

**KA-AU KNOWLEDGE ALLIANCE
FOR ADVANCED URBANISM**
VOLUME 5
**BLITZ INTERNATIONAL
WORKSHOP
PROACTIVE /
RESILI(G)ENCE**

International Forum
**MED.NET 3
 RESILIENCE**
 Intelligent Cities /
 Resilient Landscapes

DELIVERABLE 3.2
 WORKSHOP SEMINAR 1 REPORT

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**ka
au** Knowledge
 Alliance
 for Advanced
 Urbanism

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MED.NET 3 blitz workshop was organized by:



with the support of:



- 1- FOREWORD
- 2- PARTNERS
- 3- BLITZ INTERNATIONAL WORKSHOP
- 4- OUTPUTS
- 5- CONCLUSIONS & RECOMMENDATIONS
- 6- CREDITS





1.

FOREWORD AND FRAMEWORK

MED.NET 3. RESILI(G)ENCE
GOA RESILI(G)ENT CITY
Intelligent Cities /Resilient Landscapes

MED.NET / KAAU

The increasing availability of data creates new opportunities not only for the monitoring and management of cities, but also for changing the way we describe, understand and design them, challenging many fundamental assumptions of urban design and planning professions.

In order to promote the innovative education and training that emerging technologies require, higher educational institutions together with industrial partners have created the Knowledge Alliance for Advanced Urbanism (KA-AU). KA-AU develops courses, symposia and an educational and training platform, offering participants an innovative education on planning and design. The group understands "Advanced Urbanism" as the sensitive integration of ICTs in cities, taking into consideration cultural heritage, environmental and social issues. "Advanced Urbanism" is about designing and planning processes, instead of just concrete artefacts, linking citizens, businesses and governments in a sustainable urban culture. "Advanced Urbanism" requires changing traditional design and planning practices towards a more open, collaborative and interdisciplinary approach. KA-AU is co-funded by the Erasmus+ Programme of the European Union

THE REPORT - Deliverable 3.2

This report outlines the main findings of the MED.NET RESILI(G)ENCE WORKSHOP 1, organized by UNIGE, in cooperation with the KA-AU partners. This activity was part of the KA-AU program WP3, Task 3.3.



BLITZ WORKSHOP

2. PARTNERS

ABOUT UNIGE

UNIGE and in particular the Department DSA has a wide experience in coordinating and developing activities in the field of scientific research on territorial, technological, urban and architectural subjects. Such studies and works are mainly targeted at the analysis of specific problems in balanced territorial and environmentally-sustainable development in specific areas and contexts. UNIGE is currently focusing on the topic of recycling in relation to urban planning, strictly collaborating with the Municipality of Genoa.

BLITZ WORKSHOP FRAMEWORK

MED.NET 3 BLITZ WORKSHOP was organized by the Università degli Studi di Genova (UNIGE). All the KA-AU partners actively participated in the activity, as well as contributing to the content and discussion development.

BLITZ WORKSHOP

MED.NET 3 Blitz workshop was organized by:



with the support of:



3.

INTERNATIONAL BLITZ WORKSHOP

MANUEL GAUSA

Department Architecture Design – DAD, UNIGE
Director of ADD Genova - Architecture & Design Phd Program

The Med.Net 03 Resili(g)ence International Forum, organized by ADD, Architecture and Design Doctorate, UNIGE, is contextualized within an investigative framework –MED.NET– on research topics and meetings regarding the Mediterranean multi-city connected with the KAAU Project –a relational platform between universities (research units) and entrepreneurial industry (dynamic companies– which aims to encourage exchange, training and dissemination spaces related with advanced knowledge and innovation in the fields of urban planning, sustainable development and new technologies.

The approach to the development of a new Advanced Urbanism paradigm comes from the innovatory processing combination –in the last two decades– between the terms INFORMATION and INTERACTION, understood in all its dimensions, spatial environmental, social, technological and cultural. The notion of information appears, in this advanced approach, directly related with the assimilated notions of complex programs and simultaneous solicitations, environmental parameters and indicators, social tendencies and dynamics, and, evidently, with the digital and computational increasing capacity to process, measure and optimise data in new anti-typological and open systemic approaches (integral and integrative) associated to a new Informational Urbanism.

A new urbanism linked with a new urban intelligence understood as a new relational (and informational) capacity (reactive, responsive and strategic) able to process together urban data and visions in a new integrative and qualitative way: not only an multi-tool-urbanism linked with the new technologies (Smart) but an Empathic Urbanism associate to new analytic and synthetic (in contemporary) and multi-scalar researches in the fields of the urban prospection,

the innovative expression (and representation), the environmental scope, the social integration and the citizens convivial relationships and bottom-up and networked processes, and, in particular, the capacity to launch new strategic and integrative gazes (and methodologies) open to work with complex and dynamic territories.

In this sense, the innovative input of this new methodological urban approach can be based in 3 lines of action, diverse but interconnected in-between them, that are opening the door not only to different changes of paradigms but also to new frameworks, instrumental tools applications and experimental outputs:

- A. Digital (& data-processing) innovation (PROCESSES & RECORDS)
Outputs > real-time open-processes > data-visualisation, data-orientation, data-applications
- B. Environmental (& eco-systemic) innovation (NETWORKS & SYSTEMS)
Outputs > strategic scenarios > operational systems, strategic concepts
- C. Social (& bottom-up creating) innovation (ACTIONS, OPERATIONS, IMAGINARIES)
Outputs > collective actions > interactive interfaces, relational programs & imaginaries

BLITZ WORKSHOP

This is the conceptual approach of the Genova unit partnership, in relation with the topic Advanced Urbanism. And –in its declination with the topic Resilience– this is the challenge: the capacity to combine “Intelligent Cities” (information, knowledge, projection and adaptation) and “Resilient Cities” (resistance and recycling, reaction and recovery, renovation and adaptation) in a new Resili(g)ent condition, sensible, sensorized and sensitive at time. During the Med.Net 03 Forum, ADD has organized two days of scientific and creative meeting and exchange dedicated to promote a strategic vision about the theme of “resilience” and its innovative approach: International Symposium MED.NET. KAAU (Advanced Urban Strategies for Resilient Territories) and a SCIENTIFIC MEETING ADD-RESILI(G)ENCE (Global Med, Resili(G)ent Nets: Research Tables).

The contents of the Symposium were organized around 6 TOPICS articulated in a structure of 3 PANELS (MAPPING/MANAGING – PLANNING/ LANDING – DESIGNING/SOCIALIZING) interconnected with the three lines previously noted.

- The first panel met together firms and researchers around the impact of the new technologies in the urban prospection and the capacity to manage resilient urban analysis and anticipations.
- The second met innovative firms and urban experts related with new strategic and integrative models of mixed and complex land-use(s).
- The third wanted to contemplate the social dimension of the duality: information (communication) + interaction (inter-relationship) in new common (propositional and critical, real and virtual) public spaces and collective neighbours. In this framework the Blitz-Workshop Proactive Resili(g)ence, open to different participants, wanted to be an occasion of share concepts and ideas about

the notions of Advanced Urbanism and Resili(g)ence: a collective brainstorming between scholar units, firms, experts and students, understood as a first kick-off to prepare the posterior Summer School Workshop to be developed in the spring period.

Guided by the different members of the KAAU Consortium and their associated tutors, every unit has the opportunity to launch (and receive) inputs in the fields of the new data mapping, the digital real-time recording, the apps urban incidence and urbaneutic development, the collective and social bottom-up dynamics, the Recycle and Re-Citying conscience and, evidently, the capacity to imagine new environmental, resilient and qualitative contexts.



A BRAIN-STORMING FORMAT

RESILI(G)ENT AWARENESSES. INITIAL INSPIRATIONS

NICOLA CANESSA

Department Architecture Design – DAD, UNIGE

In the workshop there were random groups of 4-5 students to design courses and design of communication and every KAAU organization, will have 2-3 groups. The workshop was precisely the creation of a series of posters (one for every group) that communicate with an image and a message the idea of RESILI(G)ENCE compared to reading of the topic that every organization has prepared for students.

Why a poster?

Because this is one of direct communication and expression, which is well suited to describe the change.

The origins of the poster as a printed sheet of paper bind to three inventions that, in late eighteenth and early nineteenth century, allow the serial dissemination and implementation Color: lithography for the reproduction of works of art, lithographic press star, chromolithography.

In the first decades of the twentieth century avant-garde groups look with sympathy to poster advertising as an important communication tool and source of inspiration for their paintings. In Italy the futurists use the poster, albeit understood in the proclamation, but not separated from imaginative printing processing; in Germany during the Weimar Republic, the artists of the neue Sachlichkeit (new objectivity) founded the Bauhaus school where advertising, graphic arts and posters are the subject of teaching.

The poster, while being used in the most different contexts, with equally diverse priorities, it is a means

of communication which aims primarily to persuade. To stay in the advertising (the most important from the standpoint both aesthetic and quantitatively), the poster must therefore arouse the interest and curiosity of the viewer, giving the effectiveness of the message to the power of the image combined with other elements, such as those pertaining to the written word or the typeface.

fundamental element of the poster is so visual, that is, its basically iconic component, real staging, where the advertised product (photography, drawing, painting, computer processing) is usually represented in a captivating universe and prestigious building, in order its characteristics or to let imagine how life can be facilitated by the use (and purchase) of the same product.

Often to build the image of the poster shall endeavor different visual strategies, from exaggeration and hyperbole, confidentiality, up to the difference by an unexpected contact: exaggeration or hyperbole, and for this reason it was decided to use it to describe the idea of the combination "resilience" and "intelligence" because through abstraction or enlargement of a concept that is more clear and evident.

The workshop has the objective of creating awareness among students that "resilience-intelligence" combination in the urban environment is inextricably linked to the concept of cause and effect, to the transformation of the territory, to access to information, social cooperation, policy, to the conscious use of new technologies.

METHODOLOGY

A MANIFESTO FOR PRO-ACTIVE RESILI(G)ENCE

SARA FAVARGIOTTI

Department Architecture Design – DAD, UNIGE

The one-day international Blitz-Workshop has been the contents to explore a variety of interpretation for a “creative resilience”. More than 80 students, 13 tutors, 14 coordinators, 5 guest critics have been involved to share concepts and ideas about the notions of Resili(g)ence. The day has been thought as an intellectual and productive exchange between scholars, experts and students, to investigate and explain the synergy between the concepts of intelligence and resilience. The event was an intensive and collective brainstorming but also the first kick-off meeting to prepare the products useful for the later Summer School Workshop announced for the Spring 2017. Students have been divided in different team, each one led and coordinated by one member of the KAAU Consortium and their associated tutors: Luis Falcón (IN-ATLAS) with Maddalena Piccini, Matilde Pitanti (UNIGE); Andrea Caridi (DARTS) with Chiara Centanaro (UNIGE); Mathilde Marengo, Chiara Farinea (IAAC) with Andrea Quartara (UNIGE); Andreu Ulied (MCRIT) with Elena Pisano (UNIGE); Judith Sykes, Oliver Broadbent (USP) with Jorge Mosquera (UNIGE); Elodie Nourrigat, Jacques Brion (ENSAM) with French Tutors (ENSAM) and Benedetta Pignatti, Francesca Vercellino (UNIGE); and África Sabé Dausà, Claudia Rosello (Santa y Cole) with Luca Ghedini, Anna Pacini (UNIGE). The main task was to produce a contemporary manifesto, with no rules and limits of style, graphic and expression. A Manifesto is generally intended as “a written statement of the beliefs, aims, and policies of an organization, especially a political party”¹. Accordingly, the outcomes have been an interpretation of the meaning to produce a cultural and active Manifesto in the third millennium. The exercise aimed to create an interdisciplinary narrative and transmedia storytelling to reach a wide range of audience, compelling in the age of new technology,

hyper-connected social media, and advanced communication. The outcomes had to synthetically show one picture, a video, or an animation, by proposing a title, a slogan and at least one main image that clearly stated intentions, motives, and views of the makers.

Each expert proposed to the groups of students its personal interpretation of resili(g)ence concept, according to its specific expertise and background. The team’s leader set out the theoretical challenges as outputs for the students that, with the active interaction of the tutors, have elaborates their own manifesto. Every unit proposed (and received) inputs about the capacity to imagine new environmental, resilient and qualitative contexts, across the exploration of different fields: new data mapping, digital real-time recording, augmented reality, agrotechnology and big data, the collective and bottom-up dynamics, urban and material renewal, interactive and sensorial urban experiences.

1 Noun [C] / mæn. fes.t / source Cambridge Dictionary. Additional definition: “a public declaration of policy and aims, especially one issued before an election by a political party or candidate” source Oxford Dictionary.

synergy between the concepts of intelligence and resilience. The event was an intensive and collective brainstorming but also the first kick-off meeting to prepare the products useful for the later Summer School Workshop announced for the Spring 2017. Students have been divided in different team, each one led and coordinated by one member of the KAAU Consortium and their associated tutors: Luis Falcón (IN-ATLAS) with Maddalena Piccini, Matilde

International Forum
MED.NET 3
RESILIENCE
Intelligent Cities /
Resilient Landscapes



Per iscrizioni
add.resiliegence@gmail.com

- 9:10-9:30 **Workshop introduction**
Aula Edoardo Benvenuto
Manuel Gausa, DAD, UNIGE
Coordination
Nicola Canessa, Sara Favargiotti, DGA, UNIGE
- 9:30-10:00 **CHALLENGE PROPOSALS**
Luca Falcoń, Silvia Ghedini - inAtlas + Tutor Assistant
Andrea Caridi - DARTS + Tutor Assistant
Zoeil Marquisse, Michèle Marango, Chiara Farinea - IAAC + Tutor Assistant
Andreu Ulled - MCRIT + Tutor Assistant
Judith Sykes, Olivier Broadbent - USP + Tutor Assistant
Elodie Nourrigat, Jacques Brion - DUGAM + Tutor Assistant
Agnes Julian, Yasuhiro Ito - Technicum + Tutor Assistant
Africa Sabé Dausà, Claudia Roselló - Santa y Cole + Tutor Assistant
Tutor Assistants
Chiara Centanaro, Jorge Mosquera, Andrea Quartara, Benedetta Pignatti,
Elena Pisano, Francesca Vercelloni, Linda Pierozzi, Micaela Pignatti, Daniela
Devide Venturi, Luca Ghedini, Anna Padri, Mattia Pierozzi, Maddalena Piccini
- 10:00-10:30 **WORKSHOP'S OUTCOMES**
Aule 4D, 4C, 5D, 5E, 6A, 6B, 6C, 6E
- 10:30-11:00 **WORKSHOP'S OUTCOMES**
Aula Edoardo Benvenuto
Students Presentation + review

28 October 2016
Genova, Italy

International Forum
MED.NET 3
RESILIENCE
Intelligent Cities /
Resilient Landscapes



FRIDAY
28|10|16
INTERNATIONAL
WORKSHOP
PROGRAM

One day of exchanges between Students, Experts and Academic Staff within an intense productive brainstorming that has the purpose to share knowledge and produce first inputs for the next Summer School (intuitions and inspirations, through a POSTER format) about the combination between intelligence and resilience within the framework of an advanced approach.

BLITZ WORKSHOP - KICK OFF

- 9:15-9:30 Workshop introduction
Aula Edoardo Benvenuto
Manuel Gausa, DAD, UNIGE

Coordination
Nicola Canessa, DAD, UNIGE
Sara Favargiotti, DAD, UNIGE-UNITR
- 9:30 - 10:00 **CHALLENGE PROPOSALS**
Luis Falcón, Silvia Bianchini - inAtlas
Andrea Caridi - DARTS
Chiara Farinea - IAAC
Andreu Ulled - MCRIT
Judith Sykes - USP
Elodie Nourrigat, Jacques Brion, Guillaume Girod, Johan Laure - ENSAM
Africa Sabé Dausà, Claudia Roselló - Santa y Cole

Tutor Assistants
Chiara Centanaro, Luca Ghedini, Jorge Mosquera, Anna Pacini, Lucia Pelosi,
Maddalena Piccini, Linda Pierozzi, Benedetta Pignatti, Elena Pisano,
Matilde Pitanti, Andrea Quartara, Francesca Vercellino.
- 10:00 - 17:00 **WORK PROCESS - KEY CONCEPTS**
Aule 4D, 4C, 5D, 5E, 6A, 6B, 6C, 6E, aula di vetro
- 17:00 - 18:30 **WORKSHOP'S OUTCOMES**
Aula Edoardo Benvenuto
Students Presentation + review
- 11:30-15:00 **KAUF LUNCH+INTERNAL MEETING**
Sala Esposizioni
ADD-KAAF MED.NET BALANCE & CONCLUSIONS



4.

OUTPUTS:

Proactive Resili(g)ence

A.

Digital (& data-processing) innovation > PROCESSES & RECORDS

TEAM PROCESSES & RECORDS

Andrea Caridi - DARTS + Chiara Centanaro

Àfrica Sabé Dausà, Claudia Roselló - Santa y Cole + Luca Ghedini, Anna Pacini

Luis Falcón, Silvia Bianchini - inAtlas + Maddalena Piccini, Matilde Pitanti

B.

Environmental (& eco-systemic) innovation > NETWORKS & SYSTEMS

TEAM NETWORKS & SYSTEMS

Elodie Nourrigat, Jacques Brion, Guillaume Girod, Johan Laure - ENSAM +

Benedetta Pignatti, Francesca Vercellino

Chiara Farinea - IAAC + Andrea Quartara

C.

Social (& bottom-up creating) innovation > ACTIONS, OPERATIONS,
IMAGINARIES

TEAM ACTIONS, OPERATIONS, IMAGINARIES

Andreu Ulied - MCRIT + Elena Pisano

Judith Sykes, Oliver Broadbent - USP + Jorge Mosquera

A. Digital (& data-processing) innovation PROCESSES AND RECORDS

TUTORS TEAMS

DARTS GROUP:

Andrea Caridi + Chiara Centanaro

SANTA Y COLE GROUP:

Àfrica Sabé Dausà and Claudia Roselló + Luca Ghedini, Anna Pacini

INATLAS GROUP:

Luis Falcón + Silvia Bianchini + Maddalena Piccini, Matilde Pitanti

WORKSHOP OUT-PUTS

CHANGE OF PARADIGMS

From fixed representations to dynamic and evolutionary maps

FRAMEWORKS

Digital technologies and dynamic open-processes

TOOLS

Digital software – multilayer & informational processes

Outputs

real-time records & open-processes

data-visualisation, data-orientation, data-applications.

In one panel/poster students and tutors had to synthesize in a communicative, synthetic and advise way, different approaches and discussions associated to the capacity the use of the new Real Time Data Technologies in urban and territorial resilient contexts.

PROCESSES & RECORDS

Digital (& data-processing) innovation PROCESSES AND RECORDS

TEAM

DARTS GROUP:

Andrea Caridi

+ Chiara Centanaro

WORKSHOP PROPOSAL

The working group formed by Andrea Caridi from Darts, tutor Chiara Centanaro and 3 groups of students worked on Smart Rainfall System, an innovative rainfall monitoring system providing real-time spatial rainfall maps on a detailed scale, by means of the analysis of satellite television's signals, received by commercial parabolic antennas. Each of the three posters realized has developed a feature of the system: the common basis from which the three concepts were developed was communication and awareness to issues of resilience using low cost components, already existing in the urban system. The innovation in the use of networked systems to better manage flood risks and the possibility for the residents to participate and define a connected community were the main issues that emerged during the workshop.

The students presented 3 different and interested ideas:

Group 1_ "Resilient High-tech umbrella"

Group 2_ "Helping community is helping yourself - Be a part of your map"

Group 3_ "Ceci n'est pas une palais"

DARTS ENGINEERING

Darts Engineering develops Advanced Real-Time Systems, providing to customers ICT consultancy services, software development, system integration, customized solutions, and bookshelf services and technologies. Darts constantly invests in industrial R&D and experimental development activities in different fields.

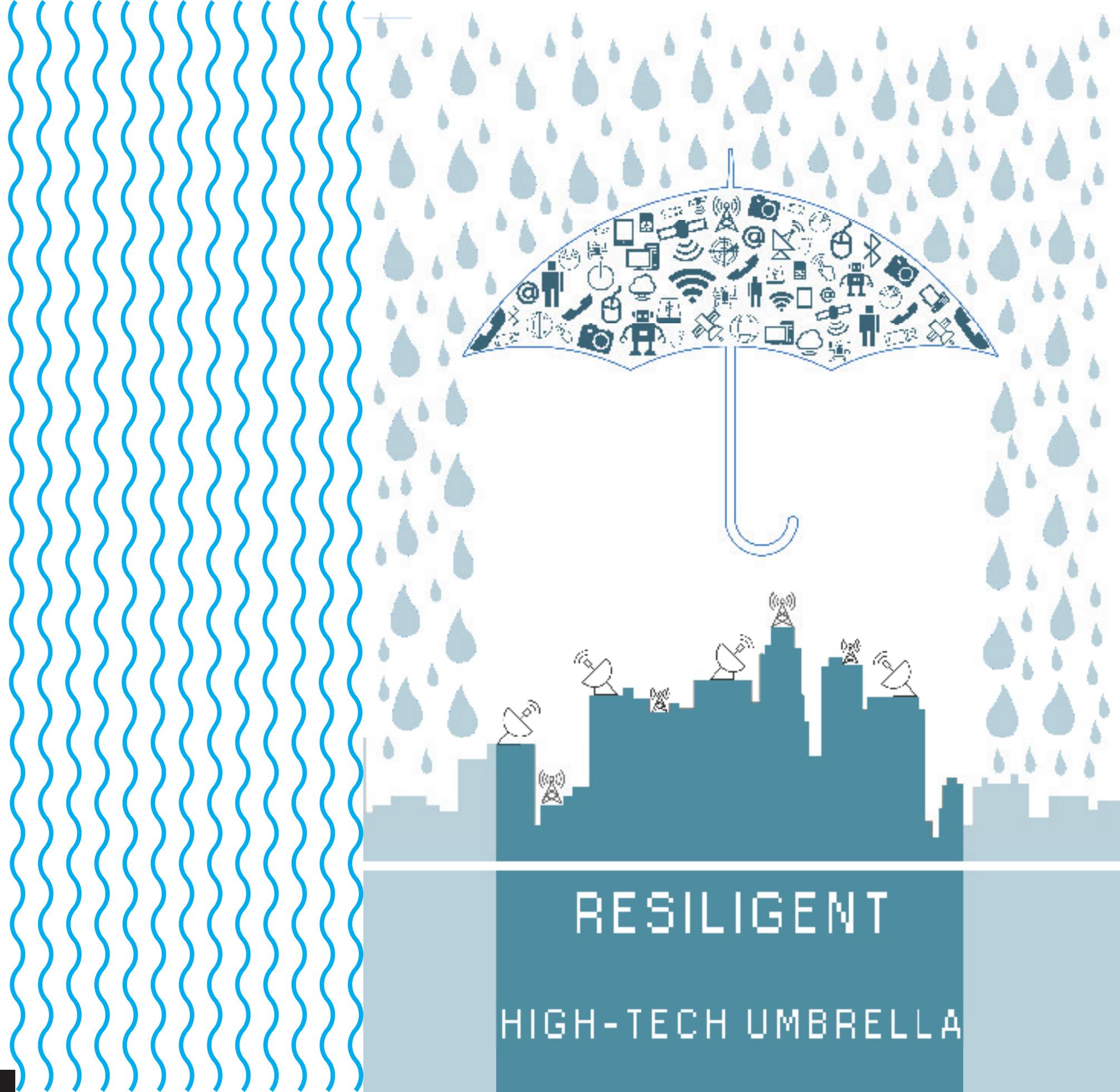
Since 2010, Darts strongly focused its R&D&I activities in two themes, core of the KAAU project: environmental monitoring and resilience of the territory, and valorisation of cultural heritage.



Borgo - Boccaccio - Ruisi - Ferrando

RESILIENT HIGH-TECH UMBRELLA

Resilient high-tech umbrella represents the possibility that all the technological and common use networked objects could become part of the monitoring process. The umbrella becomes a large network of information, pivotal part of a system that manages flood risk.



Bornil - Putzolu - Beone - Maxia

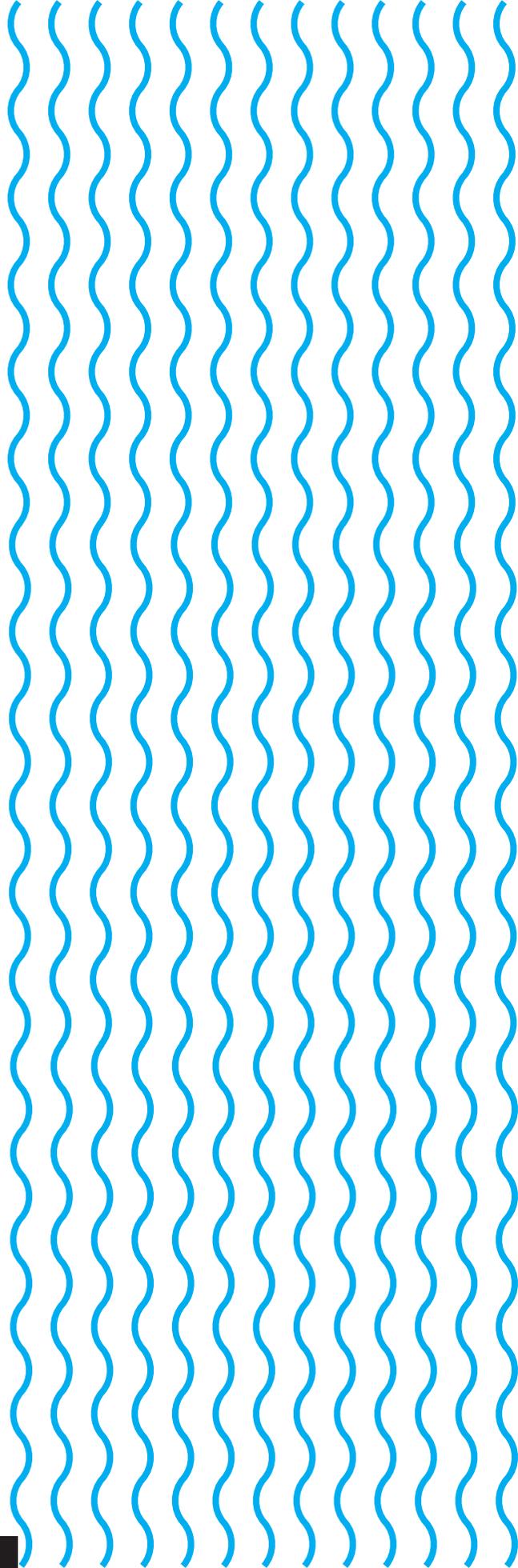
HELPING COMMUNITY IS HELPING YOURSELF
Be a part of your map

This project develops the possibility of use real-time rainfall maps to raise awareness; residents can add their satellite dishes to the network and thus becoming part of the monitoring and prevention community.

HELPING COMMUNITY IS HELPING YOURSELF



BE A PART OF YOUR MAP



Berni - Montina - Nari

CECI N'EST PAS UNE PALAIS

Ceci n'est pas un palais borrows the expression of René Magritte to define how the satellite dishes already present on the facades, change the way to see the buildings that become part of the processing systems of rainfall data.

Palais
Ceci n'est pas une ~~pipe~~.



Migliaia di edifici in tutto il mondo sono a rischio inondazione. Con l'attivazione delle linee satellitari la prevenzione di eventi meteorologici disastrosi sarebbe più efficace e veloce, salvando delle vite.

Digital (& data-processing) innovation PROCESSES AND RECORDS

TEAM

SANTA Y COLE GROUP:

Àfrica Sabé Dausà, Claudia Roselló - Santa y Cole
+ Luca Ghedini, Anna Pacini

WORKSHOP PROPOSAL

Space perception was the key point. The students were to learn how to relate to their surroundings through an unintuitive approach. After being divided into groups, one member was to be blindfolded and another one would wear a sound-insulating headset; the rest of the group had to guide them through the site. As it emerged, the student's perception of well-know surroundings had significantly changed after the new experience. What felt more comfortable to the blindfolded member turned out to be more challenging for the one who couldn't hear; even the students without added disadvantages encountered some unexpected difficulties.

The last assignment was to create a poster that explained with an idea that could prove useful in alleviating the problems encountered.

The students presented 4 different and interested ideas:

Group 1_ "Well-Come"

Group 2_ "Share connect communicate: 340 interest, 54 conversations, 1 table"

Group 3_ "Trasmittance"

Group 4_ "3 Levels"

SANTA Y COLE

Santa & Cole is a company focus on designing urban elements which allow for the creation of better public spaces, more humane with a better user experience. They are interested in a two-speed city: the slow, pedestrian city that invites you to rest, and the high-speed, technological Smart City. For the slow city they offer well-designed, ergonomic urban furniture, with a collective identity and meaning. They present useful, durable pieces that are locally manufactured and environmentally conscious. For the high-octane city they embrace LED technology, working with efficient, durable elements to save energy and minimise light pollution.

mi qualcosa

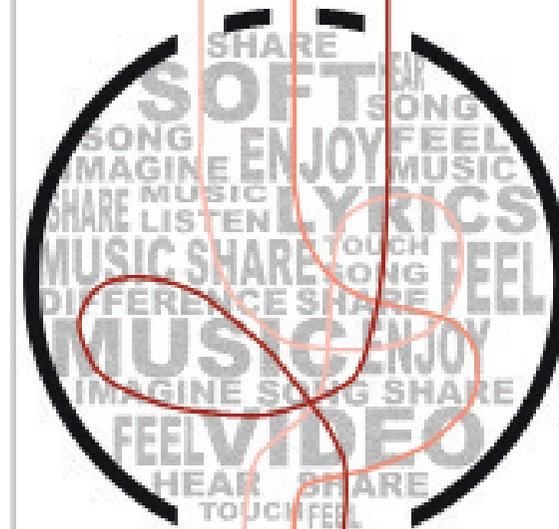


Marchioni - Nuredini - Desideri - Tang

WELL-COME

The main idea was that people in the circle could have a complete perception of the surroundings pairing differences.

WELL - COME

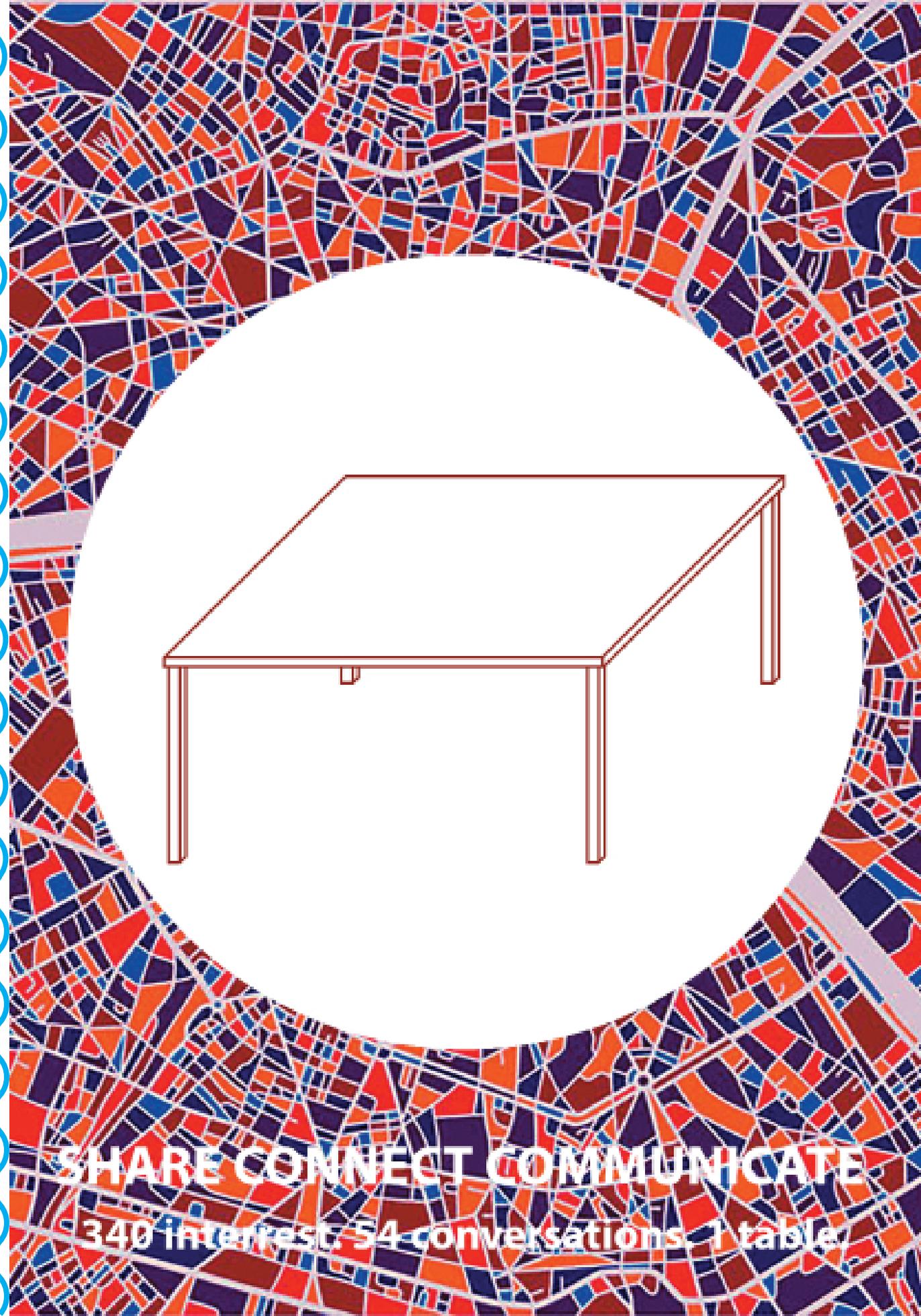




Prevost - Bellone - Pastorino - Favard - Garcia

SHARE CONNECT COMMUNICATE
340 interest, 54 conversations, 1 table

The table helps people to relation each other.



SHARE CONNECT COMMUNICATE
340 interest, 54 conversations, 1 table.



Sala - Buondonno - Ravera - Pacella

TRANSMITTANCE

The glasses represents the possibility to overturn the perception of surroundings, with those we can filter the environment according to our disabilities.

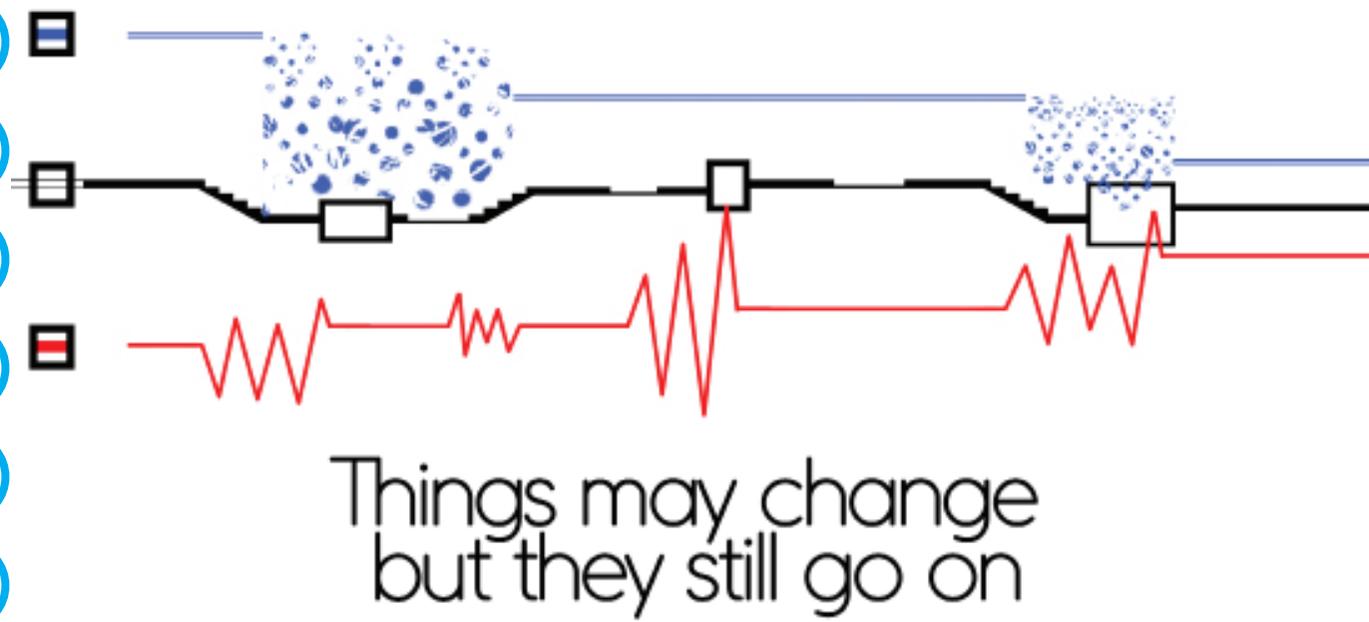




Peroni - Di Mattia - Milla

3 LEVELS

Three levels represents three different perceptions of the same trail. The thing was that they found common points between the lines.



Digital (& data-processing) innovation PROCESSES AND RECORDS

TEAM

inAtlas GROUP:

Luis Falcón and Silvia Bianchini - inAtlas
+ Maddalena Piccini, Matilde Pitanti

WORKSHOP PROPOSAL

Taken Resili(g)ence as the main topic, the aim of the workshop was to focus in one sub-topic, which is sharing common economy, mainly interested in housing sharing apartments, and from this general topic awake the debate on community, land use, economical and social resilience, and architecture use change with no physical construction change. Genoa, the local community, and especially city's tourism were important focus point. In fact the collaborative economy is a major driver of economic and social innovation and is transforming many sectors of the economy including tourism. Most discussions were lead on the efficiency of Genoa's tourism system, and how new technologies could help to improve the way the city is perceived by tourists and citizens. How collaborative economy organizations in the accommodation sector and peer to peer platforms, could influence the land use, ecosystem and communities in Liguria and especially in Genoa? and how it is perceived by people? The challenge that has been proposed to students is: "Is the sharing or collaborative economy a resilient process?"

The students presented 4 different and interested ideas:

Group 1_ "Be elastic!"

Group 2_ "Digital Resilience for the tourist - Discover Genoa through its citizens"

Group 3_ "All you can l(ea)ve"

Group 4_ "Live your own Vicoli"

inAtlas

InAtlas is a ICT company specialized in Geospatial Big Data and Location Analytics. It has created an online business solution that allows users to integrate urban data in one simple dash board. It is aimed to give services to companies where location play a key business role, and to cities on helping implementing urban socio-economic policies. inAtlas technology has already been used for several urban and territorial strategic plans, both with cultural and natural heritage backgrounds (UNESCO recognition).

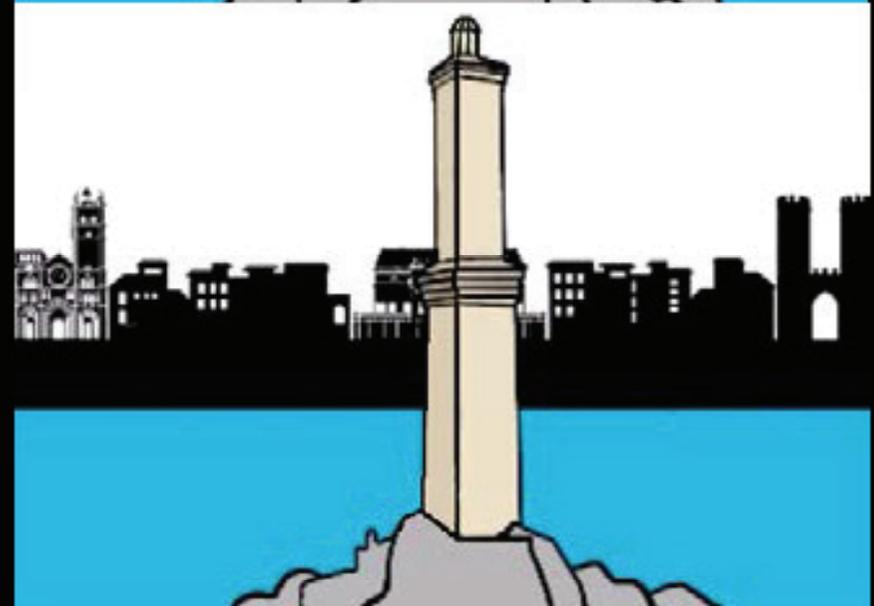


Accomasso - Alauze - Cantone - Gozza

BE ELASTIC!

The gif image shows how Genoa could use the system of housing sharing apartments to bring new people and new opportunities in all the city, and not just in centrally located districts.

Be elastic!





DIGITAL RESILIGENCE FOR THE TOURISTS

DISCOVER GENOA THROUGH ITS CITIZENS



Acquisgrana - Pollaci
Vignoud - Muschietti

DIGITAL RESILIGENCE FOR THE TOURISTS
Discover Genoa through its citizens

The big flow of tourist, in specific the cruises arrival as a temporary invasion, are seen as a critical point from the citizens. The resilience is imagined as a new app which allows tourist to discover the city trough local people and connect this two categories.



De Moro - Marro - Capaccioni - Paredes

ALL YOU CAN L(EA)VE

The work shows in the most direct way how peer to peer rental platform and the seasonal tourism in Liguria, are affecting urban land use and everydayness balance of local society, in a kind of buffet effect.



(EA)
ALL YOU CAN LIVE



Diaz - Torre - Quittard - Papa - Auteri

LIVE YOUR OWN VICOLI

The work focused in area of the historical centre of Genoa. The most critical areas are seen as the best opportunities to work on the topic of community in resilience processes.



B. Environmental (& eco-systemic) innovation NETWORKS AND SYSTEMS

TUTORS TEAMS

ENSAM GROUP:

Elodie Nourrigat, Jacques Brion, Guillaume Girod and Johan Laure
+ Benedetta Pignatti, Francesca Vercellino

IAAC GROUP:

Chiara Farinea + Andrea Quartara

WORKSHOP OUT-PUTS

CHANGE OF PARADIGMS

From land-uses planning to land-networked strategies

FRAMEWORKS

Complex structures and integrative networked-systems

TOLS

Multilayer informational programs. Relational & responsive territorial structures

Outputs

strategic scenarios

operational systems, strategic concepts

In one panel/poster students and tutors had to synthesize in a communicative, synthetic and advise way, different approaches and discussions associated to the capacity to work with integrative networks in urban and territorial resilient contexts.

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NETWORKS & SYSTEMS

Environmental (& eco-systemic) innovation NETWORKS AND SYSTEMS

TEAM

ENSAM GROUP:

Elodie Nourrigat, Jacques Brion, Guillaume Girod, Johan Laure - ENSAM
+ Benedetta Pignatti, Francesca Vercellino

WORKSHOP PROPOSAL

The blitz unit had to follow 10 Italian and French students, divided into 3 groups. They had to figure out the meaning of the word Resili(g)ence, according to the ideas of the exponents of ENSAM (École Supérieure Nationale d'Architecture de Montpellier). Being social, being active in the social life to get the city alive.

The main task was to understand how nowadays a city could be resilient and which social behaviours can bring people being resilient. The resilient city is a city where its people are resilient or try to be resilient, so a single person or a group of people are the main actors on the urban landscape scene.

The students presented 3 different and interesting ideas:

Group 1 (PAST)_ "Affection is resili(g)ence"

Group 2 (PRESENT)_ "The resilient tree and the resilient city-people"

Group 3 (FUTURE)_ "Just make it!"

ENSAM

The School of Architecture of Montpellier through its study field Metropoles du Sud "South Metropolises" aims to work on architecture and urban projects starting from a specific entrance point which is the interrogation of the locality as a vector of urban development. This strategic methodology deals with a continuous awakening of the Cultural heritage allied with the integration of paradigms such as "smart cities" and ITC integration in cities.

Through the taking into account of the cultural heritage "South Metropolises" questions the massive contribution of new technologies and their impact in the city, new governance and Metropolis constitutions. Thus, what is called "smart cities" is a necessary though for architects in order that this new "intelligent city" can be able to build a "sensible" city where new shared experiences could take place.





Baccino - Spotorno - Durant - Damonte

AFFECTION IS RESILI(G)ENCE

They explained the meaning of resilience using 3 images of different housing contexts: a single house in the middle of a destroying worksite, a single house crushed by the urban context and the last one half black/white and half color.

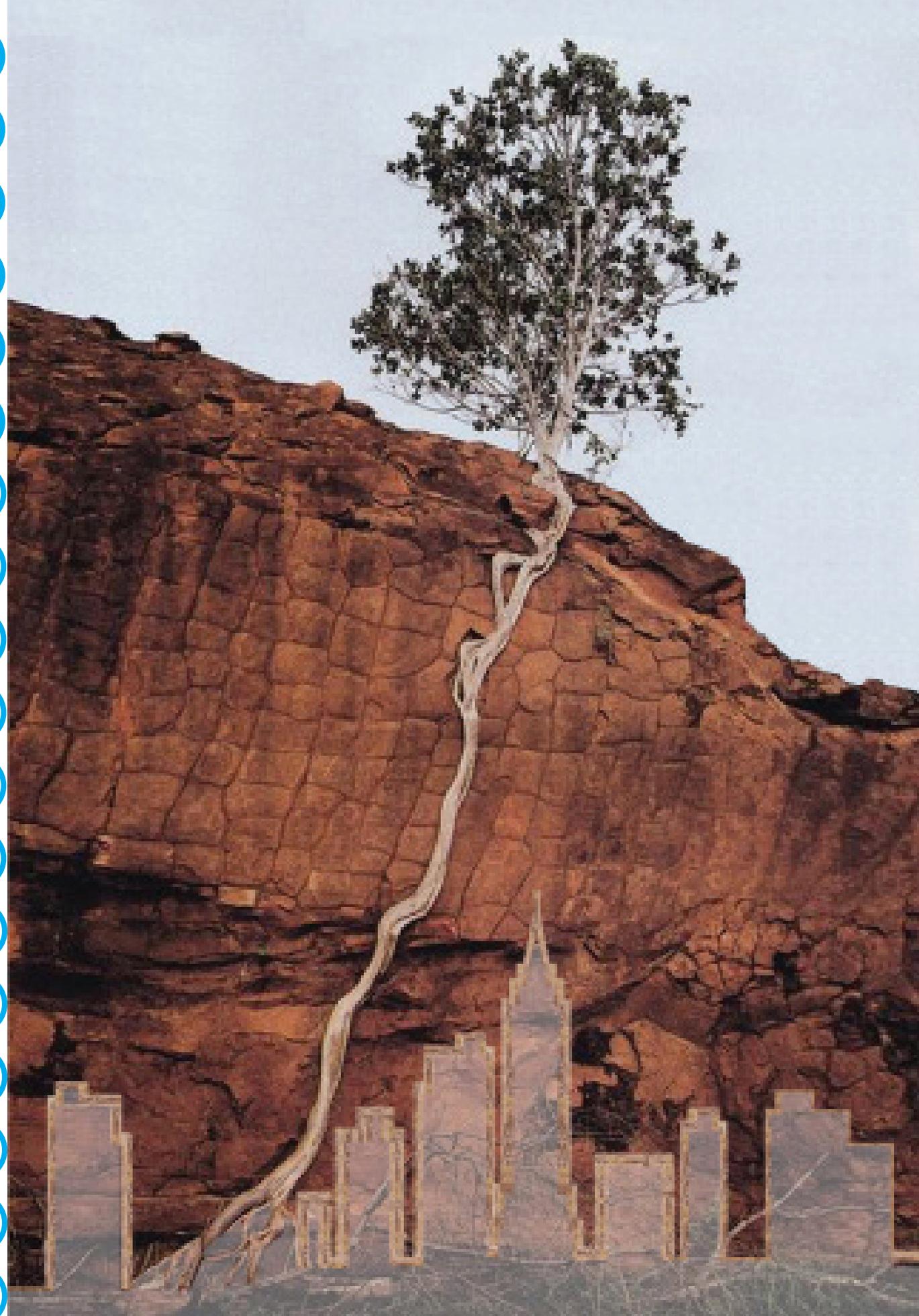
The resilience can start from a single house, symbol of the family, of the private affects, of our own memories.



Allais - Cudia - Orenco - Casagrande

THE RESILIENT TREE AND THE RESILIENT CITY-PEOPLE

As a tree can go through the earth and fight to breathe and to reach the air, the life, so the people can fight the problems of the city, stay alive and live.



Environmental (& eco-systemic) innovation NETWORKS AND SYSTEMS

TEAM

IAAC GROUP:

Areti Markopoulou and Chiara Farinea - IAAC
+ Andrea Quartara

WORKSHOP PROPOSAL

The workshop proposal run by Chiara Farinea and assisted by A. Quartara has provided an occasion of debating about visions that explore the role of technology in designing our societies and cities. The opening dialogue between trainers and students has served as an introduction about design opportunities arising from the assimilation of common digital fabrication processes - such as laser cutting, CNC milling and 3D printing - within a seamless design approach. Furthermore the advancements are presented as resulting from tools update but first and foremost as the methodological aptitude's innovation. The students have been focused on several interrelated topics, by acquiring awareness about potentialities and impediments in establishing a multidisciplinary knowledge network. The students have advanced a set of broad considerations about the conception, design, transformation, and construction of the human habitat in relation to social, informational, and natural values. Particular attention was paid to the social implications of shared and open-source knowledge involved in the design process.

The students presented 3 different and interested ideas:

Group 1_ "Re-Use"

Group 2_ "Common knowledge makes social reaction"

Group 3_ "Help me to help you"

IAAC

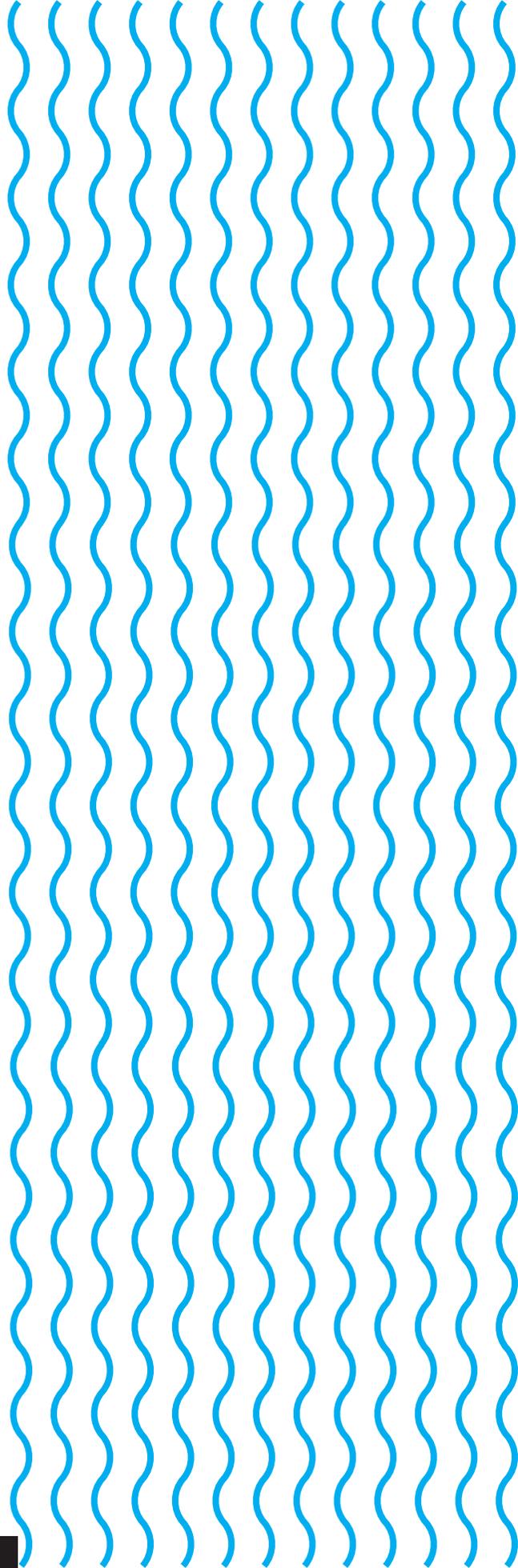
IAAC is an international centre for research, education, investigation; one of its objectives is to develop multidisciplinary programmes that explore international urban and territorial phenomena. The Self-sufficiency Agenda - central to all research lines developed in IAAC establishes the responsibility for confronting the process of global urbanization from multiscale operations and through prototypes that promote environmental, economic and social sustainability.



Del Medico - Maranzana - Parodi

RE-USE

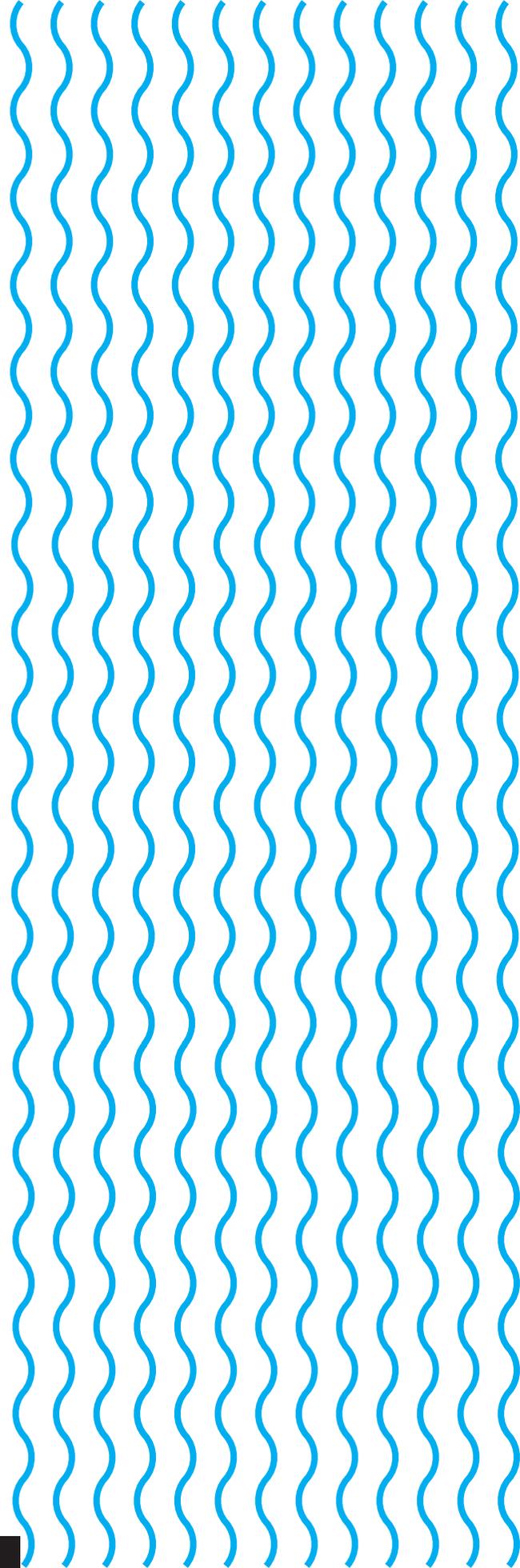
The scenario suggests the reuse of materials after natural calamities. The wise exploitation of instruments and ideas can lead a resilient aptitude during crisis.



Maranzana - Champanay - Koshena

COMMON KNOWLEDGE MAKES SOCIAL REACTION

This poster emphasizes design as the reaction to needs. Active solutions arise from the combination of local materials, digital fabrication, and shared knowledge. This is possible through a distributed educational model aiming to introduce anyone to digital fabrication e.g. the Fab Academy.





C. Social (& bottom-up creating) innovation ACTIONS, OPERATIONS, IMAGINARIES

TUTORS TEAMS

MCRIT GROUP:
Andreu Ulied
+ Elena Pisano

USP GROUP:
Judith Sykes and Oliver Broadbent
+ Jorge Mosquera

WORKSHOP OUT-PUTS

CHANGE OF PARADIGMS
From participation to co-production

FRAMEWORKS
Social sharing dynamics and new collective behaviours

TOLS
Relational structures and interactive experiences
Active public and spatial devices and/or programs

Outputs
collective actions
interactive interfaces, relational programs & imaginaries

In one panel/poster students and tutors had to synthesize in a communicative, synthetic and advise way possibilities, different approaches and discussions associated to the emergency of social and collective relationship and sharing actions and imaginaries in urban and territorial resilient contexts.

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ACTIONS, OPERATIONS,
IMAGINARIES

Social (& bottom-up creating) innovation ACTIONS, OPERATIONS, IMAGINARIES

TEAM

MCRIT GROUP:

Andreu Ullied - MCRIT
+ Elena Pisano

WORKSHOP PROPOSAL

According to Andreu Ullied of MCRIT, resilience is closely related to the human condition. Technology is prevaricating on human being and smart cities are not suitable for people because they are too smart and the man is not able to follow it. The Risk is the result of a mix of Vulnerability of people which causes hysterical reaction and the Probability that an accident occurs in a place:

$$R = V \times P$$

strength, energy, resistance, creativity, network, adaptation, reaction, community and capacity are all synonymous of resilience.

The students presented 3 different and interested ideas:

Group 1_ "Reagire"

Group 2_ "Reflect the change"

Group 3_ "Vulner-Ability - Don't be hysterical/Go resilient"

MCRIT

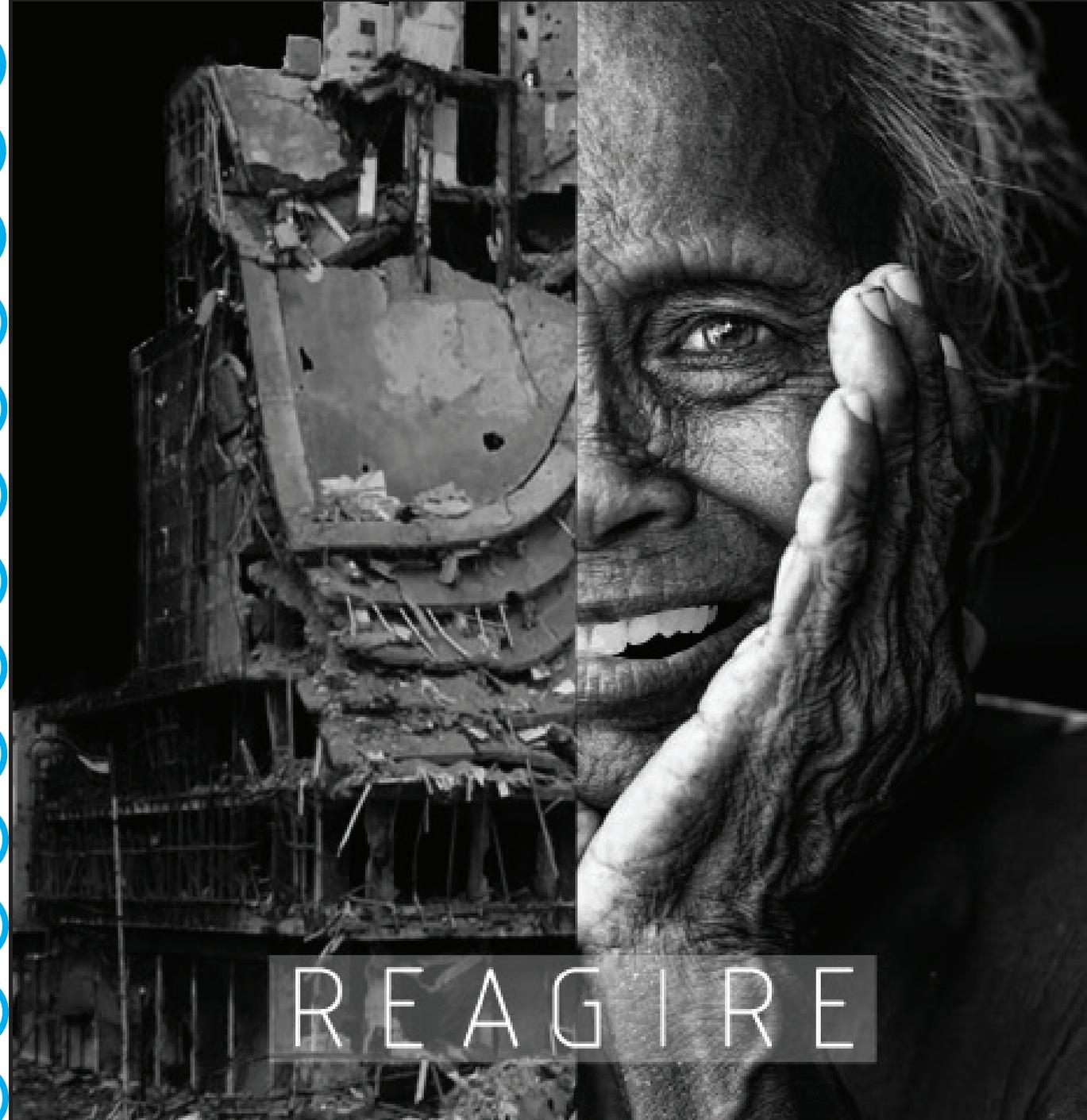
MCRIT is a consultancy company with deep experience assessing ICT impacts in the city of Barcelona, as well as carrying on research projects in the field, funded by the 7th European Framework Program, as well as the Spanish and Catalan research programs, especially in the area of smart mobility. MCRIT is investigating, together with the Local Council how to use information gathered from mobile phones to monitor mobility demand in the city. In a number of research projects funded by the 7th European Program MCRIT carried out benchmark analysis of new technologies being applied on transport and mobility, at urban and inter-urban scale, as well as advanced software and modelling tools able to assess their potential impacts. MCRIT have deep interest on education, and over the years, MCRIT experts have participated as invited professors in courses organized by laaC. MCRIT created ERSILIA Foundation aiming to transfer to the educational community at all levels the know-how of MCRIT in the use of advanced technologies, as well scenario-centric and project-based resources facilitating new educational paradigm.

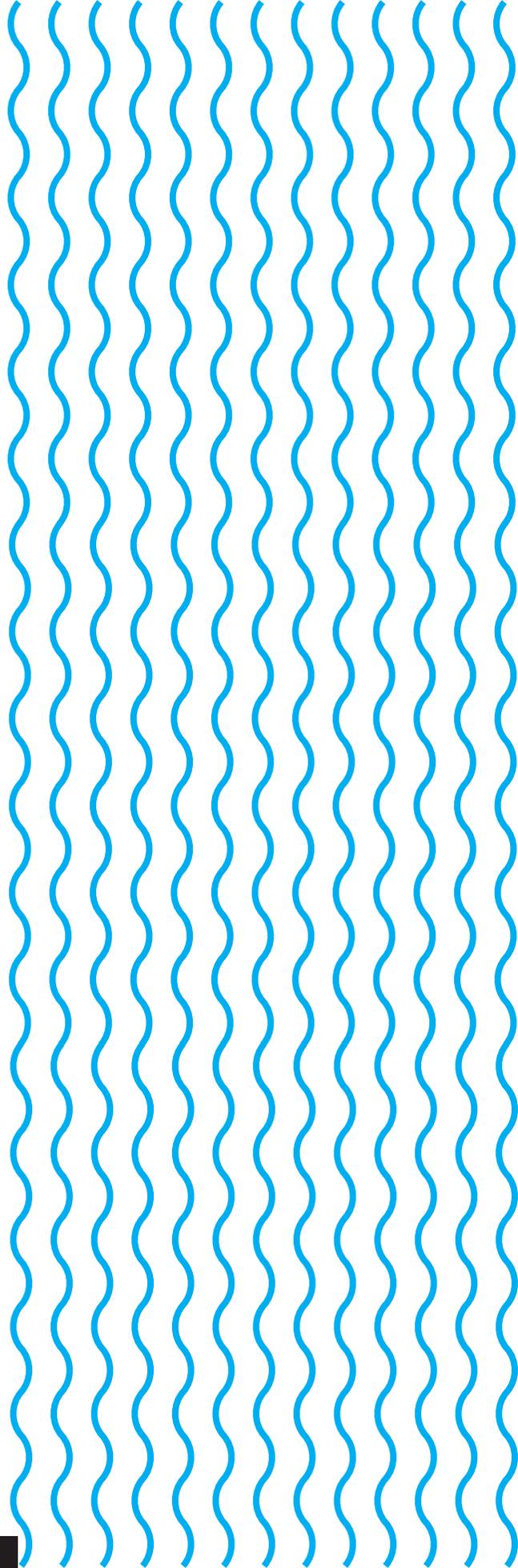


Mogni - Guerinoni Lombardi - Cicognola

REAGIRE

The image represents the relationship between architecture and mankind: they are both parts of the same system. When one part suffers the other is debilitated. In the left part of the picture there is a destroyed building. In the right part there is a smiling old lady. She proudly shows her wrinkles which are the result of the difficulties and the joy of her long life. The ruins melt with wrinkles creating just one organic picture. The experience is very important for being resilience. Reacting from the suffer and going on, make you learn from the past and mistakes to build a better future.





REFLECT THE CHANGE

Bignone - Brunengo - Vianello - Viale

REFLECT THE CHANGE

The image describes the world in the future where technology gains the upper hand on the human being and nature. Our planet is depicted polluted and chaotic. The only way to get out of this condition is reflecting the word to see it in a different way : In the reflected world , the man doesn't rule the nature and technology doesn't prevail on it. The mankind has learnt to live with nature and the technology. The 3 parts coexist in the same planet in a balanced way.



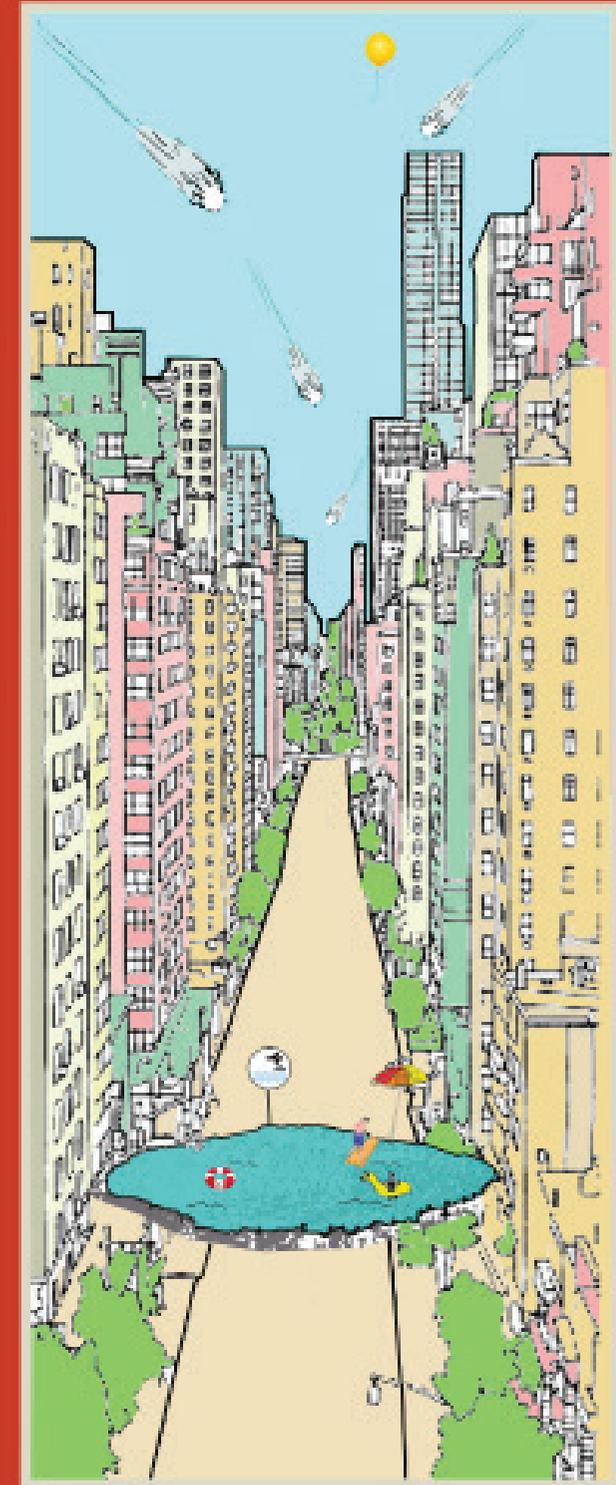
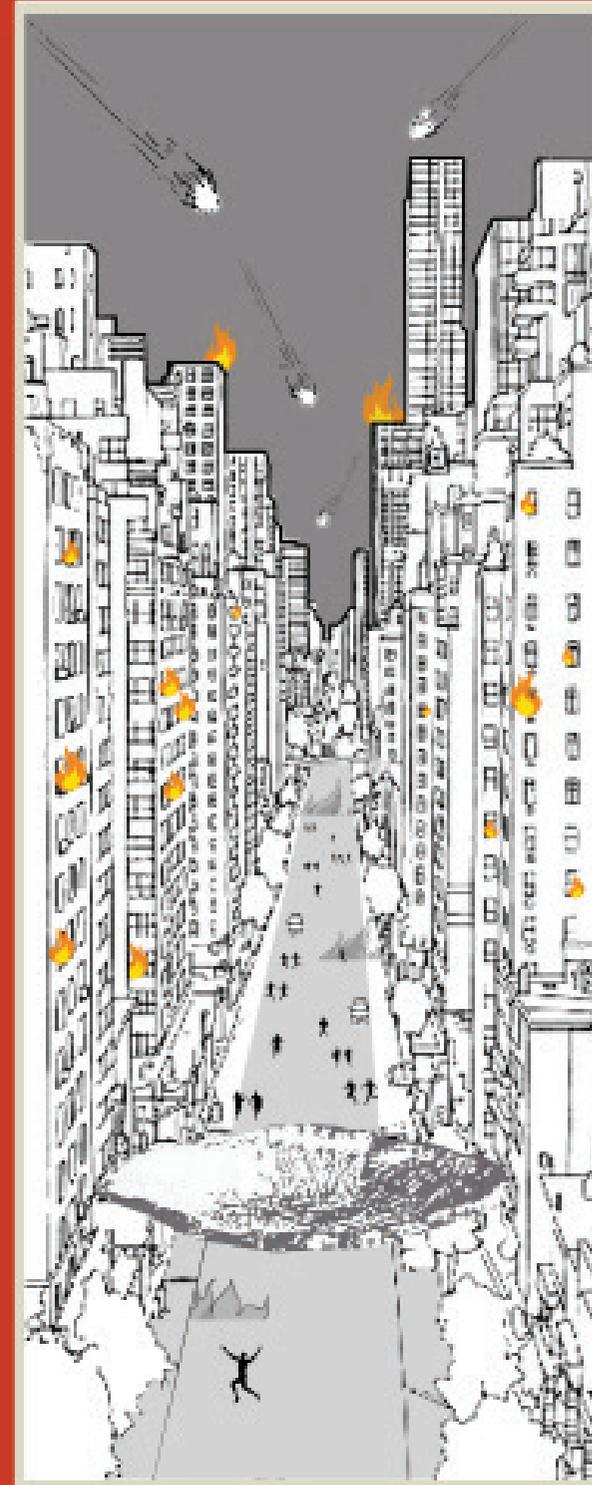
Ghio - Gargano - Ippolito - Michalyk

VULNER-ABILITY
Don't be hysterical - Go resilient

The two pictures describe the same fact: a meteor shower on our planet. It shows two different way to react. In one side the people are in a panic attack and everyone is hysterical and they run away searching for safety. In the other side the people are calm and they enjoy the catastrophe episode. They take advantages of the situation and with creativity they transform the end of the world in a pool party. The characteristic of a nation and the histeria level of the people who live in, define the ability to react positively against a tragic event like flood, heart-quake or terrorist attack.

VULNER - ABILITY

DONT BE HISTERICAL GO RESILIENT



Social (& bottom-up creating) innovation ACTIONS, OPERATIONS, IMAGINARIES

TEAM

USP GROUP:

Judith Sykes, Oliver Broadbent - USP
+ Jorge Mosquera

WORKSHOP PROPOSAL

The work of these two groups (coordinated by Judith Sykes) started after many considerations about the resilience as a concept and a quality for the built environment and its inhabitants. So after a moment of brainstorming it was clear how to proceed, one group focused on the resilient city and the other on the resilient community. For the students working on the resilient city it was more about principles. We looked for the principles at the base of a resilient community and tried to understand how a community should behave. Words as “responsability” came out as a synonym for the resilience if related to the community, a responsible community is a resilient community as well, a group of citizens that loves its environment and dares to preserve it never abandoning it. The resilient city was the theme of the second group that discussed about strategies that make a resilient city: how the vulnerability should be minimized in order to build and increase the adaptive capacity of the urban space; how we should combine and balance robustness with efficiency; how to reduce the passiveness and how a circular economy could help this process.

The students presented 2 different and interesting ideas:

Group 1_ “Recycle - Reuse - Rebuild - Resilient = Adaptive City”

Group 2_ “Resilience”

USEFUL SIMPLE PROJECTS (USP)

Useful Simple Projects (USP) is a consultancy company specialized in urban design and development. USP works with cities and delivery partners on major infrastructure and development projects to bring about broader sustainability outcomes. USP also runs engagement programmes with urban planners, cities, universities and built environment professionals to encourage systemic, multidisciplinary and innovative approaches. USP works with clients in particular to ensure that ICT systems and data management can be used to solve urban development challenges from maintenance of assets and efficient use of resources, to community engagement and city mobility. For this project USP will partner with their sister company Think Up who specialize in building learning and development programmes for the built environment. This includes through digital platforms and experiential learning. A key part of this work is to ensure that programmes have a long term impact and evaluate programme success.



Bottaro - Cavo - Drouin - Esibiti - Marin

RECYCLE - REUSE - REBUILD - RESILIENT
Adaptative City

The "Adaptive city" is the result of the discussion about strategies for a resilient city. A simple and clear manifesto for robustness and responsive city that implement the three R's at the base of the sustainable thinking.

DAVIDE BOTTARO
SABRINA CAVO
CONSTANCE DROUIN
CHIARA ESIBITI
RAPHAEL MARIN

International Forum
MED.NET3
RESILIENCE
Intelligent Cities /
Resilient Landscapes



ADAPTATIVE CITY





Bessero - D'Agostino - Fincato
Vangeli - Visciglia

RESILIENCE

"Resilience" for a community comes from the combination of many principles, as a tale made by different stories, this poster shows how all of these principles are connected to each other.



5.

CONCLUSIONS & RECOMENDATIONS

MANUEL GAUSA

Department Architecture Design – DAD, UNIGE
 Director of ADD Genova - Architecture & Design Phd Program

FINAL CONSIDERATIONS

In synergy with the contents presented in the International Symposium Med.Net.3 Resili(g)ence, the first BLITZ-INTERNATIONAL WORKSHOP Proactive Resili(G)ence (October, 28th 2016) was conceived as one day of exchanges between students, firm-experts and academic staff as an intense productive brain-storming to share knowledge and launch first in-puts for the next Summer School to be released in June 2017: every unit developed different intuitions and inspirations – concretized in a one-day POSTER format– to communicate key-concepts able to translate the combination intelligence and resilience for the urban contexts, in the framework of an advanced approach, called to sensitize cities and citizens. Different issues and out-puts were concretize, in this meeting between KA-AU Units and Students.

A.

Digital (& data-processing) innovation PROCESSES & RECORDS

KAU UNITS

Andrea Caridi - DARTS + Chiara Centanaro
 Àfrica Sabé Dausà, Claudia Roselló - Santa y Cole
 + Luca Ghedini, Anna Pacini
 Luis Falcón, Silvia Bianchini - inAtlas
 + Maddalena Piccini, Matilde Pitanti

In the context of a change of paradigms (from fixed representations to dynamic and evolutionary maps) and in the framework of the use of digital technologies and dynamic open-processes (digital software and multilayer & informational processes) students and tutors synthesized in a communicative and advise way, different approaches and discussions associated to the capacity the use of the new Real Time Data Technologies in urban and territorial resilient contexts.

Outputs: real-time records & open-processes/data-visualisation, data-orientation, data-applications.

– HOW TO COMBINE THE USE OF THE NEW TECHNOLOGIES WITH AN URBAN RESILIENT PREVENTION?

– HOW TO MIXED OLD DESIGNS AND NEW INTERFACES?

– HOW TO COMBINE RESILIENCE CONTEXT MANAGEMENT WITH PUBLIC AND VISITING APP. ATTRACTORS?

– HOW TO MIXED OLD CITIES AND NEW DATA?

– HOW TO CHANGE THE PERCEPTION OF URBAN BIGDATA FOR THE DESIGN OF THE CITY?

– HOW TO PROCESS THE DATA TO CREATE NEW SPATIAL CONFIGURATIONS?

CONCLUSIONS

B.
Environmental (& eco-systemic) innovation
NETWORKS & SYSTEMS

KAU UNITS

Elodie Nourrigat, Jacques Brion, Guillaume Girod,
Johan Laure - ENSAM
+ Benedetta Pignatti, Francesca Vercellino
Chiara Farinea - IAAC + Andrea Quartara

In the context of a change of paradigms (from land-uses planning to land-networked strategies) and in the framework of new approaches to complex structures and integrative networked-systems (multilayer informational programs, relational & responsive territorial structures) students and tutors synthesized in a communicative and advise way, different approaches and discussions associated to the capacity to work with integrative networks in urban and territorial resilient contexts.

Outputs: strategic scenarios / operational systems, strategic concepts

- HOW TO MIXED SOCIAL NETWORKS AND PHYSICAL NETWORKS?
- HOW TO COMBINE SENSORIZED ENVIRONMENTS WITH SENSIBLE (& SENSUAL) CONTEXTS?
- HOW TO WORK WITH URBAN GROWTHS AND NATURAL CROWNS?
- HOW TO MAKE PEOPLE COME TO THE SENSORS IN THE URBAN SPACE?
- HOW TO INTERPRET THE SENSOR DATA TO READ THE CITY?
- HOW TO CHOOSE BETWEEN STATIC OR MOBILE SENSORS IN THE READING OF THE CITY?

C.

Social (& bottom-up creating) innovation
ACTIONS, OPERATIONS, IMAGINARIES

KAU UNITS

Andreu Ulied - MCRIT
+ Elena Pisano
Judith Sykes, Oliver Broadbent - USP
+ Jorge Mosquera

In the context of a change of paradigms (from participation to co-production) and in the framework of new phenomena of social sharing dynamics and new collective behaviours/Relational structures – interactive experiences, active public & spatial devices and/or programs) students and tutors synthesized in a communicative and advise way possibilities, different approaches and discussions associated to the emergency of social and collective relationship and sharing actions and imaginaries in urban and territorial resilient contexts.

Outputs: collective actions / interactive interfaces / relational programs & imaginaries

- HOW TO PASS FROM THE VULNER-ABILITY TO THE ADAPT-ABILITY?
- HOW TO WORK WITH NEW RECYCLE –AND RECITYING– PROCESSES?
- HOW TO REFLECT IN A SOCIAL DIMENSION THE NEW REACTIVE AND RESPONSIVE CHANGE-CONDITIONS?
- HOW TO CHANGE THE NEW PUBLIC SPACES FROM STATIC TO ADAPTIVE?
- HOW TO PROCESS INFORMATION IN NEW DESIGN CODES?
- HOW TO MIXED OLD ACTION ON NEW IMAGINARY SCENARIOS?

A.
Digital (& data-processing) innovation
PROCESSES AND RECORDS

B.
Environmental (& eco-systemic)
innovation NETWORKS AND SYSTEMS

C.
Social (& bottom-up creating) innovation
ACTIONS, OPERATIONS, IMAGINARIES

CONCLUSIONS



A. Digital (& data-processing) innovation PROCESSES AND RECORDS

TUTORS TEAMS

DARTS GROUP:

Andrea Caridi + Chiara Centanaro

SANTA Y COLE GROUP:

África Sabé Dausà and Claudia Roselló + Luca Ghedini, Anna Pacini

INATLAS GROUP:

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B. Environmental (& eco-systemic) innovation NETWORKS AND SYSTEMS

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ACTIONS, OPERATIONS, IMAGINARIES

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6. CREDITS

BLITZ INTERNATIONAL WORKSHOP

Proactive Resili(G)ence
Friday 28|10|16

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