

VISION

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XV Versión

Universidad de la Costa - CUC

Vice-cancellor of Extension
Internacionalization Departament

VISION 2023 “Urban Sustainability: Challenges and Innovation”

CALL FOR PAPERS

The **Universidad de la Costa** organizes the **15th edition of Vision** to be held from **10th to 12th May 2023** and has defined the central theme of this call **“Urban Sustainability: Challenges and Innovation”** maintaining its commitment to **sustainable development**.

This **15th edition of Vision** is framed in several **Sustainable Development Goals** and is designed as a space to reflect on the **sustainability of cities**, disseminate progress and achievements in the promotion and development of new approaches, **through challenges and innovations in training, research, and social projection activities**.

Papers may be presented in the following four areas: **urban infrastructure, urban ecosystems, economic development and social and political development**, which are detailed below:

1 SUSTAINABLE URBAN INFRASTRUCTURE

The **analysis of urban infrastructure** has evolved from the original considerations on housing and segregation of the city to a **systemic vision** of new modern facilities and services that take into account urban metabolism and vulnerabilities, e-cities, communication networks and access with quality and efficiency to services that ensure the **Quality of Urban Life** with the least environmental deterioration including its dematerialization and the **development of Industry 4.0** in the urban environment.

In this sense, **Sustainable Urban Infrastructure** not only comprises public services, housing and transport network, but also considers whether the input and **consumption of resources** are renewable and whether waste is used and disposed of properly (Hanna, 2021).

This axis addresses the following themes:

- Smart Cities.
- Dematerialization of services and Industry 4.0
- Urban networks and systems.
 - Sustainable public services (water and solid waste).
 - Support infrastructure for urban mobility.
- Affordable, reliable, and clean energy services.
 - Urban Thermal Comfort.
- Sustainable buildings.
 - Bioclimatic and Sustainable Construction.
- Instant logistics and supply chain resilience.

2 URBAN ECOSYSTEMS

Urban ecosystems can be defined as the ecosystem that includes cities and the surrounding **urban and rural socio-ecological systems** where most of the **human population lives** (Biodiversity Information System for Europe, 2022).

While many of the **planet’s ecosystems** are under strong **pressure and threat**, human settlements are among the few ecosystems on the planet that have experienced an expansion of their **biogeographic area**. As a result, urban centers around the world face several **environmental and social challenges**, including **pollution and depletion of natural resources**, as well as the loss of physical integrity of **urban infrastructure**. Therefore, the application of ecological principles has been increasingly important in the search for new **solutions to these problems**.

Urban ecosystems include a variety of themes: **habitat preservation and connectivity, urban metabolism, ecological footprints, biodiversity inventories, climate change, green roofs, biofilters, green infrastructures** (Pataki, 2015). Urban ecosystems contain a wide range of different **micro-environments and biological assemblages**, from remnant natural ecosystems to environments built and constructed almost entirely by man.

The axis covers the following topics:

- Green supply chains.
- Urban Biodiversity.
- Urbanism for Fertile Cities.
- Cleaner production.
- Reverse logistics.
- Control of atmospheric emissions.
- Environmental Management and Ecosystem Services.
- Waste management and circular economy.
- Measuring urban sustainability and developing indicators.

3 ECONOMIC DEVELOPMENT

According to the **United Nations** (2021), cities and metropolitan areas contribute about **60% of the world’s GDP, occupy only 3% of the earth’s surface**, consume **80% of energy and will host 6 out of 10 human beings by 2030** (about 5 billion people).

Currently, cities are facing **economic transformations** derived from multiple factors such as **disruptive technologies, climate change, migrations**, among others (Panteleeva & Borozdina, 2022; Weckroth & Ala-Mantila, 2022; Hadfield & Coenen, 2022). Hence, the interest to study and discuss the different **dimensions of economic development** in the urban context, incorporating emerging issues of interest to the academy.

Among the themes of this axis are:

- Process innovation, products, and business management.
- Leadership, training, and training of human talent for economic development.
- Logistics and supply chain.
- Sustainable business management.
- Market management and responsible consumption.
- Territorial models and innovation systems.
- Entrepreneurship.
- Study of poverty, inequality, and inequity.

4 SOCIAL AND POLITICAL DEVELOPMENT

The term development usually refers to economic progress, it can also be applied to political, social and technological progress. These various sectors of society are so intertwined that it is difficult to separate them clearly. Development in all these sectors is governed by the same principles and laws, so the term is applied uniformly.

This third decade of the 21st century began with a pandemic that destabilized the global functioning in the private and public spheres. It made visible the fragility of the policies and systems that emerged for the reality of the twentieth century, which remained dormant in the twenty-first century, but were challenged by the unpredictability of human fragility in the face of a global public health problem with repercussions in all spheres of life in society.

This scenario of uncertainty mobilizes academia to rethink sustainable development goals in their interactions with social and political development notions, in order to respond with innovative alternatives to deal with the circumstances that still today challenge the possibilities of well-being of the population

In Vision 2023 as a space for reflection on the main problems of urban sustainability and alternatives to build a sustainable citizenship, understood as the concurrence of a set of conditions of citizen life, issues relevant to the urban context such as the right to the city, the removal of gender gaps, migration and the construction of a social fabric based on solidarity, cosmopolitan education in context 4.0 and public health challenges.

Because of these considerations, the following priorities have been given in order to participate in the themes of the axis:

- Gender gaps.
- The right to the city.
- Migration and Social Fabric.
- Cosmopolitan education in context 4.0
- Challenges for public health: confinement, nutritional deficiencies, post-covid sequelae, among others.

How to participate:

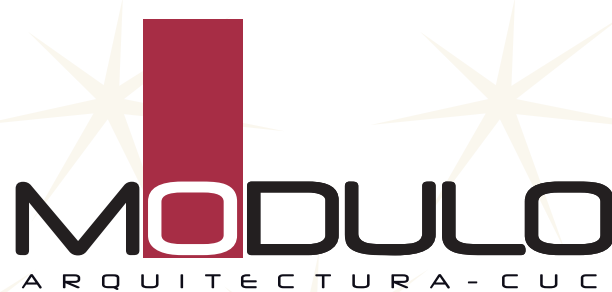
Contributions will be submitted in full text.

Full papers must be submitted in the **FORMAT HERE** (<http://visioncuc.com/publicaciones>)
The best articles will be called to be published in Módulo Arquitectura CUC with ISSN: 2389-7732, 0124-6542, Q3 in SJR and Jurídicas CUC with ISSN: 1692-3030 indexed in SCOPUS.

Completed formats should be sent to
vision@cuc.edu.co and educosta@cuc.edu.co

To learn about the policies and guides of the associated publications, you can consult their corresponding web pages:

Módulo Arquitectura CUC



Jurídicas CUC



Likewise, they may be called to the evaluation process in any of our institutional journals indexed internationally and nationally in Publindex (MinCiencias), or also through the Special Issue "Smart City Technologies, Urban Infrastructure and Urban Informatics" of the Swiss Electronics journal, Q2 in SJR which may be consulted here:

<https://revistascientificas.cuc.edu.co/>

INGE CUC (Web of Science [ESCI]- Publindex B)

<https://revistascientificas.cuc.edu.co/ingecuc/Instrucciones-para-autores>

Cultura, Educación y Sociedad (Publindex B)

<https://revistascientificas.cuc.edu.co/economicascuc/autores>

Económicas CUC (Publindex C)

<https://revistascientificas.cuc.edu.co/culturaeducacionysociedad/instrucciones-para-autores>

Electronics (ISSN 2079-9292) Special Issue "Smart City Technologies, Urban Infrastructure and Urban Informatics"

https://www.mdpi.com/journal/electronics/special_issues/76130N581M

VISION 2023 Main dates:

Call Opening: **April 7th, 2022**

Deadline for submitting full papers: **March 31st, 2023**

Deadline for notification of acceptance: **April 15th, 2023**

Date of the event and oral presentation: **10th, 11st and 12nd May 2023**

