VENICE

AESOP ANNUAL CONGRESS

9-13 JULY 2019

PLANNING FOR TRANSITION

Book of Papers

Università Iuav di Venezia

AESOP

AESOP 2019 Conference - Book of Papers
ISBN 978-88-99243-93-7

Sponsor

CAMERA DI COMMERCIO
VENEZIA ROVIGO

ENGIE

Table of Contents

PA 02 Transforming built heritage and landscapes

INFLUENCE OF CREATIVE ACTIVITIES ON THE RESIDENTS AND CONSERVATION OF CULTURE, HISTORY, AND LANDSCAPE IN SETOUCHI ISLANDS, JAPAN 2
Asai Yuka, Miyake Saki, Abe Hirokazu, Otsuka Noriko

INVISIBLE PROJECTS: IMAGINED NEARNESS AS A TOOL TO EXPLORE LONG-TERM TRANSITIONS OF LANDSCAPE/HERITAGE. THE CASE OF THE RIVER TIBER IN ROME 12
Avellini Elisa

ASSESSING THE TRANSITION FROM TRADITIONAL TO PARTICIPATORY HERITAGE MANAGEMENT IN TURKEY 21
Aydin Gizem, Bleil de Souza Clarice, Cerutti Federico

TRANSITIONS TOWARDS LANDSCAPE-AND HERITAGE-CENTRED LOCAL DEVELOPMENT: A MULTI-LEVEL PERSPECTIVE 35
Barbanente Angela, Grassini Laura

THE SLOW LINE AS AN OPPORTUNITY TO REGENERATE HERITAGE IN THE FRAGILE AREAS: THE CASE OF THE VENTO PROJECT 49
Dezio Catherine, Giambruno Maria Cristina, Oppio Alessandra, Pileri Paolo

RESEARCH ON THE RENEWAL STRATEGY OF NEW AND OLD INTERSECTION COMMUNITIES IN METROPOLIS BASED ON THE CONCEPT OF LANDSCAPE URBANISM - TAKING A PRACTICE IN SHANGHAI TIANLIN COMMUNITY AS AN EXAMPLE 62
Hu Shufen

TOWARDS A HISTORICAL URBAN LANDSCAPE: PRINCIPLES AND APPROACHES IN RECENT BUILT HERITAGE AND LANDSCAPE REGENERATION PROJECTS IN THE YORKSHIRE REGION OF ENGLAND 75
Huang Yong, Ren Xiang

UMBRELLAS, INCUBATORS, MOTHERS AND KILLERS: FOUR TYPOLOGIES OF RELATIONSHIP BETWEEN CULTURAL MEGA-EVENTS AND SMALL AND MICRO EVENTS IN HERITAGE-RICH EUROPEAN CITIES 85
Jones Zachary, Ponzini Davide

REFLECTIONS ON INDIVIDUAL MEMORY IN THE TRANSFORMATION OF CULTURAL HERITAGE COGNITIVE CONTEXT 95
Li Cong, Li Jiaying

EMERGING NEW MODEL OF URBAN RESIDENTIAL HISTORICAL BUILT-UP AREA RENEWAL IN CHINA: FIVE PRACTICE OF URBAN RENEWAL IN SHENZHEN, GUANGZHOU AND SHANGHAI 119
Long Jiayu, Gang Liu

PARADOXES OF THE ITALIAN HISTORIC CENTRES BETWEEN UNDERUTILISATION AND PLANNING POLICIES FOR SUSTAINABILITY 132
Pellegrini Paola, Micelli Ezio

ALPINE INDUSTRIAL LANDSCAPES IN TRANSITION. TOWARDS A TRANSFERABLE STRATEGY FOR BROWNFIELD TRANSFORMATION IN MOUNTAIN REGIONS. 147
Modica Marcello, Weilacher Udo

BUILT HERITAGE AND LANDSCAPE ROLE IN THE ROME METROPOLITAN PLAN 166
Nucci Lucia

THE PRODUCTION OF HERITAGE 172
Pace Michela, Chandler Alan

DEVELOPING TRANSFORMATION STRATEGIES FOR ALPINE INDUSTRIAL LANDSCAPES SHOWN BY THE STYRIAN IRON ROUTE IN AUSTRIA 182
Pechhacker Julia, Forster Julia

LET'S TALK ABOUT CHANGE - EXPERIENCES FROM A VIDEO EXHIBITION CONFRONTING THE PUBLIC WITH URBAN AND LANDSCAPE TRANSITION BY REVISITING THE ORIGINAL SITES OF RELOCATED HISTORICAL MUSEUMS BUILDINGS TO VIEW THESE SITES IN THEIR CURRENT STATE 196
Schretzenmayr Martina, Casaulta-Meyer Simona

Table of Contents

THE INFLUENCES AND IMPLICATIONS OF THE EUROPEAN CAPITAL OF CULTURE ON INTANGIBLE HERITAGE: NOVI SAD 2021 209
Stupar Aleksandra, Camprag Nebojša, Polić Darko

URBAN DESIGN METHODS OF SHANGHAI TILANQIAO HISTORIC DISTRICT UNDER THE BACKGROUND OF URBAN RENEWAL 223
Sun Xinyu

IN SUPPORT OF GLOBAL INTEGRATED LANDSCAPE INITIATIVES: EXPERIENCES FROM THE GREEN HEART IN THE NETHERLANDS 236
Tisma Alexandra, Meijer Johan

BUILT HERITAGE AND AGENDA 2030. EMBEDDING HERITAGE VALUES IN THE SPATIAL PLANNING LOCAL AGENDA 248
Trillo Claudia

WHO IS AFRAID OF TRANSITION? MONITORING THE IMPACT OF TRANSFORMATION ON HISTORICAL RURAL LANDSCAPES AS INDICATOR OF COMMUNITIES' CHANGING NEEDS 261
Vigotti Francesca

RECONSTRUCTING PUBLIC HISTORY THROUGH EUROPEAN SETTLER AND INDIGENOUS HERITAGE AND LANDSCAPE 272
Walker Ryan

SUSTAINABLE PROTECTION OF CHINESE HUMAN-HABITAT HISTORICAL ENVIRONMENT FROM THE PERSPECTIVE OF TRANSITION:CASES STUDY OF TRADITIONAL VILLAGES AND ANCIENT CITY OF PINGYAO IN SHANXI PROVINCE 290
Xu Xiwei, Yin Xi, Li Yang

TRANSFORMATION OF ROADS' FEATURE PROTECTION: STATUS AND FUTURE THINKINGS OF SHANGHAI'S FEATURE-PROTECTED ROADS:BASED ON THE CASE OF YUYUAN ROAD IN SHANGHAI 301
Zhou Yeyuan, Xueyan Wang

PA 03 Urban design for multilevel planning

WHAT ROLE DO URBAN POLICIES PLAY IN ENHANCING THE SATISFACTION FROM NEIGHBOURHOOD OPEN SPACES IN MIXED-USE CITY CENTRES: LESSON FROM AUCKLAND 315
Amirshekari Razno Salma, Beattie Lee, Silva Cristian Alejandro

OPPORTUNITIES, INNOVATION, AND LEGITIMACY IN PUBLIC-PRIVATE COLLABORATION. LESSONS FROM FRENCH PRACTICES 327
Ariani Camilla, Donvito Giacinto

ROME CAPITAL REGION: REASONS AND SCOPE OF A DIFFERENT PROSPECTIVE 352
Caudo Giovanni , Baioni Mauro, de Strobel de Haustadt E Schwanenfeld Lorenzo

EXPLORING IBA BASEL – ASSESSING THE IMPACT OF TRINATIONAL COOPERATION AND THE RESULTING PERSPECTIVES FOR THE POST IBA PERIOD 360
Förster Agnes , Frieling Katharina, Thissen Fee Natalie

THE ROLE OF PARTICIPATORY PLANNING METHODS IN THE DEVELOPMENT OF PUBLIC SPACES: A SYSTEMATIC CASE STUDIES REVIEW ON SUSTAINABLE URBAN GOVERNANCE 375
Geddes Ilaria, Charalambous Nadia, Papallas Andreas

LIVING APARTMENT BUILDINGS IN ANKARA AND THEIR RELATION WITH THE CITY 389
Gedikli Bahar

RESEARCH ON RENEWAL OF LEFTOVER SPACES BASED ON MULTI-ACTOR PLANNING 410
Guo YUCHEN, Baykurt Burçin, Dai Shuyuan

CITY AS A TRANSFORMATIONAL TOOL. THE INFINITY CITIES OF IVAN LEONIDOV 433
Lanini Luca

PARTICIPATION AND COMMUNICATION: CHANGSHA CHILDREN FRIENDLY CITY PLANNING, DESIGN AND ACTIONS ON MULTIPLE LEVELS 444
Li Ziyue, Ze Zhang

Table of Contents

A MULTILEVEL URBAN LANDSCAPE MEASUREMENT FOR ZONING CONTROL – A CASE STUDY OF GUSHAN KAOHSIUNG IN TAIWAN 460
Li Jouhui, Han-Liang Lin

THE ROLE OF CLIMATHON® IN THE CHALLENGE OF MULTILEVEL ECOLOGICAL PLANNING 479
Lorenzo Viviana, Massari Martina

INTERDISCIPLINARY METHODOLOGY FOR RETHINKING THE URBAN LAYOUT VIA MULTI CRITERIA ANALYSIS AND INDICATOR APPLICATION 488
Luciani Francesca Romana, Caccamo Alessio, Herzog Lavinia, Nigro Silvia, Tommasoli Lavinia

COLLABORATIVE PROCESSES AND SPATIAL PLANNING: THE NATIONAL SPATIAL PLANNING POLICY IN PORTUGAL 499
Maia Catarina, Sá Marques Teresa

FROM TRADITIONAL NEIGHBORHOODS TO URBAN ENCLAVES: AN INVESTIGATION ON THE RESIDENTS' PERCEPTIONS OF THEIR RESIDENTIAL TERRITORIES 514
Memlük Çobanoglu Nihan Oya, Akkar Ercan Müge

THE CHARACTERISTICS OF THE WORKING PLACE OF THE CREATIVE CLASS: THE CASE OF FASHION DESIGNERS IN ISTANBUL NISANTASI 528
Olcay Gülsen Pelin, Mengin Hande

AN INCLUSIVE, MULTILEVEL PLANNING EXPERIENCE TO REGENERATE MILAN METROPOLITAN PERIPHERIES 545
Pezzoni Nausicaa

CHARACTERISTIC OF FLEXIBLE SPACE OF TRADITIONAL URBAN STREET UNDER THE CONCEPT OF HEALTHY CITY: CASE STUDY OF MUSLIM SETTLEMENTS IN XI'AN 555
Ren Yunying, Bai Shuaishuai, Wang Ruoyu

ASSESSING TERRITORIAL VULNERABILITIES AND SPATIAL INEQUALITIES: THE CASE OF PORTUGAL 566
Marques Teresa , Saraiva Miguel, Matos Fátima, Maia Catarina, Ribeiro Diogo, Ferreira Márcio, Amante Ana

GRENOBLE-ALPES AND THE ECOLOGICAL TRANSITION: TERRITORIAL PLANNING IN MOTION 577
Seigneuret Natacha

THE SPATIAL DIMENSION OF THE FLEMISH COVENANT OF MAYORS: A COMPARATIVE SPATIAL ANALYSIS ON THE TRANSITION TOWARDS ENERGY NEUTRAL MUNICIPALITIES 591
Van Noordt Anneloes

SENSING OLDER PEOPLE'S LIVED EXPERIENCES THROUGH VISUAL IMAGES IN SINGAPORE 602
Yuen Belinda

PRIVATIZATION, MARGINALIZATION AND REUSE OF WATERFRONT SPACE IN NEW TOWN - TAKING ZHANGJIANG SCIENCE CITY ZHONGSHI UNIT AS AN EXAMPLE 613
Zhang Shuhan, Zhang Hanghua

STUDY ON THE CONSTRUCTION STRATEGY OF GREEN SPACE IN URBAN SHALLOW MOUNTAIN AREA—TAKING XISHAN MILITARY INDUSTRY COMMUNITY IN WULITUN AREA OF BEIJING AS AN EXAMPLE 633
Zhao Xiyao, Zhuang Hang, Lin Qing

PA04 Teaching planning for the transition

THE ROLE OF THE UNIVERSITY IN THE PROMOTION OF SOCIO-SPATIAL JUSTICE 645
Álvarez de Andrés Eva, Falleiros Frare Ulises

RESEARCHING SCHOOLS VS RESEARCHING WITH SCHOOLS. AN URBAN RESEARCH LABORATORY EXPERIENCE IN AN ITALIAN HIGH SCHOOL 654
Aliberti Francesco, Avellini Elisa

RECONFIGURING TEACHING/LEARNING/ACTION/RESEARCH: APPARATUS FOR SOCIO-SPATIAL TRANSFORMATION WITH/IN DISADVANTAGED RURAL REGIONS 661
Baxter Jamie

Table of Contents

INTEGRATED DEVELOPMENT PLANNING - POLISH PRATICE AND DIDACTIC CHALLENEGES 679
Churski Pawel

TEACHING URBAN PLANNING THROUGH INTERNATIONAL COOPERATION PROJECT WITH AFRICAN CITIES IN VERY FAST TRANSITION TIMES 694
De Leo Daniela, Coralli Monica

A COLLABORATIVE LEARNING APPROACH TO PROMOTE POSITIVE INTERDEPENDENCE IN A "PLANNING SUSTAINABLE CITIES" COURSE 699
Martinez Javier

TRAINING YOUNG PLANNERS AS EXPERTS IN PARTICIPATORY PROCESSES: THOUGHTS AND EXPERIENCES FROM PALERMO, ITALY 714
Picone Marco, Schilleci Filippo

CREATING SHARED CONSCIOUSNESS THROUGH COLLABORATIVE EDUCATION: THE CASE OF MUNICIPAL AMALGAMATION IN UKRAINE 721
Vlasenko Iegor, Thomann Urs

INCLUSIVE EXPERIENTIAL LEARNING AT GRADUATE LEVEL PLANNING STUDIO: A COLLABORATIVE GOVERNANCE CASE 739
Waite Imge Akcakaya, Alkay Elif, Becerik Sinem

"COLLABORATIVE INTERNATIONAL WORKSHOPS – A JOINT BRAZILIAN-GERMAN TEACHING EXPERIENCE FOR PLANNING IN VULNERABLE AREAS COLLECTIVE LEARNING ON PLANNING FOR INTEGRATION AND TRANSITION" 762
Wolff Almut, Leitão Gerônimo

PA05 Institutional change and regional transition

THE ROLE AND THE FUTURE OF SMALL TOWNS IN THE CENTRAL ITALY EARTHQUAKE CRATER 2016 AND "THE RECONSTRUCTION OF THE POSSIBLE", PARTICIPATORY WORKSHOP FOR A POST-EARTHQUAKE DEVELOPMENT PLAN IN BOLOGNOLA 773
Baiocco Ruben, Catalanotti Cristina, Ernesti Giulio, Barbiero Massimiliano

BETWEEN EAST AND WEST. EU AND CHINA'S COMPETING SPATIAL INTEGRATION LOGICS FOR THE WESTERN BALKAN REGION 779
Berisha Erblin, Cotella Giancarlo

BUILDING RESILIENCE THROUGH COLLECTIVE LEARNING IN PROJECT-ORIENTED ORGANIZATIONS IN INFRASTRUCTURE PLANNING 795
De Groot Bert, Leendertse Wim, Arts Jos

IN-BETWEEN DYNAMICS. TOWARDS A RECONCEPTUALIZATION OF SOFT SPACES IN REGIONAL PLANNING 810
De Jong Martine, Hajer Maarten, Hoffman Jesse

METROPOLITAN GOVERNANCE IN MEXICO: THE INSTITUTIONS 832
Demerutis-Arenas Juan Ángel

"THERE IS NO WAY OF SPEAKING LOGICALLY ABOUT THIS MESS": THE IMPACT OF ACTOR-RELATIONAL DYNAMICS ON INTEGRATED PLANNING PRACTICE 846
Eräranta Susa, Mladenovic Miloš N.

REGIONAL INNOVATION AND THE NEW TERRITORIAL GOVERNANCE. FRENCH AND SPANISH CASES 858
García-Nicolás Cristina

REGIONAL TRANSITION, TERRITORIAL DIFFERENTIATION, COMPOSITION FOR SUSTAINABLE TRAJECTORY 872
Verpraet Gilles

SETTING UP THE NEW PLANNING SYSTEM IN KOSOVO - EVOLUTION AND INFLUENCES IN THE DEVELOPMENT 891
Gjinolli Ilir

RESPONSIBILISATION IN FISH HABITAT REHABILITATION AND STEWARDSHIP 912
Gregory Kieran, Grant-Smith Deanna

Table of Contents

SPATIAL EVOLUTION CHARACTERISTICS AND THE PLANNING COORDINATION MECHANISM OF CROSS-BORDER REGIONS IN RESCALING 925
Huang Yinbo

RESEARCH ON REGION GOVERNANCE CHARACTER AND MECHANISM OF SUBURBAN COUNTIES SURROUNDING METROPOLITANS IN CENTRAL CHINA 937
Huang Yong, Sun Xuyang

SPATIAL GOVERNANCE AND PLANNING SYSTEMS AND THE CAPACITY FOR PUBLIC CONTROL OF SPATIAL DEVELOPMENT: A EUROPEAN TYPOLOGY 951
Berisha Erblin, Cotella Giancarlo, Janin Rivolin Umberto, Solly Alys

ASPERN EXPLAINED: HOW THE DISCURSIVE INSTITUTIONALIZATION OF INFRASTRUCTURE PLANNING SHAPED NORTH-EASTERN VIENNA'S URBAN TRANSFORMATION 965
Krisch Astrid, Suitner Johannes

"OBSERVING GOVERNANCE FROM THE 'STREET LEVEL' AN INVESTIGATION ON FIRST ACCESS SERVICES IN BOLOGNA, EMILIA ROMAGNA, ITALY" 985
Marani Benedetta

INSTITUTIONAL PATTERNS FOR METROPOLITAN GOVERNANCE IN LAC COUNTRIES. THE DIFFERENTIATED EVIDENCE FROM BOLIVIA AND BRAZIL 1005
Pioletti Maurizio, Royer Luciana de Oliveira, Urquieta Crespo Patricia

TERRITORIAL PLANNING AND URBAN TRANSFORMATIVE CAPACITIES. PRELIMINARY REFLECTIONS ON THE CASE OF VALENCIA IN SPAIN 1026
Segura-Calero Sergio, Peris Jordi

URBAN RENEWAL MECHANISM IN MINORITY NATIONALITY AREAS OF CHINA IN THE NEW ERA 1040
Shen Cheng, Zhang Xinyi

GRAND PARIS OR ÎLE-DE-FRANCE? COMPARING TWO INSTITUTIONAL MODELS FOR TRANSITIONING TO SUSTAINABLE TRANSPORT IN THE ÎLE-DE-FRANCE REGION 1051
Singerman Ray Rosalie, Maaoui Magda

GOVERNANCE AND POWER IN THE METROPOLITAN REGIONS OF THE RANDSTAD 1058
Spaans Marjolein, Zonneveld Wil, Stead Dominic

ADVISABILITY OF REINTRODUCING THE BUILDING CODE DOCUMENT TO CANTON SARAJEVO SPATIAL AND URBAN PLANNING LEGISLATION 1081
Tabori Nataša

THE NEW DYNAMICS BETWEEN REGIONAL AND URBAN GOVERNANCE: RURAL AREAS AS CONNECTION ELEMENT 1100
Torrisi Luca

PA06 Methods and technologies for transformative planning

TERRITORY AS MEDIA AND SOCIAL MEDIA AS TERRITORY 1116
Aliberti Francesco

TECHNOLOGY READINESS FOR CITIES: THE NEAR-FUTURE CASE OF AUTONOMOUS PASSENGER DRONES 1126
Donnet Timothy

THE SYSTEM OF SOCIO-SPATIAL DIVERSITY MONITORING IN THE CITY OF GDANSK, POLAND 1133
Gralewska Anna

URBAN PLANNING AND NATURE: PARAMETRIC MODELLING AS A TOOL FOR RESPONSIVE GREENING OF CITIES 1143
Lemes de Oliveira Fabiano , Hamdan Dana

MAPPING THE LANDSCAPE OF BEHAVIOURAL THEORIES: SYSTEMATIC LITERATURE REVIEW (SHORT REVIEW OF) 1156
Kwon Heeseo Rain, Silva Elisabete A.

Table of Contents

A TRANSDISCIPLINARY PERSPECTIVE ON CITY TECHNOLOGIES: TOUCHPOINTS BETWEEN INFORMATICS AND URBAN DISCIPLINES 1161
Lupi Lucia

TOWARDS A BETTER UNDERSTANDING OF UPCOMING CHALLENGES RELATED TO TECHNOLOGY AND DATA USABILITY WITHIN DESIGN PRACTICE. KEY REFLECTIONS FROM A COLLABORATIVE PROCESS IN AMSTERDAM CITY 1178
Luque-Martín Irene

LANDSUPPORT, A DECISION SUPPORT SYSTEM FOR TERRITORIAL GOVERNMENT 1192
Coppola Emanuele, Moccia Francesco Domenico

A KNOWLEDGE-DRIVEN APPROACH TO URBAN TRANSFORMATIONS: DENSIFICATION STRATEGY OF THE CENTRAL PARTS OF BERGEN, NORWAY 1203
Roald Hans Jacob, Elric de Koning Remco

SÃO PAULO CITY GIS PLATFORM: GEOSAMPA 1217
Seo He Nem Kim, Aguilar Carolina Bracco Delgado de

EXPLORING THE RELATIONSHIP BETWEEN URBAN VITALITY AND THE DISTRIBUTION OF AMENITY TYPOLOGIES 1226
Sulis Patrizia, Manley Ed

THE MAPPING OF HISTORICAL STREETS ON SOCIAL MEDIA: A CASE STUDY BASED ON IMAGE RECOGNITION AND SEMANTIC RECOGNITION 1235
Tang Haoming, Wang Weiqiang

COMMUNITY-BASED DATA FOR A NEW TAXONOMY OF ABANDONED PLACES 1247
Garda Emanuele, Saloriani Stefano, Villa Daniele

PA07 Community-based planning and social innovation

THE SELF-BUILD HOUSING IN MADRID (SPAIN): 40 YEARS OF STRUGGLE 1257
Álvarez de Andrés Eva

NEW ROLES FOR ADMINISTRATIONS, PLANNERS AND CITIZENS IN THE SELF-ORGANIZATION VIEW 1263
Belingardi Chiara

TERRITORIAL CONFLICTS IN METROPOLITAN AREAS. A REGENERATION PROJECT FOR THE RESURGENCE OF A COMMUNITY 1272
Caruso Elisa, Lingua Valeria

CITIES AND SELF-ORGANIZATION. A DISCUSSION STARTING FROM ROME 1280
Cellamare Carlo

THE SERIOUS GAME: A LEARNING TOOL TO ENHANCE THE COMMUNITIES IN THE CONTEXT OF SUSTAINABLE CITIES 1290
Cravero Sara, Lami Isabella, Abastante Francesca

RESEARCH ON URBAN COMMUNITY MICRO-REGENERATION FROM PERSPECTIVE OF MULTI-ACTOR PARTICIPATION: THE CASE OF YANGPU DISTRICT IN SHANGHAI 1302
Fang Jialin, Yang Guiqing

SENSE OF OWNERSHIP: APPLICATION OF PARTICIPATORY ACTION RESEARCH APPROACH IN CULTURAL ECOSYSTEM VALUATION PROCESSES IN CONTROVERSIAL URBAN DEVELOPMENT PROJECTS 1323
Fatourehchi Shabestari Akram, Ruth van Roon Marjorie

LIVING SPACE RESEARCH IN TYPICAL RESIDENTIAL AREAS OF SHANGHAI 1337
Fu Yingzi, Wang De

TRANSITION REQUIRES COLLABORATIVE WORK. DISCOVERING AND DEFINING ACTIONS THAT SUPPORT SUPERMIXED CITIES 1349
Huybrechts Liesbeth, Pennincx Inge, Zaman Jan, De Mulder Sophie, Giaretta Federico, Tack Bram

PUBLIC PARTICIPATION IN THE COMMUNITY PLANNING IN CHINA 1363
Jia Shuqian, Cao Kang

Table of Contents

ENTREPRENEURIAL NEIGHBORHOOD PLANNING BASED ON MULTI-STAKEHOLDERS CO-CREATION 1365
Jiang Chenhan, Li Chen

EXPLORATIONS ON THE ACTIVATION ROUTE OF GATED COMMUNITY BOUNDARY SPACE BASED ON COMMUNITY MICRO-RENOVATION——A CASE STUDY OF SHANGHAI 1377
Kai Xin, Yang Guiqing

"STOP THE CHILD MURDER": HOW A GRASSROOTS MOVEMENT FOR CHILDREN'S SAFETY FORMED A NEW PARADIGM IN URBAN DESIGN 1397
Katsavounidou Garyfallia

URBAN MICRO-RENOVATION BASED ON ACTION RESEARCH METHODOLOGY: A CASE STUDY OF YIFENGLI, HONGKOU DISTRICT, SHANGHAI 1407
Li Qing , Lin Ni

"THE ROLE OF ACTIVIST RESEARCHERS IN URBAN AND REGIONAL PLANNING. ANALYSING AND COMPARING INTERNATIONAL CASE STUDIES OF SOCIAL CHANGE" 1416
Scaffidi Federica , Franco Monica Lopez, Mottee Lara, Sharkey Megan

NETWORKING COLLECTIVE KNOWLEDGE TO FOSTER CHANGE. THE CASE OF SANSHEROES NETWORK (SAN SIRO, MILAN) 1434
Maranghi Elena

LET'S MEET AT THE URBAN COURTYARD! THE ROLE OF THE COMMUNITY PARTICIPATION IN MICRO-SCALE URBAN REGENERATION IN KRAKOW 1443
Miskowiec Magdalena

LOST OR FOUND IN TRANSLATION? TRANSLATING INNOVATIVE FORMS OF PARTICIPATION INTO FORMAL DECISION MAKING 1456
Ringholm Toril

TRANSFORMATION OF GROWN CITY CENTRES 1474
Schaumann Elisabeth, Simon-Philipp Christina

CO-CREATING COLLECTIVE IMAGINATION. HOW TO PRODUCE THOUGHT-IMAGES FOR URBAN REFRAMING? 1485
Schreurs Jan E.a.

STREET-LEVEL DEMOCRACY? URBAN PROFESSIONALS AS PARTICIPATORY INNOVATORS IN NEIGHBOURHOOD PLANNING PROCESSES 1497
Van Aanholt Jelle , Spanjar Gideon, De Nijs Karin, Suurenbroek Frank, Majoor Stan

PLANNING FOR TRANSITION AND THE MULTIPLE PERSPECTIVES ON DEMOCRATIC LEGITIMACY 1514
Wolff Almut

CULTURAL STAKING: TRANSITION OF THE CORE PUBLIC SPACE OF RURAL SETTLEMENTS 1524
Yang Guiqing, Xiao Yinghe

PA08 Theorizing urban change: complexity and ethics

REBUILDING THE PLANNING SYSTEM: THE TRANSITION TOWARDS PROFESSIONAL ANTAGONISM IN THE UPHILL BATTLE OF MADRID NUEVO NORTE 1537
Aparicio Angel, Arias Félix

SEX (ROLES) AND THE CITY 1548
Belingardi Chiara

MANAGING RELIGIOUS MEGA-EVENT IN A MUNDANE URBAN COMMUNITY: THE CASE OF MUSLIM EID AL-FITR IN HUXI MOSQUE, SHANGHAI 1554
Cai Tong, Zhang Ze

THE RIGHT TO HOUSING: FROM OCCUPATION TO TRANSITORY COLLECTIVE HOUSING IN TURIN. THE CASE OF VIA LA SALETTE 1559
Cottino Valeria, Gai Veronica, Mosetto Annalisa, Sacco Paola

URBAN AGRICULTURE AND THE SOCIAL ROLE OF URBANISM: PLANNING AND ETHICS FOR COMMUNITIES AND TERRITORIES 1569
Marat-Mendes Teresa, Cunha Borges João

Table of Contents

TOWARDS POST-HUMAN URBANISM 1584
Lapintie Kimmo

COMMUNICATION THROUGH VISUALIZATION: THE PURPOSE, ROLE AND STYLE OF VISUALIZATIONS IN URBAN PLANNING 1595
Mikulcik Burcu

DESIGN IN THE ANTHROPOCENE: AN OPENING TO THE OTHER 1603
Rispoli Micol

PA09 Transition paths and urban futures

LANDING. THE NEED FOR A RENEWED URBAN VOCABULARY FOR HOSPITALITY (AND THE CITY) 1615
Bovo Martina

UNDERSTANDING THE URBANITE-ORIENTED PERFORMANCE OF ECOSYSTEM SERVICE I N PERI-URBAN AREAS: AN ANALYTICAL FRAMEWORK 1625
Liu Shuang , Li Zhipeng, Yan Kai, Chen Chen

SUSPENDED TERRITORIES AND WINDOWS OF OPPORTUNITY AFTER THE 2016 EARTHQUAKE IN CENTRAL ITALY 1637
Francucci Marco Emanuel

LITHUANIA AT THE CROSSROADS: EXPERIENCE FROM THE 'MAKING' OF A NATIONAL SPATIAL PLAN 1645
Gauce Kristina, Ratkute-Skackauskiene Giedre, Jakutyte-Walangitang Daiva, Neubert Nikolas

BREX CITY: CURRENT AND FUTURE URBANITIES OF THE UNITED KINGDOM/REPUBLIC OF IRELAND BORDER 1660
Jefferies Tom

BUILDING URBAN FUTURES THROUGH AN EXPLORATORY PROJECT: HOW CAN INNOVATIVE DESIGN APPROACHES BE USED TO REGENERATE URBAN PLANNING ROUTINES? 1670
Lavoie Nicolas, Abrassart Christophe, Scherrer Franck

ADAPTATION. A METAPHOR FOR THE AGE OF CLIMATE CHANGE 1686
Magnabosco Giacomo, Bertin Mattia, Fabian Lorenzo

QUESTIONS OF JUSTICE IN HYDROLOGICAL EXTREMES: ADVANCED REVIEW 1698
Savelli Elisa, Rusca Maria, Di Baldassarre Giuliano

THE STRATEGIC DILEMMA OF AN OPEN AND CLOSED APPROACH OF TRANSITIONAL CHANGE. COMPARING THREE TRANSITION PATHS TO SUSTAINABILITY IN THE NETHERLANDS. 1710
Van der Wouden Ries

PA10 Climate proof cities and resilient societies

URBAN RESILIENCE TO DISASTERS: A POLICY CASE FROM TURKEY 1726
Adikutlu Selin, Şenol Balaban Meltem

CLIMATE CHANGE IMPACTS IN THREE REGIONS OF GREECE: INTERCONNECTIONS WITH REGIONAL PUBLIC PERCEPTIONS AND PLANNING POLICIES 1734
Angra Dimitra, Sapountzaki Kalliopi

URBAN GREEN SPACES IN TRANSITION: URBAN SOCIAL-ECOLOGICAL RESILIENCE IN THE REGION FRANKFURT RHINE-MAIN—A REVIEW 1754
Bilgic Pinar

A STUDY ON ESTABLISHMENT OF THE FLOOD PROTECTION STANDARD - A CASE STUDY OF DALI RIVER BASIN IN TAIWAN 1770
Chang Hsueh-Sheng, Katayama Takahiro

CLIMATE JUSTICE AND INTEGRATED FLOODING RISK ASSESSMENT AND MANAGEMENT: A FRAMEWORK AND CASE STUDIES IN USA AND TAIWAN 1780
Cheng Chingwen, Chiang Li-Chun, Yao George C., Chou Wen-Jyun

Table of Contents

LAND POLICY TOOLS IN FLOOD RISK GOVERNANCE: THE DIFFERENTIATED EXPERIENCES ARISING FROM THE BASINS OF THE RIVERS EVROS (GREECE) AND SCHELDT (BELGIUM) 1788
Delladetsimas Pavlos Marinos, Katsigianni Xenia, Van den Broeck Pieter , Hiergens Ide

STUDY ON COUNTERMEASURES AND SPATIAL POTENTIAL OF CHINA'S COASTAL CITIES IN RESPONSE TO HEATWAVE AND FLOOD HAZARDS 1800
Feng Ning, Li Yang

ERRATIC CLIMATE CHANGE PLANNING: THE GOLD COAST'S ALTERNATING TRANSITION 1821
Howes Michael, Dedekorkut-Howes Aysin

ENHANCING CITIES' RESILIENCE IN THE FACE OF MULTIPLE CHALLENGES: ON-GOING EXPERIENCES IN ITALIAN AND GREEK CITIES 1833
Limongi Giada, Salata Konstantina-Dimitra, Galderisi Adriana

FROM THE VIEWPOINT OF ECOSYSTEM SERVICE : A STUDY OF FUNCTIONAL REGIONALIZATION IN CHIAYI CITY, TAIWAN 1854
Lin Chia-Ming, Chang Hsueh-Sheng

RESEARCH ON THE CONSTRUCTION OF "SPONGE CAMPUS" FROM THE PERSPECTIVE OF LOW IMPACT DEVELOPMENT - A CASE STUDY OF JIANGPU CAMPUS OF NANJING TECH UNIVERSITY 1863
Ling Lin, Dai Shenzhi

CONVENING REGIONAL CLIMATE COLLABORATIVES: A CROSS-COMPARISON OF US CASES 1879
Margerum Richard D, Adams Steve, Bruce Josh

SENSING THE CITY: CLIMATE CHANGES AND ADVANCED TECHNOLOGIES 1889
Fusero Paolo, Massimiano Lorenzo

COOPERATIVE BRIDGES: THE ROLE OF RISK PERCEPTION IN CONSTRUCTION OF RESILIENT COMMUNITIES 1895
Monno Valeria, Frisullo Daniela

BEYOND BARRIERS: EXPLORING THE FUTURES OF CLIMATE INFRASTRUCTURE ON THE VENETIAN LAGOON 1907
Toro Barragan Vanessa, Chan Collyn, Haney Elizabeth, Mohyuddin Azka, Ocampo Mary Anne, Ofsevit Ari, Purdy Bella, Smith Mary Hannah, Wong Angela

PLANNING AND ARCHITECTURE FOR CLIMATE ADAPTATION: THE EXPERIENCES OF THE "STRUCTURE-TERRITORIES" IN LOW AND HIGH DENSITY CITY 1924
Serreli Silvia, Sanna Gianfranco, Biddau Giovanni Maria, Spanedda Pier Paolo, Chemli Nesrine

FLOOD: CAN MIAMI LEARN FROM VENEZIA (OR THE OPPOSITE) 1941
WASHER CHRISTOPHE

A COMPARATIVE ANALYSIS OF LOCAL CLIMATE CHANGE ADAPTATION PLANS FOR NATURAL DISASTER RISK REDUCTION IN SOUTH KOREA 1952
Yoon Dong Keun, Cho Seong Yun, Choi Yeon Woo, Jang Jung Woo

RESILIENT PLANNING OF CHINESE DELTA CITIES UNDER CLIMATE CHANGE 1968
Zhang Xinyi, Shen Cheng

PA11 Urban metabolism and circular economy

CIRCULAR ECONOMY IN URBAN PROJECTS: A CASE STUDIES ANALYSIS OF CURRENT PRACTICES AND TOOLS 1981
Appendino Federica, Roux Charlotte, Saadé Myriam, Peuportier Bruno

URBAN METABOLISM AND THE CIRCULAR ECONOMY , THE CAPITAL APPROACH 1996
Hunt Peter

LOCAL MANUFACTURING SYSTEMS IN THE PIEDMONT AREA. NEW SCENARIOS FOR AN INLAND METABOLISM 2009
Leonardi Maria

RESEARCH ON THE THEORETICAL FRAMEWORK OF INTEGRATED URBAN WATER SYSTEM PLANNING BASED ON WATER CYCLE THEORY 2025
Liu Feiping, Dai Shenzhi

Table of Contents

THE GOVERNANCE OF THE CIRCULAR ECONOMY: INSIGHTS FROM THE VENETO REGION 2043
Church Jon Marco , Lucertini Giulia, Bellinato Giacomo, Guolo Erika, Pizzo Giovanna, Bonomin Giulia

BRINGING WASTE TO THE FOREGROUND OF CITIES. TOWARDS SUSTAINABLE TRANSITION MANAGEMENT IN THE URBAN REGION OF NAPLES (ITALY) 2064
Berruti Gilda, Palestino Maria Federica

DATA CENTER AND THE CITY: A POTENTIAL FOR URBAN SYNERGIES 2072
Ramos Cáceres Cristina, Sandberg Marcus, Sotoca Adolfo

RETHINKING ORGANIC WASTE STREAMS AS METABOLIC DRIVERS FOR IMPROVING URBAN SUSTAINABILITY AND AGROECOLOGICAL PRACTICES 2081
Stempfle Sarah, Tornaghi Chiara, Reho Matelda

PA12 Housing, gentrification and socio-spatial dynamics

HOUSING POLICIES BEYOND NUMBERS: A COMPARATIVE STUDY IN PORTUGAL AND ITALY 2088
Di Giovanni Caterina Francesca, Antunes Gonçalo

HIGH-DENSITY LIVING IN HONG KONG FROM THE PERSPECTIVE OF TEENAGERS 2107
Hao Pu

REACH HOMES - A CRITICAL EXTENSION OF DWELLING 2117
Holden Samuel

IDENTIFYING THE IMPACTS OF UNION STATIONS ON HOUSING PRICE IN KAOHSIUNG CITY, TAIWAN 2128
HSU Cheng-Kai, Chen Yen-Jong

THE POSSIBILITIES AND LIMITATIONS OF THE STATE AND LOCAL AUTHORITIES' ACTIVITIES IN RESISTING FINANCIALISATION OF THE HOUSING SECTORS IN CENTRAL AND EASTERN EUROPEAN COUNTRIES 2136
Lis Piotr

SUBURBS AND SUBSIDIZED HOUSING IN THE UNITED STATES: WHAT MAKES SOME SUBURBS MORE RECEPTIVE TO LOW-INCOME HOUSING TAX CREDIT HOUSING THAN OTHERS? 2144
McClure Kirk, Schwartz Alex

GENTRIFICATION AND COMMUNITY-LED DESIGN: RENEGOTIATION AND LIMITATION OF THE RENT GAP IN THE UK 2168
Morton Tom

ICD-AN ALTERNATIVE AFFORDABLE HOUSING INITIATIVE 2180
Nautiyal Nidhi

HOUSES BEYOND-THE-THRESHOLD. A NEW PARADIGM OF HOUSING FOR THE THIRD MILLENNIUM 2196
Pezzoni Nausicaa

HOUSING DEFICIT AND HOUSING OPPORTUNITIES: IMPLEMENTING COLLECTIVE OWNERSHIP IN THE CENTRE OF SÃO PAULO, BRAZIL. THE CASE OF FICA FUND 2209
Pioletti Maurizio, Cymbalista Renato

CHICANA NEIGHBORHOOD ACTIVISM: GENDER, RACE, AND URBAN PLANNING 2219
Sandoval Gerardo, Sosa-Riddell Citlali, Sosa-Riddell Ada

MASS HOUSING, RELOCATION, AND MOTHERS' AND CHILDREN'S RESIDENTIAL SATISFACTION: EVIDENCE FROM ANKARA 2236
Severcan Yucel Can

"RETHINKING PARTNERSHIPS FOR AFFORDABLE HOUSING: PLANNING POLICY DESIGN NEXUS" 2253
Tsenkova Sasha

DISPOSSESSION OF THE POOR THROUGH AN URBAN RENEWAL PROJECT IN NARLIDERE IZMIR, TURKEY 2264
Uysal Ayça, Arslan Avar Adile

Table of Contents

THE POTENTIAL OF ALTERNATIVE HOUSING INITIATIVES TO 'TRANSFORM' THE HOUSING SECTOR: EXAMPLES FROM NEW YORK CITY AND BERLIN 2280
Yonder Ayse Nilufer, Brunzema Meta

THE SPATIAL CHARACTERISTICS AND SUPPLY OF URBAN AFFORDABLE HOUSING - AN INTERNATIONAL COMPARATIVE STUDY 2288
Zhang Xiuning, Yang Fan

PA13 Healthy City Planning: Food, Physical Activity and Social Justice

EMERGING PLACES OF SOCIAL INNOVATION (POSI). THE CO-PRODUCTION OF SPACE BETWEEN MULTILEVEL STAKEHOLDERS: THE CASE OF PRODUCTIVE URBAN GREEN INFRASTRUCTURE 2303
Ardill Nicholas, Lemes de Oliveira Fabiano

HEALTHY NEIGHBORHOODS ALONG AN URBAN TO RURAL GRADIENT 2320
Carver Rial

THE IMPORTANCE OF BUILT ENVIRONMENT: CHARACTERISTICS OF THE BUILT ENVIRONMENT AND SPATIAL PATTERNING OF TYPE 2 DIABETES IN PUDONG DISTRICT, SHANGHAI 2334
Chen Sijia, Yu Yifan

DOES THE CONNECTIVITY OF URBAN PUBLIC GREEN SPACE PROMOTE USE? AN EMPIRICAL STUDY OF WUHAN INNER CITY 2346
Dong Yuping, Liu Helin, Zheng Tianming

STUDY OF THE INTERRELATIONSHIP BETWEEN URBAN MICRO PUBLIC SPACE MORPHOLOGY AND MICROCLIMATE 2361
Han Shanshan, Song Dexuan

A RESEARCH FRAMEWORK OF URBAN SPATIAL PLANNING REGULATION BASED ON CARDIOVASCULAR HEALTH IN THE CONTEXT OF SEVERE COLD CLIMATE 2373
Li Shuyuan, Leng Hong

THE CONSTRUCTION OF PEDESTRIAN NETWORK IN URBAN BLOCKS: A CASE STUDY 2383
Li Wenzhu, Sun Tongyu

"THE REPOSITIONING AND URBANISATION OF HEALTH: NEW HEALTHY PLACES ALONG HOSPITAL-CITY-CONTINUUM AND ITS IMPLICATIONS FOR HEALTHY CITY PLANNING" 2395
Maierhofer Magdalena

PHYSICAL ACTIVITY IN FAMILIES DAILY-LIFE OF SUBURBAN AREAS – THE CASE OF RIO DE MOURO, LISBON METROPOLITAN AREA 2406
Marques da Costa Eduarda, Franco Pedro, Marques da Costa Nuno

HEALTHY CITY OF TOMORROW 2416
Nucci Lucia

SHAPING CITIES FOR HEALTH TO CONTRAST THE EFFECTS OF CLIMATE CHANGE: THE CCHURE PROPOSAL 2423
D'Onofrio Rosalba , Odoguardi Ilaria, Trusiani Elio

SUPPLY-DEMAND ANALYSIS OF PARK SERVICES FOR DIFFERENT AGE GROUPS IN COMMUNITY LIFE CIRCLE: A CENTRAL DISTRICT IN SHANGHAI AS A CASE 2434
Qiu Ming, Wang Min

WELL-BEING, SOCIAL INTERACTION AND PHYSICAL ACTIVITY: ENCOURAGING HEALTHY BEHAVIOURS THROUGH QUALITY URBAN DESIGN 2443
Sepe Marichela

URBAN FARMING IN A RAPID URBAN TRANSFORMATION: COMMUNITY INITIATIVES AND POLICY CHALLENGES IN BANDUNG AND YOGYAKARTA 2451
Setiawan Bakti, Tuntung Pandangwati Sri

USING SPATIAL AGGREGATION METHOD OUTCOME TO EXPLAIN THE INFLUENCES OF BUILT ENVIRONMENT ON HEALTH PROFILE 2466
Shen Yuanyi, Zhong Mengqi, Zhang Qinglai, Bu Jiatian, Yu Yifan

Table of Contents

THE SPACE-TIME RELATIONS BETWEEN PEDESTRIANS AND STREET VENDORS: A CASE STUDY IN SUIHUA, CHINA 2473
Sun Ziwen

WALKABILITY IN FLANDERS (BELGIUM): DEVELOPING A TOOL TO SUPPORT HEALTHY SPATIAL PLANNING. 2486
Vervoort Peter, D'Haese Sara, Verdeyen An, Van Acker Ragnar

RESEARCH OF AN INDICATORS SYSTEM FOR THE COMPACT URBAN FORM BASED ON THE HEALTHY CITY CRITERIA 2497
Wang Yimin, Fu Bin, Zhang Haoyan, Yang Shaoliang, Hu Ying, Lin Zhongjie

WALKING IN SHANGHAI: STREET PLANNING AND DESIGN BASED ON WALKABILITY 2505
Xu Xinxin, Zhao Xiyao

THE INFLUENCE OF COGNIZED NEIGHBORHOOD ENVIRONMENT ON CHILDREN'S HEALTH AND OUTDOOR ACTIVITIES: A CASE STUDY OF SHANGHAI 2513
Zhai Baoxin, Zhu Wei

THE SIGNIFICANCE OF URBAN HISTORICAL PARKS TO PHYSICAL ACTIVITY AND PUBLIC HEALTH: A CASE STUDY IN BEIJING, CHINA 2522
Zhang Sihan, Liu Xiaoming

EXPLORING ASSOCIATIONS BETWEEN STREET NETWORKS AND CYCLING FROM THE PERSPECTIVE OF SPACE SYNTAX: AN EMPIRICAL RESEARCH OF YANGPU DISTRICT OF SHANGHAI 2535
Wang Lan, Zhou Kaichen

URBAN RIVER REGENERATION AS A TOOL FOR HEALTHY CITY PLANNING: THE CASE OF SHENZHEN FUTIAN RIVER 2546
Zordan Mirna, Villani Caterina, Zou Junyu, Talamini Gianni

TEMPORARILY PEDESTRIANISED STREET IN HONG KONG: GOVERNMENTAL STRATEGY OF IMPLEMENTATION AND TACTICS OF APPROPRIATION 2559
Villani Caterina, Cheng Yu Hin, Zordan Mirna, Talamini Gianni

PA14 Planning for accessibility and sustainable mobilities

COMPARING IMPLEMENTATION APPROACHES IN MOBILITY INNOVATIONS: THE ECCENTRIC PROJECT IN MADRID 2573
Aparicio Angel

SUSTAINABLE AND CONNECTED INFRASTRUCTURE NETWORKS AND URBAN REGIONS – TRANSITION TOWARDS INTEGRATED PLANNING OF URBAN NODES ON TEN-T CORRIDORS 2584
Arts Jos, Van der Linden Kevin, Van der Werf Sjaak

CARGO HITCHING AS A TOOL TO TRASFORM THE URBAN MOBILITY SYSTEM. INTEGRATING PASSENGERS AND GOODS TRANSPORTATION TOWARDS A MORE SUSTAINABLE, DESIDERABLE AND EFFICIENT MOBILITY 2599
Bruzzone Francesco

AN ON DEMAND TRANSPORT IN A LOW DENSITY AREA OF PORTUGAL - ALENTEJO 2613
Carvalheira Carmen

CYCLING TO SCHOOL: EXPLORING KEY FACTORS INFLUENCING SCHOOL-GOING CHILDREN'S MOBILITY CHOICE TO CYCLE IN TALLINN, ESTONIA 2621
Kask Õnne, Tan Wendy

HOME PARKING AND COMMUTING: EXPLORING NEW WAYS OF ESTIMATING THE IMPACT OF PARKING ON MOBILITY CHOICES 2636
Khazaeian Omid, De Roiste Mairead, Daglish Toby, Saglam Yigit

ALTERNATIVE DISCOURSE AND NARRATIVES FOR INSTITUTIONAL CHANGE IN TRANSPORT PLANNING 2647
Muhammad Imran

CLASSIFYING GOVERNANCE INITIATIVES FOR AN EFFECTIVE INTEGRATION OF CAR SHARING WITH URBAN PLANNING AND TRANSPORT SYSTEMS 2661
Paganelli Luisiana

Table of Contents

THE RELOCATION OF A CIRCUS SCHOOL FROM THE PERSPECTIVE OF MOBILITY OF ITS PARTICIPANTS 2671
Pennincx Inge, De Mulder Sophie

USING SNAMUTS TO PLAN FOR CHANGE: THE PLACE FOR ACCESSIBILITY MODELLING IN STRATEGIC PLANNING FOR URBAN TRANSITIONS 2687
Perkovic Jana, Stone John

NEIGBOURHOOD WALKING AS TRANSPORT, OUTDOOR RECREATION AND PUBLIC HEALTH 2707
Skjeggedal Terje, Vistad Odd Inge, Thorén Kine Halvorsen

STEERING DISRUPTION: A BACKCASTING APPROACH TO GOVERN THE SPATIAL IMPACTS OF THE DIFFUSION OF AUTOMATED VEHICLES IN TURIN 2722
Staricco Luca, Rappazzo Valentina, Scudellari Jacopo, Vitale Brovarone Elisabetta

BEYOND THE PLAN: METHODS OF TRIGGERING LONG-TERM CHANGE IN URBAN AND REGIONAL MOBILITY 2732
Förster Agnes , Strobel Eva

ANALYSING THE RELATION BETWEEN TERRITORIAL FRAGILITIES AND ACCESSIBILITY: A FOCUS ON INDIVIDUAL DIMENSION AND NEEDS 2748
Vendemmia Bruna

ENHANCING URBAN-RURAL CONNECTIVITY IN NON-METROPOLITAN REGIONS: A METHODOLOGY IN SUPPORT TO DECISION-MAKING 2756
Vitale Brovarone Elisabetta, Cotella Giancarlo, Staricco Luca

'STICKY FLOWS' AND 'PRODUCTIVE FRICTIONS': UNTANGLING THE MECHANISMS OF STREET URBANISM 2769
Webb Jamme Hue-Tam

PARKING PATTERN AND INFLUENCING FACTORS OF DOCKLESS PUBLIC BICYCLE: CASE STUDY FROM NANSHAN SHENZHEN 2796
Xie Zhaoyang, Liu Kun, Zhou Qingfeng

"IMAGINING THE FUTURE OF MY NEIGHBORHOOD": RESIDENTS' PERCEPTIONS OF SUSTAINABLE MOBILITY AND REGENERATION AROUND METRO STATIONS IN THE CITY OF THESSALONIKI 2811
Papagiannakis Apostolos, Yiannakou Athena, Zachariadou Panagiota

HOW COULD THE INTEGRATION OF LAND USE AND TRANSPORT IN PLANNING PRACTICE CONTRIBUTE ACHIEVING SUSTAINABLE URBAN FORM? – BY A CASE STUDY ANALYSIS OF KINGS' CROSS AND OLYMPIC LEGACY IN LONDON 2822
Yue Yufeng, Shi Haochen

BICYCLE–METRO INTEGRATION FOR THE 'LAST MILE' IN SHANGHAI 2846
Zhang Ze, Cai Tong

PA15 Planning, Law and Property Right: in the face of transitions

RIGHT TO THE CITY, HUMAN RIGHTS, AND CANADIAN CITIES 2853
Agrawal Sandeep

"TRANSPOSITION OF ADVOCACY EXPERIENCE AS TRIPLE-LOOP SOCIAL LEARNING IN ALBANIA: FIGHTING HPPS IN PROTECTED AREAS FROM THE VJOSA RIVER BASIN TO THE CANYONS OF OSUMI" 2857
Bekteshi Arba, Misho Erinda

MONITORING AND ENFORCEMENT OF SHORT-TERM RENTALS RULES. MISSION IMPOSSIBLE? 2868
Calor Inês, Magarotto Mateus

COMMON VALUE: TRANSFERRING DEVELOPMENT RIGHTS IN THE FACE OF CLIMATE CHANGE CHALLENGES 2878
Dyca Besmira

URBAN-LEGAL PARADIGMS SUPPORTING POST-MILLENNIAL EVICTION: THE ROLE OF THE COURTS IN DISPLACEMENT PRACTICES 2895
Jahn Verri Fernanda

Table of Contents

RESEARCH ON THE IMPLEMENTATION MECHANISM OF PRIVATELY OWNED PUBLIC SPACE - PLANNING IMPLEMENTATION OF THE PUBLICLY TRANSFERRED LAND IN FUZHOU CITY 2008-2017 2909
Jiang Hong

LEGITIMACY CRISIS OF THE VILLAGE PLANNING IN CHINA AND ITS RESOLUTION 2916
LI Yanqun, Geng Hong

LAND USE PLANNING, TOURISM INTENSIFICATION AND REGULATION OF SHORT TERM COMMERCIAL VISITOR ACCOMMODATION: THE CASE OF EDINBURGH 2932
McCarthy John

EVALUATION OF THE LAND VALUE CAPTURE (LVC) EXPERIENCE IN THE CITY OF SÃO PAULO, BRAZIL 2940
Nobre Eduardo

UNINTENDED OUTCOMES OF THE MARKETIZED HOUSING AGENDA IN SWEDEN: THE TROLLS THAT NEVER WERE INVITED WHO WE NOW HAVE TO DEAL WITH 2948
Norén Bretzer Ylva

NEOLIBERAL GOVERNANCE AND ACCUMULATION BY DISPOSSESSION IN KARABURUN PENINSULA, IZMIR, TURKEY 2964
Özcan Cive Yagmur, Arslan Avar Adile

MASTERS IN TRANSITION? 2977
Rezac VIT

IMPLEMENTATION PROBLEMS OF SOCIAL AND TECHNICAL INFRASTRUCTURE IN TURKISH SETTLEMENTS 2985
Subasi Gulden, Sence Turk Sevkiye

PA16 Tourism, public spaces and urban cultures

INTERRELATION BETWEEN INCLUSIVITY OF PUBLIC SPACES AND SOCIAL COHESION: METAMORPHOSIS OF A HISTORICAL PARK IN ANKARA, TURKEY 2998
Akkar Ercan Müge, Oya Memlük Nihan

WHERE THE STREETS HAVE NAMES 3005
Barbieri Lorenzo

TRANSITIONAL APPROACH FOR ENHANCING PLACE-BASED AND COLLABORATIVE POLICIES, TOWARDS AN EVOLUTIONARY DIMENSION OF COHESION POLICY 3016
Bevilacqua Carmelina, Cappellano Francesco, Ou Yapeng

SPATIAL DISTRIBUTION CHARACTERISTICS OF CULTURAL TOURISM IN HISTORICAL REGIONS: A CASE OF SHAOXING ANCIENT CITY BASED ON POI DATA 3029
Cai Tong

“WHAT ELSE?”: COMMUNITY PERSPECTIVES ON TOURISM-LED URBANIZATION IN SPITI, INDIA 3038
Chakravarty Surajit

HOW WELL CAN PRIVATELY OWNED PUBLIC SPACES (POPS) FACILITATE SOCIAL INTERACTIONS IN TAIPEI CITY? A CASE STUDY OF THE COMMUNITY RESIDENTS’ DAILY LIFE 3061
Cheng Wen-Chi, Chao Tzu-Yuan

ANALYSIS AND RESEARCH OF URBAN STREET FUNCTIONS BASED ON GIS: A CASE STUDY OF XUHUI DISTRICT, SHANGHAI, CHINA 3075
Dai Luning

BY NO PLACE TO PUBLIC SPACE: A NEW RESOURCE FOR CAPUA 3084
De Biase Claudia, D’Agostino Irene

THE IMPACTS OF SHARING PLATFORMS FOR TOURISM ON SPACES AND COMMUNITIES: THE POSSIBLE ROLE OF PLACEBASED REGENERATION PROCESSES 3103
Daldanise Gaia, Esposito De Vita Gabriella

READING THE CITY THROUGH THE LENS OF URBAN STANDARDS. THE CASE OF PONTICELLI, EAST NAPLES 3120
Franzese Alessia

Table of Contents

ANTIFRAGILE PRACTICES TO DESIGN SOCIAL DIALOGUE IN CONTEMPORARY EUROPEAN PUBLIC SPACES 3131
Galimberti Beatrice

RESEARCH ON MULTI-LEVEL PUBLIC SPACE SYSTEM PLANNING STRATEGY IN HISTORICAL AND CULTURAL BLOCK BASED ON THE CONCEPT OF “COLLAGE CITY” - TAKING BEIJING MOSHIKOU HISTORICAL AND CULTURAL BLOCK AS AN EXAMPLE 3146
Gao Yu, Wang Ziyao, Zhang Yunlu

URBAN PUBLIC SPACE DESIGN FROM THE PERSPECTIVE OF ENVIRONMENTAL BEHAVIOR - A CASE STUDY OF THE ROUND-CITY-PARK IN XI'AN 3157
Gu Taiwei

THE ROLE OF THE LOCAL IN IMPROVING COHESION AND SPATIAL JUSTICE 3164
Su Yuqian, Guo Yuchen, Wan Lu

MUSEUM OF LONDON - A CITY MUSEUM IN TRANSITION 3174
Hebbert Michael

SUITABLE RENEWAL AND SPACE ORGANIZATION METHODS OF HISTORIC TOWN IN THE TRANSITION PERIOD: A CASE STUDY IN CHINA 3192
Hou Wenjun, Ge Tianyang, Yang Jianqiang

THE STUDY ON SPATIAL INTERVENTIONS FOR AGING COMMUNITIES IN TOURISM-ORIENTED HISTORIC DISTRICTS FROM THE PERSPECTIVE OF SPATIAL TERRITORIALITY 3201
Hu Ying, Lin Zhongjie

SUSTAINABLE TOURISM AND PUBLIC SPACE - A CASE STUDY OF SKEPPSHOLMSVIKEN 6 IN STOCKHOLM, SWEDEN 3211
Jonsson Anna-Paula, Haas Tigran

SUPPRESSING URBAN CREATIVITY: DISPLACEMENT OF THE ART SPACES OUT OF THE MAINSTREAM CULTURAL SCENE OF ISTANBUL 3226
Kahya Guzin Yeliz

ALTERNATIVE URBANISM IN THE HISTORIC CITY CENTRE: A TRANSNATIONAL PERSPECTIVE ON THEORY AND PRACTICE 3237
Akl Ameera, Kamvasinou Krystallia

RESEARCH ON THE IMPROVEMENT OF URBAN PUBLIC SPACE VITALITY BASED ON THE CONCEPT OF SOCIAL RESOURCE SHARING--TAKING TIANLIN COMMUNITY IN SHANGHAI AS AN EXAMPLE 3249
Li Qianwen

RECENT DEVELOPMENTS IN CULTURAL PLANNING AS AN APPROACH TO BUILD CREATIVE CITIES 3261
Kattimani Raghavendra

RECORDING, EVALUATING AND MANAGEMENT OF TANGIBLE AND INTANGIBLE CULTURAL HERITAGE, THROUGH A DECISIONMAKING MULTI-CRITERIA ANALYSIS 3268
Linaki Eleni

THE RESEARCH ON FORMATION MECHANISM OF THE RURAL RED CULTURE TOURISM INDUSTRY CLUSTER AND APPLICATION --- REFLECTIONS FROM THE COMPARATIVE ANALYSIS OF THE “REVOLUTIONARY RESORT” XIBAIPO TOWN AND “GREEN DOT” DASHI TOWN 3274
Liu Shiqi

“A STUDY ON THE DEVELOPMENT TREND AND TRANSFORMATION OF SHANGHAI AS A CREATIVE CITY IN THE 21ST CENTURY” 3287
Ma Xiaojiao , Wang Weiqiang

UN HABITAT'S PARTICIPATORY INITIATIVE TO PUBLIC SPACE DESIGN INVOLVING RESIDENTS, REFUGEES AND LOCAL AUTHORITIES: THE CASE OF NABAA', BOURJ HAMMOUD, LEBANON 3299
Mady Christine

ALONG THE RIVER CORMOR, RE-LINKING LANDSCAPES AND PUBLIC FACILITIES IN THE REGION FRIULI VENEZIA GULIA 3312
Cigalotto Paola, Marchigiani Elena

WHO LIVES HERITAGE: INVESTIGATION ON THE IMPACT OF TOURISM FLOWS AND HERITAGE PROTECTION IN THE USE OF PUBLIC SPACE 3335
Amato Chiara, Mondelli Francesca Paola

Table of Contents

PUBLIC SPACE AS PROTEST SPACE: BETWEEN VISIBILITY AND INSECURITY 3346
Neumann Ute

URBAN REGENERATION AND (OVER) TOURISM IN CHINA: EXPLORING ALTERNATIVE TRACKS IN SUZHOU'S HISTORIC CENTRE 3362
Nolf Christian, Wang Yiwen, Liu Mengchuan

UNBALANCED DEVELOPMENT AND PERIPHERALISATION PROCESSES: A TESTING PHASE TO MAP STUDIES 3381
Oppido Stefania, Ragozino Stefania

THE BUILT ENVIRONMENT AND ACTIVE LIFE-STYLES IN OLDER ADULTS: AN ANALYSIS OF THE LOCATION OF CARE SERVICES IN PORTUGAL 3394
Santinha Gonçalo, Wolf Jan, Costa Catarina

NEGOTIATED PUBLIC: INVESTIGATING THE STREETSCAPE OF BEIJING'S OLD CITY 3400
Sun Wenwen

STUDY ON THE CHARACTERISTICS AND CHANGES OF STREET CULTURAL ATTRIBUTES IN MINGCHENG DISTRICT OF XI'AN 3408
Tian Bowen, Lei Yumen

EXPLORING PORT-CITY RELATIONSHIPS THROUGH EVENT-LED URBAN REGENERATION 3423
Tommarchi Enrico

SPACES FOR TOURISM, VENICE PLANNING TOPOGRAPHIES 3435
Velo Luca

THE IMPACT OF CULTURAL CREATIVE INDUSTRIES AND TOURISM DEVELOPMENT ON THE AUTHENTICITY OF HISTORIC DISTRICT FROM THE PERSPECTIVE OF SPATIAL PRODUCTION: A CASE STUDY OF TIANZIFANG, SHANGHAI 3444
Xu Hui

CHARACTERISTICS IN THE SPACE RESHAPING OF CREATIVE CLUSTER DURING GENTRIFICATION: THE CASE OF TIANZIFANG IN SHANGHAI 3452
Yang Yi

PRIVATIZATION, MARGINALIZATION AND REUSE OF WATERFRONT SPACE IN NEW TOWN - TAKING ZHANGJIANG SCIENCE CITY ZHONGSHI UNIT AS AN EXAMPLE 3461
Zhang Shuhan, Zhang Hanghua

"PRELIMINARY STUDY ON THE RENEWAL STRATEGY OF THE NEW ESTATE FOR WORKERS:FROM THE PERSPECTIVE OF PLACE-MAKING" 3481
Zhang Yuwei

PA 17 Urban and Regional economics of transition

WOMAN LABOR IN TRANSITION PROCESS FROM AGRICULTURE TO INDUSTRY SECTOR 3496
Çetin Reycan

IS THERE A HOUSING SHORTAGE? A POST-KEYNESIAN ECONOMICS APPROACH TO THE FINANCIALISATION OF HOUSING IN ENGLAND 3507
Grace Richard

THE ROLE OF TAIWAN'S INDUSTRIAL DIVERSITY IN REGIONAL EMPLOYMENT GROWTH - A COMPARATIVE STUDY ON DIGITAL ECONOMY INDUSTRY AND CULTURAL INNOVATION INDUSTRY 3523
Huang Chung-Chun, Lin Cheng-Yi

FINANCIAL OR SOCIETAL RETURNS? EXPLORING THE AMBIGUOUS ROLE OF INTERMUNICIPAL ENERGY COMPANY FLUVIUS IN THE ENERGY TRANSITION IN FLANDERS 3536
Juwet Griet, Deruytter Laura

EXAMINING THE REGIONAL SPATIAL SPILLOVER EFFECT OF HOUSING PRICE IN TAIWAN – AN APPLICATION OF HOUSING PANEL DATA 3553
Chen Yen-Jong , Tuan Pi-Wen, Liang Yung-Han

USING VALUE-ADDED HIERARCHY METHOD TO ANALYZE INDUSTRIAL SPATIAL PATTERN IN THE BACKGROUND OF ECONOMIC TRANSITION -- A CASE OF GUANZHONG PLAIN URBAN CLUSTER IN CHINA 3565
Wang Xueyan, Zhou Yeyuan

SP 18 Transition histories

PROGRESS IN THE NINETEENTH-CENTURY: PLANNING, BUILDING AND MANAGING THE MODERN URBAN INFRASTRUCTURES IN COIMBRA 3580
Calmeiro Margarida

BACK TO THE PAST? TRAM CITY, MOTOPIA AND LIGHT RAIL COMMERCIALISM IN CANBERRA 3590
Fischer Karl Friedhelm, Weirick James

ALBERTO SARTORIS: TRANSITIONS TO A POSSIBLE URBAN UTOPIA (1922-1989) 3602
Gavello Cinzia

TWENTIETH CENTURY TECHNOCRACY - A TRANSITION ABORTED 3613
Hebbert Michael

RE-POSITIONING AFTER THE FALL OF THE GERMAN WALL: WORLD TRADE CENTERS DEVELOPMENT IN CITIES OF THE FORMER GERMAN DEMOCRATIC REPUBLIC: ROSTOCK, DRESDEN AND FRANKFURT (ODER) 3627
Leconte Uta

THE TRANSITION URBAN PLANNING HISTORY OF LISBON METROPOLITAN AREA 3635
Marat-Mendes Teresa, Cunha Borges João

NAPLES IN TRANSITION: A MULTIDIMENSIONAL DECISIONMAKING PROCESS FOR THE NAPLES PORT AREA SUSTAINABLE DEVELOPMENT 3656
Cerreta Maria, Regalbuto Stefania

WHITE REVOLUTION: PLANNING SOFT TRANSITION TO STATE SOCIALISM 3669
Zaferani Azadeh

SP 19 Urban tourism, neighbourhood change and social conflicts

PLACING SLUMS IN THE GLOBALIZED TOURIST CITY: A PERFORMATIVITY AND ACTOR-NETWORK APPROACH 3683
Altamirano Eugenia

WHOSE HERITAGE? CHALLENGES COMING FROM TURNING CITIES AS TOURIST PLACES 3698
Calmeiro Margarida, Gonçalves Adelino

SP 22 Planning and designing green infrastructures

GREEN INFRASTRUCTURE: FROM BENEFITS TO PLANNING 3707
Alberico Simonetta, Vayr Paola

THE ANIENE RIVER: A GREEN INFRASTRUCTURE TO SET UP A METROPOLITAN STRATEGY 3720
D'Ascanio Romina, Palazzo Anna Laura

MILTON KEYNES: THE "FOREST CITY" 3728
Forget Malaury

WHEN CONSTRAINTS BECOME ASSETS IN THE DESIGN OF BLUEGREEN INFRASTRUCTURES: AN INSIGHT FROM TWO CASES IN THE WESTERN PART OF FRANCE (LOIRE RIVER BASIN) 3741
Fournier Marie, Bonnefond Mathieu

FARMING IN A CITY WITHOUT FARMLANDS. CADASTRAL MAPPING OF AGRICULTURE IN TURIN AND EARLY ASSESSMENT OF MULTIFUNCTIONALITY VIABILITY 3749
Greco Mirko

LANDSCAPE AND ECOLOGICAL NETWORKS IN URBAN PLANNING: TECHNICAL STANDARDS FOR IMPLEMENTATION 3771
La Riccia Luigi

Table of Contents

NATURE-BASED SOLUTIONS: NEW CHALLENGES FOR URBAN PLANNING 3785
Longato Davide, Geneletti Davide

ECOSYSTEM SERVICE EVALUATION FOR LANDSCAPE DESIGN: THE PROJECT OF A RURAL PERI-URBAN PARK AS A NODE OF THE LOCAL GREEN INFRASTRUCTURE 3793
Allocco Marco, Murgese Davide, Quaglio Giorgio, Salizzoni Emma

SP 23 Land development and management in post-socialist countries

ÚZEMNÍ PLÁNOVÁNÍ VS. GENERALBEBAUUNGSPLANUNG: A COMPARISON OF PLANNING CONCEPTS AND PRACTICES BETWEEN THE FORMER CZECHOSLOVAKIA AND THE GERMAN DEMOCRATIC REPUBLIC 3802
Arzmi Azmah

TOWARDS COMPREHENSIVE AND INTEGRATED LAND MANAGEMENT PRACTICES IN ALBANIA. HOW CAN THE NEW PARADIGMATIC SHIFT IN LAND USE PLANNING AND GROWTH MANAGEMENT FOSTER A POSITIVE IMPACT ON LOCAL FINANCES AND THE TAX BASE? THE CASE OF MUNICIPALITY OF TIRANA. 3818
Dhrami Kejt, Imami Fiona

APPLICATION AND VERIFICATION OF MUNICIPAL ADMINISTRATIVE AREAS SPATIAL ZONING MODEL IN NEW TOWN LOCATION SELECTION 3839
Zhao Yujing, Leng Hong, Yuan Qing, Sun Pingjun

SP 24 Home sharing. short-term rentals affecting local housing markets

BUILT COMMONS: RECLAIMING THE SHARING ECONOMY 3854
Petkova Ioana

SP 25 Dynamic change, uncertainty and planning for adaptivity

SPONTANEOUS LIVING SPACES – DWELLINGS AND SETTLEMENTS IN PEMBA (MOZAMBIQUE) A TYPO-MORPHOLOGICAL ANALYSIS IN CHANGING URBAN ENVIRONMENTS 3865
Del Bianco Corinna

SP 26 Space, citizenship and identity: the eu-mena region

THE JERICHO GATE PROJECT: PLANNING CHALLENGES AND POLITICAL STRUGGLES AROUND A MEGAPROJECT IN THE OLDEST CITY IN THE WORLD 3883
Isayed Mohammed

SP 27 The role of the local in improving cohesion and spatial justice

THE PLA DE BARRIS: A REMARKABLE CASE OF PLACE-SENSITIVE TERRITORIAL POLICY 3898
Peverini Marco

THEMATIC VILLAGES AS THE EXAMPLE OF NEO-ENDOGENOUS LOCAL DEVELOPMENT IN RURAL AREAS 3908
Tobiasz-Lis Paulina

SP 28 Friendly spaces and mobility for ageing

ELDERLY PEDESTRIANS, AGED >65 YEARS, DURING WINTERTIME - ATTITUDES TOWARDS WALKING OUTDOORS, SAFETY EQUIPMENT AND EXPERIENCES OF FALLS. A COMPARISON WITH HEALTHY ADULTS. 3921
Berggård Glenn

Table of Contents

OLD AGE-RELATED STEREOTYPES, INCLUSION AND THE DEVELOPMENT OF 'AGE APPROPRIATE' NEIGHBOURHOODS 3925
Fabian Carlo

FRIENDLY AND ACCESSIBLE PUBLIC SPACES: THE VENETIAN CASE 3934
Revellini Rosaria, Tatano Valeria, Condotta Massimiliano

MOBI-AGE: PROMOTING URBAN MOBILITY IN AGEING POPULATIONS 3946
Ribeiro Anabela, Bastos Ana, Brandão Alves Fernando, Cruz Sara, Cunha Inês, Martins João Pedro

IS ACTIVE AGEING A REALITY FOR LOCAL POLICIES? A DISCUSSION BASED ON THE PORTUGUESE CONTEXT 3955
Fernandes Alexandre, Santinha Gonçalo, Diogo Sara, Forte Teresa

SP 29 Emerging spatialities and eu policy instruments: cases and perspectives

EU URBAN STRATEGIES 2014-2020: EXPLORING THE FUNCTIONAL AREA APPROACH 3966
Fioretti Carlotta, Pertoldi Martina

HOW TO CONNECT FREIGHT LOGISTICS, PERSONS MOBILITY, AND SPATIAL PLANNING IN AND BETWEEN URBAN REGIONS? PERSPECTIVES FROM DIFFERENT EUROPEAN URBAN NODES ON TEN-T CORRIDORS 3980
Linssen Raymond, De Bruijn Martijn, Poppeliers Ricardo, Arts Jos

THE PLA DE BARRIS: A REMARKABLE CASE OF PLACE-SENSITIVE TERRITORIAL POLICY 3992
Peverini Marco

SP 30 Facing migrants exclusionary urban policies

LANDING: HOW PRACTICES OF TEMPORARY HOSPITALITY CHALLENGE URBAN SPACES AND POLICIES 4003
Bovo Martina

URBAN INCLUSION OF REFUGEES AND VULNERABLE MIGRANTS IN PORTUGAL 4014
Leiria Viegas Sílvia

SP 31 Learning loops in the public realm. Enabling social learning in communities to tackle the challenges of cities in transition

TRANSPOSITION OF ADVOCACY EXPERIENCE AS TRIPLE-LOOP SOCIAL LEARNING IN ALBANIA: FIGHTING HPPS IN PROTECTED AREAS FROM THE VJOSA RIVER BASIN TO THE CANYONS OF OSUMI 4024
Bekteshi Arba, Misho Erinda

A PARTICIPATORY APPROACH TO SOCIETAL COST BENEFIT ANALYSIS (SCBA) AS A WAY TO START THE DEBATE ON TRANSFORMING RESIDENTIAL SUBDIVISIONS 4035
Custers Lieve, Devisch Oswald, Huybrechts Liesbeth

EVIDENCE-BASED URBAN DEVELOPMENTAL: BEYOND THE URBAN ANECDOTES. THE NEED OF GOING BEYOND ANECDOTAL KNOWLEDGE IN URBAN PLANNING 4044
Forsemalm Joakim, Johansson Magnus

CO-CREATION A WAY OF SUPPORTING DEVELOPMENT OF NEIGHBOURHOODLEVEL TRANSPORT INNOVATIONS 4058
Haufe Nadine, Großmann Astrid

LEARNING THROUGH CO-CREATION: HOW TO SOLVE URBAN PROBLEMS WITH CITIZENS 4068
Keseru Imre, Pappers Jesse, Evans James, Astbury Janice, Condotta Massimiliano, Ravetz Joe, Scanagatta Chiara, Macharis Cathy

PARTICIPATORY SENSING WITHIN CO-CREATION: IMPROVING THE TRANSFORMATION OF THE URBAN ENVIRONMENT. THE VERONA CASE INSIDE THE LOOPER PROJECT 4083
Condotta Massimiliano, Scanagatta Chiara, Borga Giovanni, Ruggeri Paolo, De Maria Michela, Peron Fabio

SP 32 Planning and biodiversity

SOIL ECOSYSTEM SERVICES ASSESSMENT TO SUPPORT LAND USE PLANNING - APPLICATIONS IN ITALY AND A REFLECTION FOR THE FUTURE 4102
Assennato Francesca, Strollo Andrea, D'Antona Marco, De Fioravante Paolo, Cavalli Alice, Munafò Michele

SPATIAL PLANNING IN VIEW OF NEW CHALLENGES: LAND TAKE AND SOME EVIDENCE FROM GREECE 4115
Thoidou Elisavet, Foutakis Dimitris

SP 34 Spatial tensions: urban microgeographies for changing cities

MOTIONLESS MOVEMENT - THE BRAZILIAN URBAN CRISIS FROM THE CREATION OF THE MINISTRY OF CITIES TO THE GREAT PROTESTS OF 2013 4127
Andrés Roberto

FEAR AND SEGREGATION: ANXIETY BEYOND THE GATED COMMUNITIES. THE COSTA RICAN CASE. 4139
Barrantes Chaves Karla

LOFTS DISTRICTS IN MILAN. OVERLAPPING TENSIONS BETWEEN USES AND REGULATIONS. INSTRUMENTS FOR URBAN AND ARCHITECTURAL DESIGN 4147
D'Armento Stefano

DESIGN EXPERIMENTATION IN A CONTEXT OF CULTURAL DIVISION: THE CASE OF AHMEDABAD 4159
Gualdrini Giovanni

RESISTING GENTRIFICATION. SOCIO-SPATIAL DYNAMICS OF THREE WORK PLACES IN BRUSSELS 4172
Lenna Verena, Martin Sanchez Luis Antonio

URBAN CRISIS STORYTELLING: IDIOMS AND FORMS OF CITY'S EQUILIBRIUM INTEGRATING THE UNCERTAINTY 4185
Pietropaoli Martina

SP 36 Acsp-aesop special session: learning from arnstein's ladder: from citizen participation to public engagement

ENGAGING NON-CITIZENS IN AN AGE OF UNCERTAINTY: LESSONS FROM IMMIGRANT-SERVING NONPROFITS IN LOS ANGELES COUNTY 4196
Lee C. Aujean

CITIZEN PARTICIPATION IN TRANSITIONAL SOCIETY: AN EVOLUTION OF PARTICIPATORY PLANNING IN SERBIA 4218
Peric Ana

SP 37 Smart cities and regions informing the energy transition

THE NOTION OF SOCIOTECHNICAL SYSTEM IN THE PLANNING PROCESS OF A SMART REGION 4234
Balest Jessica, Garegnani Giulia, Pisani Elena, Secco Laura, Vettorato Daniele

SPATIAL-BASED SCENARIO ANALYSIS FOR THE SMART ENERGY TRANSITION 4242
D'Alonzo Valentina, Vettorato Daniele, Zambelli Pietro

THE ENERGY JUSTICE TOOL SUITE: AN INTERDISCIPLINARY AND COMPREHENSIVE METHOD FOR ENERGY TRANSITION TERRITORIALIZATION 4250
Henriot Carine, Artis Amélie, Molines Nathalie, Seigneuret Natacha, Antaluca Eduard, Lamarque Fabien, Martin Ewa

Table of Contents

SMART ENERGY TRANSITION: EVALUATION OF CITIES IN SOUTH KOREA 4261
Lim Yirang, Edelenbos Jurian, Gianoli Alberto

REVIEW OF DISTRICT HEATING SYSTEMS IN ITALY FOR FUTURE ENHANCEMENT 4278
Teso Lorenzo, Dalla Mora Tiziano, Romagnoni Piercarlo, Gasparella Andrea

SP 38 Maritime spatial planning (msp) in europe: challenges in transition

CONCEPTUAL APPROACHES OF MARITIME SPATIAL PLANNING. PRINCIPLES AND PLANNING PARAMETERS 4295
Rampavila Mary, Avgerinou – Kolonias Sophia

MANAGEMENT PLANS OF NATURA 2000 SITES AND COASTAL LAND USE PLANS: A STUDY CONCERNING AN INTEGRATED APPROACH TO MANAGEMENT OF COASTAL ZONES IN THE SULCIS AREA (SARDINIA, ITALY) 4305
Leone Federica, Zoppi Corrado

SP 39 Shrinking cities and sustainability

DIALECTICAL UNDERSTANDING ON URBAN SHRINKAGE AND GROWTH IN CHINA: TAKING THE OLD INDUSTRIAL BASE CITIES IN NORTHEASTERN CHINA AS AN EXAMPLE 4316
Hu Qimin, Yang Fan

A STUDY ON CHINA'S COUNTY SPORTS CENTER PLANNING STRATEGY FROM SMART SHRINKAGE PERSPECTIVE 4329
liang Bin, Wang Yang

DEINDUSTRIALIZATION AND URBAN SHRINKAGE. ACHIEVING URBAN SUSTAINABILITY IN FORMER INDUSTRIAL CITIES IN FRANCE: THE CASE STUDIES OF NANTES AND SAINT-OUEN 4338
Toura Varvara

DISCUSSION ON THE FACTORS OF SUSTAINABLE URBAN GROWTH IN SHRINKING REGION: CASE STUDY OF EUCALYPTUS HILLS IN THE CITY OF SAKURA DEVELOPED BY THE PRIVATE DEVELOPER YAMAMAN 4357
Uemura Tetsuji

TIME SERIES OF URBAN SHRINKAGE ELEMENTS IN COALEXHAUSTED CITIES: A CASE STUDY OF TWO TYPICAL CITIES IN NORTHEAST CHINA 4380
Zhang Jie, Zhao Zhiqing, Li Peilun

SP 40 Regional design: impacts on territorial governance and planning practice

FUELLING ENERGY-TRANSITION WITH REGIONAL DESIGN-ATELIERS 4393
Kempenaar Annet, Pleijte Marcel, Van Buuren Michael

LAND TAKE AND REGIONAL PLANNING: PROMOTING SUSTAINABLE SETTLEMENT DEVELOPMENT IN URBAN REGIONS 4400
Wahrhusen Nina

REGIONAL STRATEGY DESIGN – ADDRESSING TRANSFORMATIONS IN MULTIPLE WAYS 4410
Wirth Timo Matti

SP 41 The darker sides of smart city development

DIGITAL PARTICIPATORY PLANNING TOOLS HELPFUL SIDE AND SIDE EFFECTS 4430
Shahin Anas

Well-being, social interaction and physical activity: encouraging healthy behaviours through quality urban design

Marichela Sepe

IRISS CNR - DiARC Università Federico II di Napoli, marisepe@unina.it

Abstract: In recent years, the healthy city topic has become more and more present in both research studies and urban actions. According with many principles declared in the Quito New Urban Agenda, the centrality of this topic is due to many important factors, including the climate change; the lengthening of human lifespan; the necessity of a wider accessibility in social, physical and environmental sense. Although the recognition of the importance of liveable spaces for keeping people in good health and improve social interaction, it is difficult to demonstrate that good urban design is capable to reduce hearth and other kinds of diseases. However, the increasing in the number of people who spend time, walk and cycle on the streets can be shown easily and this is a first measure to demonstrate the success of the environment from the healthy point of view.

Starting from these premises, this work will illustrate the principal definition of healthy city mainly related to public spaces and propose the Charter of urban health, liveability and happiness with 25 principles. The principles – following an holistic approach - should be considered as dynamic, in keeping with the increasingly rapid rates of change in a place and are both a check-list and guide lines for sustainable spaces.

Keywords: healthy city; well-being; urban design; public space

Introduction

In recent years, the healthy city topic has become more and more present in both research studies and urban actions (Burns, 2005; Florida et Al., 2013; Friedmann, 2010; Gehl, 2010; Montgomery, 1998-2013; Sepe, 2017). According with many principles declared in the Quito New Urban Agenda (NUA), the centrality of this topic is due to many important factors: the climate change; the lengthening of human lifespan; the necessity of a wider accessibility in social, physical and environmental sense.

The Agenda, adopted during the Habitat III Conference in 2016, represents “a shared vision for a better and more sustainable future”.

Many principles that are contained in the NUA concerns topics related to public spaces, liveability, healthy, networks, and many arguments, which are illustrated in this study.

In the following, a selection of these principles are reported, in order to clarify the general framework in which the paper is presented.

13. We envisage cities and human settlements that:

(b) Are participatory, promote civic engagement, engender a sense of belonging and ownership among all their inhabitants, prioritize safe, inclusive, accessible, green and quality public spaces that are friendly for families, enhance social and intergenerational interactions, cultural expressions and political participation, as appropriate, and foster social cohesion, inclusion and safety in peaceful and pluralistic societies, where the needs of all inhabitants are met, recognizing the specific needs of those in vulnerable situations.

36. We commit ourselves to promoting appropriate measures in cities and human settlements that facilitate access for persons with disabilities, on an equal basis with others, to the physical environment of cities, in particular to public spaces, public transport, housing, education and health facilities, public information and communication (including information and communications technologies and systems) and other facilities and services open or provided to the public, in both urban and rural areas.

37. We commit ourselves to promoting safe, inclusive, accessible, green and quality public spaces, including streets, sidewalks and cycling lanes, squares, waterfront areas, gardens and parks, that are multifunctional areas for social interaction and inclusion, human health and well-being, economic exchange and cultural expression and dialogue among a wide diversity of people and cultures, and that are designed and managed to ensure human development and build peaceful, inclusive and participatory societies, as well as to promote living together, connectivity and social inclusion.

50. We commit ourselves to encouraging urban-rural interactions and connectivity by strengthening

sustainable transport and mobility, and technology and communications networks and infrastructure, underpinned by planning instruments based on an integrated urban and territorial approach, in order to maximize the potential of these sectors for enhanced productivity, social, economic and territorial cohesion, as well as safety and environmental sustainability. This should include connectivity between cities and their surroundings, peri-urban and rural areas, as well as greater land-sea connections, where appropriate.

53. We commit ourselves to promoting safe, inclusive, accessible, green and quality public spaces as drivers of social and economic development, in order to sustainably leverage their potential to generate increased social and economic value, including property value, and to facilitate business and public and private investments and livelihood opportunities for all.

67. We commit ourselves to promoting the creation and maintenance of well-connected and well distributed networks of open, multipurpose, safe, inclusive, accessible, green and quality public spaces, to improving the resilience of cities to disasters and climate change, including floods, drought risks and heat waves, to improving food security and nutrition, physical and mental health,

and household and ambient air quality, to reducing noise and promoting attractive and liveable cities, human settlements and urban landscapes and to prioritizing the conservation of endemic species.

97. We will promote planned urban extensions and infill, prioritizing renewal, regeneration and retrofitting of urban areas, as appropriate, including the upgrading of slums and informal settlements, providing high-quality buildings and public spaces, promoting integrated and participatory approaches involving all relevant stakeholders and inhabitants and avoiding spatial and socioeconomic segregation and gentrification, while preserving cultural heritage and preventing and containing urban sprawl.

99. We will support the implementation of urban planning strategies, as appropriate, that facilitate a

social mix through the provision of affordable housing options with access to quality basic services and public spaces for all, enhancing safety and security and favouring social and intergenerational interaction and the appreciation of diversity. We will take steps to include appropriate training and support for service delivery professionals and communities in areas affected by urban violence.

100. We will support the provision of well-designed networks of safe, accessible, green and quality streets and other public spaces that are accessible to all and free from crime and violence, including sexual harassment and gender-based violence, considering the human scale, and measures that allow for the best possible commercial use of street-level floors, fostering both formal and informal local markets and commerce, as well as not-for-profit community initiatives, bringing people into public spaces and promoting walkability and cycling with the goal of improving health and wellbeing.

109. We will consider increased allocations of financial and human resources, as appropriate, for the upgrading and, to the extent possible, prevention of slums and informal settlements, with strategies that go beyond physical and environmental improvements to ensure that slums and informal settlements are integrated into the social, economic, cultural and political dimensions of cities. These strategies should include, as applicable, access to sustainable, adequate, safe and affordable housing, basic and social services, and safe, inclusive, accessible, green and quality public spaces, and they should promote security of tenure and its regularization, as well as measures for conflict prevention and mediation.

114 (d) Urban freight planning and logistics concepts that enable efficient access to products and services, minimizing their impact on the environment and on the liveability of the city and maximizing their contribution to sustained, inclusive and sustainable economic growth.

118. We will encourage national, subnational and local governments to develop and expand financing instruments, enabling them to improve their transport and mobility infrastructure and systems, such as mass rapid-transit systems, integrated transport systems, air and rail systems, and safe, sufficient and adequate pedestrian and cycling infrastructure and technology-based innovations in transport and transit systems to reduce congestion and pollution while improving efficiency, connectivity, accessibility, health and quality of life.

149. We will support local government associations as promoters and providers of capacity development, recognizing and strengthening, as appropriate, both their involvement in national consultations on urban policies and development priorities and their cooperation with subnational and local governments, along with civil society, the private sector, professionals, academia and research institutions, and their existing networks, to deliver on capacity-development programmes.

This should be done by means of peer-to-peer learning, subject-matter-related partnerships and collaborative actions, such as inter-municipal cooperation, on a global, regional, national, subnational and local scale, including the establishment of practitioners' networks and science policy interface practices (http://habitat3.org/the-new-urban-agenda/).

Although the recognition of the importance of liveable spaces for keeping people in good health and improve social interaction, it is difficult to demonstrate that good urban design is capable to reduce hearth and other kinds of diseases. However, the increasing in the number of people who spend time, walk and cycle on the streets can be shown easily and this is a first measure to demonstrate the success of the environment from the healthy point of view.

Starting from these premises, this work will illustrate the principal definition of healthy city mainly related to public spaces and propose the Charter of urban health, liveability and happiness with 25 principles carried out in the framework of the IRISS CNR research project "Contemporary urban landscape design: place identity,

happiness, liveability, health and sustainability" (Responsible: M.Sepe). The principles – following an holistic approach - should be considered as dynamic, in keeping with the increasingly rapid rates of change in a place and are both a check-list and guide lines for sustainable spaces.

Well-being, social interaction and physical activity

The relationship between healthy, liveability, happiness and urban design are the complex result of multiple elements which play different roles in the city system. Improving these factors with sustainable urban design, and preserving place identity as well, is a great challenge (Carmona, et Al., 2010; Lynch, 1960; Madanipour, 2003; Porteous, 1977; Relph, 1976; Sepe, 2013-2015). To suitably understand this complex system, in the following the topics are illustrated separately.

With respect to the health theme – which is strongly connected with liveability and happiness -, recent studies (AAVV, 2017) report that firstly it is important to identify reasons why people who live in cities have greater risk to have health problems because of different factors. These include: disparities; crowding, noise, pollution, which can produce stress and encourage people in avoid social relationships that are important for mental well-being; low presence of green, which results in possible reduction of leisure time, security and privacy; the increasing use of the Internet followed by a decreasing in the use of public space; the demand of always more specific types of food; the increasing in metropolitan, street and city sports of different kinds.

Urban design and planning can contribute to decrease mental health problems and improve happiness in the city by reducing those risk factors. The Mind the Gaps frameworks created by McCay (AAVV, 2017) identify four topics to make tangible the urban planner help, even though no one city still embodies all of them. Topic 1 is, as affirmed in different theories, access to urban green places, which can have many good factors including encourage exercise and social interaction; Wilson affirms that the good effect of green space stands in the fact that humans have biological need satisfied by the contact with other species; Ulrich states that the good effect is due to the contemporaneity of experience with aesthetics of nature and distance from every day problems; the Kaplan (Rachel and Stephen) theory proposes that natural sites take the attention of people more than the non-natural because these last need contemporary concentration on many elements.

These theories can help to understand the positive effect of green space in mental health but are not enough to assume that the design of green space in a site can assure improvement in mental health. There are other factors which can influence negatively benefits in green space such as inaccessibility, bad management, a feeling of threatening that can discourage its use. Green spaces should be designed to be welcoming to different kinds of people and not monopolized by certain groups. Indeed in some cases, green spaces can encourage behaviours, which are anti-social and discourage their use, because people feel unsafe in those spaces.

Successful green spaces should be walkable and have a suitable both physical and visual accessibility, which improve people's wellbeing. Accordingly, small presence of green in small space, streets or workplace is important as well.

Another important factor is to create different options of transport such as paths for pedestrians and bikes, which help to reduce sedentary habits. Furthermore, it is important to design public spaces with flexible use which are capable to create a sense of belonging and community, providing streets furniture for both resting and chatting and other elements which contribute to social activities and the general perception of wellbeing.

The perception of safety also contributes to a better quality of life and public spaces, and those that are capable to contribute to this feeling are successful. Some features, which can help this feeling, include suitable lighting and clear landmarks.

As Lucy Sauders (AAVV, 2017) affirms people in the last decades are living longer than ever and so it is necessary to have healthier places to allow healthier life to all. This is because the daily activities such as work, travel and leisure are directly or indirectly connected to the place where these occur requiring suitable spaces.

Elements such as air pollution, noise, road dangers and social connectedness can influence our health in different ways. The question is to understand what of these factors influence in a wider ways health and how to address them. Sauders suggests to address all of them at once and implementing good practice in urban design at the largest possible scale.

Indeed, places which are good for people are often healthy as well. In public realm, this often means the diminishing in motorised transport, which is used for carrying people who could instead walk or cycle. Motorised transport impacts in non-positive ways on air pollution and physical inactivity, transforming public spaces in noisy and unwelcoming areas. And these also increase the problems deriving by poor access and road danger, which are particularly important for the most disadvantaged people. Putting people at the centre of the urban design and decision potentially reduce the inequalities. Accordingly, Healthy streets, as Lucy Sauders suggests, identify 10 indicators, which indicate how design urban spaces and transport policies which make people first (AAVV, 2017).

The most two important indicators - pedestrians from all walks of life and people choose to walk and cycle - have the aim to create places in which all people can participate in public life and both healthy and friendly environment design are considered in priority way.

The other eight indicators - People feel relaxed, Easy to cross, Clean air, Not too noisy, Places to stop and rest, People feel safe, Things to see and do, Shade and shelter show –clarify what is necessary to do to create inclusive, appealing and healthy places. Places, which do not have these characteristics, discourage people in using them. All professionals – transport professionals, landscape architects, community groups, artists, planners and developers - are involved in the realization of Healthy streets and all the indicators are necessary for creating them.

A big challenge is to meet the demands of the different stakeholders in order to put in practice the principles, all often in limited spaces. Streets can be contested spaces and every street requires different approach according with social, physical, political or financial questions, which can weight in the general design not always in the same way. The important, as declared by Sauders, is that the general objective is to create public space which work better for people and are healthy and liveable for all.

Furthermore, there exist important factors which create good interactions between places with behaviours, including: the promotion to daily activities such as walking or cycling which help people in having a healthy weight; the facilitation to easy access to healthy food; and the promotion of connected neighbourhoods and economic development.

Finally, the Richard Crappsley' (AAVV, 2017) approach to healthy design is mainly focused on streets and includes: reducing on-street parking and reallocating road space for vehicles, while adding space for walking and cycling; improving both the quality of footway zones and furniture and making easier for all age people to cross the streets; making bicycle infrastructures safer and more confortable also introducing suitable separation with busy roads; slowing traffic, using different kinds of visual elements and tight corners; improving environmental elements, such as trees, sustainable drainage, shades streets and reduction of traffic noise; adding on-streets activities with both formal and informal activities which encourage people to use the space for social interaction or spend more time there; making safer the streets dissuading crimes and sense of insecurity, improving suitable lighting, natural surveillance; and making streets welcoming for all, improving accessibility.

Encouraging healthy behaviours through quality urban design

The factors described in the previous sections shows that healthy and liveable urban design are capable to influence urban happiness in many ways, contributing to sustainability and the preservation of place identity. Accordingly, in the following, the principles of the Charter of urban health, liveability and happiness will be

proposed. The principles are the results of the experiments carried out with the original Ecolivable+ Design Method (Sepe, 2019). The aim is encouraging healthy behaviours through quality urban design promotion.

1. A healthy, liveable and happy place is a space which can transmit feelings of healthy, liveability and happiness to everyone who uses it.

Accordingly, it is important:

2. To encourage the use of the place by people of different age groups, from children to the elderly

3. To eliminate architectural barriers which might discourage people from frequenting that space

4. To create a suitable balance between the elements of nature, landscape and equipment in the composition elements of the space

5. To have both in streets and public spaces natural lighting during the day and artificial at other times, avoiding artificial light in daily hours.

6. To retain an adequate state of cleanliness and maintenance

7. To create suitable spaces for dogs and domestic animals

8. To create a sense of security and safety to those who walk, cross, rest, and so on in the public spaces

9. To minimise or eliminate the noise generated by public transport

10. To improve suitable cycle lines

11. To fully perceive naturally occurring smells - e.g. wood, grass, sea

12. To have direct contact with natural materials, preferably local, used in the design of the space

13. To have the presence of water in different shapes (e.g. fountains) which promotes the vitality of the place.

14. To have the possibility of doing actions – such as walking, watching, etc.. - with a moderate or slow pace, promoting opportunities to take breaks in the space

15. To have the possibility of using the space in different weather conditions and seasons, contributing at the same time to its good state of maintenance

16. To preserve both the place identity and the intangible characteristics of the site and its surroundings

17. To both allow an promote different types of functions such as games, breaks, walking, etc..

18. To facilitate gymnastic activities – also slow - with the presence of small equipment or a designated space.

19. To have the possibility of doing actions that normally are not permitted – such as walking barefoot in the water or in designated public areas -, improving a feeling of freedom and joy.

20. To encourage the presence of art in its different forms.

21. To promote sculptures, games, or other elements and amenities which can bring a smile to a person's face promotes a state of liveability and happiness.

22. To promote participation, namely the feeling of being able to contribute to the life of that place increasing the sense of belonging.

23. The consideration of the place as symbolic of the neighbourhood improves the perception of its identity.

24. To promote the educational function which a place has – e.g. clearly displayed information about history of the place etc. or suitable ways to use it - increasing its intrinsic value.

25. To facilitate the use of new technology to increase the knowledge of its intangible values and history, offering a more profound experience of the place.

The principles – following an holistic approach - should be considered as dynamic, in keeping with the increasingly rapid rates of change in a place and are both a check-list and guide lines for sustainable spaces.

Conclusion

The work illustrated the principal definition of healthy city mainly related to public spaces and the Charter of urban health, liveability and happiness with 25 principles. The New Urban Agenda, adopted during the Habitat III Conference in 2016 was used as a framework and the study concerning urban liveability and healthy were the scientific framework. The *file rouge* of the study presented in this paper is the idea that people have to be considered the centre of any design of place and that a quality urban design is able to strongly improve well-being, social interaction and physical activity encouraging healthy behaviours.

The paper identified the reasons why people who live in cities have greater risk to have health problems because of different factors, including: crowding, noise and pollution, which can produce stress and encourage people in avoid social relationships that are important for mental well-being; low presence of green, which results in possible reduction of leisure time, security and privacy; the increasing use of the Internet followed by a decreasing in the use of public space. Urban design and planning can contribute to decrease mental health problems and improve happiness in the city by reducing those risk factors.

The principles of the Charter of urban health, liveability and happiness – result of the experiments carried with the original Ecolivable+ Design method - which were proposed represent both a checklist and guidelines, which the project has to satisfy in order to enhance the three factors – health, liveability and happiness - of the place in question. As mentioned in the NUA section, the Agenda promotes civic engagement, engender a sense of belonging and ownership among all their inhabitants. Furthermore, it supports the provision of well-designed networks of safe, accessible, green and quality streets and other public spaces that are accessible, promoting walkability and cycling with the goal of improving health and wellbeing.

Accordingly, aim of the Charter of urban health, liveability and happiness is encouraging healthy behaviours through quality urban design promotion. The principles should be considered as dynamic, in keeping with the increasingly rapid rates of change in a place, which lead to continually expanding the concepts of health, liveability and happiness (Taylor et Al.,1998, Zelinka et Al., 2001; Zidansek, 2007).

Next steps of the present study – currently in development - are devoted to identify and create suitable indexes to measure urban health, liveability and happiness or other indexes derived from a combination of these elements. These indexes could be used in a more comprehensive calculation of the sustainability meant in social, environmental and economic meaning of an urban project both in the initial and final phases.

References

AAVV, 2017, Healthy Cities, *Urban Design Group Journal*, 142

Appleyard, D., 1981. *Livable Streets* (Berkeley: University of California Press)

Burns, G. W., 2005, Naturally happy, naturally healthy: The role of natural environment in well-being. In F. A. Huppert, N. Baylis, and B. Keverne eds. *The science of well-being* (New York: Oxford University Press)

Florida R., Mellander C., Rentfrow P.J., 2013, *The happiness of Cities*, Regional Studies, 47, 613-627

Friedmann, J., 2010, Place and Place-Making in Cities: A Global Perspective, *Planning Theory & Practice*, 11 (2) 149-165

Gehl, J., 2010, *Cities For people* (Washington: Island Press).

Carmona, M., Heath, T., Oc, T., Tiesdell, S., 2010, *Public places-Urban spaces* (Oxford: Architectural Press).

Lynch, K., 1960, *The Image of the city* (Cambridge: Mit Press).

Madanipour, A., 2003, *Public and Private Spaces of the City* (London, New York: Routledge).

Montgomery, J., 1998, Making a City: Urbanity, Vitality and urban Design, *Journal of Urban Design*, 3, 93-116

Montgomery, C., 2013, *Happy City* (London: Penguin)

Porteous, J.D., 1977, *Environmental and behavior: planning and everyday urban life* (Reading, Massachusetts, Addison-Wesley).

Relph, E., 1976, *Place and Placelessness* (London, Pion).

Sepe, M., 2013, *Planning and Place in the City. Mapping Place Identity* (London, New York: Routledge).

Sepe, M., 2015, Improving Sustainable Enhancement of Cultural Heritage: Smart Placemaking for Experiential Paths in Pompeii, *International Journal of Sustainable Development and Planning*, 10, (5) 713-733.

Sepe, M., 2017, The Role Of Public Space To Achieve Urban Happiness, *International Journal of Sustainable Development and Planning*, 2 (4) 724-733.

Sepe, M., 2019, Liveable and healthy city design. In: *WIT Transactions on Ecology and the Environment*, edited by C. A. Brebbia, N. Marchetini, G. Passerini, Volume 217 (Ashurst Lodge: WIT Press)

Taylor, A. F., Kuo, F. E., Sullivan, W. C., 1998, Growing up in the inner city: Green spaces as places to grow, *Environmental Behavior* 30 (1) 3-27.

Zelinka, A., Brennan D., 2001, *Safescape, Creating Safer, More Livable Communities Though Planning and Design* (Chicago: Planner Press APA)

Zidansek, A., 2007, Sustainable development and happiness in nations. *Energy*, 32, 891-7.

aesop2019.eu