

Promoter:



Relatore:

Alessandro Bianchi

Politecnico di Milano

**PLAY
GROUND
FOR
FUTURE**

INCLUSIVITY

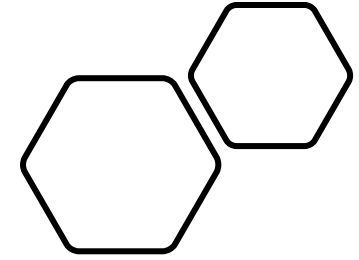


CEN TR 16467

**(European Committee for
Standardization)**

**«Playground equipment accessible for
all children»**

I bambini e i ragazzi che accedono ai playground non sono «utenti», sono persone, e in quanto tali non usufruiscono semplicemente di un servizio ma si aprono al mondo con un atteggiamento relazionale, cercano di essere corrisposti, non solo soddisfatti



COLOURFUL PLAYSCAPES TO STIMULATE INTERACTION

"HORSELAND" SPORTS SPACE AND PLAYGROUND IN CHONGQING

Location
Chongqing, China

Client/Operator
DongYuan Dichan Properties

Architect & Principal Designer
100 Architects (Shanghai) Co., Ltd.
CN – Shanghai
www.100architects.com

Author of project text
Marcel Jesús, Javier González,
Lara Broglio, Mónica Pérez, Keith Gong

Author
100 Architects

Photos
DongYuan Dichan Properties

Official opening
January 2019

Construction costs
USD 375,000
(EUR 319,000)

Horseland is a public space project comprising a combination of landscape design and various outdoor elements in a single space, such as sports features, playground features for kids and leisure features for adults. 100 Architects is following up on its serial theme of "horses". The design of this vibrant and multifunctional public space resembles the abstract geometry of a horse when viewed from the air.

Inspired by the circular sketching strokes commonly used to draw animals' anatomy, the circle was used as the basic geometry to depict the different parts of the horse's body, as a design strategy to subdivide the space into multiple smaller functional pockets to convert the playground into a multifunctional space to be enjoyed by kids and adults alike.

Applying this idea to the spatial organisation strategy of the project, the idea was to create a multifunctional public space by combining and intersecting smaller independent portions of cir-

cles, using smaller circles for simple functions and larger circles for more elaborate ones.

An invitation to engage in outdoor fitness activities

Besides leisure spaces targeted at adults, such as seating and resting areas, the project also features a series of play pockets for the enjoyment of young users, such as a climbing surface, an amphitheatre hill and a mini basketball court. However, the most prominent and eye-catching feature is the largest circle, which consists of a circular elevated pipe, from which many

sports-related features for outdoor fitness activities are suspended, and includes a fitness area to complete the functional program.

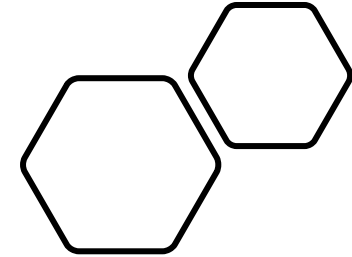
The horse is surrounded by circles of greenery to add a dash of nature to the proposal and complement the overall dotted landscape.

Custom-lighting features were designed specifically for this project, featuring branched posts with spherical bulbs matching the circular design language.

Colour scheme

The vast majority of the play and sports spaces are implemented with EPDM rubber in multiple vibrant colours to highlight the intersections of different circles. The remaining circulation space is surfaced with paving stone in shades of grey and contrasts sharply with the shape of the horse.

La persona diversamente abile deve essere in grado di **accedere**.
Senza un facile accesso non importa quanto eccitante sia la struttura, non è di alcuna utilità. Devono essere predisposti **percorsi e vie di accesso** per tutti i bambini



Location
Melbourne VIC, Australia

Client/owner
Level Crossing Removal Authority, Landlease, CFB

Design practice
ASPECT Studios
AU - Melbourne VIC 3000
www.aspect-studios.com

Lead architect
Cox Architecture
AU - Melbourne VIC 3000
www.coxarchitecture.com.au

Key consultants
Aurecon, WSP,
Communications, John Rayner

Author
ASPECT Studios

Photos
Terri Berriets and Dianna Snape

Official opening
2019

Construction costs
AUD 1.6 billion (EUR 973 million)

ON TRACK

DEVELOPING URBAN OPEN SPACE IN MELBOURNE

Melbourne's busiest rail line has undergone a transformation with the AUD 1.6 billion project. ASPECT Studios thought of an elevated rail solution for this corridor. The removal of nine level crossings along the rail corridor opens up space for a public realm that was previously unavailable and provides more opportunities for community use under the rail line. The elevation creates more than 11 football fields of open space, parklands and new community areas, as well as 17 km of pedestrian and cyclist paths.

The Caulfield to Dandenong Level Crossing Removal Project has completely transformed and reconnected its surrounding communities. The project replaced nine dangerous rail level crossings with five elevated railway stations along one of Melbourne's busiest transport corridors. By elevating the line and stations, this project presented an opportunity to transform an extensive area of metropolitan Melbourne into a new linear park.

While the original emphasis of the project was on elevating the existing rail line and removing the level crossings, the focus on creating new public space opened many additional opportunities for community use and connection. For decades, this rail corridor had acted as a major barrier to the surrounding urban area, adding to road congestion, limiting links between suburbs and restricting the introduction of new rail services. As well as reconnecting communities, the

...non solo per i ragazzi su sedie a rotelle, ma anche per le madri con i passeggini, persone con altri ausili per la mobilità, ipovedenti o che hanno difficoltà a camminare e sono instabili sui loro piedi



UNITING EVERYONE FROM TODDLERS TO SENIOR CITIZENS

URBAN SPORTS PARKS IN KONGSVINGER

Location
Kongsvinger, Norway

Client/operator
Municipality of Kongsvinger

Architects
Aktiv Park AS
NO - 3126 Tønsberg
www.aktivpark.no

Author
Emily Smith

Photos
Aktiv Park AS

Official opening
2019

Construction costs
NOK 20.8 million
(EUR 1.9 million)

The Municipality of Kongsvinger is home to one of the first next-generation urban sports parks in Norway. On the banks of the Glomma, Norway's largest river, the so called "Strandpromenaden" have been revitalized and are now offering public realm for physical activity and relaxation for users of any age. The Kongsvinger Skateboard Association yielded stimulus when requesting the Municipality of Kongsvinger to build a skatepark.

Strandpromenaden, next to Kongsvinger Ungdomsskole (Kongsvinger secondary school), provided a well placed and scenic location, on the riverside path of the municipality. This choice of site clearly demonstrates the high value that the municipality shows towards the younger inhabitants and towards active spaces.

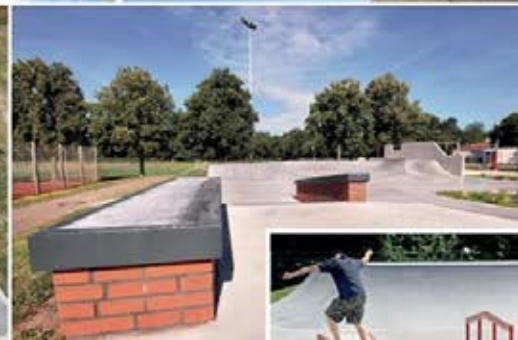
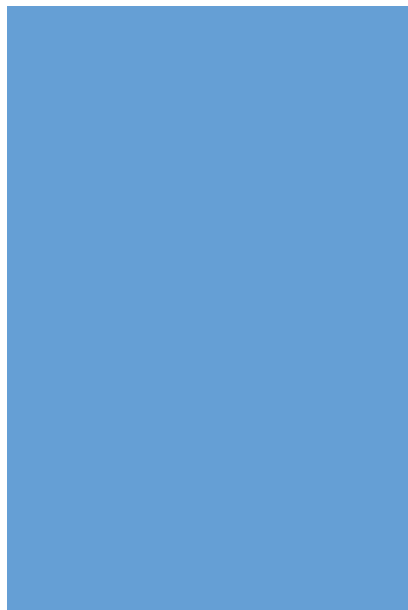
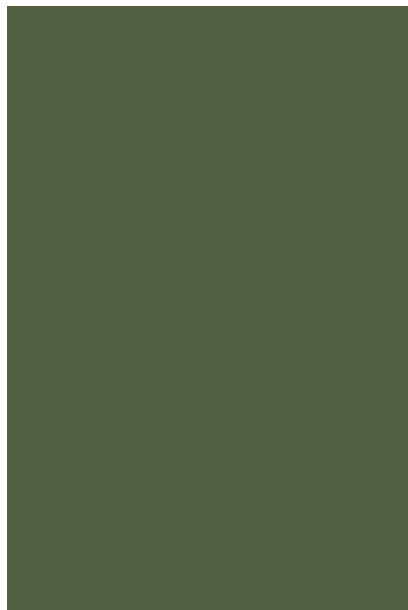
Aktiv Park were commissioned to develop designs for the entire Strandpromenaden, extending the remit from the skatepark to

include a wider range of urban sports – parkour, climbing, trampolining and free play – along with social spaces and landscaping.

The project was awarded a grant of almost NOK 4 million from the Ministry of Culture for an Innovative Active Facility. The Innovative Active Facility scheme promotes innovation and creativity in the design of facility for self-organized activities, with the aim of increasing physical activity in the wider population.



Le **pavimentazioni** dovrebbero essere selezionate con attenzione perché possono essere utilizzate sia per aiutare che per limitare l'accesso a un oggetto. I **percorsi** non devono avere ostacoli, dal parcheggio sino alla singola attrezzature



A BIG COMMITMENT TO URBAN SPORT

HILSTRUP EXERCISE PARK IN MÜNSTER

The exercise park in the Hilstrup district of Münster is attracting visitors with a new skate park, a parkour installation together with calisthenics training equipment, and a slackline area. For several years, a group of young enthusiasts has been campaigning for urban sports opportunities in their district – a commitment that has now been rewarded with the extension of an existing sports facility. The facility designed by DSGN CONCEPT provides exercise opportunities for both beginners and the advanced.

As a consequence of the old skate park at Hilstrup railway station being demolished without replacement, local skateboarders set up a pressure group in 2014 with the support of VSE Münster-Hilstrup. It quickly transpired that Hilstrup lacked space for urban mass sports in general, which shifted the focus from purely a skate park to an exercise park with a wide variety of activities.

and the Münster-Hilstrup district council were involved in the project. Around 800 signatures were submitted in 2017. The overall strategy was developed in close cooperation with the sports department and the department for parks & gardens, environment and sustainability. Budget funds amounting to EUR 400,000 were approved for the realisation of the exercise park. The Münster-Hilstrup district council contributed a further EUR 20,000 for a shelter. With this overall budget, DSGN CONCEPTS was able to carry out the planning. Ideas were generated in three participation workshops

A number of obstacles had to be overcome, starting with launching a petition and getting the concerns placed on the local politi-

Clinker brick

The 500 m² skate park features various ramps and street skating elements such as ledges and handrails. The entire skate park is designed so that beginners can improve gradually and the proficient have plenty to challenge them. The skate park can be used as a circuit or in individual sections. The size of the facility is comparable to that of a classic neighbourhood park and is open to high frequentation, although the facility is primarily suitable for skateboards, inline skates and BMX bikes. Barrier-free access allows wheelchair use and contributes to inclusion.

Due to the nature of the sport, concrete dominates the design of the skate park. In order to break up this monotony, fine accentuation has been achieved with the clinker facing of the bases of the street elements using typical Münsterland red brick. In addition, details such as the red-painted rails and edges made of hot-dip galvanised steel add to the park's overall aesthetics. A greened area has been integrated into the centre of the facility, which not only accommodates environment-friendly drainage but is also an eye-catching feature, because the

Diversified parkour installation

In the northern area of the exercise park is the 150 m² parkour area. It is located at a point directly adjacent to the skating area and exploits the required difference in levels. Here, too, the elements are of concrete with a sandblasted surface that provides sufficient traction for users, as well as railings and bars made of red painted, hot-dip galvanised steel.

The parkour installation can be roughly divided into two areas: a paved area with lower elements, such as walls, bollards and railings, with a maximum drop of one metre. The distances and heights were chosen so that beginners and the advanced can safely practise the basic moves here. The area with higher elements and a maximum drop of 2.5 m was, however, equipped with joint-free fall protection made of rubber granulate in a discreet shade of beige. The area is dominated by bars for swinging at different heights and with varying diameters, so that users both large and small can train effectively. Elements like parallel bars and a high bar offer training oppor-

Location
Münster (West), Germany
Client/operator
City of Münster, sports department

Planner
DSGN CONCEPTS
DE + 48155 Münster
www.dsgn-concepts.de

Design team members
Tilip Lohovic – Skate park
Dominik Mays – Parkour facility

Author
DSGN CONCEPTS

Photo
DSGN CONCEPTS and Thomas Gentsch

Official opening
19 June 2020

Inclusività totale significa stimolare i bambini e consentire loro di **sviluppare le proprie abilità**, quali esse siano, piene o limitate.

Attrezzature ludiche e sportive in grado di avvicinare i ragazzi, di svilupparne gli aspetti sensoriali, di accogliere le **diversità come ricchezza**



FLOW MOTION

ALMEU FLOWPARK SKATE FACILITY IN BÜREN

Location
Büren, Germany

Client/operator
City of Büren

Landscape architect
Maier Landschaftsarchitektur /
Betonlandschaften
DE - 51107 Köln
www.maierlandschaftsarchitektur.de
www.betonlandschaften.de

Design team members
Marcel Wiegand, Balint Rönner, Ralf Maier

Author
Ralf Maier

Photos
Ralf Maier

Official opening
April 2020

Maier Landschaftsarchitektur/Betonlandschaften have created a skate park in the historic centre of the town of Büren. The Alme brook winding through it was the inspiration for the Flowpark and its notion of the „free-wheeling experience of flow“, in two senses. Firstly, the meandering course of the Alme inspired the shape of the „flowing“ skate park (Flowpark). And, secondly, skateboarders as well as users of longboards, BMX and MTB bikes, inline and roller skates and scooters can enjoy the free-wheeling experience of flow.

These sports revolve around individual exercise and creative appropriation of the available space. The skate park is not only embedded in the landscape like a river (just like the Alme in its floodplain), but also enables users to „go with the flow“, i.e. enjoy a fluid ride. Thanks to its shallow ramps and elements, very young users can also learn to skate in this park (even the under-threes) and thus acquire social and

Inclusion as the basic idea

At the planning stage, several participatory meetings were held with future users, with the issue of inclusion in particular playing a major role in the overall strategy. This finds expression in barrier-free access and wheelchair accessibility and the park's eligibility for wheelchair sports competition (WHC). Skate parks should be equally attractive for activities with

for many other action sports enthusiasts, regardless of gender, age or ability. By virtue of its versatility, the park aims to strike a blow for inclusion and break down boundaries between users. Each sport is practised in its own way and therefore has different expectations of a park, but the basic approach of the various disciplines is very similar.

Input from public participation

The elements of the Almeu Flowpark have been planned in accordance with proposals from workshops. Approaches to elements are designed to be used by wheelchair users who can jump either barely or not at all. The Flowpark has been built using a type of concrete that is easy to maintain and has an expected service life

In addition to inclusion, skate parks also serve to integrate people of migrant origin. Skateboarding brings people together and helps adolescents to find meaning and identity, especially as they grow up.

The outcome is a hang-out created especially for adolescents. Previously, the Almeu park has provided more play opportunities for children; but now adolescents, through their advance involvement, have been able to impress their stamp on the new facility. Thanks to its organic shaping, the Flowpark blends harmoniously into the overall landscape and neighbourhood of historic buildings. From its outline, a logo has been specially developed to illustrate the distinctiveness and recognition value of this skate park's basic shape. On completion of the facility,



L'UISP, **Unione Italiana Sport per tutti**,
è un Ente di promozione sportiva,
riconosciuto dal CONI, è anche una
Associazione di Promozione Sociale
che nella sua mission associativa prevede
l'impegno con le persone con disabilità
come prioritario, in piena coerenza
con i suoi valori e le finalità sociali.



Strumento linguistico

Utilizza un linguaggio specifico

Strumento cognitivo

Promuove l'esplorazione e la conoscenza di sé, degli altri e del mondo

Facilitatore relazionale

Permette di confrontarsi con le proprie emozioni e con quelle degli altri, creando canali di comunicazione e di relazione

Strategia didattica

Motiva piacevolmente il lavoro

Strumento didattico

Favorisce l'apprendimento attraverso l'esperienza

IL GIOCO



Strumento formativo

Crea occasioni di confronto e verifica



SCHEMI MOTORI DI BASE

UNITÀ MOTORIE DI BASE

Camminare
Correre
Saltare
Lanciare
Afferrare
Strisciare
Rotolare
Arrampicarsi
Dondolare

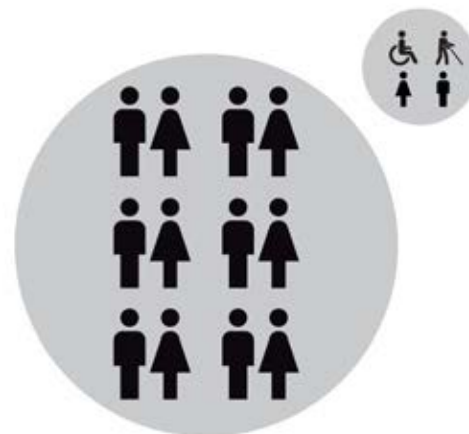
Per ogni capacità motoria un gioco,
meglio se si uniscono varie unità

Immagine 4. Differenze tra i modelli di integrazione e discriminazione

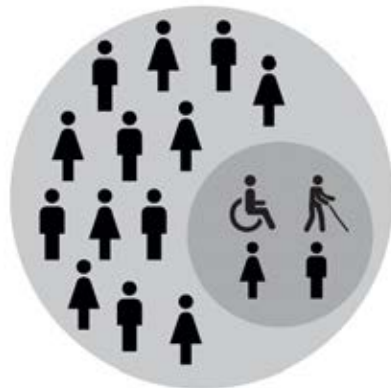
ESCLUSIONE



SEGREGAZIONE



INTEGRAZIONE



INCLUSIONE



NEW SPORTS





Il parkour è una disciplina sportiva nata in Francia a partire dalla metà degli anni 1980. Consiste nell'abilità di compiere un percorso partendo da un punto A e arrivando a un punto B, superando qualsiasi genere di ostacolo in maniera veloce ed efficiente.



**FREE
RUNNING**

Nel **freerunning** si crea quasi una connessione tra cose, non è solo una questione di distanza o di tempo, ma anche di come ti **muovi in aria**.

Trick, movimento e creatività sono una parte fondamentale di questo sport.



CROSSFIT

Viene promosso sia come
una **filosofia dell'esercizio fisico**
sia come uno sport agonistico.

Allenamenti ad alta intensità e ad
intervalli, pliometria, powerlifting,
ginnastica, sollevamento kettlebell,
ginnastica artistica,
strongman e altri esercizi.



Street workout è allenamento
eseguito nelle strade, nelle spiagge
o nei parchi attrezzati:
parallele, spalliere, sbarre per trazioni,
corde, anelli...
Esso fa parte del mondo della
callistenia dato che la sua esecuzione
è totalmente a corpo libero.



Il **padel tennis** è nato negli USA,
a Manhattan, e si sviluppa in modo
simile al tennis.

Rispetto a questo, il campo da gioco
è più piccolo, la rete più bassa,
e le racchette sono di materiale
solido e non sono provviste di corde.
Praticabile **ovunque in città**.



Percorso acrobatico in altezza
costituito da diversi percorsi aerei
posti a varie altezze da terra che,
con l'aiuto di liane, ponti tibetani,
cavi (teleferiche), reti e passerelle,
permettono di passare da un albero
all'altro. Spesso associati anche
a pareti per **arrampicata**

NEW PLACES



TACTICAL URBANISM NOW!



L'**urbanistica tattica** raccoglie una varietà di interventi sugli spazi pubblici che non richiedono importanti investimenti. Urbanistica **pop-up**. Sono condivisi, non invasivi, innovativi e spesso temporanei. Un modo per **riavvicinare** in modo concreto gli abitanti alla città



*STREET
ART

Il termine è riferito a quelle **forme di arte** che si manifestano in luoghi pubblici, spesso **illegalmente**, nelle tecniche più disparate: bombolette spray, adesivi artistici, arte normografica, sculture ecc...



**Il graffitismo è
una manifestazione sociale e culturale
di pittura murale diffusa
in tutto il pianeta,
basata sull'espressione della
propria creatività
tramite interventi pittorici
sul tessuto urbano.**

TRADITIONAL





GREENERY



Integrazione di nuovi alberi nei contesti riqualificati

Biblioteca
degli
Alberi





Quando si opera all'interno di contesti urbani, centrali o periferici, è spesso necessario **rigenerare**. I nuovi playground devono essere occasione di interventi di **depavimentazione** e inserimento di nuova **vegetazione**, all'insegna della sostenibilità.

CARE AND SAFETY




ADOTTA UNA PANCHINA O UN ALBERO AL BOSCO DI CAPODIMONTE
Racconta la tua storia e regala ossigeno all'ambiente



INFO
 AMICI DI CAPODIMONTE ETS www.amicidicapodimonte.org



Adottare e curare il playground.

Chiunque può diventare partner del Comune di Roma: soggetti pubblici o privati, singoli cittadini, associazioni, condomini, enti, università, scuole, società, banche, negozi, bar, chioschi, studi professionali...

Responsabilità è sicurezza.

NEW EXPERIENCE





Athletics Exploratorium

Odense, Denmark



A | X
ARMANI EXCHANGE



STREET BASKET NEW YORK CITY



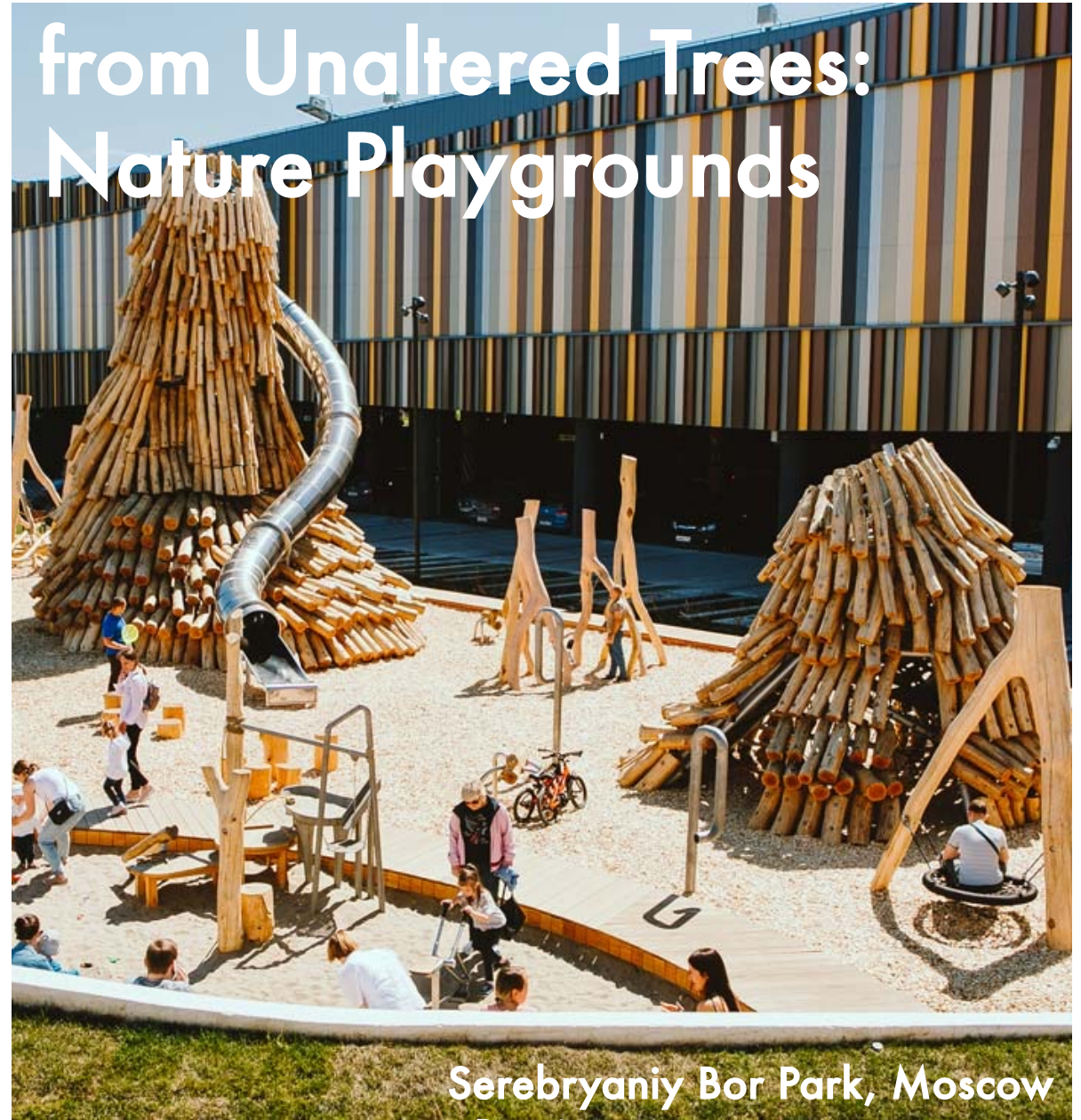
TOKYO 2020



Constructing Artistic Raw



from Unaltered Trees: Nature Playgrounds



ROME FLOWS





ROMA mobilità

Legenda

Corridoi
Esiste

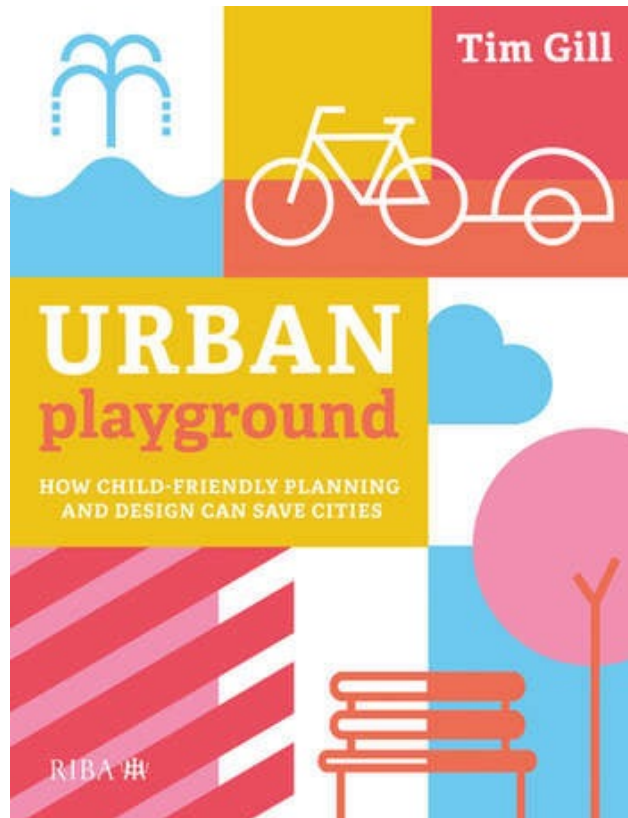


Intercettare i **flussi urbani** delle piste ciclopedonali, anche spontanee, per decidere dove collocare i nuovi playground.

Interventi classificabili come

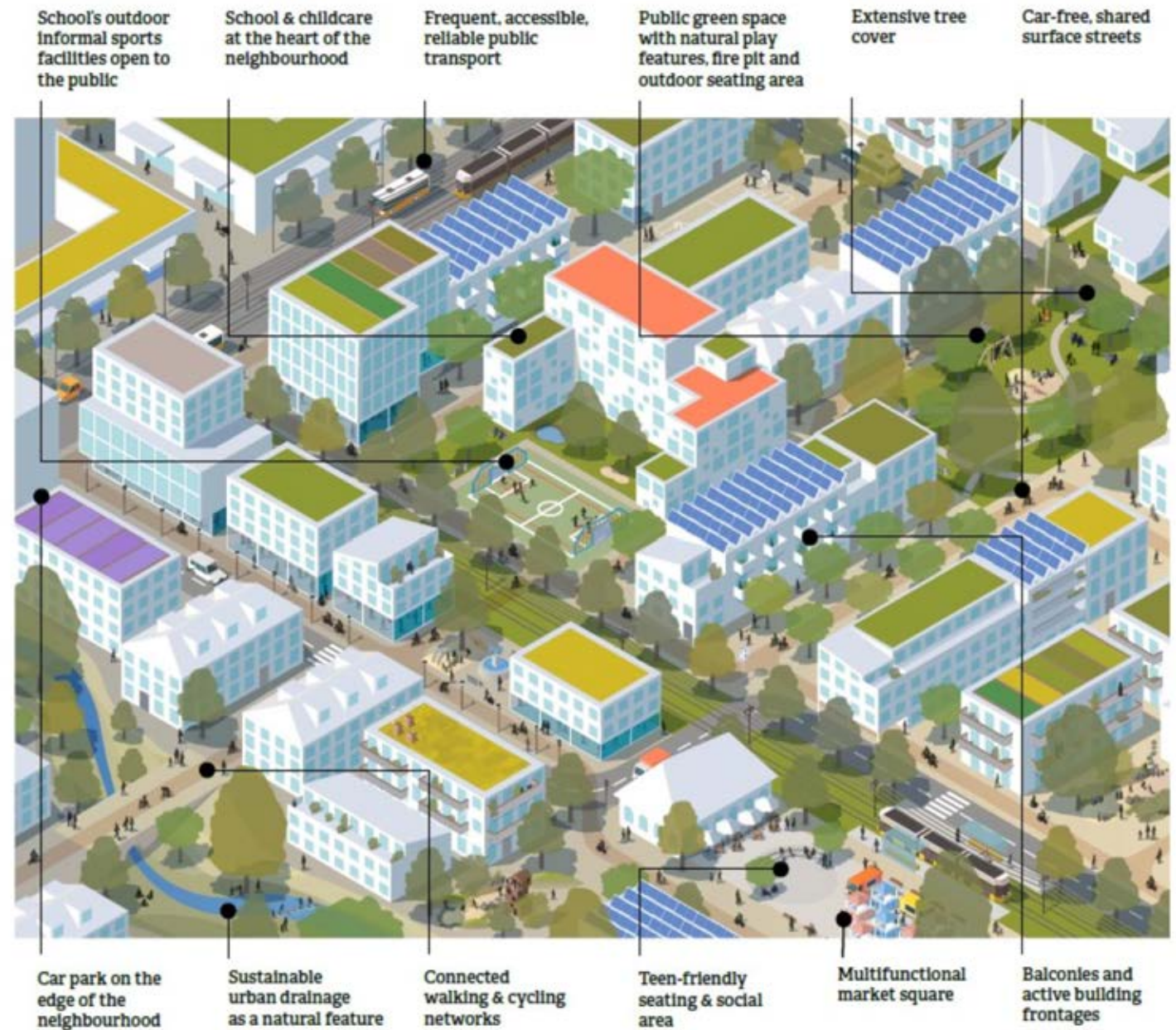
Small - Medium - Large

a secondo della densità dell'utenza, in particolare quella in età scolare.



*Urban Playground
How Child-Friendly Planning and
Design Can Save Cities*

By Tim Gill
2021 by RIBA Publishing



Integrare i playground nella città dei 15 minuti, raggiungibili a piedi e in bicicletta in breve tempo, anche senza mezzi pubblici o automobile, vicini alle scuole o ai centri civici. Interventi diffusi e inclusivi, possibilmente di rigenerazione urbana, a misura di teenager.

THANKS

*"I bambini disabili nascono due volte:
la prima li vede impreparati al mondo,
la seconda è una rinascita affidata
all'amore e all'intelligenza degli altri.
Ma questa rinascita esige anche negli altri
un cambiamento integrale nei confronti
dell'handicap: un limite fisico o mentale
che, direttamente o indirettamente,
prima o poi, ci coinvolge tutti.
E che in un'epoca dove si esalta la sfida
fine a se stessa come superamento del
limite, impone la sfida più importante,
che è la consapevolezza
e l'accettazione del limite"*

Giuseppe Pontiggia