HISTORY URBANISM RESILIENCE

Change and Responsive Planning

International Planning History Society Proceedings
## CONTENTS

### Keynote

**Making urbanizing deltas more resilient by design**  
Han Meyer

### Ports, Industry and Infrastructure

**Perspectives on Industry-led Urban Planning and Development**

  Víctor Muñoz Sanz

- **Reindustrialisation design: Barcelona Metropolitan Region – as case study for exploring the role of spatial planning and design in reindustrialisation for the good (work) life**  
  Marta Relats Torante

- **Learning from garden cities: international networks to address climate change**  
  Diogo Pereira Henriques

- **Revitalisation of an historical industrial port district – The goods station district in Antwerp**  
  Marianne De Fossé

### Consumption and Flows as Urban Shapers

**Food public markets as cultural capital: Girona province**  
Nadia Fava | Marisa Garcia | Laura Plana | Romà Garrido

**Mapping Consumer Modalities: Retail Centers, Transportation and Consumer Culture in Contemporary New Delhi**  
Suzanne Frasier
The transformation and influence of overseas commerce of Mingzhou port-city in Tang and Song Dynasties (821-1279) – Concentrated on the historical relics 075
Li Baihao | Wu Sha

The industrial and commercial harbors of Strasbourg: wasteland territories in transition towards a sustainable cross-border metropolitan core 091
Cristiana Mazzoni | Andreea Grigorovschi | Hélène Antoni

Urban Expansion & Urban Innovation 103

The “Venezia Nuova” district in Livorno, Italy – The role of the Dominicans in the urban development of the city 105
Maria Grazia Turco

Northern Istanbul Projects: A Critical Account 117
Evren Aysev Deneç

Garden cities and suburbs in Brazil: recurrent adaptations of a concept 119
Renato Leão Rego

Transfiguration of urban centers and the modernization of port logistics in Yokohama City, Japan 131
Nobuharu Suzuki

Port History 133

The Rhetoric of “Provision”: Public and Political Disputes over Port Planning in Hamburg in the 1970s and 1980s 135
Christoph Strupp

The Port Of New York, 1865-1929: Towards A Multi-Scalar History of Place 149
Nick Lombardo

Learning From Waterfront Regeneration Projects and Contemporary Design Approaches of European Port Cities 151
Fatma Tanis | Fatma Erkok

Capital Accumulation Process and Resilience: urban planning and redevelopment of port areas, a case study of Santos (Brazil) 163
Clarissa Duarte de Castro Souza

Coastal Landscape 175

“The Future of Jamaica Bay:” Planning the Coastal Landscape of Jamaica Bay in New York City, 1898-1942 177
Sben Korsh

Antwerp City Wastescapes – Historic interplays between waste & urban development 179
Julie Marin | Bruno De Meulder

Caribbean ‘Cruisebanism’, the Resilient cruise destination 191
Sofia Saavedra Bruno

Resilient Ocean City, MD: Landscape History and Urban Design 193
Miriam Gusevich
Resilience, Path Dependency and Port Cities

Gutschow's Stadtlandschaft Hamburg in the 1940s 197
Sylvia Necker

Military Industrial Resilience in the Port of Savannah 199
Stephen Ramos

Seaport Cities and Research Perspectives: From Path Dependency to Resilience 201
Dirk Schubert

Land in Limbo: Understanding Planning Agencies and Spatial Development at the Interface of the Port and City of Naples 203
Paolo De Martino

Global Flows and Local Places — The Spatial Dimension of Networked Port Systems 217
Marica Castigliano

Urban Mobility and Transportation 219

The Train, Urban Mobility and Tourism Regarding the Revival of the History of Guapimirim 221
Daniel Athias de Almeida | Sergio Moraes Rego Fagerlande

A Democratic City? The impact of transport networks on social cohesion 223
Absalom Makhubu

On the Rationality of Network Development: the Case of the Belgian Motorway Network 235
Thomas Vanoutrive | Ilja Van Damme | Greet De Block

Mobilisation of the masses: Post-war urban planning and the threat of the motor age 247
Tim Verlaan

Floods and Infrastructure 249

Towards Resilience in Chennai 251
Lakshmi Manohar | Muthaiah KT

Traffic in Towns, the Loss of Urban Resilience and the case of Auckland's civic centre 261
Errol J Haarhoff | Elizabeth Aitken Rose

Metropolitan Fluxes: the mesh of benefits and needs 273
Andrea Bazarian Vosgueritchian

Regenerating São Paulo's city center: Three intervention projects 275
Nadia Somekh | Bruna Fregonezi
Man-made and Natural Disasters  285

Planning Against Natural Disasters  287

Earthquake And Resilience Polarizations About Modern Planning In Chile  289
Fernando Pérez Oyarzun

An empirical analysis of urban planning in case of seismic disasters  301
Kyriaki Stavridou | Vasiliki Charalampidou | Vasiliki Lianopoulou

Planning for Disaster Resilience: the evolution and challenges of urban planning in Taiwan  303
Jie Ying Wu

Urban Resilience and Reconstruction the Natural Disaster Case that Struck the Historical City of Sao Luiz Do Paraitinga, Brazil  305
Tania Cristina Bordon Miotto Silva | José Geraldo Simões Júnior

Resilience and Climate  307

Planning with Climate Change  309
Pedro Garcia

The governance of flood risk planning in Guangzhou, China: using the past to study the present  311
Meng Meng | Marcin Dabrowski

Efforts to Implement a Community Resilience Activity: the case of Taranto  327
Ina Macaione | Antonio Ippolito | Roberto La Gioia | Emanuele Spataro

Research on Methodologies for Reconstruction Urban Planning in the Historical Center Toward to Long-term Regional Management After Natural Disaster in Italy – a case study about four different cities damaged by Northern Italy earthquakes in 2012  329
Tomoyuki Mashiko | Naoto Nomura | Gianfranco Franz | Shigeru Satoh

The Planned Destruction of North American Urban Landscapes  331

Railroads, Slum Clearance and a Reconsideration of the Cleveland Union Terminal, 1919-1935  333
John McCarthy

The Planned Destruction of Chinatowns in the United States and Canada, c.1900-2010  335
Domenic Vitiello | Zoe Blickenderfer

The Destruction of Preservation: Urban Renewal in Philadelphia’s Society Hill Neighborhood  337
Francesca Ammon

Operation Breakthrough: “Assembly Line for the Dream House”  339
Erika Linenfelser | Grant Priester
Destruction of the Built Environment for Reasons of Political Ideology 341

Heritage of the Second World War: Destruction and Resilience of the Soviet Hinterland Cities and their Urban Planning 343
Ivan Nevzgodin

Building peace? German plans for the reconstruction of northern France after World War I 345
Anna Karla

Changing ideologies and spatial strategies: Urban planning during socialism and after 347
Jasna Mariotti

Urban Air Pollution and Political Suppression in Chemical Valley, 1963-1968 349
Owen Temby

Urban Vulnerabilities 351

Understanding the Vulnerability of Historic Urban Sites 353
Nuran Zeren Gulersoy | A. Balin Koyunoglu

Tabula rasa meets resilience: urban reconstruction and the dilemmas of modern planning in Chillán, Chile (1939) 367
Horacio Torrent

Restructuring of a coastal town since the earthquake in 1957: Fethiye, Turkey 381
Feray Koca | Mehmet Rifat Kahyaoğlu

Changing Realities: Traumatic urbanism as a mode of resilience in intra-war Beirut 383
John Hanna

Disasters 385

Lisbon - between resilience and change: from the 1755 earthquake to the 1988 Chiado fire 387
Jorge Nunes | Maria João Neto

Transformation of Place-identity; a case of heritage and conflict in Iraq 399
Avar Almukhtar

Khans – between fires and urban revolts 413
İşıl Çokuğraş | Irem Gencer

Case study: Kinston-upon-Hull, A Postwar tangle of problems 415
Catherine Flinn
Long Term Adaptation to Changes

City Resilience amid Modern Urban Warfare: the case of Nablus, Palestine
Abdalrahman Kittana

Tournaï: Architecture and planning through the ages of a former leading urban centre, and current provincial historic city, of the Low Countries
Peter Martyn

Earthquake Destruction, Urban Construction, and Infrastructure in Chile (1906-1958)
Marco Barrientos

Regional adaptation: the case of airport influence areas (AIA)
Hillys Penso

Reconstruction of Cities Damaged in (Civil) Wars

Perpetuating the Temporary: Wartime Institutions and Postwar Beirut
Sofía Shwayri

A Model of Urban and Social Integration from the Fascist Spanish Falange: reconstruction in Madrid after the Spanish Civil War
Jesús López Díaz

Sectarian Suburbs, Social exclusion: planning, conflict and segregated housing in Outer Belfast, Northern Ireland, since 1968
Mark Clapson | Patrick Smylie

Building National Resilience: Eliezer Brutzkus and the Emergence of Physical-Economic Planning between the Wars
Shira Wilkof
Consumption and Flows as Urban Shapers

Chair: Cristiana Mazzoni
THE INDUSTRIAL AND COMMERCIAL HARBORS OF STRASBOURG: WASTELAND TERRITORIES IN TRANSITION TOWARDS A SUSTAINABLE CROSS-BORDER METROPOLITAN CORE

Cristiana Mazzoni¹ | Andreea Grigorovschi² | Hélène Antoni³

¹ School of Architecture, Strasbourg, CMYT - ENSAS AMUP
² School of Architecture, Strasbourg, CMYT - ENSAS AMUP
³ School of Architecture, Strasbourg, ENSAS - ARCHE

The current location of the commercial and industrial harbour of Strasbourg dates from the late nineteenth century, as the municipality decided to remove it from the inner city and bring it closer to the Rhine. In reality, Strasbourg’s port facilities were first situated on the river Ill, in order to avoid the frequent flooding of the Rhine, whose course was not canalized before the nineteenth century. Located between Basel and Karlsruhe, Strasbourg is trying to assert a leading position among the other Rhine harbours and engaged a strong development policy at the beginning of the twentieth century. Today, the future development of these territories is a major challenge for the construction of the cross-border metropolis, due to harbours’ central location, as well as for the energy and ecological territorial transition, a central issue within local debates. Presented as the new “metropolitan belt”, the Strasbourg-Kehl urban development axis connecting together the French and German historical city-centers, highlights the interface between the city and the harbours areas. The international competition for the urban development of the customs sector in which we have participated as urban designers in 2012 is a very good illustration of these debates. In reality, the harbour sets new challenges related to industrial ecology, energy transition, environmental concerns, innovative mobility as well as contemporary urban condition and lifestyle, that are at the core of our professional practice (Atelier CMYT) and our action-research (AMUP-ENSAS research laboratory).

This contribution aims to set, from a historical perspective, the socio-economical issues for the territorial development on both sides of the Rhine. We will refer to the new conceptual tools of the metropolitan scale - exploratory scenarios and Territorial Modelling and Visualizing Platform - that we explore through both our research programs and operational practice.

Keywords
harbour, resilience, industrial development, cross-border metropolis, Rhine

How to Cite

DOI: http://dx.doi.org/10.7480/iphs.2016.3.1255
INTRODUCTION

In the European context, Strasbourg appears to be an exemplary case study due to the central position of its commercial and industrial port(s) within the new cross-border metropolis and its geographical location in the Upper Rhine. The planning history of Strasbourg, considered through the harbor’s relation to the city, shows that the port has always played a key role in defining a “sustainable” planning practice. In reality, since the nineteenth century, when the port first moved from the river Ill to the new southern canal, the city had already started to initiate long term urban development thinking. By recovering and transforming old harbor sites into urban neighborhoods and completely rethinking urban connections to the new port, Strasbourg essentially engaged a “life-cycle” based urban process. Furthermore, ever since the historic establishment of trade routes along the Rhine, the “long-term” urban planning school of thought seems to characterize not only the development of Strasbourg, but also of all the cities within the Upper Rhine valley. This “long term” urban approach contributes to the creation of the polycentric urban network of the valley, structured by a very dense communication system, over both short and long distances. Ports, like railway stations, represent the strategic nodes of this system, sustaining its proper functioning and ensuring lasting durability. In this paper, our hypothesis is that the prospective planning of the city of Strasbourg and the engaged transformations for achieving a cross-border metropolis are strongly linked to both a “long-term” logic and the idea of “life-cycle”. These concepts have always accompanied the city’s urban development and planning. Thus, the idea of slowness as seen through a long-term, life-cycle lens, combined with the respect of natural and geographical constraints lead us to think of Strasbourg as a “resilient city”. Besides, in terms of energy transition strategies, the new planning tools - the Plan local urbain intercommunal (PLUI) in particular – also point out this long durability tradition and attention to the natural elements of the territory.

Regarding the relationship between planning history and planning practice, we stand by the theories of historians such as Reinhart Koselleck, who understood contemporaneity as a sequence of time that fits between the “space of experience” and the “horizon of expectation”. Moreover, we embrace the theories of Italian urban planners, such as Bernardo Secchi, for whom wastelands and brownfields are not to be understood as territorial “wounds”, nor as “pockets of poverty” (architectural, social, economic, relational, etc.). Instead, these urban situations could be seen through the concept of the “life-cycle” and through the potential of resilience they express. We also relate to Secchi’s ideas regarding the importance of future thinking for urban planning, through projects, visions and scenarios. In this sense, we also refer to Future studies theorists, like Lena Börjeson and her colleagues, whose theoretical frameworks accommodate our position in favor of an experimental and imaged prospective, as a necessary step in planning practice.

THE PORT WITHIN THE CITY: A MOVING HARBOUR ALONG THE ILL RIVER

The planning history of Strasbourg shows that although once a structuring element, water thereafter became a protective element in the thirteenth century following the construction of the Faux Remparts basin on the north branch of the river. This basin presented a central median, a piece of land where tower gates, marking the entrance into the city, were built. In the eighteenth century, as the central median became obsolete, it was first converted into a pedestrian walking area and then completely demolished between 1803 and 1833. Thus, until the nineteenth century the harbour activity was maintained in the southern part of the island ellipse, along the old customs area. In fact, within the first decades of the nineteenth century the use of the riverbanks extended almost to the mouth of the Marne-Rhine Canal.

When Strasbourg became a border-town due to its attachment to France with the Treaty of Westphalia, a heavy fortification system designed by Vauban was consequently built. (Figure 1: The first harbor on the Ill River) These fortifications durably marked the city’s development especially when it came to those across from Germany.

At the same time, on the other side of the Rhine, the fortress of Kehl was built in order to protect Strasbourg. Once again, water played a major role: the dam designed by the military engineer Vauban as part of the fortification, allowed for flooding in the southern territories (Montagne-Verte, Meinau, Neudorf) in case of siege.
FIGURE 1 The first harbor on the Ill River

FIGURE 2 The harbor during the 19th century

FIGURE 3 Strasbourg and the canalization project of the Rhine 1830

FIGURE 4 The harbor at the beginning of the 20th century
Initially a protective element, the notion of water transformed once again to become a developmental factor, especially along the newly built canals: Bruche (J. Tarade 1682), Rhone-Rhine (open for navigation in 1833) and Marne-Rhine (open for navigation in 1853). The Bruche, with a length of twenty kilometers starting in Soultz-les-Bains, was redesigned according to the plans of Vauban. He quickly allowed commercial use and transport of materials, hewn stone in particular, used for the construction of the fortification. As for the Rhone-Rhine Canal, its Alsatian section was part of a larger project, linking the two rivers (the Rhone and the Rhine) and connecting Marseille to Rotterdam. 324 km long and punctuated by 161 locks, its construction began in 1784 and ended in 1833. Its layout in the south of Strasbourg would fundamentally change the urban development of the suburbs. The straight line of the canal crossing the countryside permanently divided the territories south of the city, which were initially vegetable plots. The suburban neighbourhoods of Elsau and Meinau were thus separated and therefore pursued different urban developments.

Finally, the Marne-Rhine Canal was created, and connected Strasbourg to the rest of the hydrographical network of the nineteenth century. With a length of 314 km, it crosses the Vosges Mountains through the Saverne Pass. This technical achievement was not only an answer to economical issues, but more importantly, it represented a political statement: the inclusion of Alsace, and Strasbourg in particular, to French territories through the river network. This was also an opportunity to restructure certain northern city districts notably the “neighbourhoods of the three suburbs”. The establishment of an intramural railway station was also announced and the structure of main boulevards in the northern insular ellipse, were to be further extended in the nineteenth century in the Neustadt. The train station’s location on the site of Les Halles in 1855 would have a major impact on further port developments, which took a decisive turn. (Figure 2: The harbor during the 19th century)

Indeed, in the 1830s, Mayor Schützenberger considered the development of a new intramural port. However, the idea was quickly abandoned, as the military was strongly opposed to it. Besides, sailing conditions seriously deteriorated partly because of the canalizing works undertaken by the Baden engineer Johann Gottfried Tulla. (Figure 3: Strasbourg and the canalization project of the Rhine 1830) In 1864, the port of Strasbourg was no longer accessible to the barges coming from the Rhine and freight transport upstream of Mannheim was done via railway.
THE PORT OUTSIDE THE CITY: STRASBOURG’S HARBOUR MIGRATION TOWARDS THE RHINE

After the annexation of Alsace-Lorraine to the German Empire in 1871 and the expansion of its capital city Strasbourg, the ambition to open towards the Rhine was reaffirmed. For the city and the Reichsland, this came from an economical and political necessity: to be integrated into the German market. The new urban extension plan established in 1871, tripled the city surface with a new system of fortifications. In this plan, the port as well as the railway station and the university, became the main urban polarities, symbolising the new economical and cultural role of Strasbourg. (Figure 4: The harbor at the beginning of the 20th century – before 1910) It is within this building momentum, attempting to become a new industrial capital that Germans decided to remove the former French railway end-station and the old port on the Ill. Thus, the construction of the new monumental through-station was planned in the west, in order to replace one of the former bastions of Vauban. The university was set to be developed in the northeast extension of the medieval city. As for the port, the long debates regarding competition of the urban extension led to its location in the southern part of the city, on the Canal de jonction 3.

The municipality financed the construction of the Porte des Bouchers harbour in 1892. This was the starting point of the slow migration of the port and industrial infrastructures towards the Rhine. The groin system of the Commerce and Industry basins opened in 1901. (Figure 5: Commerce basin activity) As a response to the increasing traffic and the threat of economical monopoly that Strasbourg represented, in 1900 Baden railways inaugurated the port of Kehl in order to keep control of fluvial transit to southern Germany. During this German urbanization period, a unitary vision of the city emerged called the Großstadt. This concept shows how the engineering of the port and rail infrastructures, as well as architectural design and urban planning, articulate together in order to shape a coherent metropolitan landscape, despite the contrasts and fracturing elements it might include and/or generate. Through this unified vision, the emerging metropolis reinvested the old port and rail sectors, offering them the possibility of a new life-cycle. At the same time, new interconnected roadway systems, such as boulevards and avenues, were set up and linked to the old urban fabric through new bridges over the Ill.

After the First World War, as Strasbourg returned to France, its harbour continued to play a major part on the Rhine’s chessboard, while the port of Kehl became, between 1920 and 1929, an international organization, working in harmony with Strasbourg. A new special status for the French side of the port established new rights and freedoms; in 1926 the Port Autonome de Strasbourg was created. Between 1919-1928 and 1945-1951, the Port of Kehl was repeatedly put under French jurisdiction. Later, a Franco-German board consisting of members from Baden-Württemberg and the Port Autonome will gain control of the port. In the 1930s, Strasbourg’s port was extended north and south to occupy the entire Rhine façade. To the south, connected to a shunting yard, six docks were planned therefore doubling the size of the port infrastructure4. However, their construction never took place due to the Second World War. Nevertheless, activities related to hydrocarbon continued to grow, especially with the oil port’s creation in 1927, and extension later in 1963 (Figure 6: Oil port).
THE CITY WITHIN THE PORT: THE CROSS-BORDER DUAL-HARBOUR-CORED METROPOLIS

All the aforementioned historical developments help to understand the close relationship between urban development and harbour areas, emphasising the complex nature of recent urban planning challenges and debates.

As previously shown, the relationship between the port and the city, in Strasbourg’s singular historical context, has gone through either symbiotic or conflictual periods. Outside of the city walls, before the southern fortifications were demolished in the 1920s, the new harbour area reached a strategic metropolitan location, between the city centre and the southern neighbourhood of Neudorf and was very well connected through an efficient railway, tramway and logistical system. (Figure 7: Extension towards the Rhine in the 1930s) It was also directly connected to the Stock Exchange headquarters (Place de la Bourse), strategically located at the crossroads of the North-South transit routes and East-West fluvial trade flows (aspiring to have a major role in national and international trade). Further developed by the French state, port facilities extended progressively to the east, away from the city, creating a North-South development along the Rhine. That is why, within the second half of the 20th century, Strasbourg’s urban development was conditioned by this thick double boundary – the national border and the harbour strip - preventing its growth to the east and the urban connection to the river. Thus, during the 1960s and 1970s, the city’s development was always envisioned either in a North-South direction (parallel to the Rhine) or, growing at 180° angle, leaning against the Rhine and the harbour. (Figure 8: The last extension of the harbor along the Rhine)
However, as the harbour’s activity was permanently migrating towards the Rhine, it was already agreed upon dating from the 1960s that the old port sites (west of Pont Churchill) were doomed to urbanization. By the end of the 1980s, the old port and former industrial areas on the Canal de jonction were vacated and became a huge abandoned wasteland territory next to the city centre. Together with the “green belt” of Strasbourg whose non aedificandi status was repealed only in 1990, the old harbour areas turned out to be a great urban development opportunity for the city.

In 1992 the city of Strasbourg organised an International Competition of Ideas for the urban development of this East-West axis, covering the old port’s land up to the Rhine. The designs envisioned urban continuums expanding throughout the city and connecting them to the river by this urban strip in between Strasbourg’s north harbour and south port area, while also creating connections to Kehl’s urban fabric. Though not of operational use, the 1992 designs gave rise for the first time to the idea of cross-border urban development, which was to be reinforced in 1993 with the opening of the borders. Although the idea existed long before, it was only by the end of the 2000s that both French and German stakeholders commonly put pen to paper in a joint document (Ecocités).

Meanwhile, the first official step in this direction was the engagement of Strasbourg’s and Kehl’s local authorities in a common project: a cross-border garden park located on both riverbanks of the Rhine (Jardin des Deux Rives) in 1996. Completed in 2004, its construction became a symbolic gesture marking a different understanding of the border, a closer partnership between the two countries, a symbol of their European roots, and also the beginning of a closer collaboration between French and German stakeholders.

The Ecocités approach, elaborated in 2009, was the first official document expressing the cross-border metropolitan goal and stating common principles for a shared urban strategy. Signed by both Strasbourg’s and Kehl’s authorities, Ecocités structured the cross-border urban development within three specific “threads” or networks: the blue hydrographical one, the green vegetal one, and the “red” one, specifically underlining the rail and light-rail (tramway) public transport infrastructures. (Figure 9: Ecocités Approach)

At its core, a cross-border metropolitan “belt” connecting Strasbourg and Kehl’s city centers and accommodating new metropolitan facilities and functions would take shape in the old port and the “green belt” areas, resuming the initial ideas of the Strasbourg-Kehl axis, studied in 1992. But, for many observers, this urban cross-border development directly threatened (at least on the French side) the accessibility of the northern and southern port areas, weakening and ultimately leading to a decline in port activities.

These issues became strategic key points regarding the discussions between urban and port authorities and thus led to two co-produced documents: the Development Agreement CUSS/City/Port (2010) and the Schéma Directeur des Deux Rives, the Two Riverbanks Masterplan (2012).

In the first document, the Port recognized the decommissioning of its central part as an active productive area, but decided to maintain ownership of the land. Future urban development of this territory is therefore further subject to a shared project management between the two authorities. The city also committed to ensuring and reinforcing existing industrial activities, and to maintaining a dual access to harbour areas. Both sides were equally strongly in favour of acting for the betterment of the environment and working together as partners by putting into place joint energy transition strategies.

DOI: http://dx.doi.org/10.7480/iphs.2016.3.1255
FIGURE 9  Ecocités Approach, Strasbourg, the two-riverbanks metropolis (Strasbourg, métropole des deux rives): general view

FIGURE 10  Two Riverbanks sector (Schéma Directeur des Deux-rives) - extracts, Reichen et Roberts et associés/CUS-PAS, 2011

FIGURE 11  Border thickness (L’épaisseur de la frontière), urban design project - international competition "Cours des douanes Kehl et Strasbourg (Custom’s Yard Kehl and Strasbourg)", 2012-2013, CMYT et associés/CUS-DAUH Ville de Kehl, aerial perspective: Matthieu Buisson.

FIGURE 12  The harbor and the cross-border urban projects (under construction)
Accordingly, in 2012, in the Schéma Directeur des Deux-Rives, the eastern, cross-border part of the “belt”, called the Two Riverbanks sector (Deux Rives), represents the spatial framework of these commitments. Designed at first to mainly accommodate tertiary and economic activities, the project gained a stronger residential dimension. (Figure 10: Two Riverbanks sector) This development strategy relies on a new planned cross-border tramway line, which would complement the existing east-west railway and road networks, and become the main structuring element of urban development, according to a TOD10 approach. This joint development strategy is an interesting and complex example of the three intertwining “threads” (blue, green and “red”). On one hand, the city port relationship demonstrates both the strategic role of the port as a multimodal platform as well as its priority as an economic site11 for the city. On the other hand, we can see the strategy used in residential areas to reduce heavyweight traffic and pollution sources. From the German border perspective, the city-port interface issues are similar. New residential neighbourhoods, connected to the tramway line coming from Strasbourg represent the city’s extension to the north, beyond the railway station, next to the Kehl harbour. The old French and German customs sectors representing the face-to-face urban development across the Rhine, were the object of an International urban design competition in 2012. (Figure 11: Border thickness (L’épaisseur de la frontière), urban design project - international competition)

The numerous ideas, sketches and designs that have been developed since the 1990s for Strasbourg, are finally coming together in the new cross-border urban band, which is still under construction. (Figure 12: The harbor and the cross-border urban projects -under construction) The ambition to keep the two sides of the Rhine together while remembering the multiple heritages of this strip - military functions, industrial features and heavy transport networks crossing the harbour areas -, finally leads to a unique way of imagining cross-border development. In Strasbourg, this important cross-border metropolitan project responds at first to the desire to build the “city within the city”, as well as to the goal of reconnecting to water through direct contact with basins and the Rhine. Throughout its development, what really emerges is the very idea of building the city within the port, as seen by the Port Authority position itself as a proponent of keeping control of the land.

Today, as discussed within the new PLUI, the future of this dual-harbour cored metropolis evokes new challenges related to industrial ecology, energy transition, environmental concerns, innovative mobility as well as contemporary urban conditions and lifestyles. A new life-cycle is still at its beginning, based on the heritage of the historical structures and infrastructures of the early twentieth century metropolis.

Thus, as we have emphasized with our work as urban designers (Atelier CMYT) and with our research (AMUP laboratory), the challenge for Strasbourg is to give life to the cross-border metropolis by relying on existing mobility infrastructures, ports and railways, which are all the technical and humanistic heritage of urban planners from the late nineteenth and early twentieth century; Joseph Stübben and Georg Simmel in particular. The future scenarios we develop through our action research and master workshops, envision for Strasbourg 2030, resulting encounters between a “smart” and a “human” city, between high speed and slow mobility, between historical heritage and multiple horizons of expectation. It is through these encounters that Strasbourg may continue to be a resilient and sustainable city.
Acknowledgements

The authors thank Lauren Doppler-Speranza and Jeremy Allan Hawkins for their review and assistance for writing in English. Our researches would not have been possible without the commitment of the stakeholders of the Eurometropole of Strasbourg within the Chair of Innovative Metropolitan Mobility (ENSA-SYSTRA-CAUP/Tongji): seminars, research platforms and FabLabs.

Disclosure Statement

The authors state no potential conflict of interest.

Notes on contributors

Cristiana Mazzoni, architect and urban designer, is professor in Architecture and Urban planning in ENSA of Strasbourg. She is Director of AMUP research laboratory (EA 7309), ENSAS-INSA of Strasbourg, and of the Sino French Chair of Innovative Metropolitan Mobility (ENSA-SYSTRA-CAUP/Tongji). She is founder, with Yannis Tsiomis, of the Atelier CMTY (www.cmt-y-architecture.com).

Andreea Grigorovschi, architect and urban designer, is Associate Lecturer at the School of Architecture in Strasbourg (ENSA) and research fellow at ENSAS-AMUP laboratory. Her doctoral thesis questions recent paradigm shifts in urban design thinking, and their implications on both conceptual and methodological levels.

Hélène Antoni, architect and urban designer, PhD candidate at the School of Architecture in Strasbourg (France) and the Karlsruhe Institute of Technology in Karlsruhe (Germany). Her doctoral thesis deals with the development of urban discipline in the 19th century in Germany and its application in the annexed province of Alsace-Lorraine.

Bibliography


Baumeister R., Stadt-Erweiterungen in technischer, baupolizeilicher und wirtschaftlicher Beziehung, Berlin: Ernst & Korn, 1876.


Stübben, J., “Der Städtebau”, in Joseph DURM (eds.), Handbuch der Architektur, Darmstadt: Arnold Bergsträsser, 1890.


Primary Archive Sources:

Archives of the Ville de et de l’Eurométropole de Strasbourg (AVES):

159 MW 102 : Protokolle über die Sitzungen der Commission zur Feststellung des Bebauungsplanes für die Stadt Strassburg, 1879.

785 W 23 : plans du projet d’extension du port du Rhin 1913

8 PL 99 : plans du projet d’extension du port du Rhin 1930

Cristiana Mazzoni | Andreea Grigorovschi | Hélène Antoni

THE INDUSTRIAL AND COMMERCIAL HARBORS OF STRASBOURG: WASTELAND TERRITORIES IN TRANSITION TOWARDS A SUSTAINABLE CROSS-BORDER METROPOLITAN CORE

DOI: http://dx.doi.org/10.7480/iphs.2016.3.1255