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PLANNING FOR TRANSITION

Book of Papers

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Planning for Transition

Contemporary cities and territories face significant challenges – natural disasters due to climate change impacts, ecological crises, growing socio-economic unrest, global migration, political rifts including a rise of right wing factions, ambitious public works and mega-projects – all of which require new capacities in dealing with such individual and multiple groupings of such challenging and profound changes.

It is a matter of fact that at international level a discourse if not a condition of transition is pervading sectors and societies. This discourse points to alternative patterns and solutions to many of the challenges faced. A quickly changing scenario requires forms of planning, both locally and globally, which bear the capacity to support and manage mutable urban and environmental conditions. In fact, although cities do incessantly change, policy-makers and institutions are never fully prepared to respond to complex and risky situations, as well as relying on planning and policy tools which are often outdated; in addition, also existing theoretical frameworks, concepts, cognitive abilities and approaches become ineffective or outmoded.

Each unintended or unanticipated change comes as a break to existing social, political, and administrative routines and yet it may be anticipated that mechanisms of collective reflection and action will be generated. The congress invites scholars and practitioners to present and discuss case-studies of cities and projects that have engaged in meeting challenging situations – supporting transitions in urban contexts.

Specifically, it is aimed at offering an understanding of the forms of knowledge, concepts, tools, and skills needed to plan and address transition. Furthermore, it seeks to explore whether (and how) managing such changes has brought any overall reconsideration of the city design model and towards more general institutional reconfigurations.

The book collects all the papers presented at the Aesop Venice 2019 conference. It is articulated in chapters that correspond to the tracks (16) and special sessions proposed (23).

Tracks

1. Transforming built heritage and landscapes
2. Urban design for multilevel planning
3. Teaching planning for the transition
4. Institutional change and regional transition
5. Methods and technologies for transformative planning
6. Community-based planning and social innovation
7. Theorizing urban change: complexity and ethics
8. Transition paths and urban futures
9. Climate proof cities and resilient societies
10. Urban metabolism and circular economy
11. Housing, gentrification and socio-spatial dynamics
12. Food, planning and healthy cities
13. Planning for accessibility and sustainable mobility
14. Planning, Law and Property Right: facing urban transitions
15. Tourism, spaces and urban cultures
16. Urban and Regional economics for transition

Special Session

1. Transition Histories
2. Urban Tourism, Neighborhood Change and Social Conflicts
3. Innovative Agriculture for Healthy Cities
4. Towards Post-Growth Planning Theory and Practice
5. Planning and Designing Green Infrastructures
6. Land Development and Management in Post-Socialist Countries
7. Home Sharing. Short-Term Rentals Affecting Local Housing Markets
8. Dynamic Change, Uncertainty and Planning for Adaptivity
9. Space, Citizenship and Identity: The Eu-Mena Region
10. The Role of The Local in Improving Cohesion and Spatial Justice
11. Friendly Spaces and Mobility for Ageing
12. Emerging Spatialities and Eu Policy Instruments: Cases and Perspectives
13. Facing Migrants Exclusionary Urban Policies
14. Learning Loops in The Public Realm. Enabling Social Learning in Communities to Tackle the Challenges of Cities in Transition
15. Planning and Biodiversity
16. Acsp-Aesop Special Session: Morsels of Hope: Migration and Urban Planning
17. Spatial Tensions: Urban Microgeographies for Changing Cities
18. Affordable Housing in Developing Countries: a Comparative Perspective
19. Acsp-Aesop Special Session: Learning from Arnstein's Ladder: from Citizen Participation to Public Engagement
20. Smart Cities and Regions Informing the Energy Transition
21. Maritime Spatial Planning (MSP) In Europe: Challenges in Transition
22. Shrinking Cities and Sustainability
23. Regional Design: Impacts on Territorial Governance and Planning Practice



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 Asai Yuka, Miyake Saki, Abe Hirokazu, Otsuka Noriko	2
INVISIBLE PROJECTS: IMAGINED NEARNESS AS A TOOL TO EXPLORE LONG-TERM TRANSITIONS OF LANDSCAPE/HERITAGE. THE CASE OF THE RIVER TIBER IN ROME Avellini Elisa	12
ASSESSING THE TRANSITION FROM TRADITIONAL TO PARTICIPATORY HERITAGE MANAGEMENT IN TURKEY Aydin Gizem, Bleil de Souza Clarice, Cerutti Federico	21
TRANSITIONS TOWARDS LANDSCAPE-AND HERITAGE-CENTRED LOCAL DEVELOPMENT: A MULTI-LEVEL PERSPECTIVE Barbanente Angela, Grassini Laura	35
THE SLOW LINE AS AN OPPORTUNITY TO REGENERATE HERITAGE IN THE FRAGILE AREAS: THE CASE OF THE VENTO PROJECT Dezio Catherine, Giamb Bruno Maria Cristina, Oppio Alessandra, Pileri Paolo	49
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 Hu Shufen	62
TOWARDS A HISTORICAL URBAN LANDSCAPE: PRINCIPLES AND APPROACHES IN RECENT BUILT HERITAGE AND LANDSCAPE REGENERATION PROJECTS IN THE YORKSHIRE REGION OF ENGLAND Huang Yong, Ren Xiang	75
UMBRELLAS, INCUBATORS, MOTHERS AND KILLERS: FOUR TYPOLOGIES OF RELATIONSHIP BETWEEN CULTURAL MEGA-EVENTS AND SMALL AND MICRO EVENTS IN HERITAGE-RICH EUROPEAN CITIES Jones Zachary, Ponzini Davide	85
REFLECTIONS ON INDIVIDUAL MEMORY IN THE TRANSFORMATION OF CULTURAL HERITAGE COGNITIVE CONTEXT Li Cong, Li Jiaying	95
EMERGING NEW MODEL OF URBAN RESIDENTIAL HISTORICAL BUILT-UP AREA RENEWAL IN CHINA: FIVE PRACTICE OF URBAN RENEWAL IN SHENZHEN, GUANGZHOU AND SHANGHAI Long Jiayu, Gang Liu	119
PARADOXES OF THE ITALIAN HISTORIC CENTRES BETWEEN UNDERUTILISATION AND PLANNING POLICIES FOR SUSTAINABILITY Pellegrini Paola, Micelli Ezio	132
ALPINE INDUSTRIAL LANDSCAPES IN TRANSITION. TOWARDS A TRANSFERABLE STRATEGY FOR BROWNFIELD TRANSFORMATION IN MOUNTAIN REGIONS. Modica Marcello, Weilacher Udo	147
BUILT HERITAGE AND LANDSCAPE ROLE IN THE ROME METROPOLITAN PLAN Nucci Lucia	166
THE PRODUCTION OF HERITAGE Pace Michela, Chandler Alan	172
DEVELOPING TRANSFORMATION STRATEGIES FOR ALPINE INDUSTRIAL LANDSCAPES SHOWN BY THE STYRIAN IRON ROUTE IN AUSTRIA Pechhacker Julia, Forster Julia	182
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 Schretzenmayr Martina, Casaulta-Meyer Simona	196



Table of Contents

THE INFLUENCES AND IMPLICATIONS OF THE EUROPEAN CAPITAL OF CULTURE ON INTANGIBLE HERITAGE: NOVI SAD 2021 Stupar Aleksandra, Camprag Nebojša, Polić Darko	209
URBAN DESIGN METHODS OF SHANGHAI TILANQIAO HISTORIC DISTRICT UNDER THE BACKGROUND OF URBAN RENEWAL Sun Xinyu	223
IN SUPPORT OF GLOBAL INTEGRATED LANDSCAPE INITIATIVES: EXPERIENCES FROM THE GREEN HEART IN THE NETHERLANDS Tisma Alexandra, Meijer Johan	236
BUILT HERITAGE AND AGENDA 2030. EMBEDDING HERITAGE VALUES IN THE SPATIAL PLANNING LOCAL AGENDA Trillo Claudia	248
WHO IS AFRAID OF TRANSITION? MONITORING THE IMPACT OF TRANSFORMATION ON HISTORICAL RURAL LANDSCAPES AS INDICATOR OF COMMUNITIES' CHANGING NEEDS Vigotti Francesca	261
RECONSTRUCTING PUBLIC HISTORY THROUGH EUROPEAN SETTLER AND INDIGENOUS HERITAGE AND LANDSCAPE Walker Ryan	272
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 Xu Xiwei, Yin Xi, Li Yang	290
TRANSFORMATION OF ROADS' FEATURE PROTECTION: STATUS AND FUTURE THINKINGS OF SHANGHAI'S FEATURE-PROTECTED ROADS: BASED ON THE CASE OF YUYUAN ROAD IN SHANGHAI Zhou Yeyuan, Xueyan Wang	301

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 Amirshekari Razno Salma, Beattie Lee, Silva Cristian Alejandro	315
OPPORTUNITIES, INNOVATION, AND LEGITIMACY IN PUBLIC-PRIVATE COLLABORATION. LESSONS FROM FRENCH PRACTICES Ariani Camilla, Donvito Giacinto	327
ROME CAPITAL REGION: REASONS AND SCOPE OF A DIFFERENT PROSPECTIVE Caudo Giovanni, Baioni Mauro, de Strobel de Haustadt E Schwanenfeld Lorenzo	352
EXPLORING IBA BASEL – ASSESSING THE IMPACT OF TRINATIONAL COOPERATION AND THE RESULTING PERSPECTIVES FOR THE POST IBA PERIOD Förster Agnes, Frieling Katharina, Thissen Fee Natalie	360
THE ROLE OF PARTICIPATORY PLANNING METHODS IN THE DEVELOPMENT OF PUBLIC SPACES: A SYSTEMATIC CASE STUDIES REVIEW ON SUSTAINABLE URBAN GOVERNANCE Geddes Ilaria, Charalambous Nadia, Papallas Andreas	375
LIVING APARTMENT BUILDINGS IN ANKARA AND THEIR RELATION WITH THE CITY Gedikli Bahar	389
RESEARCH ON RENEWAL OF LEFTOVER SPACES BASED ON MULTI-ACTOR PLANNING Guo YUCHEN, Baykurt Burçin, Dai Shuyuan	410
CITY AS A TRANSFORMATIONAL TOOL. THE INFINITY CITIES OF IVAN LEONIDOV Lanini Luca	433
PARTICIPATION AND COMMUNICATION: CHANGSHA CHILDREN FRIENDLY CITY PLANNING, DESIGN AND ACTIONS ON MULTIPLE LEVELS Li Ziyue, Ze Zhang	444



Table of Contents

A MULTILEVEL URBAN LANDSCAPE MEASUREMENT FOR ZONING CONTROL – A CASE STUDY OF GUSHAN KAOHSIUNG IN TAIWAN Li Jouhui, Han-Liang Lin	460
THE ROLE OF CLIMATHON® IN THE CHALLENGE OF MULTILEVEL ECOLOGICAL PLANNING Lorenzo Viviana, Massari Martina	479
INTERDISCIPLINARY METHODOLOGY FOR RETHINKING THE URBAN LAYOUT VIA MULTI CRITERIA ANALYSIS AND INDICATOR APPLICATION Luciani Francesca Romana, Caccamo Alessio, Herzog Lavinia, Nigro Silvia, Tommasoli Lavinia	488
COLLABORATIVE PROCESSES AND SPATIAL PLANNING: THE NATIONAL SPATIAL PLANNING POLICY IN PORTUGAL Maia Catarina, Sá Marques Teresa	499
FROM TRADITIONAL NEIGHBORHOODS TO URBAN ENCLAVES: AN INVESTIGATION ON THE RESIDENTS' PERCEPTIONS OF THEIR RESIDENTIAL TERRITORIES Memlük Çobanoğlu Nihan Oya, Akkar Ercan Müge	514
THE CHARACTERISTICS OF THE WORKING PLACE OF THE CREATIVE CLASS: THE CASE OF FASHION DESIGNERS IN ISTANBUL NISANTASI Olçay Gülsen Pelin, Mengin Hande	528
AN INCLUSIVE, MULTILEVEL PLANNING EXPERIENCE TO REGENERATE MILAN METROPOLITAN PERIPHERIES Pezzoni Nausicaa	545
CHARACTERISTIC OF FLEXIBLE SPACE OF TRADITIONAL URBAN STREET UNDER THE CONCEPT OF HEALTHY CITY: CASE STUDY OF MUSLIM SETTLEMENTS IN XI'AN Ren Yunying, Bai Shuaishuai, Wang Ruoyu	555
ASSESSING TERRITORIAL VULNERABILITIES AND SPATIAL INEQUALITIES: THE CASE OF PORTUGAL Marques Teresa, Saraiva Miguel, Matos Fátima, Maia Catarina, Ribeiro Diogo, Ferreira Márcio, Amante Ana	566
GRENOBLE-ALPES AND THE ECOLOGICAL TRANSITION: TERRITORIAL PLANNING IN MOTION Seigneuret Natacha	577
THE SPATIAL DIMENSION OF THE FLEMISH COVENANT OF MAYORS: A COMPARATIVE SPATIAL ANALYSIS ON THE TRANSITION TOWARDS ENERGY NEUTRAL MUNICIPALITIES Van Noordt Anneloes	591
SENSING OLDER PEOPLE'S LIVED EXPERIENCES THROUGH VISUAL IMAGES IN SINGAPORE Yuen Belinda	602
PRIVATIZATION, MARGINALIZATION AND REUSE OF WATERFRONT SPACE IN NEW TOWN - TAKING ZHANGJIANG SCIENCE CITY ZHONGSHI UNIT AS AN EXAMPLE Zhang Shuhan, Zhang Hanghua	613
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 Zhao Xiyao, Zhuang Hang, Lin Qing	633

PA04 Teaching planning for the transition

THE ROLE OF THE UNIVERSITY IN THE PROMOTION OF SOCIO-SPATIAL JUSTICE Álvarez de Andrés Eva, Falleiros Frare Ulises	645
RESEARCHING SCHOOLS VS RESEARCHING WITH SCHOOLS. AN URBAN RESEARCH LABORATORY EXPERIENCE IN AN ITALIAN HIGH SCHOOL Aliberti Francesco, Avellini Elisa	654
RECONFIGURING TEACHING/LEARNING/ACTION/RESEARCH: APPARATUS FOR SOCIO-SPATIAL TRANSFORMATION WITH/IN DISADVANTAGED RURAL REGIONS Baxter Jamie	661



Table of Contents

INTEGRATED DEVELOPMENT PLANNING - POLISH PRATICE AND DIDACTIC CHALLENGES	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	762
COLLECTIVE LEARNING ON PLANNING FOR INTEGRATION AND TRANSITION"	
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
Erärananta 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 Huang Yinbo	925
RESEARCH ON REGION GOVERNANCE CHARACTER AND MECHANISM OF SUBURBAN COUNTIES SURROUNDING METROPOLITANS IN CENTRAL CHINA Huang Yong, Sun Xuyang	937
SPATIAL GOVERNANCE AND PLANNING SYSTEMS AND THE CAPACITY FOR PUBLIC CONTROL OF SPATIAL DEVELOPMENT: A EUROPEAN TYPOLOGY Berisha Erblin, Cotella Giancarlo, Janin Rivolin Umberto, Solly Alys	951
ASPERN EXPLAINED: HOW THE DISCURSIVE INSTITUTIONALIZATION OF INFRASTRUCTURE PLANNING SHAPED NORTH-EASTERN VIENNA'S URBAN TRANSFORMATION Krisch Astrid, Suitner Johannes	965
"OBSERVING GOVERNANCE FROM THE 'STREET LEVEL' AN INVESTIGATION ON FIRST ACCESS SERVICES IN BOLOGNA, EMILIA ROMAGNA, ITALY" Marani Benedetta	985
INSTITUTIONAL PATTERNS FOR METROPOLITAN GOVERNANCE IN LAC COUNTRIES. THE DIFFERENTIATED EVIDENCE FROM BOLIVIA AND BRAZIL Pioletti Maurizio, Royer Luciana de Oliveira, Urquieta Crespo Patricia	1005
TERRITORIAL PLANNING AND URBAN TRANSFORMATIVE CAPACITIES. PRELIMINARY REFLECTIONS ON THE CASE OF VALENCIA IN SPAIN Segura-Calero Sergio, Peris Jordi	1026
URBAN RENEWAL MECHANISM IN MINORITY NATIONALITY AREAS OF CHINA IN THE NEW ERA Shen Cheng, Zhang Xinyi	1040
GRAND PARIS OR ÎLE-DE-FRANCE? COMPARING TWO INSTITUTIONAL MODELS FOR TRANSITIONING TO SUSTAINABLE TRANSPORT IN THE ÎLE-DE-FRANCE REGION Singerman Ray Rosalie, Maaoui Magda	1051
GOVERNANCE AND POWER IN THE METROPOLITAN REGIONS OF THE RANDSTAD Spaans Marjolein, Zonneveld Wil, Stead Dominic	1058
ADVISABILITY OF REINTRODUCING THE BUILDING CODE DOCUMENT TO CANTON SARAJEVO SPATIAL AND URBAN PLANNING LEGISLATION Tabori Nataša	1081
THE NEW DYNAMICS BETWEEN REGIONAL AND URBAN GOVERNANCE: RURAL AREAS AS CONNECTION ELEMENT Torrisi Luca	1100

PA06 Methods and technologies for transformative planning

TERRITORY AS MEDIA AND SOCIAL MEDIA AS TERRITORY Aliberti Francesco	1116
TECHNOLOGY READINESS FOR CITIES: THE NEAR-FUTURE CASE OF AUTONOMOUS PASSENGER DRONES Donnet Timothy	1126
THE SYSTEM OF SOCIO-SPATIAL DIVERSITY MONITORING IN THE CITY OF GDANSK, POLAND Gralewska Anna	1133
URBAN PLANNING AND NATURE: PARAMETRIC MODELLING AS A TOOL FOR RESPONSIVE GREENING OF CITIES Lemes de Oliveira Fabiano , Hamdan Dana	1143
MAPPING THE LANDSCAPE OF BEHAVIOURAL THEORIES: SYSTEMATIC LITERATURE REVIEW (SHORT REVIEW OF) Kwon Heeseo Rain, Silva Elisabete A.	1156



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
Fatourechi 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, Penninx 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 Jiang Chenhan, Li Chen	1365
EXPLORATIONS ON THE ACTIVATION ROUTE OF GATED COMMUNITY BOUNDARY SPACE BASED ON COMMUNITY MICRO-RENOVATION—A CASE STUDY OF SHANGHAI Kai Xin, Yang Guiqing	1377
“STOP THE CHILD MURDER”: HOW A GRASSROOTS MOVEMENT FOR CHILDREN’S SAFETY FORMED A NEW PARADIGM IN URBAN DESIGN Katsavounidou Garyfallia	1397
URBAN MICRO-RENOVATION BASED ON ACTION RESEARCH METHODOLOGY: A CASE STUDY OF YIFENGLI, HONGKOU DISTRICT, SHANGHAI Li Qing, Lin Ni	1407
“THE ROLE OF ACTIVIST RESEARCHERS IN URBAN AND REGIONAL PLANNING. ANALYSING AND COMPARING INTERNATIONAL CASE STUDIES OF SOCIAL CHANGE” Scaffidi Federica, Franco Monica Lopez, Mottee Lara, Sharkey Megan	1416
NETWORKING COLLECTIVE KNOWLEDGE TO FOSTER CHANGE. THE CASE OF SANSHEROES NETWORK (SAN SIRO, MILAN) Maranghi Elena	1434
LET’S MEET AT THE URBAN COURTYARD! THE ROLE OF THE COMMUNITY PARTICIPATION IN MICRO-SCALE URBAN REGENERATION IN KRAKOW Miskowiec Magdalena	1443
LOST OR FOUND IN TRANSLATION? TRANSLATING INNOVATIVE FORMS OF PARTICIPATION INTO FORMAL DECISION MAKING Ringholm Toril	1456
TRANSFORMATION OF GROWN CITY CENTRES Schaumann Elisabeth, Simon-Philipp Christina	1474
CO-CREATING COLLECTIVE IMAGINATION. HOW TO PRODUCE THOUGHT-IMAGES FOR URBAN REFRAMING? Schreurs Jan E.a.	1485
STREET-LEVEL DEMOCRACY? URBAN PROFESSIONALS AS PARTICIPATORY INNOVATORS IN NEIGHBOURHOOD PLANNING PROCESSES Van Aanholt Jelle, Spanjar Gideon, De Nijs Karin, Suurenbroek Frank, Majoor Stan	1497
PLANNING FOR TRANSITION AND THE MULTIPLE PERSPECTIVES ON DEMOCRATIC LEGITIMACY Wolff Almut	1514
CULTURAL STAKING: TRANSITION OF THE CORE PUBLIC SPACE OF RURAL SETTLEMENTS Yang Guiqing, Xiao Yinghe	1524

PA08 Theorizing urban change: complexity and ethics

REBUILDING THE PLANNING SYSTEM: THE TRANSITION TOWARDS PROFESSIONAL ANTAGONISM IN THE UPHILL BATTLE OF MADRID NUEVO NORTE Aparicio Angel, Arias Félix	1537
SEX (ROLES) AND THE CITY Belingardi Chiara	1548
MANAGING RELIGIOUS MEGA-EVENT IN A MUNDANE URBAN COMMUNITY: THE CASE OF MUSLIM EID AL-FITR IN HUXI MOSQUE, SHANGHAI Cai Tong, Zhang Ze	1554
THE RIGHT TO HOUSING: FROM OCCUPATION TO TRANSITORY COLLECTIVE HOUSING IN TURIN. THE CASE OF VIA LA SALETTE Cottino Valeria, Gai Veronica, Mosetto Annalisa, Sacco Paola	1559
URBAN AGRICULTURE AND THE SOCIAL ROLE OF URBANISM: PLANNING AND ETHICS FOR COMMUNITIES AND TERRITORIES Marat-Mendes Teresa, Cunha Borges João	1569

Table of Contents

TOWARDS POST-HUMAN URBANISM Lapintie Kimmo	1584
COMMUNICATION THROUGH VISUALIZATION: THE PURPOSE, ROLE AND STYLE OF VISUALIZATIONS IN URBAN PLANNING Mikulcik Burcu	1595
DESIGN IN THE ANTHROPOCENE: AN OPENING TO THE OTHER Rispoli Micol	1603

PA09 Transition paths and urban futures

LANDING. THE NEED FOR A RENEWED URBAN VOCABULARY FOR HOSPITALITY (AND THE CITY) Bovo Martina	1615
UNDERSTANDING THE URBANITE-ORIENTED PERFORMANCE OF ECOSYSTEM SERVICE I N PERI-URBAN AREAS: AN ANALYTICAL FRAMEWORK Liu Shuang , Li Zhipeng, Yan Kai, Chen Chen	1625
SUSPENDED TERRITORIES AND WINDOWS OF OPPORTUNITY AFTER THE 2016 EARTHQUAKE IN CENTRAL ITALY Francucci Marco Emanuel	1637
LITHUANIA AT THE CROSSROADS: EXPERIENCE FROM THE 'MAKING' OF A NATIONAL SPATIAL PLAN Gauce Kristina, Ratkute-Skackauskiene Giedre, Jakutyte-Walangitang Daiva, Neubert Nikolas	1645
BREX CITY: CURRENT AND FUTURE URBANITIES OF THE UNITED KINGDOM/REPUBLIC OF IRELAND BORDER Jefferies Tom	1660
BUILDING URBAN FUTURES THROUGH AN EXPLORATORY PROJECT: HOW CAN INNOVATIVE DESIGN APPROACHES BE USED TO REGENERATE URBAN PLANNING ROUTINES? Lavoie Nicolas, Abrassart Christophe, Scherrer Franck	1670
ADAPTATION. A METAPHOR FOR THE AGE OF CLIMATE CHANGE Magnabosco Giacomo, Bertin Mattia, Fabian Lorenzo	1686
QUESTIONS OF JUSTICE IN HYDROLOGICAL EXTREMES: ADVANCED REVIEW Savelli Elisa, Rusca Maria, Di Baldassarre Giuliano	1698
THE STRATEGIC DILEMMA OF AN OPEN AND CLOSED APPROACH OF TRANSITIONAL CHANGE. COMPARING THREE TRANSITION PATHS TO SUSTAINABILITY IN THE NETHERLANDS. Van der Wouden Ries	1710

PA10 Climate proof cities and resilient societies

URBAN RESILIENCE TO DISASTERS: A POLICY CASE FROM TURKEY Adikutlu Selin, Şenol Balaban Meltem	1726
CLIMATE CHANGE IMPACTS IN THREE REGIONS OF GREECE: INTERCONNECTIONS WITH REGIONAL PUBLIC PERCEPTIONS AND PLANNING POLICIES Angra Dimitra, Sapountzaki Kalliopi	1734
URBAN GREEN SPACES IN TRANSITION: URBAN SOCIAL-ECOLOGICAL RESILIENCE IN THE REGION FRANKFURT RHINE-MAIN—A REVIEW Bilgic Pinar	1754
A STUDY ON ESTABLISHMENT OF THE FLOOD PROTECTION STANDARD - A CASE STUDY OF DALI RIVER BASIN IN TAIWAN Chang Hsueh-Sheng, Katayama Takahiro	1770
CLIMATE JUSTICE AND INTEGRATED FLOODING RISK ASSESSMENT AND MANAGEMENT: A FRAMEWORK AND CASE STUDIES IN USA AND TAIWAN Cheng Chingwen, Chiang Li-Chun, Yao George C., Chou Wen-Jyun	1780



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) Delladetsimas Pavlos Marinos, Katsigianni Xenia, Van den Broeck Pieter , Hiergens Ide	1788
STUDY ON COUNTERMEASURES AND SPATIAL POTENTIAL OF CHINA'S COASTAL CITIES IN RESPONSE TO HEATWAVE AND FLOOD HAZARDS Feng Ning, Li Yang	1800
ERRATIC CLIMATE CHANGE PLANNING: THE GOLD COAST'S ALTERNATING TRANSITION Howes Michael, Dedekorkut-Howes Aysin	1821
ENHANCING CITIES' RESILIENCE IN THE FACE OF MULTIPLE CHALLENGES: ON-GOING EXPERIENCES IN ITALIAN AND GREEK CITIES Limongi Giada, Salata Konstantina-Dimitra, Galderisi Adriana	1833
FROM THE VIEWPOINT OF ECOSYSTEM SERVICE : A STUDY OF FUNCTIONAL REGIONALIZATION IN CHIAYI CITY, TAIWAN Lin Chia-Ming, Chang Hsueh-Sheng	1854
RESEARCH ON THE CONSTRUCTION OF "SPONGE CAMPUS" FROM THE PERSPECTIVE OF LOW IMPACT DEVELOPMENT - A CASE STUDY OF JIANGPU CAMPUS OF NANJING TECH UNIVERSITY Ling Lin, Dai Shenzhi	1863
CONVENING REGIONAL CLIMATE COLLABORATIVES: A CROSS-COMPARISON OF US CASES Margerum Richard D, Adams Steve, Bruce Josh	1879
SENSING THE CITY: CLIMATE CHANGES AND ADVANCED TECHNOLOGIES Fusero Paolo, Massimiano Lorenzo	1889
COOPERATIVE BRIDGES: THE ROLE OF RISK PERCEPTION IN CONSTRUCTION OF RESILIENT COMMUNITIES Monno Valeria, Frisullo Daniela	1895
BEYOND BARRIERS: EXPLORING THE FUTURES OF CLIMATE INFRASTRUCTURE ON THE VENETIAN LAGOON Toro Barragan Vanessa, Chan Collyn, Haney Elizabeth, Mohyuddin Azka, Ocampo Mary Anne, Ofsevit Ari, Purdy Bella, Smith Mary Hannah, Wong Angela	1907
PLANNING AND ARCHITECTURE FOR CLIMATE ADAPTATION: THE EXPERIENCES OF THE "STRUCTURE-TERRITORIES" IN LOW AND HIGH DENSITY CITY Serreli Silvia, Sanna Gianfranco, Biddau Giovanni Maria, Spanedda Pier Paolo, Chemli Nesrine	1924
FLOOD: CAN MIAMI LEARN FROM VENEZIA (OR THE OPPOSITE) WASHER CHRISTOPHE	1941
A COMPARATIVE ANALYSIS OF LOCAL CLIMATE CHANGE ADAPTATION PLANS FOR NATURAL DISASTER RISK REDUCTION IN SOUTH KOREA Yoon Dong Keun, Cho Seong Yun, Choi Yeon Woo, Jang Jung Woo	1952
RESILIENT PLANNING OF CHINESE DELTA CITIES UNDER CLIMATE CHANGE Zhang Xinyi, Shen Cheng	1968

PA11 Urban metabolism and circular economy

CIRCULAR ECONOMY IN URBAN PROJECTS: A CASE STUDIES ANALYSIS OF CURRENT PRACTICES AND TOOLS Appendino Federica, Roux Charlotte, Saadé Myriam, Peuportier Bruno	1981
URBAN METABOLISM AND THE CIRCULAR ECONOMY , THE CAPITAL APPROACH Hunt Peter	1996
LOCAL MANUFACTURING SYSTEMS IN THE PIEDMONT AREA. NEW SCENARIOS FOR AN INLAND METABOLISM Leonardi Maria	2009
RESEARCH ON THE THEORETICAL FRAMEWORK OF INTEGRATED URBAN WATER SYSTEM PLANNING BASED ON WATER CYCLE THEORY Liu Feiping, Dai Shenzhi	2025



Table of Contents

THE GOVERNANCE OF THE CIRCULAR ECONOMY: INSIGHTS FROM THE VENETO REGION Church Jon Marco , Lucertini Giulia, Bellinato Giacomo, Guolo Erika, Pizzo Giovanna, Bonomin Giulia	2043
BRINGING WASTE TO THE FOREGROUND OF CITIES. TOWARDS SUSTAINABLE TRANSITION MANAGEMENT IN THE URBAN REGION OF NAPLES (ITALY) Berruti Gilda, Palestino Maria Federica	2064
DATA CENTER AND THE CITY: A POTENTIAL FOR URBAN SYNERGIES Ramos Cáceres Cristina, Sandberg Marcus, Sotoca Adolfo	2072
RETHINKING ORGANIC WASTE STREAMS AS METABOLIC DRIVERS FOR IMPROVING URBAN SUSTAINABILITY AND AGROECOLOGICAL PRACTICES Stempfle Sarah, Tornaghi Chiara, Reho Matelda	2081

PA12 Housing, gentrification and socio-spatial dynamics

HOUSING POLICIES BEYOND NUMBERS: A COMPARATIVE STUDY IN PORTUGAL AND ITALY Di Giovanni Caterina Francesca, Antunes Gonçalo	2088
HIGH-DENSITY LIVING IN HONG KONG FROM THE PERSPECTIVE OF TEENAGERS Hao Pu	2107
REACH HOMES - A CRITICAL EXTENSION OF DWELLING Holden Samuel	2117
IDENTIFYING THE IMPACTS OF UNION STATIONS ON HOUSING PRICE IN KAOHSIUNG CITY, TAIWAN HSU Cheng-Kai, Chen Yen-Jong	2128
THE POSSIBILITIES AND LIMITATIONS OF THE STATE AND LOCAL AUTHORITIES' ACTIVITIES IN RESISTING FINANCIALISATION OF THE HOUSING SECTORS IN CENTRAL AND EASTERN EUROPEAN COUNTRIES Lis Piotr	2136
SUBURBS AND SUBSIDIZED HOUSING IN THE UNITED STATES: WHAT MAKES SOME SUBURBS MORE RECEPTIVE TO LOW-INCOME HOUSING TAX CREDIT HOUSING THAN OTHERS? McClure Kirk, Schwartz Alex	2144
GENTRIFICATION AND COMMUNITY-LED DESIGN: RENEGOTIATION AND LIMITATION OF THE RENT GAP IN THE UK Morton Tom	2168
ICD-AN ALTERNATIVE AFFORDABLE HOUSING INITIATIVE Nautiyal Nidhi	2180
HOUSES BEYOND-THE-THRESHOLD. A NEW PARADIGM OF HOUSING FOR THE THIRD MILLENNIUM Pezzoni Nausicaa	2196
HOUSING DEFICIT AND HOUSING OPPORTUNITIES: IMPLEMENTING COLLECTIVE OWNERSHIP IN THE CENTRE OF SÃO PAULO, BRAZIL. THE CASE OF FICA FUND Pioletti Maurizio, Cymbalista Renato	2209
CHICANA NEIGHBORHOOD ACTIVISM: GENDER, RACE, AND URBAN PLANNING Sandoval Gerardo, Sosa-Riddell Citlali, Sosa-Riddell Ada	2219
MASS HOUSING, RELOCATION, AND MOTHERS' AND CHILDREN'S RESIDENTIAL SATISFACTION: EVIDENCE FROM ANKARA Severcan Yucel Can	2236
"RETHINKING PARTNERSHIPS FOR AFFORDABLE HOUSING: PLANNING POLICY DESIGN NEXUS" Tsenkova Sasha	2253
DISPOSSESSION OF THE POOR THROUGH AN URBAN RENEWAL PROJECT IN NARLIDERE IZMIR, TURKEY Uysal Ayça, Arslan Avar Adile	2264



Table of Contents

THE POTENTIAL OF ALTERNATIVE HOUSING INITIATIVES TO 'TRANSFORM' THE HOUSING SECTOR: EXAMPLES FROM NEW YORK CITY AND BERLIN Yonder Ayse Nilufer, Brunzema Meta	2280
THE SPATIAL CHARACTERISTICS AND SUPPLY OF URBAN AFFORDABLE HOUSING - AN INTERNATIONAL COMPARATIVE STUDY Zhang Xiuning, Yang Fan	2288

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 Ardill Nicholas, Lemes de Oliveira Fabiano	2303
HEALTHY NEIGHBORHOODS ALONG AN URBAN TO RURAL GRADIENT Carver Rial	2320
THE IMPORTANCE OF BUILT ENVIRONMENT: CHARACTERISTICS OF THE BUILT ENVIRONMENT AND SPATIAL PATTERNING OF TYPE 2 DIABETES IN PUDONG DISTRICT, SHANGHAI Chen Sijia, Yu Yifan	2334
DOES THE CONNECTIVITY OF URBAN PUBLIC GREEN SPACE PROMOTE USE? AN EMPIRICAL STUDY OF WUHAN INNER CITY Dong Yuping, Liu Helin, Zheng Tianming	2346
STUDY OF THE INTERRELATIONSHIP BETWEEN URBAN MICRO PUBLIC SPACE MORPHOLOGY AND MICROCLIMATE Han Shanshan, Song Dexuan	2361
A RESEARCH FRAMEWORK OF URBAN SPATIAL PLANNING REGULATION BASED ON CARDIOVASCULAR HEALTH IN THE CONTEXT OF SEVERE COLD CLIMATE Li Shuyuan, Leng Hong	2373
THE CONSTRUCTION OF PEDESTRIAN NETWORK IN URBAN BLOCKS: A CASE STUDY Li Wenzhu, Sun Tongyu	2383
"THE REPOSITIONING AND URBANISATION OF HEALTH: NEW HEALTHY PLACES ALONG HOSPITAL-CITY-CONTINUUM AND ITS IMPLICATIONS FOR HEALTHY CITY PLANNING" Maierhofer Magdalena	2395
PHYSICAL ACTIVITY IN FAMILIES DAILY-LIFE OF SUBURBAN AREAS – THE CASE OF RIO DE MOURO, LISBON METROPOLITAN AREA Marques da Costa Eduarda, Franco Pedro, Marques da Costa Nuno	2406
HEALTHY CITY OF TOMORROW Nucci Lucia	2416
SHAPING CITIES FOR HEALTH TO CONTRAST THE EFFECTS OF CLIMATE CHANGE: THE CCHURE PROPOSAL D'Onofrio Rosalba, Odoguardi Ilaria, Trusiani Elio	2423
SUPPLY-DEMAND ANALYSIS OF PARK SERVICES FOR DIFFERENT AGE GROUPS IN COMMUNITY LIFE CIRCLE: A CENTRAL DISTRICT IN SHANGHAI AS A CASE Qiu Ming, Wang Min	2434
WELL-BEING, SOCIAL INTERACTION AND PHYSICAL ACTIVITY: ENCOURAGING HEALTHY BEHAVIOURS THROUGH QUALITY URBAN DESIGN Sepe Marichela	2443
URBAN FARMING IN A RAPID URBAN TRANSFORMATION: COMMUNITY INITIATIVES AND POLICY CHALLENGES IN BANDUNG AND YOGYAKARTA Setiawan Bakti, Tuntung Pandangwati Sri	2451
USING SPATIAL AGGREGATION METHOD OUTCOME TO EXPLAIN THE INFLUENCES OF BUILT ENVIRONMENT ON HEALTH PROFILE Shen Yuanyi, Zhong Mengqi, Zhang Qinglai, Bu Jiatian, Yu Yifan	2466



Table of Contents

THE SPACE-TIME RELATIONS BETWEEN PEDESTRIANS AND STREET VENDORS: A CASE STUDY IN SUIHUA, CHINA Sun Ziwen	2473
WALKABILITY IN FLANDERS (BELGIUM): DEVELOPING A TOOL TO SUPPORT HEALTHY SPATIAL PLANNING. Vervoort Peter, D'Haese Sara, Verdeyen An, Van Acker Ragnar	2486
RESEARCH OF AN INDICATORS SYSTEM FOR THE COMPACT URBAN FORM BASED ON THE HEALTHY CITY CRITERIA Wang Yimin, Fu Bin, Zhang Haoyan, Yang Shaoliang, Hu Ying, Lin Zhongjie	2497
WALKING IN SHANGHAI: STREET PLANNING AND DESIGN BASED ON WALKABILITY Xu Xinxin, Zhao Xiyao	2505
THE INFLUENCE OF COGNIZED NEIGHBORHOOD ENVIRONMENT ON CHILDREN'S HEALTH AND OUTDOOR ACTIVITIES: A CASE STUDY OF SHANGHAI Zhai Baoxin, Zhu Wei	2513
THE SIGNIFICANCE OF URBAN HISTORICAL PARKS TO PHYSICAL ACTIVITY AND PUBLIC HEALTH: A CASE STUDY IN BEIJING, CHINA Zhang Sihan, Liu Xiaoming	2522
EXPLORING ASSOCIATIONS BETWEEN STREET NETWORKS AND CYCLING FROM THE PERSPECTIVE OF SPACE SYNTAX: AN EMPIRICAL RESEARCH OF YANGPU DISTRICT OF SHANGHAI Wang Lan, Zhou Kaichen	2535
URBAN RIVER REGENERATION AS A TOOL FOR HEALTHY CITY PLANNING: THE CASE OF SHENZHEN FUTIAN RIVER Zordan Mirna, Villani Caterina, Zou Junyu, Talamini Gianni	2546
TEMPORARILY PEDESTRIANISED STREET IN HONG KONG: GOVERNMENTAL STRATEGY OF IMPLEMENTATION AND TACTICS OF APPROPRIATION Villani Caterina, Cheng Yu Hin, Zordan Mirna, Talamini Gianni	2559

PA14 Planning for accessibility and sustainable mobilities

COMPARING IMPLEMENTATION APPROACHES IN MOBILITY INNOVATIONS: THE ECCENTRIC PROJECT IN MADRID Aparicio Angel	2573
SUSTAINABLE AND CONNECTED INFRASTRUCTURE NETWORKS AND URBAN REGIONS – TRANSITION TOWARDS INTEGRATED PLANNING OF URBAN NODES ON TEN-T CORRIDORS Arts Jos, Van der Linden Kevin, Van der Werf Sjaak	2584
CARGO HITCHING AS A TOOL TO TRASFORM THE URBAN MOBILITY SYSTEM. INTEGRATING PASSENGERS AND GOODS TRANSPORTATION TOWARDS A MORE SUSTAINABLE, DESIDERABLE AND EFFICIENT MOBILITY Bruzzzone Francesco	2599
AN ON DEMAND TRANSPORT IN A LOW DENSITY AREA OF PORTUGAL - ALENTEJO Carvalho Carmen	2613
CYCLING TO SCHOOL: EXPLORING KEY FACTORS INFLUENCING SCHOOL-GOING CHILDREN'S MOBILITY CHOICE TO CYCLE IN TALLINN, ESTONIA Kask Õne, Tan Wendy	2621
HOME PARKING AND COMMUTING: EXPLORING NEW WAYS OF ESTIMATING THE IMPACT OF PARKING ON MOBILITY CHOICES Khazaeian Omid, De Roiste Mairead, Daglish Toby, Saglam Yigit	2636
ALTERNATIVE DISCOURSE AND NARRATIVES FOR INSTITUTIONAL CHANGE IN TRANSPORT PLANNING Muhammad Imran	2647
CLASSIFYING GOVERNANCE INITIATIVES FOR AN EFFECTIVE INTEGRATION OF CAR SHARING WITH URBAN PLANNING AND TRANSPORT SYSTEMS Paganelli Luisiana	2661



Table of Contents

THE RELOCATION OF A CIRCUS SCHOOL FROM THE PERSPECTIVE OF MOBILITY OF ITS PARTICIPANTS Penninx Inge, De Mulder Sophie	2671
USING SNAMUTS TO PLAN FOR CHANGE: THE PLACE FOR ACCESSIBILITY MODELLING IN STRATEGIC PLANNING FOR URBAN TRANSITIONS Perkovic Jana, Stone John	2687
NEIGHBOURHOOD WALKING AS TRANSPORT, OUTDOOR RECREATION AND PUBLIC HEALTH Skjeggedal Terje, Vistad Odd Inge, Thorén Kine Halvorsen	2707
STEERING DISRUPTION: A BACKCASTING APPROACH TO GOVERN THE SPATIAL IMPACTS OF THE DIFFUSION OF AUTOMATED VEHICLES IN TURIN Staricco Luca, Rappazzo Valentina, Scudellari Jacopo, Vitale Brovarone Elisabetta	2722
BEYOND THE PLAN: METHODS OF TRIGGERING LONG-TERM CHANGE IN URBAN AND REGIONAL MOBILITY Förster Agnes , Strobel Eva	2732
ANALYSING THE RELATION BETWEEN TERRITORIAL FRAGILITIES AND ACCESSIBILITY: A FOCUS ON INDIVIDUAL DIMENSION AND NEEDS Vendemmia Bruna	2748
ENHANCING URBAN-RURAL CONNECTIVITY IN NON-METROPOLITAN REGIONS: A METHODOLOGY IN SUPPORT TO DECISION-MAKING Vitale Brovarone Elisabetta, Cotella Giancarlo, Staricco Luca	2756
‘STICKY FLOWS’ AND ‘PRODUCTIVE FRICTIONS’: UNTANGLING THE MECHANISMS OF STREET URBANISM Webb Jamme Hue-Tam	2769
PARKING PATTERN AND INFLUENCING FACTORS OF DOCKLESS PUBLIC BICYCLE: CASE STUDY FROM NANSHAN SHENZHEN Xie Zhaoyang, Liu Kun, Zhou Qingfeng	2796
“IMAGINING THE FUTURE OF MY NEIGHBORHOOD”: RESIDENTS’ PERCEPTIONS OF SUSTAINABLE MOBILITY AND REGENERATION AROUND METRO STATIONS IN THE CITY OF THESSALONIKI Papagiannakis Apostolos, Yiannakou Athena, Zachariadou Panagiota	2811
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 Yue Yufeng, Shi Haochen	2822
BICYCLE–METRO INTEGRATION FOR THE ‘LAST MILE’ IN SHANGHAI Zhang Ze, Cai Tong	2846

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

RIGHT TO THE CITY, HUMAN RIGHTS, AND CANADIAN CITIES Agrawal Sandeep	2853
“TRANSPPOSITION OF ADVOCACY EXPERIENCE AS TRIPLE-LOOP SOCIAL LEARNING IN ALBANIA: FIGHTING HPPTS IN PROTECTED AREAS FROM THE VJOSA RIVER BASIN TO THE CANYONS OF OSUMI” Bekteshi Arba, Misho Erinda	2857
MONITORING AND ENFORCEMENT OF SHORT-TERM RENTALS RULES. MISSION IMPOSSIBLE? Calor Inês, Magarotto Mateus	2868
COMMON VALUE: TRANSFERRING DEVELOPMENT RIGHTS IN THE FACE OF CLIMATE CHANGE CHALLENGES Dyca Besmira	2878
URBAN-LEGAL PARADIGMS SUPPORTING POST-MILLENNIAL EVICTION: THE ROLE OF THE COURTS IN DISPLACEMENT PRACTICES Jahn Verri Fernanda	2895



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 Jiang Hong	2909
LEGITIMACY CRISIS OF THE VILLAGE PLANNING IN CHINA AND ITS RESOLUTION Li Yanqun, Geng Hong	2916
LAND USE PLANNING, TOURISM INTENSIFICATION AND REGULATION OF SHORT TERM COMMERCIAL VISITOR ACCOMMODATION: THE CASE OF EDINBURGH McCarthy John	2932
EVALUATION OF THE LAND VALUE CAPTURE (LVC) EXPERIENCE IN THE CITY OF SÃO PAULO, BRAZIL Nobre Eduardo	2940
UNINTENDED OUTCOMES OF THE MARKETIZED HOUSING AGENDA IN SWEDEN: THE TROLLS THAT NEVER WERE INVITED WHO WE NOW HAVE TO DEAL WITH Norén Bretzer Ylva	2948
NEOLIBERAL GOVERNANCE AND ACCUMULATION BY DISPOSSESSION IN KARABURUN PENINSULA, IZMIR, TURKEY Özcan Cive Yagmur, Arslan Avar Adile	2964
MASTERS IN TRANSITION? Rezac VIT	2977
IMPLEMENTATION PROBLEMS OF SOCIAL AND TECHNICAL INFRASTRUCTURE IN TURKISH SETTLEMENTS Subasi Gulden, Sence Turk Sevkiye	2985

PA16 Tourism, public spaces and urban cultures

INTERRELATION BETWEEN INCLUSIVITY OF PUBLIC SPACES AND SOCIAL COHESION: METAMORPHOSIS OF A HISTORICAL PARK IN ANKARA, TURKEY Akkar Ercan Müge, Oya Memlük Nihan	2998
WHERE THE STREETS HAVE NAMES Barbieri Lorenzo	3005
TRANSITIONAL APPROACH FOR ENHANCING PLACE-BASED AND COLLABORATIVE POLICIES, TOWARDS AN EVOLUTIONARY DIMENSION OF COHESION POLICY Bevilacqua Carmelina, Cappellano Francesco, Ou Yapeng	3016
SPATIAL DISTRIBUTION CHARACTERISTICS OF CULTURAL TOURISM IN HISTORICAL REGIONS: A CASE OF SHAOXING ANCIENT CITY BASED ON POI DATA Cai Tong	3029
“WHAT ELSE?”: COMMUNITY PERSPECTIVES ON TOURISM-LED URBANIZATION IN SPITI, INDIA Chakravarty Surajit	3038
HOW WELL CAN PRIVATELY OWNED PUBLIC SPACES (POPS) FACILITATE SOCIAL INTERACTIONS IN TAIPEI CITY? A CASE STUDY OF THE COMMUNITY RESIDENTS' DAILY LIFE Cheng Wen-Chi, Chao Tzu-Yuan	3061
ANALYSIS AND RESEARCH OF URBAN STREET FUNCTIONS BASED ON GIS: A CASE STUDY OF XUHUI DISTRICT, SHANGHAI, CHINA Dai Luning	3075
BY NO PLACE TO PUBLIC SPACE: A NEW RESOURCE FOR CAPUA De Biase Claudia, D'Agostino Irene	3084
THE IMPACTS OF SHARING PLATFORMS FOR TOURISM ON SPACES AND COMMUNITIES: THE POSSIBLE ROLE OF PLACEBASED REGENERATION PROCESSES Daldanise Gaia, Esposito De Vita Gabriella	3103
READING THE CITY THROUGH THE LENS OF URBAN STANDARDS. THE CASE OF PONTICELLI, EAST NAPLES Franzese Alessia	3120



Table of Contents

ANTIFRAGILE PRACTICES TO DESIGN SOCIAL DIALOGUE IN CONTEMPORARY EUROPEAN PUBLIC SPACES Galimberti Beatrice	3131
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 Gao Yu, Wang Ziyao, Zhang Yunlu	3146
URBAN PUBLIC SPACE DESIGN FROM THE PERSPECTIVE OF ENVIRONMENTAL BEHAVIOR - A CASE STUDY OF THE ROUND-CITY-PARK IN XI'AN Gu Taiwei	3157
THE ROLE OF THE LOCAL IN IMPROVING COHESION AND SPATIAL JUSTICE Su Yuqian, Guo Yuchen, Wan Lu	3164
MUSEUM OF LONDON - A CITY MUSEUM IN TRANSITION Hebbert Michael	3174
SUITABLE RENEWAL AND SPACE ORGANIZATION METHODS OF HISTORIC TOWN IN THE TRANSITION PERIOD: A CASE STUDY IN CHINA Hou Wenjun, Ge Tianyang, Yang Jianqiang	3192
THE STUDY ON SPATIAL INTERVENTIONS FOR AGING COMMUNITIES IN TOURISM-ORIENTED HISTORIC DISTRICTS FROM THE PERSPECTIVE OF SPATIAL TERRITORIALITY Hu Ying, Lin Zhongjie	3201
SUSTAINABLE TOURISM AND PUBLIC SPACE - A CASE STUDY OF SKEPPSHOLMSVIKEN 6 IN STOCKHOLM, SWEDEN Jonsson Anna-Paula, Haas Tigran	3211
SUPPRESSING URBAN CREATIVITY: DISPLACEMENT OF THE ART SPACES OUT OF THE MAINSTREAM CULTURAL SCENE OF ISTANBUL Kahya Guzin Yeliz	3226
ALTERNATIVE URBANISM IN THE HISTORIC CITY CENTRE: A TRANSNATIONAL PERSPECTIVE ON THEORY AND PRACTICE Akl Ameera, Kamvasinou Krystallia	3237
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 Li Qianwen	3249
RECENT DEVELOPMENTS IN CULTURAL PLANNING AS AN APPROACH TO BUILD CREATIVE CITIES Kattimani Raghavendra	3261
RECORDING, EVALUATING AND MANAGEMENT OF TANGIBLE AND INTANGIBLE CULTURAL HERITAGE, THROUGH A DECISIONMAKING MULTI-CRITERIA ANALYSIS Linaki Eleni	3268
THE RESEARCH ON FORMATION MECHANISM OF THE RURAL RED CULTURE TOURISM INDUSTRY CLUSTER AND APPLICATION --- REFLECTIONS FROM THE COMPARATIVE ANALYSIS OF THE “REVOLUTIONARY RESORT” XIBAPO TOWN AND “GREEN DOT” DASHI TOWN Liu Shiqi	3274
“A STUDY ON THE DEVELOPMENT TREND AND TRANSFORMATION OF SHANGHAI AS A CREATIVE CITY IN THE 21ST CENTURY” Ma Xiaojiao , Wang Weiqiang	3287
UN HABITAT'S PARTICIPATORY INITIATIVE TO PUBLIC SPACE DESIGN INVOLVING RESIDENTS, REFUGEES AND LOCAL AUTHORITIES: THE CASE OF NABAA', BOURJ HAMMOUD, LEBANON Mady Christine	3299
ALONG THE RIVER CORMOR, RE-LINKING LANDSCAPES AND PUBLIC FACILITIES IN THE REGION FRIULI VENEZIA GIULIA Cigalotto Paola, Marchigiani Elena	3312
WHO LIVES HERITAGE: INVESTIGATION ON THE IMPACT OF TOURISM FLOWS AND HERITAGE PROTECTION IN THE USE OF PUBLIC SPACE Amato Chiara, Mondelli Francesca Paola	3335



Table of Contents

PUBLIC SPACE AS PROTEST SPACE: BETWEEN VISIBILITY AND INSECURITY Neumann Ute	3346
URBAN REGENERATION AND (OVER) TOURISM IN CHINA: EXPLORING ALTERNATIVE TRACKS IN SUZHOU'S HISTORIC CENTRE Nolf Christian, Wang Yiwen, Liu Mengchuan	3362
UNBALANCED DEVELOPMENT AND PERIPHERALISATION PROCESSES: A TESTING PHASE TO MAP STUDIES Oppido Stefania, Ragozino Stefania	3381
THE BUILT ENVIRONMENT AND ACTIVE LIFE-STYLES IN OLDER ADULTS: AN ANALYSIS OF THE LOCATION OF CARE SERVICES IN PORTUGAL Santinha Gonçalves, Wolf Jan, Costa Catarina	3394
NEGOTIATED PUBLIC: INVESTIGATING THE STREETScape OF BEIJING'S OLD CITY Sun Wenwen	3400
STUDY ON THE CHARACTERISTICS AND CHANGES OF STREET CULTURAL ATTRIBUTES IN MINGCHENG DISTRICT OF XI'AN Tian Bowen, Lei Yumen	3408
EXPLORING PORT-CITY RELATIONSHIPS THROUGH EVENT-LED URBAN REGENERATION Tommarchi Enrico	3423
SPACES FOR TOURISM, VENICE PLANNING TOPOGRAPHIES Velo Luca	3435
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 Xu Hui	3444
CHARACTERISTICS IN THE SPACE RESHAPING OF CREATIVE CLUSTER DURING GENTRIFICATION: THE CASE OF TIANZIFANG IN SHANGHAI Yang Yi	3452
PRIVATIZATION, MARGINALIZATION AND REUSE OF WATERFRONT SPACE IN NEW TOWN - TAKING ZHANGJIANG SCIENCE CITY ZHONGSHI UNIT AS AN EXAMPLE Zhang Shuhan, Zhang Hanghua	3461
"PRELIMINARY STUDY ON THE RENEWAL STRATEGY OF THE NEW ESTATE FOR WORKERS:FROM THE PERSPECTIVE OF PLACE-MAKING" Zhang Yuwei	3481

PA 17 Urban and Regional economics of transition

WOMAN LABOR IN TRANSITION PROCESS FROM AGRICULTURE TO INDUSTRY SECTOR Çetin Reyçan	3496
IS THERE A HOUSING SHORTAGE? A POST-KEYNESIAN ECONOMICS APPROACH TO THE FINANCIALISATION OF HOUSING IN ENGLAND Grace Richard	3507
THE ROLE OF TAIWAN'S INDUSTRIAL DIVERSITY IN REGIONAL EMPLOYMENT GROWTH - A COMPARATIVE STUDY ON DIGITAL ECONOMY INDUSTRY AND CULTURAL INNOVATION INDUSTRY Huang Chung-Chun, Lin Cheng-Yi	3523
FINANCIAL OR SOCIETAL RETURNS? EXPLORING THE AMBIGUOUS ROLE OF INTERMUNICIPAL ENERGY COMPANY FLUVIUS IN THE ENERGY TRANSITION IN FLANDERS Juwet Griet, Deruytter Laura	3536
EXAMINING THE REGIONAL SPATIAL SPILLOVER EFFECT OF HOUSING PRICE IN TAIWAN - AN APPLICATION OF HOUSING PANEL DATA Chen Yen-Jong, Tuan Pi-Wen, Liang Yung-Han	3553
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 Wang Xueyan, Zhou Yeyuan	3565



SP 18 Transition histories

PROGRESS IN THE NINETEENTH-CENTURY: PLANNING, BUILDING AND MANAGING THE MODERN URBAN INFRASTRUCTURES IN COIMBRA Calmeiro Margarida	3580
BACK TO THE PAST? TRAM CITY, MOTOPIA AND LIGHT RAIL COMMERCIALISM IN CANBERRA Fischer Karl Friedhelm, Weirick James	3590
ALBERTO SARTORIS: TRANSITIONS TO A POSSIBLE URBAN UTOPIA (1922-1989) Gavello Cinzia	3602
TWENTIETH CENTURY TECHNOCRACY - A TRANSITION ABORTED Hebbert Michael	3613
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) Leconte Uta	3627
THE TRANSITION URBAN PLANNING HISTORY OF LISBON METROPOLITAN AREA Marat-Mendes Teresa, Cunha Borges João	3635
NAPLES IN TRANSITION: A MULTIDIMENSIONAL DECISIONMAKING PROCESS FOR THE NAPLES PORT AREA SUSTAINABLE DEVELOPMENT Cerreto Maria, Regalbutto Stefania	3656
WHITE REVOLUTION: PLANNING SOFT TRANSITION TO STATE SOCIALISM Zaferani Azadeh	3669

SP 19 Urban tourism, neighbourhood change and social conflicts

PLACING SLUMS IN THE GLOBALIZED TOURIST CITY: A PERFORMATIVITY AND ACTOR-NETWORK APPROACH Altamirano Eugenia	3683
WHOSE HERITAGE? CHALLENGES COMING FROM TURNING CITIES AS TOURIST PLACES Calmeiro Margarida, Gonçalves Adelino	3698

SP 22 Planning and designing green infrastructures

GREEN INFRASTRUCTURE: FROM BENEFITS TO PLANNING Alberico Simonetta, Vayr Paola	3707
THE ANIENE RIVER: A GREEN INFRASTRUCTURE TO SET UP A METROPOLITAN STRATEGY D'Ascanio Romina, Palazzo Anna Laura	3720
MILTON KEYNES: THE "FOREST CITY" Forget Malaury	3728
WHEN CONSTRAINTS BECOME ASSETS IN THE DESIGN OF BLUEGREEN INFRASTRUCTURES: AN INSIGHT FROM TWO CASES IN THE WESTERN PART OF FRANCE (LOIRE RIVER BASIN) Fournier Marie, Bonnefond Mathieu	3741
FARMING IN A CITY WITHOUT FARMLANDS. CADASTRAL MAPPING OF AGRICULTURE IN TURIN AND EARLY ASSESSMENT OF MULTIFUNCTIONALITY VIABILITY Greco Mirko	3749
LANDSCAPE AND ECOLOGICAL NETWORKS IN URBAN PLANNING: TECHNICAL STANDARDS FOR IMPLEMENTATION La Riccia Luigi	3771



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 JERICO 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
Peaverini 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
Pezerini 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

TRANPOSITION OF ADVOCACY EXPERIENCE AS TRIPLE-LOOP SOCIAL LEARNING IN ALBANIA: FIGHTING HPDS IN PROTECTED AREAS FROM THE VJOSA RIVER BASIN TO THE CANYONS OF OSUMI	4024
Bekteshi Arba, Misha 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.	4295
PRINCIPLES AND PLANNING PARAMETERS	
Rampavila Mary, Avgerinou – Kolonias Sophia	
MANAGEMENT PLANS OF NATURA 2000 SITES AND COASTAL LAND USE PLANS:	4305
A STUDY CONCERNING AN INTEGRATED APPROACH TO MANAGEMENT OF COASTAL ZONES	
IN THE SULCIS AREA (SARDINIA, ITALY)	
Leone Federica, Zoppi Corrado	

SP 39 Shrinking cities and sustainability

DIALECTICAL UNDERSTANDING ON URBAN SHRINKAGE AND GROWTH IN CHINA:	4316
TAKING THE OLD INDUSTRIAL BASE CITIES IN NORTHEASTERN CHINA AS AN EXAMPLE	
Hu Qimin, Yang Fan	
A STUDY ON CHINA'S COUNTY SPORTS CENTER PLANNING STRATEGY	4329
FROM SMART SHRINKAGE PERSPECTIVE	
liang Bin, Wang Yang	
DEINDUSTRIALIZATION AND URBAN SHRINKAGE. ACHIEVING URBAN SUSTAINABILITY	4338
IN FORMER INDUSTRIAL CITIES IN FRANCE: THE CASE STUDIES OF NANTES AND SAINT-OUEN	
Toura Varvara	
DISCUSSION ON THE FACTORS OF SUSTAINABLE URBAN GROWTH IN SHRINKING REGION:	4357
CASE STUDY OF EUCALYPTUS HILLS IN THE CITY OF SAKURA DEVELOPED BY THE PRIVATE	
DEVELOPER YAMAMAN	
Uemura Tetsuji	
TIME SERIES OF URBAN SHRINKAGE ELEMENTS IN COALEXHAUSTED CITIES:	4380
A CASE STUDY OF TWO TYPICAL CITIES IN NORTHEAST CHINA	
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:	4400
PROMOTING SUSTAINABLE SETTLEMENT DEVELOPMENT IN URBAN REGIONS	
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	

Transformation of Grown City Centers

Elisabeth Schaumann¹, Christina Simon-Philipp²

¹*University of Applied Science, Stuttgart, elisabeth.schaumann@hft-stuttgart.de*

²*University of Applied Science, Stuttgart, christina.simon@hft-stuttgart.de*

Abstract: Urban district centers are key in supporting community life in European cities. The vitality of these centers is essential for the functionality not only of the districts but indeed the entire city. Many established city centers suffer a high adjustment pressure; formerly vital centers experience a loss of importance. In order to explore the hypothesis that the required transformation of those centers can only be positively affected by strategies of different actors, especially local actors, researchers conducted four case studies in German cities. The city centers examined throughout the study offer various challenges and opportunities, specific constellations of actors and different development options. The article analyses the role of transformation research, real-world laboratories and social innovations in the transformation of urban district centers.

Keywords: Transformation, Social Innovation, Transformation Research, Real-World Laboratories

Introduction

Established district centers bear an important meaning for community life in European cities. The vitality of these centers is of essential relevance concerning the functioning of the entire city. Grown city centers suffer a high adjustment pressure, former dynamic centers experience a loss of importance. There are various reasons for these developments: structural changes in retail, digitalization and e-commerce, changed mobility behavior of consumers, demographic change and so on. The consequences of these developments are for example underused commercial properties, high vacancy rates, and underused and neglected public spaces.

Principle thesis of the research project TransZ, Transformation of Urban District Centers (2017-2020), is that the required transformation of those centers can only be positively affected by strategies of different actors, especially local actors. In order to explore the hypothesis, the research is based on different case studies in German cities. The city centers examined throughout the study offer various challenges and opportunities, specific constellations of actors and therefore different development options. The article will discuss the different interests and opportunities of action the actors in urban district centers have and in how far urban real-world laboratories can help to initiate social

innovations. These are in this case, broadly speaking, understood as new solutions, which meet social needs, improve capabilities, relationships, and optimize the use of resources.

Research Project TransZ

In the research project TransZ (cf. www.transz.de), different real-world laboratories were set up to test alternative methods of center development and to possibly initiate social innovations. The project is funded by the Federal Ministry of Education and Research (BMBF) as part of the flagship initiative “Zukunftsstadt” under the funding stream “Sustainable Transformation of Urban Spaces”. As part of the project 4 institutions (HafenCity University Hamburg and University of Applied Science Hamburg, University of Applied Science Hildesheim / Holzminden/ Göttingen and University of Applied Science Stuttgart) collaborated over a 3-year period of time (2017-2020) to identify and strengthen transformative forces in the city centers. Specific approaches to accompany transformation processes positively and to improve the situation in the centers sustainably have been developed with local actors. The universities have been deepening their work in the project areas themselves as well as in thematic research areas such as public space and planning processes or self- organization and governance in center development.

Importance of Grown City Centers

Not all cities and districts profit from the spatial processes of urban development such as growing population or rising real estate prices. Grown city centers for example suffer a high adjustment pressure, former dynamic centers experience a loss of importance. Especially local supply centers, urban district centers and outskirts of central positions suffer a high loss of function. There are various reasons for these developments: structural changes in retail, digitalization and e-commerce, changed mobility behavior, demographic change and so on. However, urban district centers bear an important meaning for community life in cities. The vitality of these centers is of essential relevance concerning the functioning of the entire city.

As place for identification in the daily life of residents and community, district centers fulfil multiple functions. They are places of social cohesion, economic viability and cultural innovations (Bundesministerium des Innern, für Bau und Heimat (BMI), n.d.). Structural change adversely affects centers resulting in multidimensional challenges. City centers are a focus of scientific, technical, economic and social development, but they are also the place of social and ecological problems and structural changes (Frauns and Scheuven, 2010, p. 10). Challenges resulting from changes in economic structure reach far. Many commercial spaces no longer appear interesting for investors under the current requirements of building structure and location. Extensive concentration processes, the growth of retail floor area and a simultaneous thinning of the shop network makes small units unattractive for investors. As a result, they remain vacant and may be converted into flats. Another reason for structural change is the expansion of discounters and large chains with which smaller, locally owned shops are often unable to compete. Large-scale retailers are located at the outskirts of cities, are easy to reach by car and offer free parking. E-Commerce is putting owner-managed commerce under pressure as well, while e-commerce turnover in 2008 was 12.6 billion euros, it rose

4fold to 53.4 billion euros in 2018 (Frauns and Scheuvens, 2010, p.10, Bundesministerium für Wirtschaft und Energie (BMWi), 2017, p. 2, Handelsverband Deutschland (HDE), 2019). Many centers are in danger of becoming deserted (BMWi, 2017, p. 2). Shop vacancies lead to a loss of attractiveness, a reduction in turnover and frequency and soon to a loss of image. This results in a loss of customers and a loss of value of the property. Vacancies are therefore a major problem for centers (Greipl, 2007, p. 16f).

Another challenge is the urban space. Pedestrian precincts are for example an important part of urban space, they are economically very important but the aesthetics are not meeting today's expectations anymore. Public space is central in European cities, new concepts are required to meet the needs of all generations. Contemporary solutions are important; the diversity of the European city is endangered if urban planning solely keeps to traditional top-down planning processes. It is an important space for example for social needs and integration; therefore, it is for example important that public space allows encounters (Frauns and Scheuvens, 2010, p. 13f). Some of these challenges can end up in trading-down effects if nothing happens. Trading-down effects result in a reduction of company costs in order to be able to survive in the local market. Consulting services are reduced, the staff is reduced, and pound stores set up. This can also happen due to a mismatch between supply and demand. Productivity per unit area has fallen; an oversupply of sales areas that are no longer marketable emerges. This often leads to a downward spiral outside the prime locations (Achten, 2017, p. 66f). Secondary centers are the big losers of these developments. Centers with an extensive business area and a lack of space for larger units are particularly at risk. Customers are switching to other options. This also weakens the secondary center as a residential location. Occasional purchases are not enough to let retail trade survive. A loss of significance and function, "erosion processes" in smaller cities, decentralized secondary locations, or even in suburban areas are the result (Fischer *et al.* 2011, p. 26, Oswalt *et al.* 2014, p. 10). Urban development policies can strengthen the diversity of land use in these centers using investment and non-investment measures, but the success is not always permanent. In Germany, urban development funding is very important for urban development in general, but especially for urban district development. There are various support programs, which aim to address a variety of difficulties - structural, functional and social. The federal government grants financial assistance in accordance with article 104b of the constitutional law, which is supplemented by funds from the federal provinces and the municipalities (Städtebauförderung, 2019).

Transformation Research

Sustainable development is a challenge for the entire society. Research has been trying to find new options and solutions for sustainability problems in fields of, for example, economy, consumption, mobility or energy. The awareness of transformation processes in sustainability research has grown. New concepts are being developed to get scientific findings as well as socially robust information to initiate concrete solutions. Exemplary research fields dealing with the transformational processes are sustainability science (e.g. Kates et al 2001), transition studies (e.g. Markard et al 2012), resilience research (e.g. Olsson et al. 2014), social innovation sociology (e.g. Westlex et al. 2013), political science, future studies, and psychology (e.g. Haum and Pilardeaux 2014, Heyen and Brohmann 2017, Patterson *et al.* 2015). Scientists work together with practical actors to integrate their concerns, knowledge, and competencies in research processes (Schneidewind, 2014, p. 1, Wittmayer and Hölscher, 2017, p. 13, Rose *et al.* 2018, p. 2). In international context "sustainable transition

management” (e.g. Grin *et al.* 2010) has become more popular, in national context, talking about Germany, transformation processes and corresponding research was promoted through the main research report by the scientific advisory board of government global environmental changes (WBGU) about “great transformation” (Schneidewind, 2014, p. 1, Wittmayer and Hölscher, 2017, p. 13). Transformation research can be understood as a research perspective that studies complex and pervasive societal problems. Fundamental societal change processes and dynamics are supported towards sustainability. Wittmayer and Hölscher (2017, p. 15) define transformation research as follows: “Transformation research studies and supports fundamental change processes of societal systems towards sustainability from a scientific perspective. These research goals require both, descriptive-analytical as well as transformative research approaches, which yield conceptual and actionable knowledge through trustworthy, transparent and reflexive research processes. The complementary research foci of transformation research include the objects of transformation (what changes over the course of a transformation), the change dynamics of transformation processes and emerging transformation pathways (how do transformation processes occur), and the drivers of transformation processes (by whom/how are transformation processes supported). “(Wittmayer and Hölscher, 2017, p.15)

Apparently, appropriate research is a challenge. It has to be organized transdisciplinary, as the design of transformation processes asks for a combination of system knowledge, target knowledge and contextual- and actor specific knowledge. There is an active debate about the right usage of research methods for studying and supporting sustainability transformations (Schneidewind, 2014, p. 1f, Wittmayer and Hölscher, 2017, p. 13f). At this point, classical methods of observation and modulation reach their limits, as the examined processes ask for knowledge about specific transformations (Schneidewind, 2014, p. 2). For this reason, social- and economic sciences experience an experimental turn. New ways of research help to improve classical observation and model-based approaches (Schneidewind, 2014, p. 2, Schöpke *et al.* 2017, p. 1.). In transformation research, different methods like research diaries, system analysis, hackathons, knowledge hubs, real-world laboratories or participatory action research are used, to just name a few of them. Each method has the potential to contribute to transformational research, yet a combination of methods enables the integration of different research topics (Wittmayer and Hölscher, 2017, p. 21ff). Moreover, the knowledge about social transformation is simultaneously affecting the community, as scientific knowledge influences the processes. A classical observation-system-division is not possible anymore. Transformation researchers are part of the explored transformation processes (Schneidewind, 2014, p. 2).

Transformation research wants to trigger a change; it is about developing creative and reflexive skills in dealing with transformation processes both in science and in society as a whole. The so-called “transformative literacy”, describing the enabling of civil, political and economic actors to promote circumstances for sustainable oriented changes, is still at the beginning. These circumstances arise, for example, when people learn from each other within the framework of the research process or also from the input / intervention of the researchers (Schneidewind, 2013, p. 82, Schneidewind, 2014, p. 1, Parodi *et al.* 2016, p.17). Regardless of scientific research, transformation processes are not giving satisfactory evidence about mechanisms of successful transformation processes. One possibility to improve the understanding of causal links in these systems are scientific guided interventions in a real political, social and societal context (Schneidewind, 2013, p. 82 ff, Schneidewind, 2014, p. 2).

Real-World Laboratories

To improve the understanding of transformation processes, real-world laboratories are part of the research project TransZ.

In general, the usage of real-world laboratories in transformation research is in vogue. Still, real-world laboratories and the connected research “are new concepts, and therefore not yet clearly defined” (Parodi et al. 2016, p. 9). According to the frequently used and very popular definition of real-world laboratories in Germany by Schneidewind (2014, p. 3). They are based on the idea of real-world experiments and are a hybrid kind of experiment, lodged in between knowledge production and knowledge application as well as controlled and situation-specific conditions (Schneidewind, 2014, pp. 2 f, 6, Beecroft and Parodi, 2016, p.4, Schöpke et al. 2017, p. 1). Real-world laboratories form the context for real-world experiments; their aim is an improvement of knowledge about sustainable oriented transformation processes and the initiation of sustainable oriented transformation processes. Participatory methods like real-world laboratories generate conceptual and actionable knowledge (Schneidewind, 2014, p. 2f, Schöpke et al. 2017, p. 1f, Wittmayer and Hölscher, 2017, p. 25). Urban real-world laboratories are very important to study social change processes. It is easier to study social processes of change on the city level, as all technical structures can be found and the area is still not as big as entire countries. Besides that, cities are an easier reference object than entire countries. The complexity of cities is still manageable, socio-technical dynamics can be observed easier. Furthermore, cities are the origin of cultural changes, changing lifestyles and therefore an appropriate place for experiments. Macrosocial developments can be observed and be scaled to higher layers (Schneidewind, 2014, p. 3, Schöpke et al. 2017, p. 4). Urban real-world laboratories on district level study process happening in the districts more closely. Thereby effects of cultural identities and social diffusion processes can be observed. By a worldwide comparable substructure of cities in districts of comparable size, results from district related real-world laboratories enjoy a high degree of comparability (Schneidewind, 2014, p. 4).

Real-world laboratories have to fulfill some criteria: First, they have to be oriented towards civil society. The co-design and co-production of the research process have to happen with the civil society and societal actors, whereby all actors have to understand the (in real-world laboratories indispensable) transdisciplinarity of the process. Furthermore, the real-world laboratory research design has to have long-term support and orientation, must be continuously methodically reflected, and the research support has to be coordinated by institutions with experience in transdisciplinary processes. The process has to have laboratory character, which means that the required physical and personal research infrastructure of the transdisciplinary experiments is guaranteed. If these characteristics are fulfilled, real-world laboratories are more likely to generate value and innovation for the society (Schneidewind, 2014, p. 3, Parodi *et al.* 2016, p. 7 f, Schöpke *et al.* 2017, p.3).

The characteristics of real laboratories already described make clear how time-consuming the process is and how high the flexibility requirements are (Parodi *et al.* 2016, p.6). Real-world laboratory research is just at the beginning and there are many questions and challenges (Beecroft and Parodi, 2016, p. 5). One of them is context dependency and the limit of controllability of boundary conditions. The fundamental difference between a real-world laboratory and a classical laboratory is the partial controllability of boundary conditions. The higher the context- and situation dependency of real-world experiments are, the lower is the transferability of findings. A rebalancing of research

interest and situation dependent transformation profits of practical actors is necessary (Schneidewind, 2014, p. 4). Another challenge is the transferability of outcomes; they differ from classical quantitative empirical social research (Schneidewind, 2014, p. 4). Furthermore, the appropriate integration of actors is difficult. Research in real-world laboratories needs cooperation with practical actors in the transdisciplinary processes, meaning discussions between practical actors and researchers on an equal footing. It is important that practical actors do not feel like the object of research (Schneidewind, 2014, p. 4). Lastly, the terminology is quite important. The usage of the word real-world laboratory is subject of a controversial debate. Classical laboratory research rejects the term, as real-world laboratories do not fulfill the constitutional conditions of a laboratory – that is controllability. Despite the status of development and the justified concerns about the approach, real-world laboratories are an interesting methodical extension to improve the understanding of complex transformational processes in society. More experiments with real-world laboratories are needed (Schneidewind, 2014, p. 5, Parodi *et al.* 2016, pp. 6-9).

Social Innovations

To understand, in how far real-world laboratories can help to initiate social innovations, a short glance at social innovations is indispensable.

Social innovations can be very diverse; and there is no universally agreed definition (Rückert-John *et al.* 2014, p. 9). The social innovation academy (www.socialinnovationacademy.eu) hosts a blog which provides eight different definitions; the approaches differ by their ways of consideration. That is how it happens that for example the meeting of social needs, a change in daily routines, the generation of value primarily for society or empowerment /political mobilization are the focus of the definitions. The Young Foundation (2012) used a general approach for their definition of social innovation: “New solutions [...] that simultaneously meet a social need (more effectively than existing solutions) and lead to new or improved capabilities and relationships and better use of assets and resources.” They also emphasize that “social innovations are both good for society and also enhance the society’s capacity to act.” Wigboldus (2016) made a very clear definition, it includes innovations, which emerge in the social realm of experienced reality, innovations which are “about new ways in which people interact and about new ways in which people interact with their environment” (Wigboldus, 2016, Balamatsias, 2018).

So the variety of different initiatives, projects or new production and consumption practices calling themselves social innovations or being called social innovations are emerging out of recent trends as sharing economy, collaborative consumption, DIY and Upcycling. These attempts have in common that they take action against the rising number of European societal challenges like throwaway mentality, anonymity, alienation, energy- and resource waste, refugee crisis or unemployment, which are all problems of our society (Rückert-John *et al.* 2014, p.6f, Max Weber Institut für Soziologie, 2015, Balamatsias, 2018). However, as a big social transformation is just possible if everyone in society is involved and willing to change habits and mindsets, everyone has to get involved. As social innovations develop out of the community as reactions to existing problems, they are likely to spread fast and get a high acceptance throughout the community. For this reason, politics is very interested in social innovations as well; social innovations became for example central points in the political program of the EU. The research program “TEPSIE – The Theoretical, Empirical and Policy Foundations for Building Social Innovation in Europe” for example has been focusing on strategies to

promote innovative solutions for social challenges in the EU since 2012 (Max Weber Institut für Soziologie, 2015, Rückert-John *et al.* 2015, p. 25).

Categorizations of social innovations are as diverse as the individual definitions. Socio-juridical, socio-political, socio-economic, etc. are categories describing the thematic background of social innovation (Wigboldus, 2016). A typology is also imaginable based on the “internal characteristics” of the single innovations – for example., the level of self-initiative, sense of community, level of innovation, formality or prevalence. Depending on these “internal characteristics”, the procedures to initiate, develop and promote social innovations are different (Rückert-John *et al.* 2014, p. 9ff). And, of course, different social innovations can bring about different degrees of change. A social innovation could be about a slight change, for example a new management process, but others might be about new ways of for example doing research and therefore involve a radical change (Wigboldus, 2016).

To further develop, some innovations need seed capital, others need strategical support, for example contact to companies or assistance with the removal of impediments, for example obtain permits from the administration. Support in public relations helps all of the innovations; in this case, it is just important to figure out which target group wants to be reached. Nevertheless, as all innovations are very different, they all need different foci and combinations of foci; this also depends on actor constellations in the project (Rückert-John *et al.* 2014, p. 11, Rückert-John *et al.* 2015, p. 80).

In the real-world laboratories in TransZ, different kinds of social innovations developed out of the needs of the inhabitants. To actually activate existing potentials and to focus on existing problems in the urban district centers, the process was designed very openly.

Real-World Laboratories and Social Innovation in the Project TransZ

The University of Applied Science Stuttgart (HFT) initiated real-world laboratories in two different centers in the greater Stuttgart area. After introductory talks with representatives of the city administration, interviews with key personalities in the urban districts were conducted by which further motivated multipliers were identified. People with different backgrounds and perspectives could be won for the process: Residents, retailers, restaurant owners, representatives of social institutions, artists, etc. got involved in the process. They were invited to so-called "steering groups" to exchange ideas about the future of their district center, to develop actual ideas they could realize on their own and to initiate projects. Invitations to official meetings were sent by mail and e-mail, were published on the project website, in the local newspaper and communicated by the already existing participants.

The role of the city administration is very important. In the real-world laboratory, Stuttgart Wangen (S-Wangen) the University of Applied Science Stuttgart invited interested people to the first meeting, but from the very beginning, the city administration assured support in the process. They offered a room for the meetings, attended the meetings without making demands and even organized an information session about the planned real-world laboratory process. Still, the real-world laboratory process was clearly connected with the University of Applied Science Stuttgart, the city administration was in the background. The University of Applied Science Stuttgart set up the communication structure, invited to interviews, designed the real-world laboratory process, etc. This

trust of the city administration in the University of Applied Science Stuttgart led to the fact that new committed people in the urban district were reached due to the changed communication structure.

In Fellbach, the location of the second real-world laboratory of the University of Applied Science Stuttgart, the city administration did not support the real-world laboratory process as strongly as for Stuttgart-Wangen. There were no rooms offered, no attendance on meetings without clear communication about the importance of the attendance, no extra information about the real-world laboratory process. Nevertheless, the people in Fellbach were still interested in the real-world laboratory and attended the first meetings.

During the meetings, it became obvious, that the majority of those involved were willing to play an active role in the real-world laboratory process. In both real-world laboratories, the first self-organized processes already developed during an initial “idea development phase”. The ideas in the real-world laboratories are very different; they have been developing in the course of the process.

In S-Wangen for example, a homepage was created to improve the presentation of the district's potential, a city game for networking and education was initiated, a building workshop for the redesign and revitalization of a central square was carried out and a non-commercial flea market was organized. In addition, various temporary interventions were carried out in one of the real-world laboratories under the title "Talking Streets". An international and interdisciplinary team of students made "city stories" visible, pointed at deficiencies and articulated wishes of the residents. The interventions were an important part of the debate about the future of the center, which is developing from a former village center to a place of intercultural coexistence. For example, lunch was taken together on temporary furniture, several creatively designed "communication boards" in the district were used to ask about the district's potential in different languages, an oversized local newspaper was used to stimulate conversation or a temporary "blasting device" was used to draw attention to a disturbing fence. It was noticeable that the acceptance of the interventions decreased over age. There was little understanding on the part of many elderly in the district, whereas children participated in the different actions, were not too shy to write their thoughts on communication boards, etc.

The focus in Fellbach was different; participants there designed a new logo and developed a shopping guide for the area. Furthermore, the group discussed some ideas about a better connection between different actors in the area but did not develop them further.

If one compares the two districts, the different spectrum of the ideas becomes visible. The social innovations developed in the real-world laboratory S-Wangen did not need much support from the University of Applied Science Stuttgart, the mixed group focused on many different aspects including history, education, urban design, etc. In Fellbach the group was mixed as well in the beginning but changed to a single retail-oriented group throughout the process. As a result, the actually developed projects focus solely on retail issues. In contrast, the district S-Wangen is not just about retail, it is a mixed district next to an industrial area where people live, work, go to school. The examined part of Fellbach is a mixed district as well, but the persons working in retail relate most to the street itself. Surrounding inhabitants, cultural or educational institutions rather relate to the entire city and not to the examined district center. Therefore the sense of responsibility for the street of the retailers is much bigger than from other, for example, institutions or inhabitants.

Conclusion

During the process, a number of findings could be ascertained.

It was important to trust in the ideas of the participants and to transparently communicate with all participants. The municipality (city administration and local city policy) has a central role to play. Without the trusting atmosphere created by the city administration in Wangen throughout the years, the various interested people would certainly not have been so motivated to participate in their center in the long term. In Fellbach the sustainability of the developed ideas is in jeopardy, there is not such a trusting atmosphere as in S-Wangen; it is rather an atmosphere of mistrust. Especially if the sense of responsibility for the area is rather limited, as it is in Fellbach, the role of the municipality is even more important. The neutral role of the University of Applied Science enabled a positive real-world laboratory to start in both areas. However it is not possible for a University of Applied Science to reorganize retail in a shopping street, social innovations would have to happen on a different level in this case. This is also not possible for retailers on their own; in this case, the municipality plays the most important role. Therefore, besides seed capital, strategic support, removal of impediments or support in public relations, sustainable social innovations need support and trust on the part of the city administration.

Of course, it must also be discussed how the individual people were addressed and which type of activation seems to be the best to motivate people to become part of the transformation process. The direct contact to first multipliers and the further contacts developing out of the interviews were very good to get an overview and the trust of the participants. This personal atmosphere motivated both sides, the University of Applied Science Stuttgart and the participants. On the other hand, the anonymous communication boards also activated many people to write down their opinion. The mix of methods – in this case, classical interviews and different kinds of urban interventions – could reach a wide mass. A mix of methods is recommendable for every project, only in this way numerous opinions can be captured and thus a greater acceptance in the population be generated.

The small administrative structures in the Stuttgart area further facilitate social innovations in urban district centers. Every urban district has its own district governor, thus it is easier for the citizens to talk to a responsible person. Moreover, it is easier for the district governors to “care” for their district and stay on top of things as the size of the area is manageable. These district governors have in turn better contact with the town hall than citizens have and therefore can achieve support for the social innovations in the district more easily. Nevertheless, this does not mean, that real-world laboratories are suitable and effective only on district/quarter level. It depends on the topic the real-world laboratory aims at, some topics (e.g. socio-technical dynamics) need the real-world laboratories on city level and for other topics (e.g. cultural identities), district level is enough (Schneidewind, 2014, p. 4).

Social innovations are highly dependent on diverse interests in the group. The different actor constellations, of course, led to different social innovations in the districts. Different professions, different ages, etc. result in different interests, lead to, for example, different abilities, and different amounts of time for the project. In the end, the thematically mixed oriented group in S-Wangen was very productive, as different interests met each other and therefore ideas could grow. Of course, there are also inconsistencies in this process, but they have to be accepted as part of the process

(Wigboldus, 2016). The participants developed social innovations that have value for a large part in society, not just for one group. In Fellbach the thematically one-sided discussion led to a potentially possible solution of one problem, but not to social innovations. Different opinions have to be discussed, different people have to find a problem or potential in common – this is what social innovation is about - not the generation of profit for retailers by designing a new logo or shopping guide.

The research project will continue to focus on these issues; there is more need for research.

Social innovations have the potential to support a sustainable transformation in urban district centers. Within the framework of a real-world laboratory process, the advantage of external support is added. An institution like the University of Applied Science Stuttgart can bring different people together, make them discuss their needs and the potentials of the urban district and thereby function as a catalyst for social innovations. Especially in urban district centers, it is important to support social innovations, they are places of daily routine, places where people live and not just go to work to, and therefore places for social innovations to happen. Many challenges can be solved best on the urban district level, but they have to be discussed with many different persons and need support and trust from the city administration. Top-down and bottom-up urban development are no opposites anymore but should be used to complement each other.

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