FOLLOW-UP REPORT
UNESCO City of Design Subnetwork Meeting 2020
October 5th – 7th 2020

Online Panel Discussions
Social – Smart – Sustainable

Organized by the city of Graz
Supported by the city of Saint-Étienne

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Introduction

The rapid growth of cities has confronted them with similar challenges worldwide. They should be social, sustainable and "smart". These three topics were the focus of the UNESCO City of Design Subnetwork Meeting 2020, which has been hosted by Graz in cooperation with St. Etienne. Due to the ongoing COVID-19 crisis, this year's subnetwork meeting has been held online from October 5th to 7th 2020.

In addition to the internal programme of the UNESCO City of Design network, which includes 40 cities worldwide, the subnetwork meeting has been completed by panel discussions on the three topics of interest. Each day, one of the topics of social design, smart cities and sustainable cities has been discussed with international experts.

The panel discussions took place in a hybrid form: Partly in a studio in the city of Graz and partly online via Zoom and Skype. In this framework, panellists in Graz discussed with virtual guests all over the world. Moderator Hansjürgen Schmölzer guided through the programme. As an open to public format, the discussions were streamed live on YouTube on the account "UNESCO City of Design Meeting 2020". All panel discussions can be re-watched there.

For additional information, please visit the Website or the Facebook-page by City of Design Graz.

Day 1: Social Design

October 5th 2020

In ever faster growing cities social differences and social isolation are increasing and cultural identity is getting lost in rapid urban growth. How can social design positively influence and shape the social fabric and quality of life in a city? On the first day of the UNESCO City of Design Panel Discussions, October 5th, Andrea Paoletti, Sofija Kaljevic, Karl Stocker and Rainer Rosegger aimed to determine how social design can contribute to shaping the social coexistence and quality of life in a city. Designing frameworks for community based social development processes, the role of the designer itself in the process and the intersection between social sciences and design were the topics of interest.

The Relational Age – Design to connect things, people and places
In his Keynote Speech "*The Relational Age – Design to connect things, people and places*" Andrea Paoletti talks about relational design processes that aim to connect people with relational social purpose. Andrea Paoletti uses a methodology called co-creation or co-design, in which people are always involved from the beginning of the process. In his work, he always starts with listening to people, involves the community and tries to encourage their creativity.

Sofija Kaljevic agrees that the key lies in working with the community. In her work she focuses on the visibility of people to act in public space, collectivism in public spaces and the question of freedom, especially in times when many public spaces are privatised and/or commercialised. "The design of public space must be tied to the specific context, cultural heritages and economic systems of the city. There is not one tool to fit all circumstances", says Kaljevic.

The reconquering of the public space is a crucially political question and needs to go bottom up as well as top down. In his educational work, Karl Stocker teaches his students to "use design as a tool to change society" and find solutions for problem-oriented design. Karl Stocker differentiates between Social Design and Socio-Design: "While Social Design has more of a charity character and uses design to support socially deprived groups, Socio-Design works within the structure of a society and aims to force a process of social change."

According to Rainer Rosegger it is important to work interdisciplinary when designing these processes of social change. He raises the question: "Which technology can we develop in the sense of integrated urban development?". In addition to local initiatives like cooking cooperatives, urban gardening projects or the reactivation of peripheral regions, the questions of city traffic and shared spaces as well as the reactivation of shops with artistic and social purposes are of significance when creating inclusive city centres and public spaces.

Panel Discussion on YouTube: www.youtube.com/watch?v=kVjOSozyo8g

Theme film: www.youtube.com/watch?v=K20nS5a6QIQ

Keynote Speaker: Andrea Paoletti (IT)

Andrea Paoletti is an architect and social designer from Matera in the south of Italy with a focus on designing spaces for change, generating and activating communities. He guides, involves and accompanies his clients throughout the design process, taking care of every detail in a meticulous way, managing and coordinating the work with other professionals and responding to budget needs.

As an entrepreneur, Paoletti co-founded Casa Netural in 2012, the first rural coworking and coliving space in Italy. In 2018 he co-founded Wonder Grottole, a social enterprise to rehabilitate the historic center of a small Lucanian village and Netural Coop, a consulting company for the enhancement of the unexpressed potential of the territories.

Andrea Paoletti © Domenico Maiorino

Paoletti was project manager of Mammamiaaa, the official project of Matera - European Capital of Culture 2019. Starting over as a designer in 2009, he worked alongside entrepreneurs to develop their ideas and projects, with open innovation processes, involving a vast personal network of professionals.
His research and publications focus on issues of living, co-design, social innovation, community building, co-creation, urban regeneration and rural villages.
www.andpaoletti.it/en

Panel Guests
Sofija Kaljevic (AUS)

Sofija Kaljevic is an architect, educator and qualitative researcher in the field of architecture and built environment from Serbia. Her research lies in the field of architecture and built environment as well as integral design. She currently works as a research assistant at the Deakin University in Geelong, Australia and is a permanent member of the MInd – Lab for Mediated Intelligence in Design.

Her research interests are positioned at the intersection between recorded histories of urban public places and peoples' personal life-story narratives created through utilization of these spaces.

www.sofijakaljevic.com

Karl Stocker (AUT)

Karl Stocker is a historian and exhibition director from Graz, Austria. He is head of the department Exhibition Design and Information Design at FH JOANNEUM - University of Applied Sciences Graz and professor at the Graz University. He was lecturer at several national and international Universities such as the Berlin University of the Arts, Yildiz Technical University Istanbul or Kassel University.

In 1990 he founded Bisdato Exhibition & Museum Design and directed numerous exhibition projects. He is author and editor of several books and scientific contributions as well as manager of scientific research projects and ambassador of Graz UNESCO City of Design.

www.fh-joanneum.at/en/university/person/karl-stocker
bisdato.com

Rainer Rosegger (AUT)

Rainer Rosegger is a sociologist and lecturer at the Technical University Graz and University of Graz, Austria. He is founder of the agency SCAN, which operates as a research and consulting company in urban and regional development. Rainer Rosegger works on processes of societal transformation, in which art and culture oftentimes play a special role.

He is actively involved in community projects such as the Lendwirbel in Graz or the Rostfest in Eisenerz. As of 2017 he is part of the management committee of the European research and development network "From Sharing to Caring: Examining Socio-Technical Aspects of the Collaborative Economy" of the European Science Foundation.

www.scan.co.at
rosegger.wordpress.com

Best Practices

Erica Elk, Capetown / South Africa – The Better Living Challenge

The Better Living Challenge (BLC) is a series of challenges that aim to surface design innovations, supporting the improvement of living conditions in low-income communities. The BLC2 explores how to enable the incremental upgrading of informal settlements - improving the comfort and quality of life of over 850 000 people that live in them in the Western Cape.

betterlivingchallenge.co.za

Kris Dekeyzer, Kortrijk / Belgium – Urban Design Tripod

Public space that is inviting and creates a well-thought-out interpretation for residents and visitors is increasingly gaining in importance. The Urban Design project works on creating public spaces together with municipalities, stakeholders, designers and companies – starting from 5 specific needs or opportunities in the public space and then developing them in co-creation.

www.tripod-design.eu/urban-design-2

Projects mentioned

Mammamiaaa UNESCO
On the weekend in advance of the Subnetwork Meeting, Mammamiaaa UNESCO dinners were held by hosts in Graz and online guests from different UNESCO Cities of Design. An experience designed to meet informally, get to know Creatives from Graz and connect over food.

The Mammamiaaa Dinner concept originates from a project coproduced by Matera 2019, European Capital of Culture and Casa Netural. Mammamiaaa celebrates food and relationships, it tells the stories of territories, culinary traditions of families and connects generations through shared meals. Until today thousands of Mammamiaaa dinners across Europe were held.
www.mammamiaaa.it/en

Casa Netural
The first coworking and coliving space in Italy.
www.benetural.com/en_GB

Wonder Grottole
An experimental project that involves and connects people and energies from all over the world.
www.wondergrottole.it/en

Experiencing (In)tangible Heritage through eXtended reality (XR)

Case study of Western Beach Boat Yard Reserve, Geelong Waterfront.
mindlab.cloud/experiencing-intangible-heritage-through-extended-reality-xr-case-study-of-western-beach-boat-yard-reserve-geelong-waterfront/

Human Cities – Challenging the City Scale
Between 2014 and 2018 experiments were conducted in eleven European cities investigating ways in which people could reinvent and share in shaping their city.
humancities.eu

CUCULA / Berlin
CUCULA sees itself as an experimental design space in which social challenges are met with pragmatic and solution-oriented action.
www.cucula.org/en

garbage.city.death, Graz / Austria
Can citizens win back the future by repairing their city?
www.kulturjahr2020.at/en/projekte/garbage-city-death-eine-stadt-reparieren

LABattoir, Thessaloniki / Greece
LABattoir's mission is to introduce a new conception of creativity, to invent new activities and practices, and engage artists and creative citizens with art, design and new forms of "social practice".
www.labattoir.org

Related Publications

Kaljevic, S. (2020). City Squares as Places of Social (Dis)appearance: How Separation of Action and Speech in Public Space Lead to Erosion of Public Life. ISPA 2020 Conference: Public Space: the Real and the Ideal.

Kaljevic, S. (2018). Exploring Memory of Place and Place-Identity Through Narrative Inquiry: Case Study of Partisans' Square in Uzice, Serbia. Doctoral Dissertation. Available from ProQuest Dissertations and Theses database. (UMI No. 10845561)

Kaljevic, S. (2018). The Role of Generational Memories in Remembering of Open Public Spaces: Case Study of Partisans' Square in Uzice, Serbia. CELA Conference, Blacksburg, VA.

Stocker, K. (2017). Socio-Design: Relevant Projects – Designed for Society. Basel. (ed. with FH JOANNEUM)

Stocker, K. (2013). The Power Of Design. A Journey through the 11 UNESCO Cities of Design. Wien-New York.

Day 2: Smart Cities

October 6th 2020

A number of urban development projects around the world have been launched under the term "Smart Cities" in recent years. Behind these are diverse and often widely divergent considerations of how to design a city in such a way that it is as "smart" as possible for a wide variety of tasks. On the second day of the panel discussions Charles Landry, Sybille Bauriedl and Reni Hofmüller discuss about why digitization and smart city processes need to match the local conditions and competencies of a city and why data and data infrastructure should be in the hands of local stakeholders, instead of smart technology companies.

Smart Cities – Digitization, collective intelligence and the bureaucracy
In his keynote speech "Smart Cities – Digitization, collective intelligence and the bureaucracy" urban research pioneer Charles Landry explains why collective intelligence is crucial for urban development and what kind of optimization we should be trying to reach with smart city projects. "Many top down smart city projects failed to deliver their promises. Collaborative technologies are a better way of going about things, they enable people to be shapers and makers of their own cities." Landry would like to compare the city to an organism, much more than a computer. "I'm not sure I want the computational logic to be the driver of how we see, build and rebuild cities forever. Anything that is about cities, and if it's technology especially, needs a purpose. And that purpose needs to be an ethical one," says Landry.

But which social impacts do these digitization processes have? Sybille Bauriedl, geographer and urban researcher, mentions the importance of data sovereignty and the transparent use of technology. "The present orientation of smart cities has a counterproductive effect on social and ecological sustainability. In the first run it is huge technology and infrastructure that is not oriented to the demands and recent situation of social injustice in cities," Bauriedl explains. "The starting points are the interests of huge IT companies, that are invited to implement their strategies of the future city." According to Bauriedl, we need a deep network of as many cities as possible that work together to create open source technology and use their collective intelligence. Then smaller cities with little budget and little administration could resist the lobbying of big tech companies and can still succeed.

One way to counteract this development is to work with open source technology and use collective knowledge to become independent from tech-companies. "One part of the city budget should go into the digital infrastructure in order to be independent from companies. Because political institutions shouldn't be dependent in their essential infrastructure," says artist Reni Hofmüller, who has been working on projects regarding open street maps, surveillance and behavioral control in cities.

Open data and data sovereignty took over a big space in the discussion, as well as the role of the local government in a smart city process, the opportunities for smaller cities to function as an experimental field and the different approaches on the handling of data in Asia, the United States and Europe.

Panel Discussion on YouTube: www.youtube.com/watch?v=LcdFOk9HnQs

Theme film: www.youtube.com/watch?v=Cg7L8TVTe1c

Keynote Speaker: Charles Landry (UK)

Charles Landry is a British publicist, author and urban researcher. He was one of the co-initiators of the UNESCO City of Design network and is especially known for creating the concept of the Creative City. In 1978 he founded Comedia, a highly respected globally oriented advisor that assesses deep trends, creative potential, culture and urban change.

Charles Landry is author of many publications on topics such as the digitized city, psychology and the city or the civic city in a nomadic world. Currently he is a fellow at the Robert Bosch Foundation in Berlin. His overall aim is to help cities become more resilient, self-sustaining and to punch above their weight.

The focus of the creative city concept he invented, is how cities can create the enabling conditions for people and organizations to think, plan and act with imagination to solve problems and develop opportunities. The notion has become a global movement and changed the way cities thought about their capabilities and resources.
charleslandry.com

Panelists
Sybille Bauriedl (DE)

Sybille Bauriedl is a geographer, environmental and urban researcher and professor for integrative geography at the University of Flensburg in Germany. Since the 1990s she works on urban development concepts of European cities and their references to economic globalization, global environmental change and governance innovation.

Since 2016 she has been working on the topic of smart cities and placemaking, with a focus on the analysis of the connection between the digitization of the urban practices of digital communication and urban research reflected in social theory, investigating socio-cultural and economic fragmentation and diversity.

www.sybillebauriedl.de

Reni Hofmüller (AUT)

Reni Hofmüller is an artist, musician, composer, organizer and curator from Graz, Austria. She is an activist in the fields of usage of (new) media, technology and politics in general, engaged in development of contemporary art.

In her work she focuses on art in technological contexts and looks into relations between art, technology and society. For a long time, she has been working with sound as her main artistic tool, but with the same sort of interest she will go for a walk or find a new network of people to deepen her connection with her surroundings. She is one of the founders of the award-winning esc medien kunst labor, has been involved in Radio Helsinki (the local noncommercial community radio), mur.at, and is member of IMA.

renitentia.mur.at
esc.mur.at

Best Practices

Elena Deambrogio, Torino / Italy – Torino City Lab

Torino City Lab (TCL) is an initiative-platform aimed at creating simplified conditions for companies interested in conducting testing in real conditions of innovative solutions for urban living. From Artificial Intelligence and Robotics to Autonomous Vehicles from drones enabled smart city services to circular and sharing economy: Torino City Lab aims to attract and support testing of pre-commercial solutions for urban well-being and help them to reduce their time-to-the-market.

www.torinocitylab.com/en

Cezanne Charles and John Marshall, Detroit / USA
Smart Transformation of Detroit's Cultural Center

Cezanne and John were selected as part of a team to transform Detroit's cultural centre, encompassing 11 cultural institutions including Detroit's major museums and educational institutions. They are overseeing the smart aspects of the project, starting from a point of digital acuity.

rootoftwo.com

Projects mentioned

Laboratorio para la Ciudad
The experimental arm and creative think tank of the Mexico City government.
labcd.mx

Wien Bot
This smart companion provides direct answers to services of the city on the go.
smartcity.wien.gv.at/site/en/wienbot/

Marleen Stikker
Grounder of Waag Society and member of Urgentcity, Amsterdam.
urgentcity.eu
waag.org

Better Reykjavik
An online consultation forum where citizens are given the chance to present their ideas on issues regarding services and operations of the City of Reykjavík.
reykjavik.is/en/better-reykjavik-0

Block to Block Nairobi
Building a model for participatory urban planning in Nairobi.
www.blockbyblock.org/projects/nairobi

Surveillance Camera Players go to Graz
A project from the esc medien kunst labor in the frame of steirischer herbst 2002.
www.notbored.org/26oct02.html

Urban Cyborgs
A project from the esc medien kunst labor in the frame of Graz cultural year 2020.
esc.mur.at/en/projekt/urban-cyborgs

Related Publications

Landry, C. (2016): The Digitized City: Influence & Impact. Gloucestershire, UK.

Landry, C., Caust, M. (2017): The Creative Bureaucracy & its Radical Common Sense. UK.

Landry, C. (2019): Advanced Introduction to the Creative City. UK.

Bauriedl, S. Strüver, A. (2018): Smart City – Kritische Perspektiven auf die Digitalisierung in Städten.

Bauriedl, S. (2017): Smarte Städte. Digitalisierte urbane Infrastrukturen als Themenfeld kritischer Stadtforschung: Zwischen Effizienz, Optimierung und Widerstand. In: suburban. Zeitschrift für kritische Stadtforschung 5(1/2): 87-104.

Florida, R. (2002): The Rise of the Creative Class: And How It's Transforming Work, Leisure, Community, and Everyday Life.

Day 3: Sustainable Cities

October 7th 2020

Facing climate change and the fact that more than half of the world's population already lives in cities that are constantly growing, the organisation and design of cities with their effects on resource consumption are of central importance in overcoming this millennium challenge. On the third day of the panel discussions Aglaée Degros, Sigrid Bürstmayr, Husam Al Waer and Paulina Cornejo Moreno Valle discuss about which approaches to follow when designing sustainable cities. Not only considering traffic in public spaces, but also the economic conditions under which products are manufactured. How can designers and architects raise awareness for the relationship between cities and its surroundings, what can politics do and why isn't recycling products necessarily the best option?

The Sustainable City – The Fragile City
In her Keynote Speech *"The Sustainable City – The Fragile City"* urban planner and architect Aglaée Degros refers to the ongoing crisis, that made us realize that our cities might be more fragile than we have thought. According to Degros, we need to regulate the density in cities in order to activate the liveliness and the environments. "If we don't want to go back a century and if we want to fight climate change, we shouldn't question the quantity of space, but much more the quality of space," says Degros. We have to think about a fair share of public space and new forms of dwellings, like co-housing. "The current crisis is a chance for us to link the special and territorial justice to the ecology. When we do so, I think we have all in our hand to turn a fragile city into a city that is ecologically and humanly alive – a vivid city."

What can be done on a political level to unfold a wider impact explains Husam Al Waer, professor from Dundee. "Politicians tend to lean on short term strategies up to five years. When you have a new political cycle after five years they do not work with the blaze of the one before. Evolving the vision of the city instead of developing a completely new one could be the answer."

The top down approach from the city management must meet the bottom up approach from inhabitants with local knowledge and expertise about their neighbourhood. In Latin America this is a problem, as Paulina Cornejo Moreno Valle from Mexico City explains, because of the lack of trust from the communities. "In Europe the agendas are more focused on sustainability, in Mexico they are more focused on open government and building trust. First you have to reach the people, then you have to try to collaborate with them, build trust, find solutions and create a dialogue," she says. "I think the best way to do this is through academia, social organizations and NGOs that are there to stay."

On another level, the question of resource consumption is crucial when talking about sustainable cities. As Sigrid Bürstmayr from the FH JOANNEUM explains, we should start using the hidden resources in cities that we already have and try to create a circle economy. "We should start asking ourselves *Do we really need this?* before producing new things. We can repair, reuse, share or resell products and one of the last steps should be recycling. Because recycling is also connected to a lot of energy consumption."

Panel Discussion on YouTube: www.youtube.com/watch?v=pYzhEpnFIqo

Theme film: www.youtube.com/watch?v=404Ftjj0k4M

Keynote Speaker: Aglaée Degros (AUT)

Aglaée Degros is an architect and urban planner based in Graz and originally from Belgium. With her office Artgineering in Brussels, she devises and implements design strategies for complex (inter)urban conditions with a great interest for co-production and stakeholder involvement. In various research and design projects, she re-interprets the relation of mobility, landscape and urban development.

Furthermore, Aglaée Degros is active as university professor and head of the Institute of Urbanism at the Graz University of Technology. In the past she has been a visiting professor and guest lecturer at several architecture institutions throughout Europe. She was a visiting professor at Vienna University of Technology, the Academy of fine Arts in Vienna and the Vrije Universiteit in Brussels.

Aglaée Degros is amongst others co-author of the Routledge publication 'Public Space and the Challenges of Urban Transformation in Europe', 'Brussels, [re]discovering its spaces' and more recently 'Traffic space is public space'. She regularly is a jury member at international urban planning and design competitions.

www.artgineering.eu/about/aglaee-degros

Panelist
Paulina Cornejo Moreno Valle (MEX)

Paulina Cornejo Moreno Valle is the Head of Program in Social Design at Centro University in Mexico City (Hub de Diseño Social), a professor of Design for Social Innovation (CENTRO Diseño, Cine y Televisión) and the co-founder of Mexsic- Social Impact Consulting.

Her career includes academic research, consulting projects for social impact and art curation. In her work she focuses on social design, systems thinking and creative strategies for community building and social change. She is especially interested in the potential of creativity and design to affect positive social change. She is the Author of "100 Tácticas Creativas para la Seguridad Ciudadana" - "100 Creative Tactics for Citizen Participation".

centro.academia.edu/PaulinaCornejo

Husam Al Waer (UK)

Husam Al Waer is an urbanist with a background in architecture, urban planning and sustainability, who writes and speaks extensively on making better places. He is an award-winning author and curator of events, focusing on issues of place making and urban design practice and their social impacts.

He is an educator, facilitator and moderates events nationally and internationally. Husam Al Waer is professor of Sustainable Urban Design at the University of Dundee in Scotland, having previously researched and taught at Reading and Liverpool universities. One of his research topics focuses on how master planning and design practices can contribute to develop sustainable cities.

www.dundee.ac.uk/people/husam-al-waer

Sigrid Bürstmayr (AUT)

Sigrid Bürstmayr is a designer and lecturer at the FH JOANNEUM, University of Applied Sciences Graz. She teaches Social and Sustainable Design. Her focus lies on product design in relation to circular and sharing economies, urban mining and zero waste. Her professional interests and skills include product management, exhibition design, sustainable design and design activism.

She presented her research results on several conferences and universities around the world, recently in Seoul, Montreal, Wuhan, Istanbul and Mexico City. She follows a transdisciplinary approach of design activism, where designers can influence products in a social, environmental and economic context being the link between engineers and target groups.

www.fh-joanneum.at/hochschule/person/sigrid-buerstmayr/

Best Practices

Daniela Tahira, Curitiba / Brazil
Gestão de Risco Climático Bairro Novo do Caximba

The Project of Climate Risk Bairro Novo Caximba is a big socio-environmental intervention that aims to guarantee the conservation of an Area of Environmental Protection (APA) irregularly occupied in the meeting of the basins of Barigui River and Iguaçu River, in the south extremity of Curitiba, from the sustainable urbanization with the implantation of an integrated linear park to the infrastructure of housing, transportation and leisure.

Eldar Salahov, Baku / Azerbaijan
Master Plan of Baku City

The city of Baku is currently in the process of development of the Master Plan regarding the sustainable urban development for the capital city after gaining the independence in 1991. All the other Master Plans of Baku were adopted during the soviet times and were relying on the requirements of a planned economy.
www.arxkom.gov.az/en

Frédéric Cadet, Saint-Étienne / France
Nudging in Eco-Design

Frederic Cadet from the Agence écoDesign explains the ways nudges work, their applications and what possibilities there are for sustainable human behaviour. If we can get humans to choose to act on their own in some way by using nudges, we can imagine designers working to engage the planet's wildlife to help repair the planet. Our design cities must absolutely integrate in their development the wildlife which, as we saw during the confinement with COVID19 , secretly share our urban spaces.
www.agence-ecodesign.eu

Projects mentioned

Nordbahnhof Wien, studioVlay – Steeruwitz. www.vlst.at

Grote markt Sint Niklaas, Artgineering. www.artgineering.eu

Klima-Architektur, Philippe Rahm www.philipperahm.com

Hinterland - Singapore beyond border, Hans Hortig topalovic.arch.ethz.ch/#projects

Augartenbucht Graz
www.graz.at/cms/beitrag/10326320/9063249/Murarena_Natur_und_Freizeitoase_taucht_auf.html

Bicycle master plan Graz
www.graz.at/cms/beitrag/10352224/8106610/Graz_wird_eine_Fahrradhauptstadt_Europas.html

Ecoducto - Linear park in Mexico City www.ecoducto.mx

Related Publications

Stocker, K., Bürstmayr, S. (2020): Designing Sustainable Cities: Manageable Approaches to Make Urban Spaces Better. Contributors: Paul Draus, Breathe Earth Collective, Burcin Cem Arabacıoğlu, Ayşen Ciravoğlu, Ciğdem Polatoğlu, Paulina Cornejo Moreno Valle, Sylwia Ulicka

Madanipour, A., Knierbein S., Degros A. (2013): Public Space and the Challenges of Urban Transformation in Europe

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B. Secchi (2013): La città dei ricchi e la città dei poveri .

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Adewumi, A., Onyango, V., Moyo, D., & Al Waer, H. (2019): A review of selected neighbourhood sustainability assessment frameworks using the Bellagio STAMP. International Journal of Building Pathology and Adaptation, 37(1), 108-118. https://doi.org/10.1108/IJBPA-07-2018-0055

UNESCO
United Nations
Educational, Scientific and
Cultural Organization

GRAZ
CITY OF DESIGN
UNESCO Creative Cities Network
Member since 2011