

RECENT PUBLICATIONS

Ankrah, J, Monteiro, A, Madureira, H (2023) Shoreline Change and Coastal Erosion in West Africa: A Systematic Review of Research Progress and Policy Recommendation. *Geosciences*. 2023; 13 (2):59. DOI: 10.3390/geosciences13020059

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Ankrah, J, Monteiro, A, Madureira, H (2023) Spatiotemporal Characteristics of Meteorological Drought and Wetness Events across the Coastal Savannah Agroecological Zone of Ghana. *Water*. 2023; 15 (1):211. DOI: 10.3390/w15010211

Carvalho, C, Netto, V (2023) Segregation within segregation: Informal settlements beyond socially homogenous areas, *Cities* Vol 134. DOI: 10.1016/j.cities.2022.104152

Cunha, I, Silva, C (2023) Assessing the equity impact of cycling infrastructure allocation: Implications for planning practice, *Transport Policy*, 133, pp 15-26. DOI: 10.1016/j.tranpol.2022.12.021

Salamagy, H, Alves, FB, Vale, CP (2023) Urban Design Solutions for the Environmental Requalification of Informal Neighbourhoods: The George Dimitrov Neighbourhood, Maputo. *Urban Science*, 7, 12. DOI: 10.3390/urbansci7010012

Ankrah, J, Monteiro, A, Madureira, H (2022) Bibliometric Analysis of Data Sources and Tools for Shoreline Change Analysis and Detection. *Sustainability* (Switzerland), 14 (9). DOI: 10.3390/su14094895

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Cunha I, Silva, C (2022) Equity impacts of cycling: examining the spatial-social distribution of bicycle-related benefits, *International Journal of Sustainable Transportation*. DOI: 10.1080/15568318.2022.2082343

Dias, AM, Lopes, M, Silva, C (2022) More than Cycling Infrastructure: Supporting the Development of Policy Packages for Starter Cycling Cities. *Transportation Research Record*, 2676 (1), 785-797. DOI: 10.1177/03611981211034732

Ferreira, A (2022) Seven Principles and Ten Criticisms: Towards a Charter for the Analysis, Transformation and Contestation of Smart Innovations. *Sustainability*, 14(19), 12713. DOI: 10.3390/su141912713

Ferreira, A, Oliveira, F, von Schönfeld, K (2022) Planning cities beyond digital colonization? Insights from the periphery. *Land Use Policy*, 114. DOI: 10.1016/j.landusepol.2022.105988

Gonçalves, C, Pinho, P (2022) In search of coastal landscape governance: a review of its conceptualisation, operationalisation and research needs. *Sustainability Science*, 17 (5), pp. 2093 - 2111. DOI: 10.1007/s11625-022-01147-6

Graça, M, Cruz, S, Monteiro, A, Neset, T-S (2022) Designing urban green spaces for climate adaptation: A critical review of research outputs. *Urban Climate*, 42. DOI: 10.1016/j.uclim.2022.101126

Karadimitriou, N, Guelton, S, Pagonis, A, Sousa, S (2022) Public Value Capture, Climate Change and the 'Infrastructure Gap' in Coastal Development: Examining Evidence from France and Greece. *Sustainability* 14(12). DOI: 10.3390/su14127019

EDITORIAL

Dear Reader,

The last semester was definitely a time to look inward at what has been done and reflect on strategies to implement in the near future. We are approaching the pluriannual evaluation so it is crucial to make a self-balance and to strengthen our ideas and ideals for the next years.

One of the most important pillars in any research center is its ability to identify and investigate the sources of uncertainties, to process them and find a set of micro solutions that, such as the tiny particles of the raindrops feed rivers, oceans and the life on earth, enriches and recreates the system as a whole.

To move on such process, it is essential to have a motivated and dedicated research team. Thus, bearing in mind the fundamental contribution of researchers throughout this process, Juniors and Senior PhD researchers were asked to prepare a short description of their recent work and to give an idea about their perspectives in the short term. All the researchers have responded positively to this request in a writing form. Without surprise, while remaining faithful to the organic basis of the center there is a wide and varied scope for action. As the main topics in development, it can be highlighted: urban morphology, social segregation, urban digital models and data science, patrimony, societal and climate transitions, social dimension of energy, adaptation pathways methodology, mobility versus accessibility, walkability, automated driving and road safety.

Moreover, with the same purpose, CITTA board decided to launch a survey to CITTA Integrated Researchers. This survey will be twofold, one focused on personal satisfaction, addressing levels of motivation, integration and fulfilment of expectations; and another focused on aspects related to the topics of the new strategic plan. From this survey, we hope to have a clear perspective of the members' views that will allow us to identify the main actions to develop in order to boost a more personalized and inspired organization.

In the organic functioning of CITTA, an aspect which deserves especial attention is the development of a collaborative and participative integration of its members. The share of scientific knowledge and skills among researchers is a fundamental principle ambitioned by CITTA board. Therefore, taking a lead from an idea and motivation from its own researchers, a call has been permanently open for proposals of transversal thematic areas that would potentiate the interaction of the members of the different research groups. From this call, four groups have been established:

- Inclusive City and Active Ageing
- Urban Morphology
- Accessibility and Mobility
- Societal and Climate Transitions

Based on these four thematic areas, a cycle of four sessions/debates entitled CITTA4Talks will be organised in the upcoming months by the coordinators of each area. The different sessions will include a short video representative of the respective area which will also be presented and posted on CITTA's website.

The participation of the whole CITTA community in this initiative is expected to contribute to the stimulation and growth of the dynamics of these groups.

A final note to mention that CITTA was recently accepted as partner to the New European Bauhaus (NEB) Community, following the initiative of some young researchers of the center.

António Couto

- Lewis, O, Sousa, S, Pinho, P (2022) Multifunctional Green Infrastructure in Shrinking Cities: How Does Urban Shrinkage Affect Green Space Planning? *Urban Planning* 7(2), 186-201. DOI: 10.17645/up.v7i2.5008
- Lopes, M, Dias, AM (2022) Changing perspectives in times of crisis. The impact of COVID-19 on territorial accessibility. *Transportation Research Part A: Policy and Practice*, 158, pp. 285 - 301. DOI: 10.1016/j.tra.2022.03.006
- Monteiro, A, Ankrah, J, Madureira, H, Pacheco, M (2022) Climate Risk Mitigation and Adaptation Concerns in Urban Areas: A Systematic Review of the Impact of IPCC Assessment Reports. *Climate*, 10 (8), art. no. 115, DOI: 10.3390/cli10080115
- Monteiro, C, Pinho, P (2022) The research-practice gap: comparing planning and morphologically based proposals. *Urban Design International*. DOI: 10.1057/s41289-022-00199-5
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- Neset, T-S, Navarra, C, Graça, M, Opach, T, Wilk, J, Wallin, P, Andersson, L, Santos Cruz, S, Monteiro, A, Rød, J (2022) Navigating urban heat - Assessing the potential of a pedestrian routing tool. *Urban Climate*, Volume 46. ISSN 2212-0955. DOI: 10.1016/j.uclim.2022.101333.
- Netto, VM, Brigatti, E, Cacholas, C (2022) From urban form to information: Cellular configurations in different spatial cultures. *Environment and Planning B: Urban Analytics and City Science*. DOI: 10.1177/23998083221107382
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- Pais, F, Monteiro, J, Sousa, N, Coutinho-Rodrigues, J, Natividade-Jesus, E (2022) A multicriteria methodology for maintenance planning of cycling infrastructure. *Proceedings of the Institution of Civil Engineers - Engineering Sustainability*. DOI: 10.1680/jensu.21.00088
- Silva, C, Altieri, M (2022) Is regional accessibility undermining local accessibility? *Journal of Transport Geography*, 101, art. no. 103336 DOI: 10.1016/j.jtrangeo.2022.103336
- Silva, C, Lopes, M, Dias, A (2022) Revealing the strength of gross potential for cycling as a planning support for starter cycling cities. *Case Studies on Transport Policy*. DOI: 10.1016/j.cstp.2022.01.01
- Spolaor, S, Oliveira, V (2022) Towards a progressive understanding of informal settlements: the contribution of the fringe-belt concept. *Urbe* 14. DOI: <https://doi.org/10.1590/2175-3369.014.e20210353>.
- Teixeira, JF, Silva, C, Moura e Sá, F (2022) The strengths and weaknesses of bike sharing as an alternative mode during disruptive public health crisis: A qualitative analysis on the users' motivations during COVID-19. *Transport Policy*, 129, 24 - 37. DOI: 10.1016/j.tranpol.2022.09.026
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- von Schönfeld, K, Ferreira, A (2022) Mobility values in a finite world: pathways beyond austerianism? *Applied Mobilities*. DOI: 10.1080/23800127.2022.2087135

Dear Reader

This is my first editorial as RG1 Coordinator. In this sense, I want first of all to underline the remarkable management work and enhancement of CITTA by the previous Board, and in particular the guidance of Research Group 1. The RC1 (PEA) focuses on the interaction between spatial dynamics, urban environmental issues and impact assessment and decision systems.

As time goes by, some changes and trends in the field of scientific research start to reveal themselves. At the spatial planning and environment level, the current research trends focus mainly on sustainable urban development, smart cities, green infrastructure, resilience planning and environmental justice.

- Sustainable urban development: There is a growing trend towards sustainable urban development, which aims to create livable and environmentally-friendly cities that promote economic growth while reducing carbon emissions and other negative environmental impacts.

- Smart cities: The concept of smart cities, which uses digital technology to improve city services, is becoming more popular in urban planning. Smart cities use data and technology to optimize energy use, improve transportation, and enhance public safety.

- Green infrastructure: There is a growing focus on green infrastructure, which uses natural systems like parks and green roofs to manage stormwater and provide other environmental benefits. Green infrastructure can help reduce flooding, improve air quality, and increase biodiversity in urban areas.

- Resilience planning: Resilience planning is becoming more important in urban planning, as cities face the challenges of climate change and other environmental threats. Resilience planning involves developing strategies to address risks and build adaptive capacity in urban areas.

- Social justice - there is increasing research on social justice issues. The aim is to create a global momentum to help reduce and prevent inequalities, and to ensure that social justice is prioritised in national and global policy-making, development cooperation, financial and investment agreements. In short, to ensure that no one is left behind.

- Environmental justice: There is a growing awareness of the importance of environmental justice in urban planning. Environmental justice focuses on ensuring that all people, regardless of race, ethnicity, or income, have access to clean air, water, and other environmental benefits.

These are just some of the current trends in scientific research. As new discoveries are made and new technologies are developed, the scientific research landscape will continue to evolve and change.

But, how are these trends being reflected in the research undertaken by RG1? Naturally, the answer cannot be based only on the research conducted throughout 2022 and 1st quarter of 2023. But if we go back a little further, to 2019 (inclusive), we will realize that RG1's research correspond to the trends observed. In other words, we find that the issues studied in RG1 fit with greater relevance to sustainable urban development, resilience planning and social justice. Cumulatively, at this time six research projects are being developed within RG1. Two of them cover (mainly) the themes of "Sustainable Urban Development" and "Resilience Planning", these being the research projects "Cost Action CA21166 Social Sciences and Humanities for Transformation and Climate Resilience (SHiFT)" and "CAOP - Climate Adaptation For Older People Living In Vulnerable Urban Areas. Designing a climate-responsive and community-based methodology". Another one focuses "Social Justice" and "Smart Cities" themes, this being the research project "A Cross-Cultural Exploration around the Future of the City and Urban Life in the PostCOVID Era". The research project "Knowledge Alliance for Evidence Based Urban Practices" has as its main objective to create an international educational and training method offering participants the opportunity to engage with professional environments, learning how research can be the basis for innovative professional practices and what businesses in the field of planning, architecture and urban design require from academia. Finally, the research project "Cost Action CA17125 Public Value Capture of Increasing Property Values", focuses in the development of a common framework for value capture and the provision of innovative tools for public value capture based on comparative analysis to optimise the allocation of development costs and benefits, as well as to unburden the public budget.

Fernando Brandão Alves