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GAME CHANGER?
PLANNING FOR JUST AND SUSTAINABLE URBAN REGIONS

SciencesPo AESOP

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KEYNOTES SPEAKERS

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Sabine Barles, a distinguished scholar, holds expertise in civil engineering, urbanism, and the history of techniques. Currently serving as a professor of urbanism and planning at the University Paris 1 Panthéon-Sorbonne, her research is deeply rooted in an interdisciplinary approach. Barles explores the materiality of cities and their intricate relationships with surrounding territories and environments. Delving into the intersection of history, techniques, and the environment, she focuses on the transformative role of professions and knowledge, notably those of doctors and engineers, in shaping urban spaces since the eighteenth century. Barles' extensive work on the Paris agglomeration encompasses the management of water, by products, waste, roads, and subsoil. Her investigations have culminated in the concept of urban or territorial metabolism, examining the intricate web of energy and material flows within a temporal framework. These studies provide valuable insights into the formation of dominant socio-ecological regimes and the concept of transition. In recent endeavours, Barles has actively contributed to territorial foresight exercises on the scale of the Seine Basin and the Paris agglomeration, further solidifying her impact in the field.

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Alex Deffner holds a PhD in Planning Studies (London School of Economics and Political Science: LSE), an MSc in Regional and Urban Planning Studies from the LSE and a Bachelor's in Architecture from the National Technical University in Athens, Greece. From 2013 till his retirement in 2022, he has been a Professor of Urban and Leisure Planning at the Department of Planning and Regional Development (DPRD) in the Univeristy of Thessaly, Volos, Greece, where he has taught since 1996). From 2003 to 2022, he has been the Director of the Laboratory of Tourism Planning, Research and Policy. Also, from 2014 to 2020, he has been the Director of the Postgraduate Program 'Tourism and Culture Planning and Development'. Between 2016 and 2018, he was the Head of the DPRD. From 1988 till 1998 he has been working at the National Centre for Social Research (NCSR), Athens, Greece, as Special Scientific Staff of the Institute of Urban and Rural Sociology (IURS). Since 2020 he has been, as the Conference Officer, a member of the Executive Committee of AESOP (Association of European Schools of Planning). Since 2023 he is a Member of the 3part Steering Committee of the WPSC (World Planning Schools Congress) VI 2026, in the context of GPEAN (Global Planning Education Association Network). His research and publications in English (journals, books, and conference proceedings) relate to urban planning and regeneration, planning theories, city and place marketing and branding, time planning in cities, leisure (culture, tourism, sports, entertainment) planning, urban and cultural tourism, special (and mega) events planning, and cultural heritage. He is a member of the Academic Board of 'Transactions of the Association of European Schools of Planning' (since 2017), and he has been a member of the Editorial Board of the Greek journal 'Aeihoros: Papers in Urban and Regional Planning and Development' (2002-2020), as well as a member of the Editorial Advisory Board of the international journal 'Tourismos' (2006-2016). From 2000 till 2019, he has been a Chair of the Organising Committee of several International and Greek conferences.

Patrick Le Galès

Patrick Le Galès is Director of Research at the CNRS and Professor at Sciences Po's CEE (Centre for European Studies and Comparative Politics) in sociology, political science and urban studies. He teaches at Sciences Po's Ecole Urbaine and Ecole de la Recherche, as well as at the Transnational School of Urban Governance at the European University Institute in Florence (CIVICA European university alliance) and at IHEDATE (Institut des Hautes Etudes sur l'Aménagement du territoire). He is currently working on a project comparing WHIG modes of governance (What is governed and what is not governed?) and urban transformations in Paris, London, Sao Paulo and Mexico City. He has just completed a comparative research project on financialization and housing in Paris, London and Amsterdam (with Mike Raco and Tuna Tasan Kok). He has previously been Director of the International Journal of Urban and regional Research (1998-2005), Founding Dean of the Urban School at Sciences Po (2015-2022), President of SASE (Society for Advanced Socio economics) (2012-2013), Trustee of the Foundation for Urban and Regional Research, member of the CNRS Scientific Council (2018-2023).

Tuna Tasan Kok

Tuna Tasan Kok is a Professor of Urban Governance and Planning at the University of Amsterdam, Faculty of Social and Behavioral Sciences, and Research Group Leader of the Urban Planning Group at Department of Geography, Planning, and International Development Studies. She graduated from the Department of City and Regional Planning at Dokuz Eylul University of Izmir and completed a M.Sc. in Regional Planning at the Middle East Technical University, Ankara, Turkey (1966). She received a PhD in Social Geography on the topic of 'Budapest, Istanbul, and Warsaw: Institutional and Spatial Change' from the University of Utrecht, the Netherlands. She chairs UGoveRN (Urban Governance Research Network), which is a research platform she founded within the framework of the Urban Planning Group at UvA. Her research focuses on regulation of urban development andchange from different angles, on themes of urban governance, property-led urban development dynamics, and spatial organization through social relations.

Garbage And Perish?

Dennis Boquet (Ensa Strasbourg)
Sophie Didier (Laburba)
Olivier Sykes (The French And British Planning Studies Group)

Paris Olympics

Alain Bourdin (Coubertin Research Programme)
Helene Dang Vu (Université Gustave Eiffel)
Joël Idt (Coubertin Research Programme)
Jules Meunier (Coubertin Research Programme)
Raphael Languillon (University Of Geneva)

How Do We Evaluate A New Neighbourhood?

Agnès Bastin (Isige Mines Paris-Psl)
Benjamin Cadranel (Citydev)
Bertrand Vallet (Sciences Po Urban School)

Reinventing Land In Paris

Patricia Pelloux (Apur)
Stephane Lecler (Ville De Paris)
Sukriti Issar (Sciences Po, Centre For Research On Social Inequalities & Urban School)

Housing Renovation

Anne-Claire Mialot (Anru)
Ilaria Milazzo (Sciences Po Urban School)
Virginie Toussaint (Direction Des Affaires Européennes)

Density And Mobility

Charlotte Halpern (Sciences Po, Centre For European Studies And Comparative Politics & Urban School)
Eric Charmes (Entpe Lyon)
Tjark Gall (The World Bank)

Living Soil? The Containement Of Urban France

Brigitte Bariol (Fnau)
Xavier Timbeau (Institut De La Transition Foncière)
Jean Guiony (Sciences Po, Ofce)

Combating Housing Discrimination In France And The United States

Maryame Amarouche (Université Jean Moulin Lyon 3)
Ion Maleas (Ensa - Marseille)
Magda Maaoui (Columbia University)
Nicholas Marantz (Uc Irvine)
Paavo Monkkonen (Ucla / Sciences Po)

Special Session

(In)Finite Earth: Accelerating Circular Transition Of Urban Environments Through Construction Practices

Planning For Urban Mining: Using Urban Planning And Development Parameters To Optimize Spatiotemporal Dynamics Of Construction Materials Flows In Cities

Arta Bytyqi (Uclouvain/Kuleuven)

Rapid urbanization in recent decades has transformed cities into hotspots of accumulated anthropogenic material stocks. Given the scarcity of raw materials, ensuring city development within planetary boundaries requires the immediate implementation of circular material flows. Consequently, cities are increasingly viewed as potential mines for secondary resources, and recent research has introduced methods to model existing material stocks and forecast future dynamics. Most studies base calculations for future material demands on socioeconomic indicators that predict economic and population growth. Considering such predictions are foundational for planning city development, incorporating planning parameters could enable a more detailed understanding of future building material stocks by adding a spatiotemporal aspect to it. Therefore, this study analyzes the relationship between parameters used in planning city development—namely, planning documents, development regulations, and construction codes—and parameters used in bottom-up building stock modeling using the archetyping methodology.

The study examines the existing planning hierarchy and identifies where in the planning processes the spatiotemporal dimension impacting construction material flows is addressed. Furthermore, it analyzes the impact of specific planning parameters (such as land use, building function, density, parcel utilization index, floor area ratio or floor space index, and minimum space requirements) on modeling the dynamics of material stocks and highlights opportunities for optimizing material flows in space and time. Belgium serves as a case study for this analysis.

Understanding how specific planning parameters used for urban development in cities influence material stocks and flows enables their application as effective tools in promoting circular flows of building materials. Additionally, it facilitates the use of these tools for accurately modeling future material demands, supporting the spatiotemporal optimization of available materials and demands, with a particular emphasis on reuse as one of the most sustainable circular strategies.

Keywords *: urban metabolism, circular material flows, urban planning, urban mining*

Urban Mining Of Mineral Building Materials In The Ruhr Area: A Spatial Analysis

Constantin Diete (Drees & Sommer Se / Tu Dortmund), **Nguyen Xuan Thinh** (Tu Dortmund), **Jana Pauline Jegen** (Tu Dortmund)

The escalating global population, coupled with burgeoning urbanization and economic growth, forecasts a significant surge in resource consumption, notably non-metallic minerals vital for construction. Particularly, sand, a vital resource for the concrete and cement sector, faces extensive exploitation worldwide. Despite construction and demolition waste accounting for over half of Germany's total waste output, the utilization of secondary materials in building construction remains low. However, integrating secondary resources from anthropogenic deposits into concrete production is essential for reducing carbon emissions, promoting national resource autonomy, and minimizing habitat disruption to safeguard ecological systems. Given the substantial impact of transportation on the economic and ecological benefits of resource-conserving concrete (R-concrete), optimizing transportation routes in terms of distance and volume is paramount for enhancing the efficiency of the recycling process. Thus, the research presented delves into the critical task of effectively managing the recycling of mineral demolition waste for R-concrete production, focusing on spatial considerations within an urban and regional planning framework.

This research examines the efficient management of mineral demolition waste recycling, specifically for R-concrete production, from an urban and regional planning perspective. Through interviews with industry experts and site surveys, insights were gathered to develop a concept for a recycling hub. Subsequently, a location-allocation analysis using Geographic Information Systems (GIS) identified a suitable area within the Ruhr region, considering factors such as demand from former building activity and supply from population density.

As a result, the establishment of an R-Concrete Hub, consolidating stakeholders such as a cement plant, a mineral demolition waste processing facility, and a concrete mixing plant is being proposed. Bringing together these core stakeholders is expected to drop transportations tours in distance and number significantly and therefore reducing monetary and ecological costs of R-concrete to a minimum. Additional integration of stakeholders from the construction industry and public sectors is further expected to enhance the public awareness for sustainable concrete and construction materials. The Ruhr area, known for its high population density and industrial heritage, as well as multicentricity emerges as an ideal location for such a hub. By leveraging existing sealed areas and recognizing sufficient distance to settlement zones, potential environmental impacts are mitigated within the spatial analysis.

Among potential locations, the city harbor of Essen stands out due to its excellent connectivity. As the city is actively involved in a master planning process for this region currently, it presents a critical juncture to further refine and implement the concept of the R-Concrete Hub, potentially breathing new life into the practice of Urban Mining.

In conclusion, this research provides insights into spatially optimizing mineral demolition waste recycling for sustainable R-concrete production in the Ruhr area. The proposed R-Concrete Hub concept offers a pathway towards a more resource-efficient construction industry, aligning with broader discussions on Urban Mining's environmental and societal benefits. Nevertheless, the dearth of available data for accurately estimating the current extent of anthropogenic stock underscores the necessity of establishing a material inventory. This inventory is essential for optimizing waste reuse and ensuring precision in site planning endeavors.

***Keywords** : Resource-conserving concrete, Recycling hub, Location-allocation analysis, urban mining, circular economy, Ruhr region*

Sustainable Urban Metabolism: A Comprehensive Analysis Of Circular Economy Implementation In The Construction Industry Of The Ruhr Area

Pauline Jegen (Tu Dortmund)

The conventional construction industry is a significant contributor to environmental impacts on both the built and natural environment. The integration of circular economy concepts influences production and consumption patterns within the construction sector, promoting improvements across the environmental, economic and social dimensions of sustainability. Circular construction practices, rooted in an interdisciplinary approach that emphasises the central role of urban planning, are proving to be instrumental in shaping sustainable urban spaces.

Particularly in regions undergoing urban transformation, the consideration of circular building practices aligned with urban metabolism becomes imperative. The Ruhr region in Germany is an example of such a region, experiencing a shift from reliance on mining and steel to services, technology and knowledge-based sectors. Characterised by a complex network of urban centres, industries and infrastructures, the Ruhr area requires adaptation to the dynamic needs of industry and society. Circular economy (CE) applications are proving to be instrumental in this transformation process.

CE implementations involve the recycling of construction and demolition waste to use recycled aggregates for civil engineering or RC concrete for building construction. However, the importance of CE approaches goes beyond the recycling urban resources. They are also crucial for designing new infrastructure with sustainability in mind from the outset. Strategies such as extending the life of buildings through adaptive reuse, smart manufacturing and incorporating design for disassembly into new construction have proven effective in reducing the environmental impact of the construction industry. These approaches not only minimise waste, but also establish a sustainable model for material consumption in spatial planning.

In light of these considerations, this study carefully examines the potential for promoting circularity and sustainability in the construction sector in the Ruhr area through comprehensive material flow analyses. It presents an in-depth examination of construction and demolition management practices in the region, elucidating current the current supply chains qualitative and critically assessing statistical data, technical specifications and legal standards. The study aims to quantify the material flows, taking into account factors such as energy consumption and CO2 emissions. Having identified those measures it is possible to analyse which circular approaches are already implemented and which need to be focused on more.

The results show that the current construction supply chain in the Ruhr Area is still conventional, resulting in the use of many natural resources. However, the findings also indicate that a significant amount of material recycling is taking place in the Ruhr Area. CE practices such as reuse and rethinking are still underrepresented. Implementing these practices would improve the use of natural resources and lead to lower CO2 emissions and energy consumption. This underlines the importance of further research into the implementation of a holistic circular economy in urban planning. The implementation of the urban metabolism can be further refined and aligned with circular principles.

***Keywords** : urban metabolism, circular economy, urban mining, circular city*

The Future Of Planning: What Are We Facing And How Do We Prepare?

The City Of The Day After Tomorrow (Stadt Von Übermorgen)

Marion Klemme (Federal Institute For Research On Building, Urban Affiars And Spatial Development)

The project "Thinking about the city of the day after tomorrow" was run by the German Federal Institute for Research on Building, Urban Affairs and Spatial Development (BBSR). The aim of the recent project was to help focus on the future in a complex environment by identifying relevant trends of the city of übermorgen ('the day after tomorrow') and highlighting the various impacts these trends have in different types of cities and spaces. The German federal government's interest in the 'City of übermorgen – Future workshops and workshop materials' project revolves around aiding (municipal) players in talking about the future, supporting independent future workshops, providing guidance and defining scope for action early on.

On the basis of a structured research, a trend collection with more than 150 individual trends emerged, each of which was evaluated on the basis of the criteria of horizon, geographic reach and effectiveness. All trends were described with regard to opportunities and risks, drivers and blockades.In order to make working with the trends manageable, the individual trends were condensed into fifteen „trend molecules". The trend molecules are for example "man-machine life", "live longer, be more active", "hyper-diversity" etc. In regional workshops the project explored possible effects of the trend molecules on concrete areas in the different cities - like smaller cities with university milieu, long-term shrinking larger cities, regional metropolis etc. In the workshops, participants explored possible future options for a pre-defined set of spatial elements of each particular sub-area. The elements were ranging from retail stores to hospitals to urban services.

A method kit helping municipal players use formats, methods and specific workshop materials to ask relevant future-oriented questions was developed. It is aiming to consider long-term developments and explore political priorities as a means of examining next-generation issues. The method kit was tested and constantly further developed in cooperation with cities and municipalities of varying size and geographic location in Germany. As part of the project seven local future workshops were conducted. The COVID-19 pandemic meant the workshops were predominantly conducted digitally. During the kit-preparation process, emphasis was placed on ensuring applicability both in face-to-face and digital workshops.

In addition to the developed "trend molecules" and an extensive "method kit", the project has also resulted in a procedural and, above all, content-based analysis. Thesis-like the most pressing (future-related) matters within German municipalities are summarised as a conclusion, stemming from the local future workshops and accompanying conversations.

A range of different methods were tested and evaluated in the local future workshops. The findings have been recorded in the form of observations and incorporated into the method-kit content: The trend molecules proved to be a good way of making the complex trend landscape accessible. Constructive, experienced moderation addressing the idea of 'the day after tomorrow' is crucial to a successful future workshop. Access via fictitious personas facilitates the shift in perspective (departure from one's own role) and the conversation about the future.The workshop materials need to set a clear time frame for the future workshops, create a reliable framework for visionary thinking, and simultaneously act as a navigation aid to provide guidance in the future.

Thinking about the city of „übermorgen" is about dealing with uncertainty. It is important to be open for trial and error without questioning the whole approach. The main question behind all discussions is „How do we want to live?". Future-oriented discourse in workshops is driven by the diverse participants; the more varied the perspectives, the easier it is for the discourse to extend beyond todays agenda.

***Keywords** : planning transformation, urban futures, tool box, trends , future planning*

Planning With Foresight

Petra Hurtado (American Planning Association)

Planners help their communities navigate change and prepare for an uncertain future. Planners shape the future of communities, but to be able to shape the future, planners need to be able to imagine it. However, the accelerated pace of change and increased uncertainty about the future make it ever more difficult to prepare for what's on the horizon and to imagine what the future might look like. Tech innovations, societal shifts, climate change, economic restructuring, political shifts, and related emerging trends and disruptors make it ever more difficult to effectively plan for a future where the only true certainty is more change.

At APA, we have identified several shortcomings in planning that result in linear, static, reactive, and discriminatory plans. However, planning should be forward-looking, inclusive and diverse in perspectives, agile and resilient at the same time, and proactive instead of reactive.

Creating resilient and equitable plans requires knowledge about potential drivers of change and a nimble process that allows planners to pivot while the future is approaching. Strategic foresight is an approach that can resolve this issue. Strategic foresight aims at making sense of the future, understanding external drivers of change, preparing for what's to come, and being able to pivot while the future is approaching.

Planners can use strategic foresight to help their communities navigate change and uncertainty. It can make plans more resilient and agile. And it can foster a more inclusive community engagement and allow for equitable outcomes. Today's planning processes start with present challenges based on data from the past. Foresight starts with the future and reverse-engineers what needs to happen today to achieve the most desirable outcome in the future. Foresight combines the processes of forecasting and backcasting (understanding how to prepare for what's to come). Horizon scanning and understanding external drivers of change can reveal potential roadblocks the community might encounter along the way toward its envisioned future. The key is to create a plan not just for what the future in 10 or 20 years will look like, but for how to achieve the community vision and goals while pivoting and adapting along the way.

As part of APA's foresight program, we publish an annual Trend Report for Planners that outlines emerging trends and potential drivers of change that are relevant to planning. It is important for planners to integrate foresight into their work to make their communities more equitable and resilient. This Trend Report serves as a tool for planners when using foresight in their work. Practicing foresight provides an opportunity for planners to create more resilient communities by better preparing for potential disruptions, by developing equitable solutions before a challenge arises, and by finding inclusive mechanisms to change directions when needed without leaving anyone behind.

In this interactive presentation session, attendees will learn about APA's foresight approach that aims at helping planners navigate change and learn how they can use this approach to prepare their communities for an uncertain future. In addition, emerging trends and potential drivers of change that will have an impact on the future of the planning profession as well as the communities planners make plans for will be presented. These are highlights from APA's 2024 Trend Report for Planners that was published in January 2024. Let's use the future to create great communities for all!

Navigating Tomorrow: Aesop Young Academics Network's Take On The Future Of Planning

Sila Ceren Varis Husar (Slovak University Of Technology), **Milan Husar** (Slovak University Of Technology)

Tomorrow's challenges are inherently complex, ranging from rapid urbanization and climate change to social inequality and technological innovations. Planning processes must prioritize equity and inclusivity in the built environment. The pressing environmental challenges demand a paradigm shift in planning. The digital age presents exceptional opportunities for planning and the planners, data-driven decision-making, re-constructed planning processes as seen in for instance smart cities. Interconnecting the world through global collaboration and thinking beyond borders are vital for navigating tomorrow. Our standpoint is that the future of planning lies in the hands of the next generation of scholars.

Embarking on the journey of envisioning tomorrow's urban/rural areas and planning approaches/methodologies, the collective discussions of AESOP Young Academics Network have traversed a rich embroidery of ideas, priorities, and proposals. The discourse has been both dynamic and comprehensive scrutinizing the various faces of future planning challenges from delving into the key priorities for young planning scholars to deal with the future challenges (Varış Husar et al., 2023) to rethinking the spatial futures of Europe through the lens of the new generation of planners (Varış Husar et al., 2024).

We build upon the previous discussions which center on addressing critical questions that shape the trajectory of young planners careers and planning in broader sense. We explore the critical challenges that either currently or are anticipated to dominate the careers of young planners. We delve into the essential capacities that today's and tomorrow's young planning professionals need to possess in order to effectively respond to these challenges. We examine the necessary actions and responsibilities that different stakeholders should undertake to confront current and future challenges effectively. We scrutinize whether they actively contribute to and are integral to the ongoing changes in both research and practice, emphasizing their potential as transformative agents within the field. These questions, thoroughly explored in previous work, collectively guide our understanding and commitment to shaping the future of planning.

Key messages from our discussion are to advocate for an interdisciplinary approach, emphasize the significance of equity, sustainability, and resilience, and to acknowledge the transformative potential of technology and global borderless collaboration. This synthesis serves as a compass guiding us toward a future where planning scholars play a pivotal role in crafting cities that seamlessly balance progress, inclusivity, and sustainability. This contribution aims to take a step further the discussions in the ever-evolving landscape of urban planning and future, and the voice of young planners.

***Keywords** : Future planning, Young Planners, Uncertainties, Challenges, YA Network*

The Future Of Planning: Four Scenarios As Starting Points For Strategic Development

Thorsten Wiechmann (Tu Dortmund)

We don't know what the future will look like. Nevertheless, in view of current megatrends such as digitalization, demographic change and climate change, it is worth asking what the future of spatial planning could look like in 2050.

In the 21st century, politics as a whole is in the process of changing fundamentally. To date, there has been little debate about whether and to what extent spatial planning should be realigned in response to new realities. For example, what do new technologies and social developments mean for participatory planning procedures? Will rational and participatory approaches to balancing interests and reaching agreement still be needed in the future, or will they be needed more than ever? Current trends also offer opportunities for the planning of the future.

This paper presents four scenarios for the future of planning that have been developed by a working group of the Academy for Territorial Development in the Leibniz Association (ARL). The focus is directed towards supra-local planning and its long-term perspectives. It is about thinking about the spatial planning of the day after tomorrow and about the political value of integrative approaches to sustainable spatial development.

Scenario techniques are planning and analysis methods that outline possible developments. The scenarios created are intended to help recognize risks, identify opportunities and - in terms of preparedness - better prepare for a fundamentally uncertain future. They are used in very different areas to make better decisions under uncertainty (see Steinmüller 2012, Abou Jaoude et al. 2022).

The ARL working group used a scenario process consisting of six steps in total. At the beginning, the focus was on recognizable trends in spatial developments of the future. These were recorded, grouped and structured on the basis of existing future studies (Hurtado et al. 2022, BBSR 2020). Subsequently, the focus was on the potential reactions of spatial planning.

The purpose of the scenarios presented here is to create a basis of understanding for a discourse on the future within the discipline. Based on our current knowledge, they are intended to provide indications as to which developments and the associated opportunities and risks spatial planning could face. This provides planners with a basis to better prepare for different futures and to (more easily) make strategic decisions under uncertainty in the present.

The scenarios presented here in short form represent four possible, internally consistent planning futures. However, due to the different characteristics of the key factors in each case, they are mutually exclusive. Each of the four scenarios contains specific opportunities, but also risks for spatial planning. These need to be addressed. In the logic of backcasting, the question is what needs to be done in order to exploit the respective opportunities and reduce the respective risks. In other words: what measures should be taken to move from a possible to a desirable future?

***Keywords** : Spatial planning, Planning future, Scenarios, Megatrends*

(Un)Care And Austerity. Learning From New Urban Care Commoning Practices And Policies part I

Urban Commons And The Welfare Mix: Preliminary Notes On A Risky Turn And The Power Of Space.

Verena Lenna (Vub)

As pointed out by Italian jurist Stefano Rodotà, commons inherently represent an essential resource for human emancipation and, therefore, a crucial layer of any welfare architecture. However, in the case of urban commons, the relationship with welfare systems is increasingly problematic.
Emerged as alternatives and critiques to the extractivist and speculative dynamics of the neoliberal turn of capitalism, centred on care and the shared governance of resources, many urban commons continue to enjoy an autonomous operational space. On the other hand, many others are increasingly supported by local administrations in ways that are not so different from those concerning the third sector. The very definition of the third sector easily allows including urban commons as well.
In the past, the increasing collaboration of the third sector with the state and market actors led scholars to define the welfare mix or third way or état social actif and to point out some critical aspects: such as a contractual and managerial approach, exclusivity, de-responsibilization, increased tolerance of extractivist logics with no impact on their reproducing mechanisms.
Bearing in mind the risks associated with the welfare mix season, based on my current research project on community welfare infrastructures in the Brussels Capital Region as a specific type of urban commons, I will problematize the contribution of urban commons to the existing welfare infrastructure, in between the risk of losing their political agency and the opportunity of transforming the current administrative paradigm.
My working hypothesis is that during a slippery moment such as the present one, and more in general, it is precisely the spatial nature and origin of many urban commoning initiatives that offer the conditions for preserving the political nature and agenda of urban commons, no matter their marginality and no matter the direction of existing transformative processes.

Keywords *: urban commons , welfare mix, space*

Infrastructures Of Care Under Austerity Urbanism: The Case Of A “Social Self-Managed Town” Hall In Bologna

Maria Grazia Montesano (Pacte, University Of Grenoble), **Teresa Carlone** (Department Of Sociology And Business Law, University Of Bologna)

The spatial and urban implications of the notion of care are drawing increasing attention in the academic debate (Fitz and Krasny, 2019; Milligan, 2001). This paper would like to discuss the emergence and the ambivalent effect of an alternative “infrastructure of care” within municipal public assets management in European cities through the case study of Bologna. The literature on austerity urbanism highlights the mechanisms of privatization of public assets, especially related to care services and social assistance to people, and its major effects on socially disadvantaged and vulnerable groups (Stuckler et al., 2017). At the local level, austerity have boosted policies of valorization and optimization of public assets, mainly buildings and land, in several European countries. Indeed, if austerity has exacerbated the issue of uncaring institutions weakening the public infrastructure through mechanisms of alienation and sale of public properties, it has at the same time experimented new mechanisms for optimising public heritage. At the cities level, this has produced new forms of contractualization between public administrations and citizens with ambivalent effects (Carlone et al., 2022). In this context, cities witnessed the spreading of self-organized and bottom-up care services mainly run by social movements using a community-based-approach resulting in forms of mutualism for the provision of public services (Mura, 2021). Where these practices take place and how are they shaped? How do these geographies of care come alive? What is the relationship with local governments and how their governance relates? We will assess those questions by exploring the case of the “self-managed social municipality” Làbas in Bologna, established in an historical public building and cohabitating with traditional municipal services. Làbas offers a wide range of bottom-up care services, such as a “popular health center”, afterschool activities for children, a daytime space for the homeless people, neighborhood lunch and it is also an open public space to freely hang out. A participatory observation started in October 2023 is allowing us to get important insights on how the notion of care is conceived and how it takes place within this space. The Làbas case represents an interesting case study from this perspective, enabling further exploration whether these experiences can establish an alternative “care system”, partly integrated and partly substitute to the public one. It also highlights the contradictions this dynamic generates at the urban and social levels within the context of austerity urbanism. Our paper will firstly present the case study within the context of valorization and optimization policies in Bologna in the last ten years. We will show how Làbas is part of a complex geography of public assets which inertwines austerity and care. We will then enter into the space and present the history of the building and how it has been progressively activated by different uses since the arrival of the collective in 2017. Finally, we will analyze the activities of the collective and the tensions and ambivalences that these “alternative care infrastructures” open up in the public and political debate.

***Keywords** : care infrastructures, public assets, austerity urbanism, community-based services, spaces of care*

Who Cares For The Unfinished City? Exploring Sociópolis In The Here And Now.

Matilde Igual Capdevila (Akademie Der Bildenden Künste Wien)

Fifteen years after the onset of the financial crisis, unfinished housing estates remain an unavoidable reminder of its consequences in periurban landscapes in Spain and elsewhere. The new landscapes of ruination and decay appeared in the aftermath of the real-estate bubble burst have been routinely considered as icons of the failures of an urban regime characterised by neoliberal urbanisation and housing financialisation. Simultaneously, however, the unruly and messy nature of vacant lots, uncomplete structures and terrain vagues that characterizes the unfinished city is often celebrated for its informal aesthetics and for the potential for self-organisation that arises from it.

Yet, urban unfinished realities do not merely symbolize or empower, they also reveal a crisis of care. Partially built housing, failing infrastructures and deficient public facilities directly affect its inhabitants' everyday lives, rendering their livelihood more precarious through tenure insecurity, difficulties in accessing healthcare and education services, spatial isolation, etc. The infrastructures that sustain life are missing. If unfinished urban spaces are spaces of possibility open to urban commoning practices, they also remain spaces in which the institutions that support the business of building-as-usual have not managed to generate a caring city that provides liveable conditions to its inhabitants and particularly answers to the needs of those who are more vulnerable. Both celebrated and abandoned, uncared for and uncaring for (Gabauer et al. 2021), the unfinished city illustrates well the contradictions that debates around care need to face.

This paper focuses on Sociópolis, an ambitious project for a model city for the future located in the outskirts of València. Initiated in 2003 by a group of emergent international architects, construction works began in 2007 but soon after, as a result of the 2008 financial crash, the burst of the Spanish real estate bubble and subsequent so-called austerity measures the development was halted. Today, Sociópolis presents an unfinished urban reality. While over a thousand people inhabit the neighbourhood, it lacks most services and is isolated from the city by infrastructures.

This paper proposes a case-specific study that localises care practices among the urban unfinished and seeks to answer the question 'Who cares for the unfinished city?' This political question (Tronto 2015) draws attention on those who enact care in Sociópolis. The analysis is grounded in the notion of critical care (Fitz and Krasny 2019) and raises questions on spatial appropriations, hands-on interventions and explores the ongoing, actually-existing, practices of commoning that reinvent relations among humans, nature and land (Gibson-Graham 2007).

Following the proposition that 'stories of everyday care amidst the epic decline and neglect of Earth need to be told' (Puig de la Bellacasa 2017), this paper critically examines activities carried out on site by activists, urban farmers, community workers, artists, teachers, etc. including cleaning and maintenance but also struggles against evictions, soil reparation farming, and memory keeping of the land. The diversity of the examples illustrate the ambiguities and contradictions around urban commons and care, but also serves as a grounded reminder of their potential in the here and now.

Social Reproduction Of Resistance In The City: Practices Of Care In The Urban Commons. Dialogues On The Cases Of Rome And Naples

STEFANIA RAGOZINO (National Research Council Of Italy, University Of Naples), **Chiara Belingardi** (University Of Florence - Lapei)

As stated by Nancy Fraser (2022), capitalism is constantly subtracting individual and social energies and resources from everyday life, and in particular from reproductive activities and care. As Gago and Cavallero (2020) highlighted, capitalism extracts resources through debt relationships, by inducing people to borrow money to satisfy their basic needs, and in this way force them to accept any kind of work and working conditions. These conditions became more relevant during the financial crisis of 2008, which inaugurated a new season of different and overlapped types of crises that have dramatically intensified hierarchies, phenomena of oppression and marginalisation, as well as inequality, which have strong impacts on urban everyday life.

The paper is framed within the scientific debates about feminism and urban commons with a specific focus on social reproduction of resistance in the city (Peake et al. 2021). We agree with Silvia Federici (2023: 38) when she writes «Some have suggested that the city represents humanity's most coherent and successful attempt to shape space in our image. If this is true, then the face of the city today is that of a woman; because it is women who, in an increasingly dead and atomized urban space, are reviving sociality and urban creativity». Resulting from the active observation of the everyday life activities, relationships, and needs, the paper aim to reflect on different care practices, called as 'affective', which are representative of wider resistance movements acted within urban contexts and aimed at liberating spaces from risks of privatization and phenomena of urban degeneration.

For a long time 'caring' was considered an individual, private activity. Thanks to feminist scholars and debates, it became evident that it is also a political and social issue at the base of the reproduction of life. Therefore, it needs to be grasped as a public shared responsibility, to be supported by infrastructure and common actions, which can result in urban commons. By putting in common personal basic needs and practices to overcome the crisis, these kinds of activities demonstrate how 'personal' can become 'political' (Angel, 2021): a political action that contests the structural basis of injustice by creating a collective identity within domestic and urban contexts as well as consolidating processes of self-valorisation and self-determination.

The paper explores how feminist practices and thoughts influence relationships among urban commons and grassroots movement for the right to the city, by describing and comparing communing experiences in Rome and Naples. Lucha y Siesta and Berta Caceres in Rome, and Lido Pola – Bene Comune together with Villa Medusa Casa del Popolo in Naples will be the starting points to describe care relationships, both material (how they respond and distribute the tasks among activists – Katsikana, 2021) and immaterial (how they take care of each other and other people - Boler, 2014). The final remarks will address the topic of vulnerability and interdependence, as a new way to read the social and political relationships and as the starting point a new urban life.

***Keywords** : urban commons, feminisms, social reproduction, care practices, Naples, Italy, Rome, Italy*

(Un)Care And Austerity. Learning From New Urban Care Commoning Practices And Policies part II

Urban (Un)Care And The Sociology Of The Body In Unsettled Times - Qualifying The Body As A Scale Of Spatial Analysis

Sabine Knierbein (Tu Wien)

The disruptive and uneven features of war, the pandemic and its prevention measures have deeply impacted the quality of social relations and the ways in which societies treat care. However, austerity regimes have left their structural trace on social relations quite before these recent moments of acceleration, crises and emergency - this is what is broadly referred to as the unsettled urban condition. As the care crisis also signals an urban crisis, this paper is interested in the multifaceted nature of crises rhetoric, narrative and phenomena. Simultaneously, the unalienated caring relations based on material and spatial moments of mutual encounter offer a way out of the very same crises. This paper draws transfers from an already published volume of Care and the City. Encounters with Urban Studies (Gabauer et. al. 2021) and introduces analytical dimensions that relate care to the sociocology of the body and to aspects of conceiving of care as a premise for reorganizing the polity and communal life.

To use both care and the body as a conceptual lenses, and to render the 'crises of the body' as an empirical focus means to recognize and engage with an important scholarly work and activism which has developed since the 1970s. It includes feminist struggles around the recognition of reproductive labor, the epistemological implications of new standpoints based on care and domestic work, and conceptualizations of care as a mode of ethical action qualitatively different from discourses on rights and justice.In the subsequent two decades, the feminist care tradition has been embraced by a variety of disciplines. From education and social work to business, economics, and accounting, care—or the lack thereof—has been mobilized as a conceptual framework for studying a broad range of phenomena, from migration and citizenship policies to commercial surrogacy. The feminist care tradition has also been referred to as a hopeful anchor point in rethinking the relation between planning, urban design, architecture and capitalism in favor of practices that would in an ethical and inclusive way engage with the deteriorating ecological conditions, while acknowledging various forms of labor and creating conditions for the co-existence of different economies. Scholars have furthermore been committed to diagnosing the nature of the care crisis, showing in detail how and why social carelessness has come to structure and take hold of so many dimensions of life. Thereby they have articulated the care of others, society, and the environment as a valid alternative to the destructive force of (urban) financialized capitalism. This book relates care and uncare to embodied politics of attention and abandonment, and highlights crucial connections between the care crises and the crises of the body, while marking their spatial and urban dimensions.

Keywords *: care, uncare, embodied space, unsettled urban condition*

Can Care Help Imagine Place Futures? Exploring The Potential Of Care As A Conceptual Framework For Place-Making

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The future of places - as locales of everyday life through which people experience and make meaning of their world – is complex and uncertain. Not only do the needs of diverse stakeholder groups demand to be met, but a changing social and environmental climate destabilises long term planning goals. Indeed, there is increasing recognition that places are not domains of endless growth, but rather their condition oscillates over time. To address these challenges, this paper explores how the concept of care can act as a conceptual framework for understanding complex places and imagining their possible futures.

Care is burgeoning as a major concept within the humanities and social sciences. Developed originally from feminist scholarship within traditional care contexts, care is increasingly being mobilised as a concept for thinking and analysing in contexts including science-technology studies (eg. Puig de la Bellacasa, 2017), heritage studies (eg. Veldpaus and Szemző, 2021) and planning (eg. Davoudi, 2023). Within these contexts the uses of care are diverse, ranging from speculative thinking to identifying sets of care-taking practices. However, the care concept requires greater theorisation and testing of its utility within a planning context. This paper seeks to address this through exploring the utility of care as an analytical tool in place making projects.

Imagining possible futures for a place rests on a thorough understanding of what that place currently is – including its physical, social, historical context and current challenges. Care has potential to structure the analysis needed to yield this understanding. This paper draws from scholarly literature on care to propose four characteristics of the care concept useful to building an understanding of complex places and their potential futures. The characteristics of care explored in this paper are: (1) recipients of care; (2) care relations; (3) care contexts and (4) care practices.

To examine (1) the recipient(s) of care, the paper follows from critical care scholarship to interrogate for what is care given? Recipients of care include people, material things, the physical environment and future visions. What receives care is underlaid by what is valued; an identification of values is therefore a necessary component of the analysis. (2) An analysis of care relations follows from Tronto (2017) in understanding that care is relational. Examining relations of care highlights the different actors involved in places and their futures: this includes planners and civil society, but also their wider environment. Although this paper follows Huijbens (2023) in foregrounding human agency and therefore does not delve into the more-than-human turn, it nonetheless recognises that the material environment plays an important role in structuring and motivating care relations. A focus on (3) care contexts recognizes that acts of care are inherently situated and context-specific. Finally, a focus on (4) care practices recognises that there are different ways to care. In particular, it departs from a critical care perspective (such as articulated by Puig de la Bellacasa 2017) to highlight that care is not always "good" or "good for all" but rather examines the myriad effects of caring practices.

The utility of this framework is briefly explored through a case study of future making strategies in Northumberland National Park, England, centred around the Northumberland National Park Authority management plan. The final part of the paper reflects on the utility of the care concept in understanding and imagining possible futures for Northumberland National Park. This paper draws on research undertaken as part of a PhD project at the University of Gothenburg, Sweden.

Keywords *: care, place, Conceptual Framework, place-making , futures*

Urban Care: A Perspective For A New Critical Paradigm Of Urban Regeneration?

Caterina Di Lucchio (Politecnico Di Torino)

In 1997 Amin and Graham reported that "a veritable deluge of newspaper and magazine reports now addresses urban crises and 'regeneration' processes," whose descriptions oscillate between gloomy predictions of "urban doom and optimistic portrayals of an urban renaissance" (p. 411), with the explicit intention of confusing. The 'trickle-down' theory, which states that rapid economic growth benefits society as a whole, has been debunked. The 1980s saw the emergence of 'divided cities' and 'cities of conflict' characterised by 'islands of renewal' surrounded by 'seas of decay' (Carmon, 1999). More than two decades later, these insights remain relevant as governments continue to seek a 'rebirth' of cities (Furbey, 1999), with neoliberal urban policies intertwined with this agenda. This process involves cities in the creation of discursive practises, the translation of images and symbols, and the shaping of representations of urban reality that influence public policy and private action (Porter, 2009). The term 'regeneration' is not explicitly theorised and encompasses various urban processes and it originates from biomedicine and compares the city to a sick body. It suggests that the bearers of urban suffering must be treated as a public health problem. The language reflects a natural cycle in which organs regenerate and the whole structure benefits (Vicari Haddock, 2009). However, the distinction between normality and pathology is unclear and is reflected in the criteria used to label contexts as 'diseased' and the limited research on the impact.

In the context of renewed attention to the relationship between health and the urban environment, urban regeneration infrastructures have become focal points for community development in the midst of the pandemic. Mutual networks have organised solidarity actions that have fostered unexpected connections without predetermined goals: real Communities of Care have emerged that go beyond the boundaries of private homes and public spaces. These infrastructures are not exclusively owned by individuals or the public but are given meaning through their purposeful use (The Care Collective, 2020). This concept stems from Harvey's (2013) definition of commons, characterised by a mutable social relationship between a particular, self-defined social group and the aspects of their social and/or physical environment that are considered crucial to their lives and livelihoods.

In light of these considerations, the question arises as to whether the conceptualisation of urban care can contribute to redefining the paradigm of action of urban regeneration processes in order to resolve the many controversies associated with the topic. "Actually existing urban regeneration" (Lovering, 2007, p. 359) standardizes interventions and urban change. The descriptive nature of most literature on urban regeneration necessitates complementing with a socio-theoretical approach. "Urban regeneration as we know it is a partisan act [and] an ethical issue, because the form of urban regeneration conveys messages about which values are supported and which are marginalised" (ibid., p. 363). Could the definition of urban care, understood "as a transformative ethos [..] a living technology with vital material effects on the human and non-human world" (de la Bellacasa, 2011, p. 100), serve as a new critical framework for urban regeneration?

Keywords *: Urban regeneration;, Urban Care, Communities of Care , biomedical metaphor*

Decommodification Of Housing And Commoning Care: Potential Of Collective Property In Mitigating The Care Gap

Deniz Ay (University Of Bern), **Jessica Verheij**

Housing cooperatives are a successful mechanism for providing affordable housing in cities facing acute housing shortages. Based on common property and collective governance, the vast majority of non-profit housing cooperatives facilitate the processes of decommodifying urban land and commoning housing (Balmer & Gerber, 2017). In many countries, governments support housing cooperatives by making public land and direct financial backing available as an affordable housing policy (Ferreri & Vidal, 2022; Barenstein et al., 2022). At the project level, municipal authorities can also facilitate the production of indoor and outdoor common spaces for care functions (Tummers & Macgregor 2019). These spaces serve for collective uses of the residents and public authorities ensure their provision through special land use plans as a project-based planning instrument. Collectivization of property and housing governance creates windows of opportunity for renegotiating care work more democratically within a group of residents rather than household-level gendered division of labour. In this paper, we explore the potential of commoning housing through a cooperative model for enabling a community of residents that collectivizes not only the management of housing as shelter but also the maintenance of everyday life, i.e., the process of social reproduction. We interpret housing commons as going beyond a collection of private units "in saturated space" (Huron, 2015), constituting a community of users that maintain housing while also providing access to spaces for social reproduction, more specifically, care. Using a critical institutionalist approach (Cleaver & De Koning, 2015), we ask how the planning interventions together with public and private interests shape the spatial organization of childcare through public, market-based, and community-based provision mechanisms in the context of housing cooperatives. Empirically speaking, we take two young housing cooperatives in Bern, Switzerland (Heubergas and Warmbächli) and conduct a comparative analysis of the dependencies between commodified and decommodified care and the implications of these dependencies for maintaining housing as a commons. Our preliminary results indicate that the decommodification of land is necessary but not sufficient for collectivizing care work and commoning care beyond the gendered unpaid labour. These findings also demonstrate the limits to commoning housing in situations where care remains a commodity provisioned in commercial space enabled by cooperative housing projects.

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***Keywords** : housing coopeatives, care gap, decommodification, New institutionalism, urban commons*

Exploring Alternatives To Tourism And Alternative Tourism Part I

Is Tourism Plastic Or Elastic? A Literature Overview On Hints Of Innovation Related To The Tourism Industry In The Frame Of Transitional Studies.

Flavia Giallorenzo (University Of Florence), **Camilla Perrone** (University Of Florence)

The tourism sector has been involved in important mutations in terms of actors and technologies in the last 20 years. Low-cost flying companies, Online Travel Agencies (OTAs) and short-term rental (STR) platforms have given a massive impulse to mass tourism, multiplying the journeys, reducing the number of days for a trip, and lowering the costs. Furthermore, the rhetoric of local experiences has increased the fascination for specific places that, more than others, suffer from externalities of an over-exposition to flows of people. This long-term transition encountered the stroke of COVID-19. If and how the pandemic's emergence, with its social, political, and economic implications, changed the tourism sector is the principal question on which the contribution is based.

The paper is part of an Italian national interest research project (PRIN). The University of Florence takes part in it, collaborating with Politecnico di Milano as principal investigator and Università Roma 3 Sapienza. The contribution positions the topic of mass tourism in the theoretical framework of transition studies to investigate if and how the COVID-19 pandemic stroke gave an impulse for creating niches of innovation, that are spaces, physical or digital, in which radical innovative practices flourish. These are not close but relate to wider environments or landscapes. The actors that enabled or constrained impulses to innovation and how the scales, local and global, responded to the shock are also objects of the research.

The main questions of the research concern if and how the COVID-19 pandemic changed the tourism industry and the approach to travelling, and specifically, which forms of innovation in facing externalities of mass tourism. Which processes of socio-spatial negotiation are occurring between public and private actors at different levels? What kind of role COVID-19 has had in the governance approach (in economic, social, cultural and spatial issues) of those tourism highly dependent European cities at the local level?

Understanding if the tourism sector is plastic, adapting its paradigms to a changed environment, or elastic, returning to consolidated dynamics and paradigms similar to the ones adopted before the shock, can reveal the inner features of the sector and, therefore, it can help policymakers in preventing or allowing social, economic and urban externalities in the future. The aim is not to predict the paths that actors will take and anticipate their behaviour, especially if we analyse the social interaction in the light of the Actor-Network Theory, in which changes in one element of the network can imply changes in other elements of the network. More than aspiring to prediction, the research aims at understanding the mechanisms of the infrastructures and the market in periods of crisis to inform local and national public powers, whose aims is to reduce negative social impacts (urban inequalities, social gaps, gentrification, cultural and heritage exploitation…), investigating niches of innovation through a muti-scalar and multi-level approach. The presentation of the methodology of the research is also part of the contribution, which aspires to highlight hints of innovation, current or in nuce, in tourism dynamics.

Keywords *: overtourism, COVID-19 pandemic, urban spaces, tourism externalities, governance*

Olympic And Paralympic Games: Positioning Of Tourism Stakeholders In Paris Region

Alexia Gignon (Lab'urba)

This summer, Paris and Paris Region will be hosting the Olympic and Paralympic Games. We focus on the host regions of Ile-de-France. Events will be held in Seine-et-Marne, Hauts-de-Seine - at the Arena de Nanterre or the Stade de Colombes - Yvelines and Seine-Saint-Denis.

As part of this mega-event, the tourism stakeholders in these host cities are seeking to respond to local issues. The Office de Tourisme et des Congrès de Paris (OTCP) estimates that 43% of visitors will be from the Paris region. Excursionists and local visitors will therefore be very much in evidence during the event. The actors will therefore be seeking to attract these visitors and encourage them to stay and visit their local area. But they will also be trying to convey a positive image of their region to encourage them to return after the event. However, the Olympic Games are associated with the eviction of tourists: the scale of the event and the anticipated congestion can discourage leisure visitors and professionals from coming to the host city during this period (Matheson, 2006, Preuss, 2011).

Seine-Saint-Denis is a suburb with an industrial past and little-known tourist attractions. The area boasts a wide range of heritage sites, from the Basilica of Saint-Denis to the street art avenue on the banks of the Saint-Denis canal. The department has focused on promoting the area to its own residents and those of the Ile-de-France region, with the emphasis on local tourism. Priority is given to the encounter between visitor and visited, and this form of tourism is characterised as being "off the beaten track" (Gravari-Barbas, Delaplace, 2015).

The Hauts-de-Seine, with several competition venues close to Paris, is a host region that is considering its ability to attract and retain visitors. Visitor itineraries are being set up in preparation for the Olympic Games, with the aim of getting visitors off the beaten track.

Seine-et-Marne, a department in the suburbs of Paris, will be hosting Olympic events at the Vaires-Torcy water sports centre, a legacy of the 2012 Games bid. Although this is a very popular tourist destination (notably Disneyland Paris and Fontainebleau), the water sports stadium and its surroundings are not a tourist attraction. The stakeholders are looking to broaden the audience for this legacy site.

In Yvelines, events will be held at the Vélodrome de Saint-Quentin-en-Yvelines, a legacy of the failed 2012 bid (Lopez, 2022). This international facility organises competitions and congresses. Other events are planned in the department, on the hill at Élancourt, where local residents have been actively involved in the development of the site.

Our analysis will be based on semi-structured interviews with tourism stakeholders in Paris region and on observation of meetings conducted as part of a CIFRE thesis at the City of Paris' Partnerships and Tourism Department.

What is the position of the tourism industry in the run-up to this event? How are they responding to the tourism challenges posed by the Olympic Games? And what are the relationships between these actors in Paris Region?

***Keywords** : Olympic Games, Tourism, Stakeholders, tourist actors, Mega-events*

Analyzing The Impacts Of Digitalization On Tourism Sector: A Meta-Analytic Study

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Recently, the fast boom in digitalization has increasingly affected the tourism area and possible outcomes have been discussed within the literature (Buhalis, 1998; Buhalis and O'Connor, 2005; 'Connor, 1999; Sheldon, 1997). This article compares and analyzes the present literature on digitalization in tourism sectors by using a meta-analytic method (Gretzel and Kenndey-Eden, 2012, Hedges and Olkin, 2014). To do this, firstly, the overall outcomes of digitalization in tourism have been tested. The high-quality outcomes of virtual technology and online systems on tour planning, reservation methods, and vacation spot control have been emphasized in the literature. Additionally, the effect of social media on the recognition of locations amongst tourists, converting traveler expectations, calling for non-public tour offerings and the position of virtual advertising and marketing in growing the aggressive gain of traveler companies are included.

Secondly, the outcomes of digitalization for sustainable tourism are elaborated in detail. The literature has pointed out the high-quality outcomes of virtual technology on environmental awareness, useful resource control and sustainability of traveler locations, and sustainability problems turning into extra recognized via online access. However, digitalization brings with it a few problems in the tourism area. Issues along with safety concerns, records privacy problems, and the virtual divide are some of the subjects often mentioned in the literature. This comparative evaluation can offer steerage to tourism managers, researchers, and policymakers on how digitalization may be used extra correctly in tourism regions.

Keywords *: Digitalisation, Tourism Direction, meta-analysis*

'Identity And Value. The Sustainable Tourism Regeneration Of The Rural Heritage.'

Sara D'Addario (University Of Ferrara)

'Rural heritage' represents some of the principal European attractivities. Its abandonment or degradation provokes a 'loss' that can be considered environmental, economical and social.
Any intervention to re-establish a successful balance between man and nature must be pondered under an interdisciplinary approach, to give a new cycle of life to the heritage in accord with its identity. The suggestion is to refund this 'equilibrium' in sustainable tourism focused on a knowledge and educational drive through an innovative dynamic methodology based on the measurement and implementation of selected existing models.
Economic evolutions during the last centuries CAUSED the transformation of historical rural heritages with a consequent depopulation in many rural areas, amplified in the Italian cases by damages like earthquakes and/or the necessity to answer to the 'climate change' against an uncontrolled anthropization, conscious of the environmental problematics that are increasing during the last years.
The research project suggests a multidisciplinary recovery model of the European rural heritages through a sustainable tourism regeneration to start a new life cycle, accessible and monitored.
Many studies treat territorial processes of reactivation of rural architectural and natural heritages but the result of the literature review revealed a gap in the existing studies about:
measurability of the sustainable redevelopment pursued
monitoring and measurability during the life cycle of the sustainability reached
The multidisciplinary approach of the research project to regenerate a rural heritage from the recognition of its identity suggests to fill the gap through the use of tools identified in the holistic approach of the environmental energetical protocols belonging to the LEED Green Building Council family, particularly the Italian GBC Historic Building with its characteristic historical value area for architectural heritages and the United States GBC Sustainable Site Initiative for sustainable sites, adapting them to the selected case studies through the development of pilot credits or new areas connected respectively to the social and historical values and reach the prove of the sustainable quality and success of the heritage site regeneration or reactivation suggested.
First of all an heritage needs to be recognized in its environmental, economic and historical cultural values.
The tripartition that constitutes the semantic of the word 'sustainability' is at the base of the research project structure, through the definition of three corresponding multidisciplinary macro areas that attend the thesis from the analysis of the state of art, until the application on the European case studies to 'test' and verify the scientific model, through selected and combined keywords.
The innovative and flexible approach suggests a territorial rural regeneration that can start from abandoned architectural heritages connected through the natural landscape at their origins and to which they belong.
The recognized value of the historical, economic and social identity generates an attractivity to be controled and supported with tourism and hospitality services.
The sustainable regeneration of architectural heritages with mixed compatible functions required by the site redevelopment permits to answer to the wellbeing and knowledge needs, offering public accessibility and saving 'contents' and 'containers' to protect for the posterity.

***Keywords** : heritage, sustainability, tourism, landscape, architecture*

Transhumance Routes As Tourist Destinations: A Concrete Opportunity For Inner Areas Or A Romantic Suggestion?

Antonella Marlene Milano (Politecnico Di Bari)

The ancient practice of transhumance has generated on a large part of the Mediterranean territories a heritage of an intangible type (linked to the historical, cultural and socio-anthropological value), and of a material type, consisting of the infrastructures used for centuries to move herds, characterised by intrinsic landscape and environmental qualities.

In recent years, a renewed attention is emerging towards transhumance and the routes used for this purpose. In 2019, transhumance was recognised as an intangible heritage by UNESCO. In 2023, the Transhumance Trails were recognised as Cultural Routes of the Council of Europe. Furthermore, a growing number of initiatives linked to the promotion of transhumance and pastoralism culture are being organised in Europe, both thanks to bottom-up contributions, as is the case in Spain and in France, and thanks to some regulatory instruments that institutionalise the support to the organisation of events for tourism and recreational purposes (e.g. Lombardy Regional Law no. 14 of 2022).

Currently, the European landscape presents very diverse situations in terms of consistency, conservation status, and current uses of transhumance routes. However, both in the contexts in which transhumance still survives, and in those in which its practice is completely extinct, the most widespread hypothesis for the enhancement of the sheep-track networks seems to consist in their use as infrastructure for slow and experiential tourism. In central-southern Italy, where the transhumance routes -here called tratturi- constitute a dense network totalling more than 3,000 km, several projects are being carried out in this direction. These include both pilot projects on localised stretches, and larger-scale inter-municipal projects, such as the project for the tourist development of the Molise sheep-tracks involving 59 municipalities.

In the light of these ongoing experiences, the research aims at deepening the assessment of the impact that the tourist development of transhumance routes may have on local communities. In fact, although the territories involved - almost always coinciding with inner areas, far from the main tourist and economic flows - aspire to a model of slow, conscious and experiential tourism, the outcomes of current programming and planning are by no means taken for granted. On the one hand, there is the risk that the transhumance routes do not become a tourist destination due to the lack of services or the lack of attractiveness of the places. On the other hand, the risk consists in a narrow-vision territorial valorisation, limited to the tourism sector, to the expense of the environmental, historical and economic value of the transhumance routes (Curci and Gaeta, 2019). An opportunity to pursue the objective of a balanced enhancement of the territories of transhumance is offered by the ecoterritorialist perspective (Magnaghi, 2020) that proposes an integrated vision towards territorial equity by embracing the economic, political, environmental and social components. This avoids the risk of reducing transhumance to a folkloristic event in favour of a comprehensive vision that connects past and present and reinterprets the material and immaterial values of transhumance to meet needs and aspirations of contemporary society.

***Keywords** : transhumance routes, pastoralism, slow tourism, inner areas, eco territorialism*

Exploring Alternatives To Tourism And Alternative Tourism Part II

‘The Glory Of The Rails’: The Coupling Of Rail Tourism With Cultural Heritage In Greece

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Railways have remained a part of the tourism industry and a means of regional development until today. In recent years, and especially after the pandemic and the growing awareness of the crucial issue of climate change, rail travel has become more popular. The main reason is that it constitutes a more sustainable mode of transportation while it allows the traveller to be more active during the trip. The argument that culture and tourism are interconnected has been formulated many years ago. Today, the plurality of synergies between culture and tourism constitutes a reality in which the contribution of academics, professionals, journalists, politicians, etc., has been crucial. These synergies are characteristically reflected in the general context of cultural tourism, with heritage tourism being a characteristic common field. In the case of Greece, tourism and culture are ideally combined in the case of heritage railways. The field of culture most closely related to these railways is cultural heritage, while the special interest form of tourism most closely related to cultural heritage is rail tourism.

This paper aims to analyse the connection between railway and tourism as well as its potential development in a region through the exploitation of the railway for tourism purposes by examination of railway growth and its influence on transportation and tourism along with the possibility for the railway to be the primary source of attraction for tourists. The starting point is the analysis of rail tourism, and especially heritage railways, as an attractive form of special interest tourism. The focus is given on five tourist railways in Greece (the cog railway ‘Odontotos’ from Diakofto to Kalavryta, the Pelion train, Katakolo-Pyrgos-Olympia, the railway line Tithorea - Bralos – Lianokladi, Nestos Valley). The first two are the most famous cases. A particular analytical reference is made to the importance of the ‘SteamRailNet’ European Research Project coordinated by the Laboratory of Tourism Planning, Research and Policy, Department of Planning and Regional Development, University of Thessaly in Volos. Decisive to the success of the project was the consultant role of FEDECRAIL (European Federation of Museum and Tourist Railways), which also played a role in the reopening of the Pelion train during the summer season of 2004 (a festive Olympic Year).

Two main development goals of rail tourism in Greece are proposed: a) the cooperation of agencies, regions and municipalities in the utilisation of both routes and trains and b) the strengthening of the touristic image of each destination and the identity of the place. In the era of climate change, especially after the pandemic, railways can take advantage of their distinctive advantages with the appropriate place branding. In these circumstances, there exists hope for the title of Tony Judt’s book The Glory of the Rails to be confirmed· it ends with the phrase, “If we cannot spend our collective resources on trains and travel pleasantly on them… will be because we have become fenced off individuals who do not know how to share public space for the benefit of all”.

***Keywords** : rail tourism, cultural tourism, cultural heritage, tourist railways, Greece*

Cultural Tourism On Rail Tracks: The Case Of The Pelion Railway

Marina Aliki Deffner (Delft University Of Technology)

Railway tourism is a developing special interest form of cultural tourism, which utilizes and revives existing railway heritage. One way for this to happen is the operation of the rail route as a tourist railway. In contrast, when there is no such possibility, and it is mandatory for the rail material to remain inactive, alternative practices are followed, such as the creation of a rail trail. Thus, opportunities are created for the respective area's economic growth and for designing the spaces adjacent to the railway infrastructure to reclaim its cultural heritage, reconnect with the local community, and enhance the visitor experience.

The Little Train of Pelion, an already established heritage railway in the Greek sphere, has a suitable background for this kind of utilization since it combines active and inactive parts of a rail route, and it could set an example for handling analogous endeavours within the context of touristic development.

From 1903 to 1971, the Pelion railway connected the vital port city of Volos with the hardly accessible traditional villages of West Pelion. It provided them with a unique outlet for their products, benefited their economy immensely, and directly contributed to their evolution in essential settlements. The railway was not just a means of transport but a living character participating in Pelion's social life and is also considered a vital part of Greece's industrial heritage, being one of the narrowest railways in the world (only 60cm) and possessing technical elements of significant cultural value.

In 1971, the train's use was terminated, a decision that was met with resistance. A "Friends of the Railway" union was founded immediately, demanding its reuse as a heritage railway. This goal was achieved more than 20 years later, but only in half. Since 1996, the train has been operating as a tourist railway during the summer period, from the village of Ano Lechonia to the mountain village of Mileai, attracting several rail enthusiasts and general visitors.

Nevertheless, the part of the route connecting Volos with Ano Lechonia remains without use. To confront this urban discontinuity, the reuse of the Little Train of Pelion for touristic purposes almost in its entirety is proposed, combined with topical interventions across the route, which underline its most significant spots. A particular interest is located between Agria and Ano Lechonia, where a more detailed plan of a spatial development strategy is conducted. This includes the design of a cultural and natural trail network while simultaneously highlighting the most important landmarks and configuring spaces of culture and leisure. In conclusion, the most significant intervention is located on Agria's railway station site. The vast and unused area is transformed into an urban park with the implementation of a much-needed center of culture and entrepreneurship for people involved in the touristic promotion and marketing of the Pelion railway.

***Keywords** : railway tourism, heritage railway , abandoned rail routes, Pelion railway , Agria rail station*

Long Distance Walking Routes Beyond The Tourism Economy. A “Feet-On” Approach To Cultural And Socioeconomic Regeneration

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Post-COVID, Long-distance Walking Routes (LDWR) are being promoted as an alternative form of tourism, to improve local development and attractiveness, even in inner areas. The ideas of slow and sustainable tourism put LDWR into academic and public debate, and at European, national and local level, several projects and research are being developed. Where the exploitation of LDWR started a long time ago, however, they became subject to intensive tourism fluxes, similarly to other tourist hotspots. Overtourism along LDWR leads to deprivation of the economic tissue, tertiary monoculture, and even depopulation of rural areas. Pointing out the risk of developing LDWR into mass-tourism phenomena, this paper explores the promotion of unconventional LDWR. In fact, LDWR are traditionally based on historical and cultural itineraries; this may exclude territories in particular need for local development efforts. We argue, however, that LDWR could also follow social and geopolitical patterns, expanding the domains of sustainable slow tourism and connecting historical elements through contemporary perspectives. This would add motivations to slow travel and new opportunities for local communities, discussing the potential of the ‘feet-on’ engagement in unconventional LDWR for cultural and socioeconomic development, focusing on fragile communities and environments.

Therefore, we present a methodology for promoting unconventional LDWR through group walking, based on desk-based research and free and structured on-foot exploration. This approach connects people and empowers local communities making them aware of the potential of the LDWR. This is a method followed by FuoriVia, a Cultural Association gathering several researchers with different backgrounds, in which the authors are actively involved, and developed during a 20+ experience of walking along several European LDWR. Two recent fieldworks are used as case studies, one along as historic LDWR (Via Egnatia), and the other along a powerful cultural and socioeconomic connector: the river Danube.

The aim is to highlight the routes’ development prospects and the opportunities for the areas of interest (i.e. underdeveloped rural and interior tourism versus coastal mass-tourism phenomena, archaeological and historic patterns, the cross-border value). Key factors for the success of an emerging LDWR are debated, including engaging walkers and local communities, raising political awareness, highlighting the value of natural and historic patrimony, sustainability, and participatory planning of routes, hospitality, and support activities. The objective is to build a comprehensive (historic, environment/landscape, anthropological, and socioeconomic) framework in which to insert several bottom-up valorization strategies, from the local level (e.g., maps, signage, local study groups), to the national level (e.g., online portals, nation-wide recognition and funding, cultural and natural patrimony protection), to the development of a transnational approach to LDWR. Specific stress is put on the value of stakeholder and citizen activation within the sustainable development of LDWR versus a model where authorities and tourism industry express high management and decision-making potential.

The final aim of this work is to contribute to the debate on guidelines to foster the positive externalities of slow and sustainable tourism on LDWR, through the “feet-on” walking approach for social activation, climate awareness and economic development outside mainstream itineraries.

***Keywords** : Long Distance Walkig Routes, Alternative forms of tourism, Local development, cross-border regions , Participatory approaches*

Towards The Regeneration Of Mountain Tourism Territories. Insights From The Alta Valtellina Region.

Francesca Mazza (Politecnico Di Milano)

Within European mountain regions, tourism development has produced socio-spatial gaps and relevant environmental and landscape transformations. Nowadays, the legacy of these development trajectories is further exacerbated by climate change and societal crises that make these regions much more fragile. On the one hand, the popular tourist destinations are coping with lack of snow, water scarcity, increasing temperature and glacier retreat combined with the consolidated over-tourism issues and economic displacement. Meanwhile, minor destinations and surrounding territories have recently been interested in growing tourism and residential demand.
Consequently, the rise of new destinations, the multifaceted dimensions of crises and the geographical diffusion of the investigated processes advocate a territorial, integrated and multi-disciplinary approach to support the broader regeneration of mountain tourist regions.
Within this framework, through the case study of the Alta Valtellina Region in the Lombard Alps, the contribution aims to provide a methodology to identify the multiple challenges occurring in mountain tourist territories as a fundamental knowledge base to orient the regeneration project in these contexts.
To this purpose, the proposed methodology results from a mixed approach based on GIS analysis and mapping. The first, mainly quantitative, uses and correlates 21 territorial indicators at the municipal level to identify and measure the multiple challenges posed by tourism development on the Alta Valtellina territory. As a result, five priority topics synthesize the most relevant correlations between the selected indicators, identifying the crucial issues within the case study area. Moreover, the spatialization of the five priority topics through the GIS has allowed to investigate the spatial distribution of such emerging processes within the Alta Valtellina Region. The spatial analysis points out four clusters (i.e. hotspots, fringes, places of unexpressed potential, attractive valleys of environmental value) that describe the types of territories recognizable within mountain tourist regions in terms of conditions, problems, and opportunities.
The construction of the four interpretative spatial frameworks represents a fundamental base to orient the design phase of the regeneration project, framing specific goals, strategies, and tangible-intangible measures to be implemented in the territory. Therefore, building upon the case of Alta Valtellina, the proposed methodology aims to evolve into a transferable and replicable model, offering a comprehensive approach to address the challenges of regeneration within mountain tourist territories.

***Keywords** : tourism development , territorial regeneration, mountain, alps*

How Social Media Influences Rural Residents' Spatial Practice And Local Identity: A Case Study Of Fuling Village

Yiting Jiang (Southeast University)

Social media have opened up new growth opportunities for the development of tourism in traditional villages. This tool can not only attract the attention and sustainable development of villages, but also make villages dependent on the outside world's imagination of "tradition" and "the gaze of the other" in spatial remodeling. In this paper, we take Fuling Village, a traditional village in Fujian Province along the southeast coast of China, as an object of analysis, and explore the spatial remodeling of "outflow villages" and changes in villagers' local identities triggered by social media in the context of rural tourism. It is found that (1) the village is changing from a local space to a mobile space and an imaginary space under the construction of social media.(2) Social and power relations in the social media space influence there modeling of local space, forming the "production of virtual space".(3) The development of rural tourism affects the community and rebuilts social relations and local groups that are on the verge of disintegration. In the resistance and compromise, villagers' pride and local identity are locally enhanced, and some villagers are given the opportunity to redevelop themselves by participating in the creation and promotion of tourism. The results of the study help policy makers and tourism managers to evaluate the effects and make decisions. The development of traditional villages needs to pay more attention to refining and transforming local characteristics, preserving originality and promoting villagers' identity and pride in order to achieve sustainable development.

Doing Justice To Time-Sensitive Urbanism Part I

From Boundary Object To Cross-Boundary Subject – Rhythmic Interventions In Teaching And Learning To Support Time-Sensitive Research Capacities.

Robin A. Chang (Rwth Aachen University), **Pinar Sefkatli** (University Of Amsterdam)

Doing justice to time-sensitive urbanism is not only a matter of spatial planning or design for street- and landscapes. It is an underdeveloped potential that spatial thinkers and learners have yet to develop before even leaving classroom confines. This is undermined by the additionally underdeveloped research competencies offered through the training of spatial design as a contributing dimension to broader spatial planning philosophies and disciplines (Lehmann, 2023; Van Assche et al., 2013). We explore the challenges and opportunities relevant to time-sensitive interventions specifically through a Rhythmicanalytical approach to teaching and learning in various spatial planning and design courses with graduate and undergraduate students. The objectives of these courses investigate how understandings of rhythms-in-space (event/activity-based) in comparison to rhythms-through-space (trajectory/accessibility-based) analyses determine different needs and demands in teaching and learning matters relating to time-sensitive urbanism. This responds to recent calls for greater attention to how temporality (Wunderlich, 2024; Gerrits, Chang, & Pagliarin, 2022) and particularly rhythms (Nevejan & Sefkatli, 2020; Chang, 2023) could be better understood, framed, and observed. Pedagogically, this foregrounds the need to improve how we guide students' research through urban and regional design competencies. This is a vital first step to supporting awareness for and interventions of a time-sensitive nature in the upcoming generation of future and spatial practitioners.

We draw on comparative experiences from the winter of 2023/2024 and 2016/2017 with interdisciplinary master-level and bachelor-level courses, respectively. These wrangle with the relationships between spatial and temporal scales that steer or constrain how the design of spatially relevant services and strategies are re/produced. By examining coded reflections, learning surveys, and discussions, we present initially the exploratory challenges in developing students' capacities for breadth in, and combination of qualitative and quantitative methods. These correspond to an appropriate or extended methodological repertoire for research-informed/supported/enabled design projects. From an instructional standpoint, this contribution poses the question: How can a course be structured or equipped to support skills development and particularly time-sensitive approaches for future spatial planners and designers?

The autoethnographic reflections from the two authors representing contrasting disciplines of urban sociology and spatial planning indicate the initial mismatches but also possible interdisciplinary synergies in teaching and learning through spatial planning and design approaches. Final reflections also evaluate how pedagogy supported by research through design approaches is a foundational means to improving collective capacities in articulating and affecting how we shape the built and lived environment, as well as to what extent time-sensitive and rhythmic framing can serve the former.

Golden Age And Smart City: Mobilising Temporal Symbols To Negotiate Urban Change In Shrinking Cities

Solène Le Borgne (Université Paris-Est Créteil)

This paper examines the production and mobilisation of temporal symbols by residents and policymakers in shrinking cities, as a strategy to address and negotiate urban shrinkage. Specifically, it analyses how symbolic representations of the past and the future are mobilised by urban actors, to make sense of urban change and address it. I draw on scholarship focusing on urban symbolic politics, which analyses the strategies of urban actors with uneven symbolic power to mobilise representations of place, people and time in order to foster or oppose urban change, and the struggles that emerge from conflicting representations and urban agendas (Rousseau, 2009; Sakizlioglu and Uitermark, 2014; Savini and Dembski, 2016; Bartmanski and Fuller, 2018). I seek to answer the following questions: how do residents represent processes of urban shrinkage, how do policymakers mobilise representations to address shrinkage-related changes, and how do the residents' and policymakers' production and mobilisation of temporal symbols interact?

The analysis draws on ethnographic research – 74 semi-structured interviews, and participant observation – conducted in the French city of Nevers in 2020. It unveils how residents and policymakers produce temporal symbols and mobilise them to craft representations of place. Specific episodes of the past and associated places are constructed by residents as embodying the "decline" of their city, as they come to symbolise the broader transformations that the city has experienced, ultimately supporting narratives that ascribe meaning to the processes at play. Meanwhile, policymakers too mobilise symbols to address issues that are related to shrinkage, with the aim to shape representations of the city. Their symbolic actions draw at once on the same historical era as residents and on the future, calling on memories of a time when the city was thriving and imaginaries of a future time when the city would thrive again. Through their symbolic actions, policymakers both feed off local symbolics produced by residents, and invent new ones. Highlighting the relational dimension that characterises this process, I show that depending on urban contexts, it is not always antagonistic, unilateral or top-down, complexifying the dominant perspective in scholarship on urban symbolic politics.

The paper first discusses the concepts of urban symbols and symbolic politics, and reviews recent urban scholarship on the topic, which analyses how urban actors with significant symbolic power leverage it to execute and legitimise urban political agendas. Then, the first part of the empirical analysis examines the residents' production of symbols, and the latter's mobilisation in narratives that give meaning to the transformation of Nevers. In the second part of the analysis, I turn to policymakers, analysing how they address shrinkage-related changes or issues through actions that have an important symbolic function. Examining the residents' differentiated responses to these symbolic actions, I interrogate what this reveals of the concordances or oppositions between the residents' and policymakers' urban symbolics. I conclude by discussing how this analysis of urban symbolics politics in contexts of shrinkage informs our understanding of how these play out in a variety of contexts and complexifies current scholarly framings.

***Keywords** : urban shrinkage, Urban change, temporality, urban futures, symbolic politics*

Rhythmic Visioning: An Approach For Rhythm-Based Spatial Interventions

Pinar Sefkatli (University Of Amsterdam)

This contribution discusses an interdisciplinary and multi-scale research approach for agile spatial interventions, integrating rhythm analysis and participatory design research. Based on a 5-year ethnographic work in Amsterdam Zuidoost around emergent urban issues in the city borough, we developed best practices and methods to formulate social phenomena in cities from the perspective of rhythms and strategies for rhythm-based interventions. By emphasising the interplay of activities, flows, and routines, rhythm analysis can address the human and non-human populations that inhabit the urban context and distinguish their short- or long-term needs (Lefebvre, 2008). It introduces a spatio-temporal dimension to urban life, where various social, ecological and physical dynamics continuously interact (Edensor, 2016). In the context of urban challenges and uncertainties, such a perspective can create a bridge between the infrastructural and regulatory processes of cities with the bottom-up knowledge and orchestration of the citizens (Smith and Hetherington, 2018). This way, spatial design and future visioning strategies can rely on fine-tuning the new transformations with the residents' daily rhythms, ensuring collective agency (Nevejan and Sefkatli, 2020).

To advance theory and methods of operationalising rhythm analysis, we conducted three case studies in Amsterdam Zuidoost, each touching upon a distinct urban challenge and aspect of the urban environment: (1) trash in residential areas, addressing rhythms in outdoor spaces, (2) precarity of youth organisations, addressing organisational and institutional rhythms, and (3) rhythms during the COVID-19 pandemic, addressing rhythms of social relations. The rhythm analytical approach we developed is based on capturing the elements that construct the rhythms of neighbourhoods and how these vary in space and time by studying the infrastructure, public life, and daily activity dynamics through collaborations with local bottom-up organisations and municipalities. Instead of giving the (rhythmic) elements a particular order, we collectively reflected on the emergent phenomena they constitute based on the research focus and identified harmonies and dissonances in the urban context.

Combining rhythm analysis and participatory design research in Amsterdam Zuidoost provided a nuanced, context-specific understanding of urban life. The operationalisation of rhythm analysis supports novel planning approaches for neighbourhoods that centralise the social dynamics. The application of design research focuses on a collaborative process of exploring the territories and timeframes that structure the urban environment, including the residents' daily rhythms and shared patterns. When applied in a participatory manner, rhythm analysis invites the inhabitants to share their experiences and insights. This presentation will introduce our theoretical and methodological approaches for documenting, visualising and analysing urban rhythms, advancing urban and architectural design processes for agile futures.

***Keywords** : rhythm analysis, spatio-temporal design, urban life, Design research*

The Role Of Temporariness, Emptiness And Improvisation In Uncertain Times: Evidence From Covid-19 Temporary Structures

Sara Caramaschi (Dastu Politecnico Di Milano)

This paper focusses on the complex relationship between vacancy, temporary responses and uncertainty during turbulent times by analysing how a selection of cities—New York City, São Paulo, Milan, Moscow, Abu Dhabi, Esfahan, Karachi, Mumbai and Jakarta—addressed testing, treating, isolating and vaccinating the public in response to the coronavirus (COVID-19) pandemic. These highly visible spatial responses offer immediate, pragmatic answers to unexpected conditions and, we argue, allow a more nuanced understanding of how planning might leverage flexibility and adaptability in a (post-)pandemic world.

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***Keywords** : temporary urbanism, COVID-19, vacancy, uncertainty*

Situating The Practice Of Temporal Urban Design

Filipa Wunderlich (Bartlett School Of Planning, University College London)

This paper discusses an alternative aesthetics and approach to the design of cities and urban places through the perspective of time and rhythm. Embracing the dimension of timespace, design is looked at as performative, thus, also sensorial and affective, and defined by the interwoven social, architectural and nature's aesthetic narratives of urban places.

In the context of a latent temporal crisis of the contemporary city, the paper departs from concerns on the acceleration of cities, its impact on the urban quality of life and the liveability of urban spaces. This, alongside, the critique of mainstream socially unsustainable growth-led design and development practices, blighted by an obsolete visual and space-focused aesthetics which fails to put people, as experiential, performative and emotional beings, or their collective patterns of mobility and wellbeing at core.

Scoping temporal urban design research and practice, the paper frames action by laying out fundamental principles for temporal design research and practice, ie. how to approach and design for senses of time, flow, rhythm and temporal atmosphere in urban places.

Overall, and from a doughnut economic perspective, this paper thinks of cities and places as temporal renewable and curatable resources, and argues for the importance of focusing on time and place-rhythms, should one want to sustainably support both social productivity, and social, sensorial and affective wellbeing by design.

An Experimental Utopia? Learning From Temporary Use And The Making Of 'Sustainable Community Hub' In The Bristol City Centre

Elahe Karimnia (University Of The West Of England)

This paper offers a critique on framing of temporary practices: meanwhile uses of vacant properties, applied as an effective strategy for recent decline of public life in city centres. In a time of renewed austerity, climate and cost of living crises, such strategies mostly acknowledge the activation of space, the liveability they offer, and the manifestation of 'communities', rather than for their radical alternatives and imaginaries, and open-ended forms of experimenting urban spaces. Previous research on temporary urbanism highlights their contingency and entanglements, and the importance of framing their temporariness. They can be possible alternatives for change, 'filling short-term economic gaps' within commodification and neoliberal dynamics of temporal and spatial adaptations; or they can be a reflection of structural change and an instrument of transformation with long-term impact' (Madanipour, 2017, p1). There is not enough research framing temporary practices for their legacies and impacts, counter-narratives, transformative scenarios, and the broader imaginaries and 'new forms of making sense of cities' (Ferreri, 2020, p.40).

This is discussed by employing a critical case study of an ongoing project related to temporary use of vacant property in Bristol and focusing particularly on the initiative's potential for an "innovative hub of sustainability, creativity and education" (Sparks Bristol, 2023). The project aims at shifting the narrative of consumption to circular economy and social inclusion. This paper reflects on two stages of this project: signing the lease before opening the doors to public, and extension of the lease for one more year, when visions (discursive aspect of the project) turned into strategies and priorities. The analysis is framed by focusing on experimental utopia (Lefebvre, 1961), reflections on and learnings from possibilities and how they were tied to strategies and actions. Bristol has a long history of hosting culture and art production in pop-up or temporary format. By framing such practices critically, it discusses the learnings along the process turning into new priorities for action, not simply as creative neoliberal fix of 'austerity localism' (Featherstone et al, 2012).

Doing Justice To Time-Sensitive Urbanism Part Ii

Urban Temporalities And The Unsettled Urban Condition

Sabine Knierbein (Tu Wien)

Settling and unsettling urban spaces can be understood through analyzing changes in everyday life with a focus on different temporalities, occurring through time, paused and accelerated, controlled and contested, cyclical and rhythmic. Time is made permanent through being located in space. This paper grounds aspects of temporality within subjects, buildings, public spaces, urban developments, cities and states. Simple concepts of linear time have been frequently embraced through-out modernist periods because they reduce the complexity of multiple and overlapping everyday rhythms and speeds of cyclical time and moments of rituals into an abstracted and narrow frame of past, present and future timelines. Such constructions of time have been key instruments in preparing the ground for processes of rationalization, optimization and compression of everyday time, suggesting that productive human activity could be expedited through a quantitative approach to measuring time. Yet everyday time is first and foremost a felt time, including sensations that mark affective, caring and soulful encounters where relations unfold differently when characterized by joy or excitement, by sadness or trauma, or if viewed as mere moments of tedium and monotony. Temporalities are inseparably bound up with the lived spaces of contemporary cities. Social rhythms are inscribed in the floorplans of apartments, in the textures of streets and within the forms of neighborhoods, in a constant making and remaking of urban spaces. 'Rhythm' relates to regular patterns of social interaction, which manifest in the organization of time and space. Intersecting human journeys, constructions, movements and struggles constantly reconfigures urban spaces—conceived through planning, appropriated through use and structured through material interventions invested over time. Social time marks the intersection of linear, rhythmic and cyclical time-scales, and assigns the fact that linear capitalist timelines are always entangled with rhythmic everyday temporalities and the more cosmic planetary time related to the cycles of nature. From an earlier published exploration of urban temporalities in times of an unsettled urban condition, this paper will develop questions to contemporary planning practices as regards its multiple temporal interferences with the practices and geographies of everyday life.

International, Transdisciplinary And Place-Based Academic Activities: Education, Research And Third Mission. The Experience Carried Out In Sant'eusanio Forconese (L'aquila, Italy)

Giovangiuseppe Vannelli (Department Of Architecture - University Of Naples Federico Ii), **Sarra Kasri** (École Nationale Supérieure D'architecture De Paris-Belleville)

This contribution refers to a collaboration between ENSA Paris-Belleville (France) and University of Naples Federico II (Italy) started in 2023 and concerning the case study of Sant'Eusanio Forconese (L'Aquila, Italy). The activity focused on the Build Back Better of this Italian hamlet that was destroyed during the 2009 earthquake, a seismic event that struck 56 villages.

Over the past 15 years, reconstruction has been proceeding while part of the inhabitants still lives in temporary "shelters", a public asset built in the after-math of the earthquake within two residential programmes: C.A.S.E. (Complessi Antisismici Sostenibili ed Ecocompatibili) and M.A.P. (Moduli Abitativi Provvisori).

Nowadays, Sant'Eusanio Forconese is pursuing the reconstruction process, representing a good practice among the 56 affected villages in terms of the percentage of private housing rebuilt. Although, in addition to the Covid-19 pandemic, which has represented a dramatic event worldwide increasing social and economic vulnerabilities, other phenomena such as depopulation – a typical characteristic of the Italian marginal and inner areas – are overlapping with the crisis caused by the earthquake.

Considering the complexity determined by these multiple crises – both local and global – the reconstruction process cannot be considered as a mere action of reconstruction of the destroyed heritage. In this sense, the general approach and the procedures developed by the U.S.R.C. (Ufficio Speciale per la Ricostruzione dei Comuni del Cratere) constitute a good practice centred on a broader idea of urban regeneration and territorial development, both for the valorisation of local resources and for the strengthening of communities and social relations.

Whitin this complex scenario, following the Covid-19 pandemic, Italy has been the recipient of "National Recovery and Resilience Plan" funds. In this framework, the municipality of Sant'Eusanio Forconese had the opportunity to implement a design proposal for a strategic building on the site of a former school that coincides almost perfectly with the barycentre of the new urban system configured by both historical and "temporary" settlement. This project demand became the premise for this international, transdisciplinary and place-based academic collaboration.
The workshop "Intervenir dans un territoire à risque: vulnérabilités, enjeux, opportunités" has been organised as part of broader educational activities carried out in Naples and Paris with master and postgraduate students. The fieldwork and the interaction with local stakeholders were crucial for a deep understanding of the challenges specific to the territory and communities.
This will be better developed in the full paper, where the case study will be used to highlight two main topics: the possible role of universities and the need for broader post-disaster design theories.
In conclusion, within a necessarily renewed relationship between local and global, universities can play a central role as game changers. Within the transformation processes inherent to contemporary transitional landscapes concerned by multiple heritages and their corresponding temporalities, place-based academic activities – e.g., through living labs – merging together education, research and third mission can represent a tool for activating, boosting and guiding public engagement, strengthening networks and renovating policies.

Temporary Uses: How Can They Support The Legacy Of Major Events?

Isabella Inti (Dastu, Politecnico Di Milano), **Antonella Bruzzese** (Dastu Politecnico Di Milano)

In the current political, economic, social, environmental (and post-pandemic) uncertainty, how can we effectively design and activate processes of territorial regeneration? What planning tools and strategies can we use to respond to this uncertainty with adaptable, flexible, and inclusive projects? Nowadays, it is still more necessary than ever to adopt tools able to intend planning as a process, trying tentatively to update the definition of Offenen Planung / Open Planning given with foresight in 1968 by the philosopher Lucius Burkhardt.
We can identify several processes and procedures that can help a "game changer" planner in adopting an "open planning" process made of steps, such as the on-field survey, the identification of a "vision", the definition of a masterplan/palimpsest with guidelines for transformation, the organization of moments of public debate, workshops and consultation with communities and institutions; then the launch of pilot projects for temporary use to experiment which "vocations", economies and care communities, with the aim over time to sediment uses, practices, values, memories and re-significations of an evolving territory and landscape.
Adaptability, flexibility, transformations by phases, and temporary uses belong to different disciplinary traditions such as "open planning" (Burkhardt, 1969; Inti, 2019), landscape urbanism (Waldheim, 2016), or tactical urbanism (Lydon, Garcia 2015). They also belong to widespread practices and forms of intervention, temporary uses may be considered within a wide range of declinations concerning the reuse of residual buildings and spaces, large urban projects, landscape and public space regeneration, post-disaster situations and urban transformations due to big events.
Starting from case studies and projects developed in a field that involved the authors - who are also the directors of a new postgraduate master's on temporary uses at Politecnico of Milan - the paper will critically discuss the role of temporary uses for territorial and urban planning with a specific focus on major events. By comparing some recent investigations and designs of temporary uses and long-term legacy for medium and large events such as BergamoBrescia 2023 capitals of Italian culture, and MilanCortina 2026 Winter Olympics, the paper will reflect on aspects that can also be useful to further compare with 2024 Olympics in Paris. Temporary uses and major events pose recurring questions, critical issues and opportunities.
How do large flows of visitors and users of a cultural, sporting, religious, or musical event temporarily alter urban space? Which policies and strategies temporary-uses related can help to manage and regulate counter effects such as mass tourism, skyrocketing costs of living, or gentrification? What legacies (geopolitical, social, environmental) will be in the areas planned as event venues, and what effects of the induced demand for housing and touristic facilities before, during, and after the events?
Reasoning about an "ephemeral urbanism"(Mehrotra, 2016) of Olympic villages, new stadiums, tensile structures, art installations in public space, permanent or removable infrastructure and substructures, modular architecture that can be dismantled and transported elsewhere, the paper will reason about this set of temporary uses and their effects, and what kind of cities they build in the long run.

A Cohesive Adaptive Planning Model For Adaptable Urban Areas

Thomas Machiels (Faculty Of Design Sciences, University Of Antwerp)

Motivation
This is the abstract of a three year postdoc research that I will initiate in the fall of 2024. My contribution to this session entails a proposition to bring together the now fragmented adaptive planning approaches that each in their own way criticize traditional planning approaches for being linear and insensitive to uncertainties and the dynamism of urban areas.
Abstract
One of the most urgent tasks for spatial planning in urban areas today is managing unpredictable changes and increasing uncertainty caused by various challenges (e.g., growing urbanisation, climate change, socio-demographic changes). Enhancing the adaptability of urban areas is crucial to prepare them for unknown futures, but planning practice remains dominated by traditional approaches that rely on inflexible long range plans. Adaptive planning is increasingly advocated as an alternative approach. The core idea of adaptive planning - making plans, projects and urban areas adaptable to uncertain changes (in the future) - became embedded in different but fragmented research strands (e.g., strategic spatial planning, scenario planning, adaptive management and evolutionary resilience, decision making under deep uncertainty, cities as complex adaptive systems, real options theory). Their concepts are predominantly prescriptive, and the conditions for their practical usability in different spatial governance and planning systems are understudied. On the other hand, adaptive planning practices exist but have not been researched in depth. The different research strands show that concepts can apply to one or more levels of planning practice, but no research strand offers a cohesive model with concepts for every level:
1. The planning process (planning and decision-making process; methods or approaches used during the process to understand uncertainties or develop adaptive strategies).
2. The strategic plan level (e.g., strategic plan, masterplan, planning vision).
3. The regulatory level of planning instruments (e.g., zoning plan, permits, building codes).
4. The physical project level (built environment and infrastructure).
I propose to develop a cohesive adaptive planning model through theory building and empirical research by (I) integrating the now fragmented adaptive planning concepts from planning literature, and by (II) empirically researching adaptive planning practices in eight urban redevelopment projects in five European countries to inductively validate and deductively enrich the model.
The contribution is the model's cohesiveness because it will include concepts for four levels of planning: the planning process, strategic plan level, the regulatory level of planning instruments, and the project level. The empirical research will lead to new knowledge about the successes, enablers, and obstacles of APPs; how to balance legal certainty with flexibility; and the conditions for replicating APPs in different spatial governance and planning systems.
The figure below shows the core components to consider when analysing and learning from adaptive planning practices. I believe this graph is a good discussion starter that is relevant for this session. It embodies different theoretical (different research strands) and practical (four levels of planning) perspectives from which to look at time-sensitive urbanisms. Different research strands or planning levels can share the core idea of adaptive planning but differ in language and methods for responsive interventions.

Collaborative Work In Space And Time: An Example Of The Implementation Of A Co-Working Space

Nadezda Krasilnikova Krasilnikova (Tu Dortmund)

Digitalization has rendered work more flexible in terms of space and time. Working from home has become a routine part of everyday life. Since the COVID-19 pandemic, there has been extensive discourse regarding its potential for sustainable spatial and mobility development. However, the exact impact of mobile working on total mobility is still to be assessed. Certain rebound effects are to be expected, such as the tolerance of mobile workers for long journeys to their workplaces and the increase in non-work related car journeys. It should be noted that the temporal and spatial distribution of mobile work plays a crucial role in travel-related rebound effects. Some research has concluded that the number of days spent working from home has an impact on CO2 reduction (Büttner & Breitkreuz 2020; Beck et al. 2020). Simultaneously, the post-pandemic discussion suggests that urban areas with existing infrastructure and nearby services can expect fewer travel-related rebound effects (Ahrendt et al. 2020; Büttner & Breitkreuz 2020). The time-geographic approach (Hägerstrand 1970) is taking center stage in the sustainability debate. This approach is employed to comprehend agile work-related mobility behavior and to delineate spatial and mobility-related solutions for future cities and regions. These solutions include a mix of functions, incorporate new workspaces such as residential workspaces at home or in co-working, and consider usage over time, measured in days per week. The underestimation lies in the fact that the better integration of mobile work requires not only a rethinking of mixed use but also an adaptation of governance processes. This presentation explores this gap using a quadruple helix model, which describes the dynamic interactions between four institutional spheres: academia, industry, government, and users (Arnkil et al. 2010). The presentation elucidates that collaborative work must be agile in both space and time. The network of actors can change depending on the physical space and time scale. In one context, companies may serve as users of innovation, requiring support from municipalities; in another, they may function as providers of innovation, collaborating with municipalities. Collaborative actors may evolve over time, influenced by the time horizon or the stage of innovation implementation. Using the implementation of co-working spaces as an example, the presentation illustrates how collaborative work can be designed in a space- and time-sensitive manner to promote sustainable spatial and mobility development. The presentation is based on the author's publication (Krasilnikova 2023) and extends its scope.

***Keywords** : collaborative work, quadruple helix model, physical space, time scale, co-working space*

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