the drivers for French and German inhabitants not to go to Basel (Dubois, 2017). Public space, like the riverbanks of the Rhine are accessible for almost everybody as they are free of charge.

Nevertheless, a certain activity of event is required to be attractive to visitors from other neighbourhoods. This is the case, for example, of Morgenstracht, during the carnival time. A question arises then: how to deal with programming activity in the public space to enhance transnational explorations? Can the use of public space be reshaped in order to gain the attention of border inhabitants? Could this access and knowledge of superposed cultural approaches guide a better understanding of the urban sphere? As Ábalos and Herreros (1996) perfectly described the nomad sophists.

We could perhaps borrow a critical image of the sophists, who were a kind of nomad, and contributed to the transformation of the idea of public space. These pre-rational philosophers who travelled from town to town in ancient Greece came to understand that the poles was not the product of natural or cosmic forces, but of treaties and agreements between peoples. Awareness of the contractual basis of society led the citizens of the poles to abandon their myths and to engage in public debate in the agora, which became ‘public space’ in the fullest sense of the word. This new way of thinking, however, required teaching and training in rhetoric, and the sophists were thus provided with the means of earning an income. Gradually, they transformed a region that was geographically and politically unorganised into a cohesive territory unified by a new cosmopolitan culture.

ÁBALOS Itaki, HERREROS Juan 1996. Areas of impunity and vectorial spaces.

DISCUSSION AND CONCLUSION

Transnational metropoles often showcase high inequity. Understanding borderscapes as a zone of opportunity to investigate how exploration happens in these spaces is key for urban planners. In these areas, the design of public space is crucial to promote affordable, accessible and attractive poles that stimulate interaction between different social groups. An inclusive design of public space necessity entails creating appealing explorative destinations for the neighbourhoods with lowest idea-flow ratio. A better comprehension of these processes in borderscapes facilitates a better comprehension of the exploration dynamics of any city with strong differentiated neighbourhoods, as cross-border metropoles can be understood as a magnifying glass of the exploration dynamics of every city.

Cities like London, Berlin or any metropolis that counts itself as having strong and differentiated communities present certain similarities to the case-study of Basel. The multi-national context of the latter is surely not present in the former, but the exploration dynamics that foster an increase in wealth operate in a similar manner.

In fact, these cities that are not considered borderscapes are the main object of study for exploration. What resources those cities then learn in terms of multinational urban conglomerates? In metropoles like Basel, many actors and institutions often to enhance cross-border exchange and a certain level of integration that does not mean dissolution of identities.

The special identity paid to accessibility, paid to affordability and programmability of the public urban spaces reveals mechanics and processes that every city could take advantage of.

BIBLIOGRAPHY

ABALOS Itaki, HERREROS Juan, 1996. Areas of impunity and vectorial spaces. An exploration in the cross-border urban conglomerate it is key for urban planners. In these areas, the design of public space is crucial to promote affordable, accessible and attractive poles that stimulate interaction between different social groups. An inclusive design of public space necessity entails creating appealing explorative destinations for the neighbourhoods with lowest idea-flow ratio. A better comprehension of these processes in borderscapes facilitates a better comprehension of the exploration dynamics of any city with strong differentiated neighbourhoods, as cross-border metropoles can be understood as a magnifying glass of the exploration dynamics of every city.


