



POLITECNICO DI TORINO  
Repository ISTITUZIONALE

INTEGRATING HABITAT QUALITY INDEX TO SUPPORT URBAN DESIGN IN URBAN AREAS. The case of study Basse di Stura, Turin (Italy)

*Original*

INTEGRATING HABITAT QUALITY INDEX TO SUPPORT URBAN DESIGN IN URBAN AREAS. The case of study Basse di Stura, Turin (Italy) / Giaimo, Carolina. - In: NEWDIST. - ISSN 2283-8791. - ELETTRONICO. - Dicembre(2019), pp. 42-43.

*Availability:*

This version is available at: 11583/2788225 since: 2020-01-31T18:01:21Z

*Publisher:*

DIST, Politecnico e Università di Torino

*Published*

DOI:

*Terms of use:*

openAccess

This article is made available under terms and conditions as specified in the corresponding bibliographic description in the repository

*Publisher copyright*

(Article begins on next page)



# new Dist

NEWSLETTER SEMESTRALE  
DECEMBER 2019  
ISSN 2283-8791



DIPARTIMENTO INTERATENEEO DI SCIENZE  
PROGETTO E POLITICHE DEL TERRITORIO  
POLITECNICO E UNIVERSITÀ DI TORINO

- Research** SIAV. STEERING THE SPATIAL IMPACTS OF THE DIFFUSION OF AUTONOMOUS VEHICLES  
"CHIOMONTE SMART" PROJECT  
URBANISM. PART 2 OF 2 ... (FOR NOW)  
TRUST. TRANSDISCIPLINARITY FOR URBAN SUSTAINABILITY TRANSITION  
YOUNG INVESTIGATOR TRAINING PROGRAM 2019  
PREVENTION AND SAFETY OF ECCLESIASTICAL HERITAGE  
CESBAMED AND MOLOC  
MARIA GIOVANNA BATTISTA DI SAVOIA NEMOURS (MGB)
- Education** FIRST INTERNATIONAL SUMMER SCHOOL ON URBAN RESILIENCE  
"EXTRA" TEACHING ACTIVITIES BY THE SCHOOL OF PLANNING AND DESIGN  
DESIGNING RESILIENT HERITAGE LANDSCAPES  
SARDINIA RELOADED: WALKING ACROSS MARGINAL TERRITORIES  
PIANIFICAZIONE STRATEGICA PER LA CITTÀ RESILIENTE  
METHODS AND TECHNIQUES FOR RESILIENT TERRITORIES  
DRINKSCAPE PROGRAM
- Conference** IMPROVING THE WALKABILITY FOR NEXT-GENERATION CITIES AND TERRITORIES  
FOSS4G-IT 2020  
INCONTRI CON IL PAESAGGIO LECTURE SERIES. XI EDITION  
R3C PANEL "MEASURING TERRITORIAL VULNERABILITIES"  
R3C ROUNDTABLE "URBAN RESILIENCE FOR RISK AND ADAPTATION GOVERNANCE"  
R3C AT THE XL AISRE ANNUAL CONFERENCE  
R3C AT URBANPROMO GREEN  
THE PUBLIC SPACE IN THE ANTHROPOCENE ERA  
INTERNATIONAL TRANSDISCIPLINARITY CONFERENCE 2019  
INTEGRATING HABITAT QUALITY INDEX TO SUPPORT URBAN DESIGN IN URBAN AREAS
- Seminar** LA CITTÀ MEDIEVALE È LA CITTÀ DEI FRATI?  
ATLOT TURIN
- Event** WALKING BEYOND URBAN WALKS THROUGH THE CONTEMPORARY CITY  
LECTIO MAGISTRALIS BY MARIO SCHJETNAN
- Exhibition** SETTING UP AN EXHIBITION IN A ROYAL RESIDENCE. LEONARDO AT VALENTINO CASTLE  
LEONARDO, TECNICA E TERRITORIO... AT CHILDREN SIZE!  
REGENERATING THE PUBLIC SPACE  
GREEN BOX. A GARDEN FOR ART IN BORGO SAN PAOLO
- Publication** URBAN LANDSCAPES IN HIGH-DENSITY CITIES. PARKS, STREETSCAPES, ECOSYSTEMS  
NUOVA ENERGIA PER L'AFRICA. 45 ANNI DI COOPERAZIONE CONTROCORRENTE  
PLANNING FOR RESILIENCE. NEW PATHS FOR MANAGING UNCERTAINTY  
TERRITORIO E PRODUZIONE

## INTEGRATING HABITAT QUALITY INDEX TO SUPPORT URBAN DESIGN IN URBAN AREAS

The case of study “Basse di Stura”, Turin (Italy)



Poster presentation at **ESP10 World Conference**

10 years advancing ecosystem services science, policy and practice for a sustainable future



Venue of the ESP10 - 10 years advancing ecosystem services science, policy and practice for a sustainable future. Leibniz University in Hannover/Germany (ph: C. Giaimo).

Opening Day of the 10th ESP world conference on 21st of October at Leibniz University in Hannover/Germany (ph: www.franzbischof.de)

<https://www.esconference.org/esp10>

According to some activities conceived, financed and developed in the field of teaching (Design Workshop “Regenerating public space: standard, soil and ecosystem services”, an educational project promoted by the College of Planning and Design of the DIST-Polytechnic of Turin within the framework of the project of Excellence MIUR 2018-2022) and research (Eco-welfare and Intermunicipal governance: soil as an infrastructure for regenerating territories”, a multidisciplinary research co-funded by DIST Excellence Dept. of the Polytechnic of Turin in cooperation with a range of institutional and academic organizations) **Basse di Stura** was considered an interesting case to defining both operational methods to produce “new knowledge” in support of territorial governance processes aimed at limiting soil consumption (zero balance), and design methodologies for the public space as a strategic area for integrated policies of urban, ecological-landscape, historical-environmental and architectural regeneration of the contemporary city.

Basse di Stura is an area of 150 hectares located to the north-west on the edge of the densely settled system while forming a diaphragm with the north ring road of Turin. Despite the presence of partly abandoned industrial activities, here the Stura River once flowed in a typically agricultural landscape, which traces are still visible by the presence of some farmhouses disused and degraded and a residual cultivated landscape, which remained almost unchanged over time (even suffering the harmful effects of the surrounding activities). The General Land Use Plan classifies the area between urban and river parks.

The problem that the study wants to face is related to the awareness that within the challenges of the contemporary city, it’s crucial to define effective methodology and tools supporting urban regeneration. Above all, greening actions are a pillar for urban well-being as well as to face climate change. From a general large-scale perspective, the Habitat Quality of green urban areas is generally considered low, since the fragmentation has been accounted as the most threatening cause of ecological degradation. This is true to a certain extent since this approach is undoubtedly valid at the territorial level. Specifically, the study puts particular attention to public green areas, public spaces equipped as parks or gardens, for child play and leisure, urban forests and urban gardens, designed spaces organized according to the criterion of adequate accessibility and usability, ecological continuity, ecosystem functionality and the improvement of biodiversity also due to the reduction of heat islands.







**NEWSLETTER  
SEMESTRALE  
DECEMBER 2019**

**[www.dist.polito.it](http://www.dist.polito.it) / [dist@polito.it](mailto:dist@polito.it)**

**NewDist - ISSN 2283-8791**

NEWSLETTER SEMESTRALE DEL  
DIPARTIMENTO INTERATENEO  
DI SCIENZE, PROGETTO E POLITICHE DEL TERRITORIO  
POLITECNICO E UNIVERSITÀ DI TORINO

*Direttore responsabile*

Andrea Bocco

*Redazione*

Costanzo Mercugliano, Luisa Montobbio

E-mail: [costanzo.mercugliano@polito.it](mailto:costanzo.mercugliano@polito.it)

*Editore*

DIST, Politecnico e Università di Torino

Viale Mattioli, 39 – 10125 Torino

Tel.: (+39) 011 090 7456 – Fax: (+39) 011 090 7499



**DIPARTIMENTO INTERATENEO DI SCIENZE  
PROGETTO E POLITICHE DEL TERRITORIO  
POLITECNICO E UNIVERSITÀ DI TORINO**