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EDITORIAL

■ SPECIAL EDITION – SUMMIT CIDADES 2022

It is with great satisfaction that we announce the special edition of the Journal of Administration Science. This edition is dedicated to the topic “Administration and Technology for Sustainable and Smart Cities”, arising from SUMMIT CIDADES 2022.

The first edition of the “SUMMIT CIDADES Academy” was organized by the Sustainability, Education and Administration research group, of the Department of Administration Sciences (CAD) of the Federal University of Santa Catarina (UFSC), and held during the event SUMMIT CITIES, which took place from November 23 to 25, 2022, in the city of Florianópolis/SC, southern Brazil. The event featured 21 articles from different locations in the country, researchers from different Higher Education Institutions with the aim of discussing the creation of Sustainable and Smart Cities.

In addition, it featured a lecture by Nobel Peace Prize winner Dr. Benny Dembitzer, who spoke about global risks and concerns about changing consumption around the world, highlighting the importance of building smart and sustainable cities. Another conference promoted by “Academia SUMMIT CIDADES” was given by Professor Hugo de Almeida, Ph.D. from the University of Aveiro, who presented the case study of the cities of Masdar and Neon City, in the United Arab Emirates, demonstrating how The concern for the creation of smart and sustainable cities is already on the agenda and being implemented

in other regions of the world. The articles that make up this Special Edition are presented below:

The first article, Scientific diplomacy for climate change: thinking about science, technology and innovation for the oceans in Brazil, by Júlia Eduarda Gouveia Rabelo de Abreu, presents the intersection between climate change and the oceans, focusing on the advancement of science oceans in Brazil. The author highlights the responsibility of the public sphere in the formulation of proactive climate policies, particularly in the face of the growing impacts of climate change in coastal areas, especially sea level rise, and addresses the global dimension of climate change in the oceans, introducing the concept of science diplomacy and exploring its application in formulating effective adaptation measures.

The second article, Using bamboo for urban equipment: projects for a bus stop, by Fabiola Rago Beltrame, Alfonso Pappalardo Junior, Alberto Alonso Lázaro and Lígia Vitória Real, highlights the growing relevance of bamboo as a construction material after the publication of the Brazilian ABNT standard NBR 16828 (2020). With the aim of exploring the possibilities of applying bamboo in the construction of bus stops, the study adopts a comprehensive approach, combining simulations using the finite element method and the construction of a 1:20 scale prototype. It demonstrates that the use of bamboo in urban structures, exemplified by the bus stop, is not

only viable, but also a significant contribution to the search for sustainable alternatives in urban projects, aligned with global sustainable development goals.

The third article, *Sustainable, Smart and Healthy Cities: What is the impact of governance on health, transportation, green spaces and air?* by Stéphane Louise Boca Santa, Thiago Coelho Soares, Daniel Goulart Basil, Priscila Cembranel, Carla Patricia Finatto and José Baltazar Salgueirinho Osório de Andrade Guerra, examines the impact of the governance indicator in the health, transportation, green spaces and air quality sectors. The authors present results that governance has a significant impact on health, transportation, green spaces and air quality in a smart city. The relevance of this work lies in the understanding that healthy, smart and sustainable cities depend on effective governance practices, with governance being a key factor for sustainable development policies.

The fourth article, *Energy planning scenario and policies: solar energy and territorial planning needs*, by Júlia Beatriz Gomes and Virginia Grace Barros, highlights the need to rethink the Brazilian energy matrix in the face of increased consumption and the challenges faced by hydroelectric plants. Focusing on the increasing dependence on electronics, especially in the context of hydroelectric dominance, the study evaluates the implementation of energy planning, with emphasis on the transition to solar energy. The article concludes that effective policies are needed to optimize solar generation, emphasizing the importance of territorial planning.

The fifth article, *Sustainable University Cities: Management Models Focused on Socio-Environmental Innovation*, by Samara da Silva Neiva, Alexandre Marino Costa and Walter Leal Filho, addresses the role of universities as catalysts of innovation and disseminators of knowledge, examining how Cities experience Sustainable university campuses can influence socio-environmental innovation throughout the city. The authors present results that the alliance between the community, the university, the public sector and the business sector contribute to the creation of projects that aim at the well-being of the population, while promoting the sense of belonging in the community and promoting the transformation of the urban centers environments into more sustainable and intelligent environments.

The sixth article, *Between urban growth and sustainable development: urbanization, environmental problem and new urban agenda*, by Felipe Teixeira Dias, Deborah Marques Pereira and José Baltazar Salgueirinho Osório de Andrade Guerra, reflects on the interconnection between urban growth and sustainable development, focusing on the triad Urbanization, Environmental Problems and Environmental Sciences. Using a qualitative and exploratory approach, the research adopts the strategy of an integrative literature review. The results highlight the need to understand the complex interaction between urbanization, environmental problems and environmental sciences as crucial to understanding the dynamics between urban growth and sustainable development.

The seventh article, *Smart cities, smart people and misinformation*, by Carlos Cesar Ronchia, Mauro Enrique Carozzo Todaro and Antônio Roberto Coelho Serra, addresses the transformation of cities into smart environments through the incorporation of digital technologies, such as the internet of things, artificial Intelligence, big data and algorithms. The focus is on the growing threat of misinformation and its impact on the development of smart cities. The authors emphasize the need to promote critical thinking, digital ethics and digital media literacy as essential elements for the sustainable development of smart cities.

The eighth article, *Entrepreneurship and innovation in the world: the role of digital transformation for the development of global economies*, by Danilo de Melo Costa, Carolina Pinheiro Batista, Rogério Santos Brant, Welliton Roque Santos and Vinícius Weitzel Novaes, presents the interrelationship between globalization, entrepreneurship and innovation, with emphasis on digital transformation, in a context marked by macroeconomic challenges, such as the Covid-19 pandemic, the war in Ukraine and potential conflicts between China and Taiwan. Covering the continents of Asia, Africa, North America, Central America, South America, Europe and Oceania. The authors contribute to understanding the current dynamics and challenges faced by different regions in the search for business development driven by innovation in the midst of a complex global scenario.

The ninth article, *(Un)sustainable technological development: the case study of the rotating park-*

ing of Curitiba and EstaR Eletrônico, by Débora Jordão Cezimbra, Isadora Zanella Zardo and Lucelia Mildemberger, presents an analysis of the paid rotating parking system of Curitiba, after of the changes of 2020 with the introduction of EstaR Eletrônico. The authors reveal viable alternatives for the more efficient use of parking spaces, contributing to more sustainable urban management aligned with the contemporary vision of “smart cities.” In conclusion, it highlights the imperative of environmentally responsible management of urban parking spaces and calls for a broader and more integrated approach between urban systems and citizens, in line with the fundamental principles of “smart cities”.

The tenth article, Identification of urban centralities in Florianópolis-SC using a spatial model in GIS, by Bianca Ana Coelho, Elisa de Oliveira Beck, Maíra Mesquita Maciorowski and Pedro Jablinski Castelhana, presents a polynucleated urban model to

promote more dynamic, safe and efficient in terms of infrastructure and mobility, with a specific focus on Florianópolis/SC. Using a spatial model in Geographic Information Systems (GIS), the research integrates land use data from the municipal registry with the Theory of Spatial Syntax, analyzing municipal road axes. The authors reveal the presence of a main centrality in the Florianópolis Headquarters district, with the aim of contributing to the development of more effective and sustainable urban strategies, promoting an equitable distribution of centralities to optimize urban functionality.

We thank all the authors and collaborators who contributed to this Special Edition and invite the entire academic and professional community to read and share the published knowledge. Finally, we hope you enjoy reading it as much as we enjoyed producing this edition.

Cordially,

Professor Dra. Rosalia Lavarda

EDITOR IN CHIEF OF JAS

Journal of Administration Science