



| 12th CITTA INTERNATIONAL CONFERENCE
ON PLANNING RESEARCH
CITTA RESERACH CENTRE FOR TERRITORY, TRANSPORTS AND ENVIRONMENT

19 - 20 SEPTEMBER 2019
FEUP | Faculdade de Engenharia da Universidade do Porto



SPATIAL PLANNING FOR
CHANGE

CITTA 12TH INTERNATIONAL CONFERENCE | PROGRAMME

| 19th September

13h00-14h00 | REGISTRATION

FEUP

14h00-14h30 | OPENING SESSION | João Falcão e Cunha | Paulo Pinho

Faculdade de Medicina Auditorium

14h30-16h00 | PLENARY SESSION | Giacomo D'Alisa | Peter Larkham

Faculdade de Medicina Auditorium

16h15-17h45 | PARALLEL SESSIONS I

FEUP

Session 1

Track 1: Social, environmental and economic dynamics

Chair: Joana Marques

The potential of a metabolic impact assessment tool in urban decarbonisation strategies

| Miguel Lopes, Luísa Batista, Paulo Pinho

The divided and inaccessible city: a critical analysis

| Siepan Khalil

Food for the city: framing an interdisciplinary approach for the analysis of Lisbon Metropolitan Area food system through case studies analysis

| Teresa Costa Pinto, Pedro Costa, Teresa Marat-Mendes, Carolina Henriques, João Cunha Borges

The shape of food: an analysis of urban agricultural shapes in Lisbon's Greater Area

| Ana Mélice Dias, Teresa Marat-Mendes

*Socio-economic and land-use impacts of nature-based solutions
for climate change adaptation in Eindhoven*

| Rita Mendonça, Peter Roebeling, Teresa Fidélis, Filomena Martins

Session 1

Track 2: Urban form

Chair: Teresa Marat-Mendes

*How town walls affect the physical, perceptual and social
dimensions of daily life in İznik?*

| Açalya Alpan, Kader Reyhan, Hasan Ünver

*Revisiting the dynamics of urban density and daily life
conditions: place, perception and process*

| Vafa Dianati

Morpho: an historico-geographical analysis of Portuguese cities

| Vítor Oliveira, Valério Medeiros, João Corgo

*An exhaustive morphological survey of American and European
Metropolitan Regions*

| Miguel Serra

Discontinuities in portuguese urban culture, 19th-20th centuries

| Manuel Teixeira

Session 1

Track 3: Accessibility and transports

Chair: João Bigotte

The role of urban design in breaking car-oriented mindsets

| Ana Cláudia Proença, Cecília Silva, José Palma-Oliveira

*Spatial policies for a sustainable urban mobility: a complete
package for change*

| Paulo Silvestre, Paulo Pinho, Vítor Oliveira

Urban characteristics as influencing factors on decision-making behavior about hop on hop off city tour
| Adriana Tavares, João Bigotte, Norberto Santo

The (in)equality in the spatial layout of services: an analysis of the accessibility to primary schools
| Fillipe Feitosa, João Marques, Jan Wolf, Eduardo Castro

Assessing travel time relative competitiveness between public transit and private transportation on commuting trips
| Marcelo Altieri, Cecília Silva, Shintaro Terabe

Session 1

Track 4: Transformative planning processes
Chair: Asma Mehan

Recent changes in metropolitan governance in Southern Europe: a comparative analysis
| Joana Almeida, José Antunes Ferreira, Pedro Pinto

The notion of 'the Good' – towards a conceptual model for a value-based philosophy in planning practice
| Aleksandra Đorđević

Collaborative governance in Portuguese local authorities? A critical reflection based on the perceptions of planning-related professionals
| António Ferreira, João Igreja, Alberto Manuel Miranda

Decision support systems for urban governance: Cross-Cutting analysis of planning and policy cycles
| Monique Borges, Carlos Gonçalves, João Vicente, João Marques

[In]visibilities: the academic city versus everyday cities
| Mennatullah Hendawy

17h45-18h15 | COFFEE-BREAK
FEUP

Session 2

Track 1: Social, environmental and economic dynamics

Chair: Emília Rebelo

Spatial planning and building back better after disaster

| Stephen Platt

Urban management of heritage sites: the case of Porto

| Gabriela Neves, Emília Rebelo

Finding principles of post-growth society based on a new approach to urban informality

| Toktam Ashnaiy, Seyed Abdolhadi Daneshpour

The São Francisco River's transfer: contradictions of the presence-absence of the construction along its infrastructure axes

| Carolina Sacconi

Urban green innovation: public interest, territory democratization and institutional design

| José Vargas-Hernández, Simone Di Pietro

Session 2

Track 2: Urban form

Chair: Miguel Lopes

Morphological resilience: from a theory of resilient urban forms to the tools for its implementation

| Alessandra Feliciotti, Martin Fleischmann, Ombretta Romice, Sergio Porta

Urban form and energy: exploring the micro-scale

| Nuno Gomes, Vítor Oliveira

Urban forms for a sustainable socio-metabolism – a survey on surveys from 20th century Portugal

| Teresa Marat-Mendes, Patrícia Bento d’Almeida, João Borges

The potential of urban agriculture for a sustainable transition of contemporary urban planning: The case of Lisbon Metropolitan Area

| Teresa Marat-Mendes, João Cunha Borges, Ana Dias, Raúl Lopes

Food as an urban infrastructure: city/food dynamics from the past to the future

| Mariana Salvador

Session 2

Track 3: Accessibility and transports

Chair: João Zeferino

Planners’ attitudes towards the cycling potential of their cities - an attitude change approach

| Tamara Bicalho, Cecília Silva

Using a hierarchical tree-based regression model to explore university students’ travel behaviour: non-motorized modes

| Catarina Cadima

Walkability on different paths

| Andréa Holz Pfützenreuter

Bicycle, accessibility and mobility justice

| Isabel Cunha, Cecília Silva

Torre at eye level: walkability induced by transition spaces

| Jéssica Gomes de Lucena, José de Souza Brandão Neto

Session 2

Track 4: Transformative planning processes

Chair: Paulo Silvestre

A decision-aid tool for pavement management

| Rita Justo-Silva, Adelino Ferreira, Gerardo Flintsch

The institutionalization of nature based solutions – a discourse analysis of emergent dedicated literature

| Rúben Mendes, Teresa Fidélis, Peter Roebeling, Filipe Teles

Rationality Re-Revisited: planning paradigms in the age of climate politics and socio-ecological transition

| João Mourato, André Pereira

Developing a planning support system for starter cycling cities: the cycling measures selector

| Cecília Silva, Luíza Bandeira, Tamara Bicalho, Catarina Cadima, Isabel Cunha, Joana Marques, Ana Mélice Dias

Designing urban transformation: the relevance of the local scale to associate mobility and urban planning strategies in São Paulo

| Alessandro Muzi, Marlon Longo

21h00 | CONFERENCE DINNER - Casa da Música

| 20th September

09h00-10h30 | PARALLEL SESSIONS III

FEUP

Session 3

Track 1: Social, environmental and economic dynamics

Chair: Fernando Brandão Alves

Village condominium management: a new model to rural areas management

| Anita Pinto, Álvaro Costa

The trade unions' impact on the transport systems and economy

| Ana Guimarães

Citizen sensing - development of a participatory risk management system

| Asma Mehan, Paula Gonçalves, Ana Monteiro, Paulo Conceição, Sara Cruz

Quality of life and sustainability in the context of urban shrinkage: the case of Porto (Portugal)

| Sílvia Sousa, Alberto Rodríguez-Barcón

Session 3

Track 2: Urban form

Chair: Miguel Serra

Open public space representation models – properties, attributes, measures and meanings

| José Nuno Beirão, Ljiljana Cavic

Public space as an indicator of post-socialist transition

| Jovana Bugarski

Convex and solid voids model and diversity of open public spaces – model's parameters, thresholds and constructing options
| Ljiljana Cavic, José Nuno Beirão

Experiencing urban shrinkage in a declining historical neighbourhood
| Solène Le Borgne

Appropriation, landscape and accessibility in public pericentral sidewalks in São João del-Rei - MG
| Gabriel Parede, Fernanda Corghi

Session 3

Track 3: Accessibility and transports
Chair: António Pais Antunes

Using decision trees to support the development of accident prediction models
| Hudson Pereira, Ana Bastos Silva, Álvaro Seco

Empirical evidence on the role of bikesharing in increasing sustainable mobility
| João Filipe Teixeira, Cecília Silva, Frederico Moura Sá

Intermodal Terminal Location in a Decentralized Management Context
| Erwin Delgado, Ana Barbosa-Póvoa, António Pais Antunes

Place-based experiments for sustainable mobility: the case of pedestrianisation in the historic centre of Palermo (Italy)
| Jessica Schussela, Ignazio Vincib, Cecília Silva

Routes of cyclists face the aspects that interfere in the course route in the city of Pelotas, Brazil
| Stéphanie Hillal

Expert-based speed limit setting in interurban roads
| Nuno Gregório, Ana Bastos Silva, Álvaro Seco

Session 3

Track 4: Transformative planning processes

Chair: Isabel Breda-Vazquez

Modern board games as tools for planning: an exploratory survey

| Micael Sousa

New approaches on local planning: ten years of public participation and the Lisbon Municipal Program for active Citizenship

| Miguel Graça

Planning institutions going informal: an opportunity to evolve

| Paulo Silva

Conflicts and challenges for architecture and urbanism education: building up urban spaces together in the city of Rio de Janeiro

| Vera Tangari, Giselle Azevedo

10h30-11h00 | COFFEE-BREAK

FEUP

11h00-12h30 | PARALLEL ACTIVITIES | *round tables, book launching, posters and games*

Roundtable 1: Degrowth: Plan it or leave it?

Moderators: Sílvia Sousa, Miguel Lopes

Roundtable 2: Urban form: Understanding its impacts on daily life

Book launching: David Viana - MAPUTO. (AUTO) ORGANIZAÇÃO E FORMA-DINÂMICA URBANA

Moderators: Vítor Oliveira

Hands-on Workshop - Serious Gaming: Adapting Modern Boardgames to Planning Practice

Facilitator: Micael Sousa

Poster Presentations - Project RE-CITY: Reviving shrinking cities

12h30-14h00 | LUNCH

FEUP

14h00-15h30 | PARALLEL SESSIONS IV

FEUP

Session 4

Track 1: Social, environmental and economic dynamics

Chair: Alberto Rodríguez-Barcón

Sustainability indicators for tourism applied to urban planning in Mozambique

| Pelágio Maxlhaieie, Anabela Ribeiro

The Economic Value for Cycling

| José Carlos Mota, Frederico Moura e Sá, João Pedro Ferreira, Catarina Isidoro

Multicriteria analysis and geoprocessing for implantation of new affordable housing in the city of Rio de Janeiro

| Thiago Lima, Gisele Barbosa

Analyses of temporal and spatial patterns of traffic-related particulate matter at urban scale

| Noela de Pina, J. Rodrigues, M. Ferreira, Oxana Tchepel

Touristification and urban patterns change: an analysis on the evolution of Alegria Street

| Beatriz Fontenele, Cinthia Cardoso, Lívio de Afonseca, Rafael Carretero, Virginia Coelho

Session 4

Track 2: Urban form

Chair: Vítor Oliveira

Polycentric strategic spatial planning for change in Niteroi

| Thereza Carvalho

Evaluation of pedestrian space quality at neighbourhood scale

| Viridiana Gabriel Lopes, Cecília Silva, Lucía Días Vilariño, Miguel Lopes

From urban form to urban design rules – extracting lessons from studio work in an informal settlement in Bandung, Indonesia

| Paulo Silva

The (re)design of the urban form as a project diagram: the case of the Jundiaí River Valley, São Paulo, Brazil, 2018

| Luciano Silva, Thiago Pelakauskas, Felipe Favero, Beatriz Rocha, Beatriz Mussara, Angélica Alvim

Qualification of the residual free spaces of the Brazilian metropolis

| Sergio Sandler

Session 4

Track 3: Accessibility and transports

Chair: Álvaro Costa

Two heuristic approaches for solving the smart waste collection routing problem

| Diana Rita Ramos Jorge, Ana Raquel de Aguiar, Carolina Soares de Morais, Tânia Rodrigues Pereira Ramos, Ana Paula Barbosa-Póvoa, António Pais Antunes

University students cycling: barriers, potentials, and solutions. a Portuguese case study

| Anabela Ribeiro, Mohd Farhan

Optimal deployment of aerial resources for wildfire initial attack: case studies
| João Zeferino

Integrated flight scheduling and fleet assignment with improved supply-demand interaction modelling
| Sebastian Birolini, António Pais Antunes, Mattia Cattaneo, Paolo Malighetti, Stefano Paleari

To what extent the physical design of developing cities spurs transit oriented development?
| Mohammad Hamed Abdi

Session 4

Track 4: Transformative planning processes
Chair: Carlos Gonçalves

Urban development projects funded with a financializing land value capture instrument: the five Brazilian experiences compared
| Cláudia Affonso, Emilia Rebelo, António Ferreira

The Brazilian housing program "Minha Casa Minha Vida" in Rio de Janeiro: an analysis of its social and urban aspects
| Angela Penalva, Pedro Vasques

Aging and accessible city: marketing or reality?
| Andréa Holz Pfützenreuter

New spatial dynamics and change in central zones
| Diana Silva, Isabel Breda-Vázquez

Spatial management system and local urban planning: a study about inhambaré city in Mozambique
| Pelágio Maxlhaieie, Anabela Ribeiro

Session 5

Track 1: Social, environmental and economic dynamics

Chair: Paulo Conceição

Habitability improvements in residential occupations at São Paulo city center

| Fabiana Endo, Lucas Gobatti, Thomas Yano, Luciana Royer, Luiz Cardoso

Transnationals phenomena, contemporary dynamics and territorial transformations: case study of Matosinhos City

| Elias Campos, Emília Rebelo, Jane Victal

MOBI-AGE: Promotion of urban mobility for aged populations

| Anabela Ribeiro, Ana Bastos, Fernando Brandão Alves, Sara Cruz, Inês Cunha, João Pedro Martins

The demography of housing on Portuguese low-density territories: an exploratory analysis for 2040

| Paulo Batista, Monique Borges, João Marques, Eduardo Castro

Food system transition, territory and policies

| Isabel Salavisa, Maria de Fátima Ferreiro, Sofia Bizarro

Session 5

Track 2: Urban form

Chair: Luisa Batista

If you want a better world, take a look at your own town:

Proposals for urban interventions in a brazilian university

| Isabelle Cunha, Ana Paula Barros

Climate - proof seashore street definition. Morphological analysis of the Portuguese waterfront cities

| Francesca Dal Cin

Foster + partners urban Design projects: case study

| Mafalda Pantoja, Rui Póvoas, João Pantoja

Public participation contribution to community development,

Towards the Development of a Conceptual Evaluation

framework

| Aymen Boudebouz, Anabela Ribeiro, Isabel Breda-Vázquez

The influence of green infrastructure on the Teresina's urban

microclimate on the Parnaíba River's banks

| Lara Lopes, Gilda Bruna

Session 5

Track 3A: Accessibility and transports

Chair: Arminda Almeida

(simultaneous with 3B)

Planning for the cyclable city: The gross potential for cycling

| Cecília Silva, Luíza Bandeira, Tamara Bicalho, Catarina Cadima,

Isabel Cunha, Joana Marques, Ana Mélice Dias

Metamodeling based on active learning: application to an

emergency medical service simulator

| Francisco Antunes, Marco Amorim, Francisco Pereira, Bernardete Ribeiro

Evaluation of the performance of bituminous mixtures with the

incorporation of fragments of low density plastic waste

| Rita Bandeira, Arminda Almeida

Measuring the economic and geographic impacts of air

accessibility on regional development: a local model approach

| Susana Freiria, António Pais Antunes

Allocation of street space for transportation: using multiple

criteria to compare solutions

| Luís Coimbra, Álvaro Seco

Session 5

Track 3B: Accessibility and transports

Chair: Sara Ferreira

(simultaneous with 3A)

A driving simulator study towards the driver inattention understanding

| Ana Bastos Silva, Nuno Gregório, Joana Dourado, Rosaldo Rossetti, Sónia Soares, Pedro Ferreira, José Pedro Tavares, António Couto, Sara Ferreira

Understanding driver behaviour – an experiment using an instrumented vehicle

| Joana Félix Dourado, Ana Bastos Silva, Álvaro Seco, Ana Telma Pereira

Assessing the shared autonomous vehicles' fleet size using flow optimization in an interurban demand context

| Gonçalo Santos, João Zeferino, João Bigotte, Gonçalo Correia

Pedestrian-vehicle interaction at unsignalized crosswalks: a simulation analysis

| Harley Amado, Sara Ferreira, José Pedro Tavares, Paulo Ribeiro, Elisabete Freitas

The role of technology in public transport use and satisfaction in a transnational context

| Mayara Monteiro, João de Abreu e Silva, Jesper Ingvardson, Jorge de Sousa

17h15-17h45 | COFFEE-BREAK

FEUP

17h45-19h15 | PLENARY SESSION | Benjamin Büttner | Ernest Alexander

Faculdade de Medicina Auditorium

19h15-19h45 | CLOSING SESSION | Rui Calçada | António Pais Antunes

Faculdade de Medicina Auditorium

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