

Matera





What if, instead of renting or buying the infrastructure for all the events of 2019, we start a design school and develop it locally?



Scientific Director: Joseph Grima

Project manager: Rita Orlando



2 lab managers

1 communication officer

2 technical coordinators

15 professionals selected through international public calls

(architects, designers, artisans, engineers, carpenters, artists, performers, interaction designers, software developers, graphic designers, photographers)

Matera



- learning by doing
- interdisciplinary and multicultural approach
- sharing of knowledge as the core of the program
- horizontality: everybody teaches and everybody learns
- collaborative local and European network
- documentation and communication of processes

- Tools and infrastructure for Matera 2019.

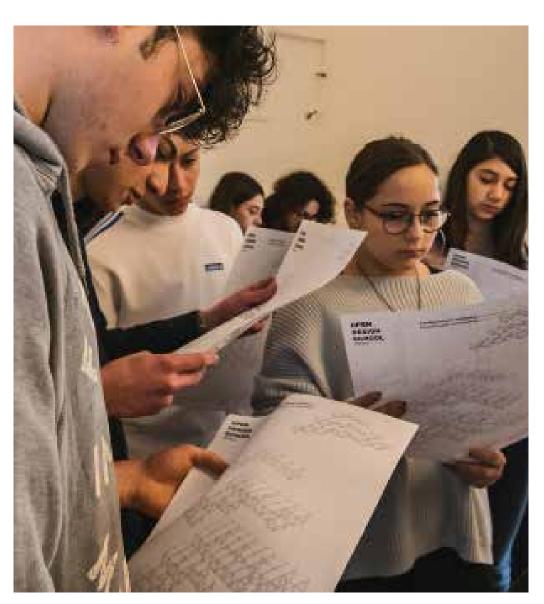
 Display and communication of culture with outsource as little hardware as possible.
- Highlight the local, urban particularities as a starting point for global tools Create an abacus of possible configurations informing the design of the system.
- Define a precise educational program for both the participants of ODS and the community Workshop, lectures and informal meetings
- Develop an open design process

 Develop the Open Structure philosophy and the scaffolding system of the United Structure
- Mix the use of local knowledge and traditional craft with new technologies and global experiences
 - From tradition and knowledge to global experiences and new technologies
- Design and organize public events to be used for prototyping and testing (crash test)



ODS ongoing activities

Matera



- two main workshops: the Venues of Matera 2019
 Stage system for public space
- workshops' participants:
 1/3 from Matera
 1/3 from Italy
 1/3 from abroad
- community building: open workshops open talks



The venues of Matera 2019: toolkit

OPEN DESIGN SCHOOL Matera

With more than 400 venues mapped, the project provides both technical and visual information of each place and is focused not only on the historical center of Matera but also on its peripheral areas and the region, underlining the capacity of the city and region as a whole.

The goal is also to prepare the city for its further development by transforming public spaces, pathways, fields, and architectural complexes into dynamic points to be discovered in the space, and eventually into venues able to host a variety of events from 2019 onwards.

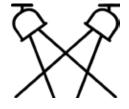
Goals

Matera

Identify and explore places with potential to host events in the next European Capital of Culture



Show the potential of (underused) spaces that can host events beyond 2019





Underline the capacity of the city and region beyond the well known historical center

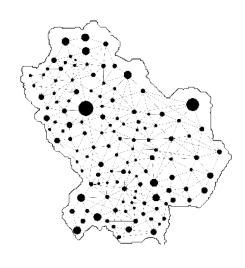


Put the spotlight on the unknown or forgotten venues in the city, helping to open a debate.

OPEN DESIGN SCHOOL Matera

Goals

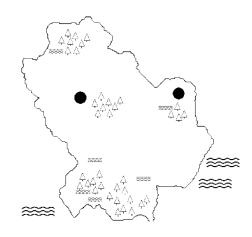
CONNECT VENUES



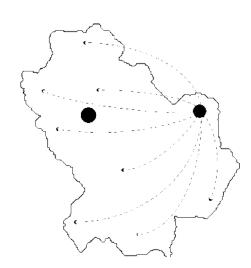
CONNECT PEOPLE



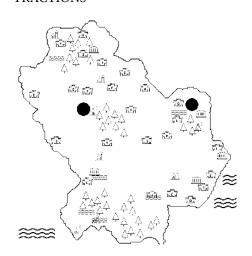
UNDERLINE THE MAIN NATURAL ATTRACTIONS



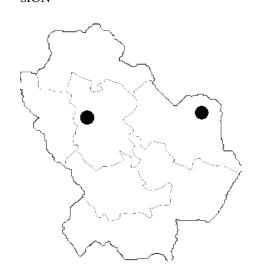
REACH REMOTE PLACES



UNDERLINE THE MAIN CULTURAL ATTRACTIONS



CONSIDER THE GEOGRAPHICAL DIVISION



OPEN DESIGN SCHOOL Matera

Surveys

Type of Place
Property
Current Usage
State of Conservation
Coverage
Size & Capacity
Parking ≤ 100m
Motorised Accessibility
Wheelchair Accessibility
Transport ≤ 400

Analysis

The next phase, the digitalization of the sheets, was also a work of correcting errors and organizing informations.

The collected data have been inserted into a database connected to Openstreer Map



Matera



432 venues mapped



41 cities visited



60.000 m² is the size of the biggest venue



30 m² is the size of the smallest venue



160 football fields are equivalent to the size of all venues together



129 venues have a vista point



58% of the venues in Matera are located outside the Historical Center and Sassi



7% of the outdoor venues can host more than 1000 people



73 venues are piazzas



68 venues are at least partially excavated



203km separates the farthest venue from Matera



2.677km driven in field trips



270

is the number of inhabitants of the smallest village visited



1.537m is the highest peak



17% of the venues are indoor spaces



62% of the venues are public property



82% of all venues are in a good state of conservation or need only minor repairs



86%

of the underused venues are in a good state of conservation or need only minor repairs



12% of the venues are abandoned or not being used



33% of all venues need some kind of repair to host an event

OPEN DESIGN SCHOOL Matera

Platform

The data were collected within an online platform that allows 3 ways of viewing / browsing the data:

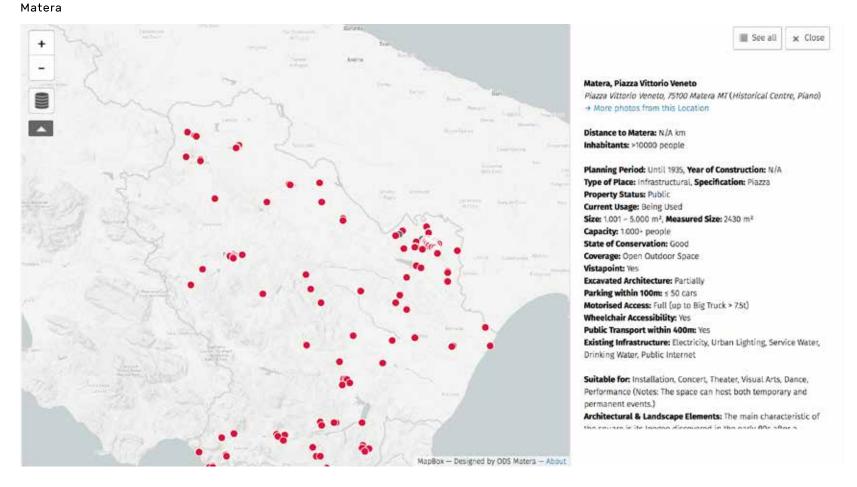
- MAP
- FILTER
- NETWORK
- ROUTES
- GALLERY
- INFOGRAPHICS
- FORMAT for entering data

The digital cartography compared to the traditional one, with different viewing modes, facilitates navigation and consultation, is interactive and dynamic with the possibility of implementation.



http://www.venuesofmatera.matera-basilicata2019.it

Platform



The map Open Street Map based

You can choose which information to show or hide or search for a specific place using the BROWSE DATA bar

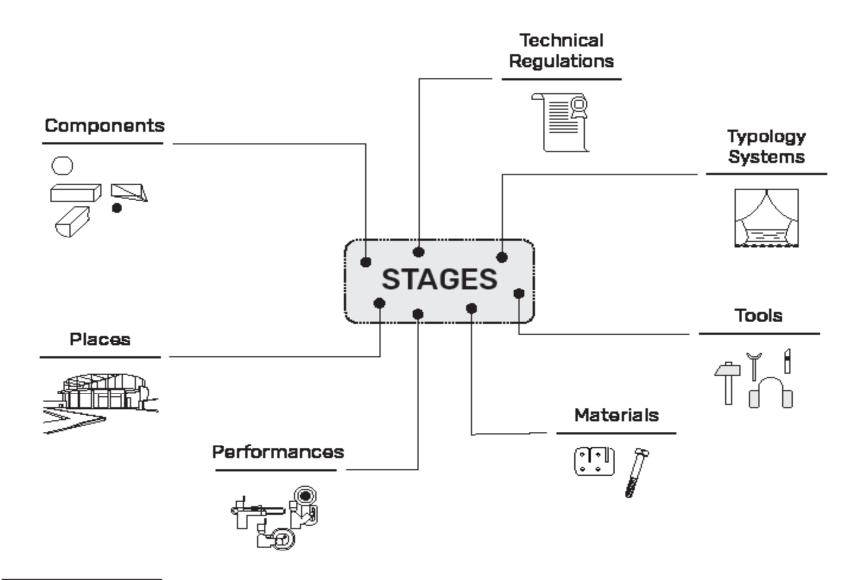
At each point on the map correspond a series of information.

By clicking on each one a POP-UP CARD appears with a cover image, a link, which refers to the gallery



The stage system design: abacus

Matera



Type of Performaning Arts: Music Concert

Music Concert - Opera - Ballet - Theater - Performance Art - Poetry and Talk - Fashion Show - Exhibition - Sport - Dance - Cinema - Circus





















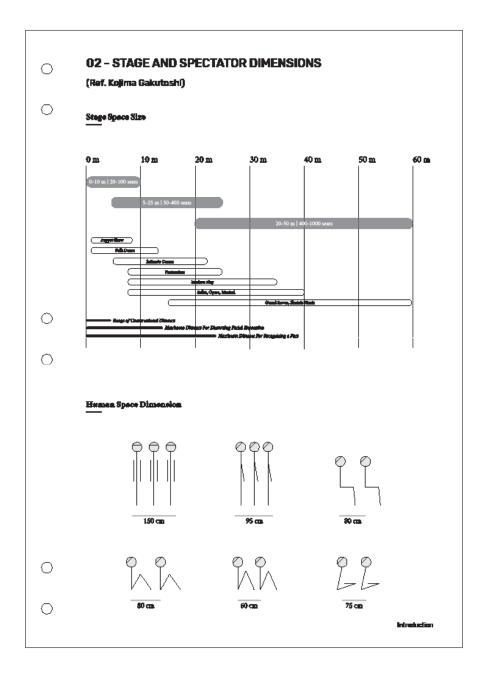




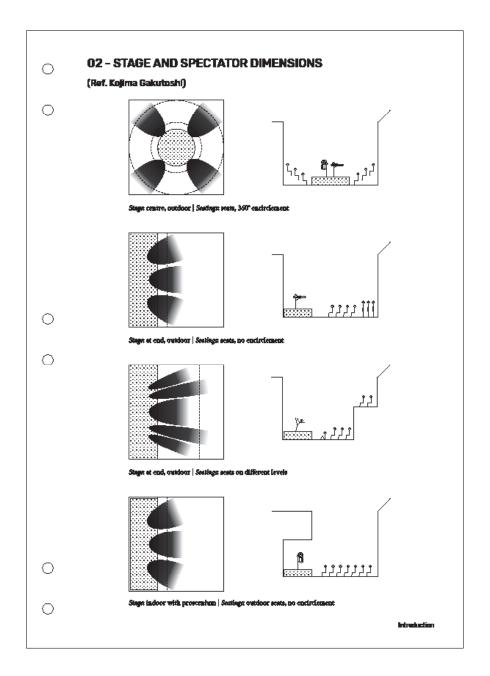
The Abacus of elements collects all the researches and the visions of the Stages Workshop, presenting the evolution of our design process. The Abacus it is a tool that allows infinte combinations of singule architectural elements that dialogue between each others and with the surrounding environments.

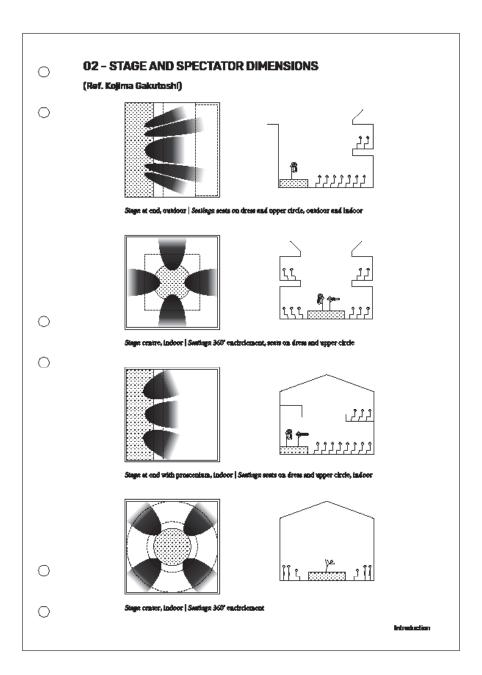
Abacus of elements: layout

0	01 - WHAT IS A STAGE?	
0	A stage is composed of	
	Platform	
	Vertical Structures	
	Covering Structures Auxialiary and Supporting Structure	
	Auxanary and supporting structure	
	Main Components	
	Platform	Steel
	Tower	Aluminum
	Wall	Wood
0	Sents	Textile
		PVC
0		Carpet
		Ropes
		Cables
		Foam
		Rubber Antialippery
	Secondary Components	Objects to Hold
	Panels (net, sheet, corrugated)	Light
	Ladder	Speaker
	Stair	Projector
	Slope	Board
	Handrail	Screen
	Curve Parts	Scenary
0		
		Introduction

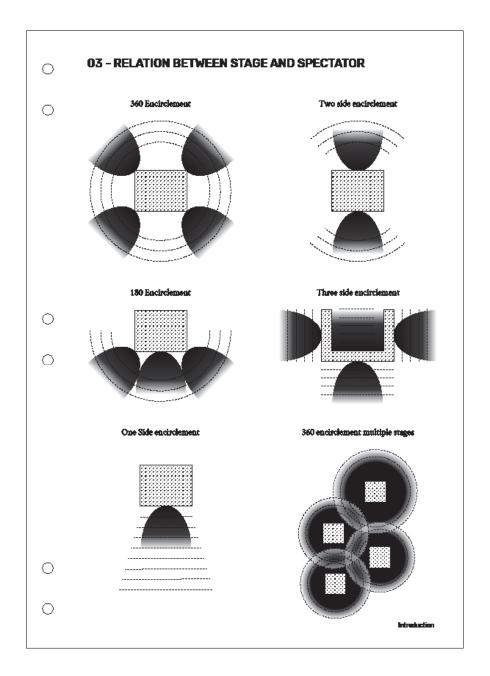


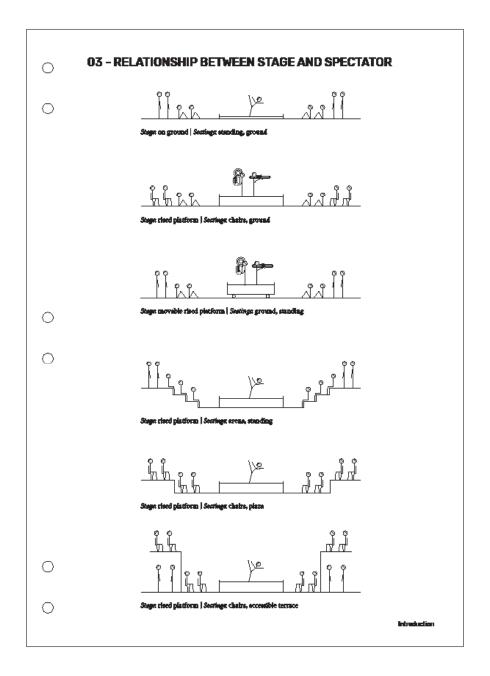
Abacus of elements: layout





Abacus of elements: layout





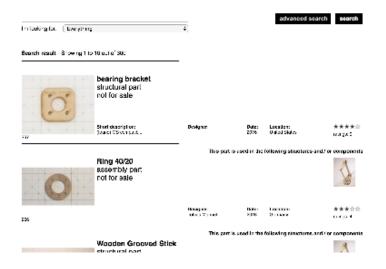
OPEN
DESIGN
SCHOOL
Matera

Open Structure System: developing design processes

Matera

customer F puts everything together mister E designs the connections miss D designs another component

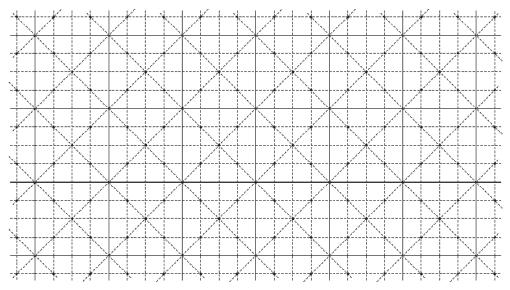
The OS (OpenStructures) project explores the possibility of a modular construction model where <u>everyone designs for everyone</u> on the basis of one shared geometrical grid. It initiates a kind of collaborative Meccano to which everybody can contribute parts, components and structures.

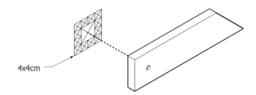


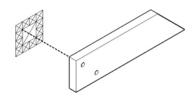
Open Structure Philosophy

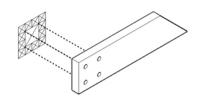
Open Structures is an open source modular construction model project created by Thommas Lommée and Christiane Hoegner. It is based on a shared geometrical grid and explores the possibility of having a common language among parts, objects, and structures, where "everyone designs for everyone."

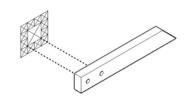
Matera











The OS grid is the centerpiece of the whole OS system. It's the common metrical tool that is shared among all participants, which allows them to design interchangeable parts, components and structures independently from each other.

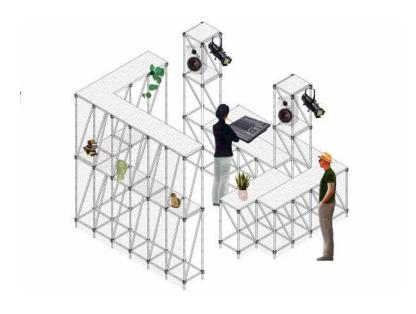
The grid is built up out of 4×4cm squares. The borders of these squares mark the cutting lines, its diagonals mark the assembly points and its enclosed inner circles define interconnecting diameters.

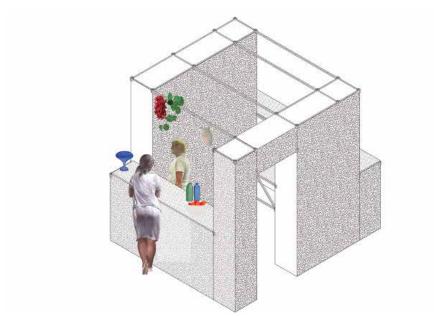


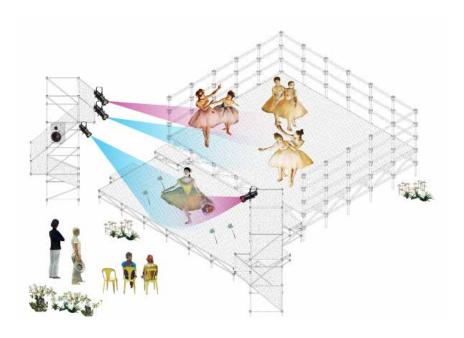
Installations in public spaces: first design experiments

OPEN Configurations
DESIGN



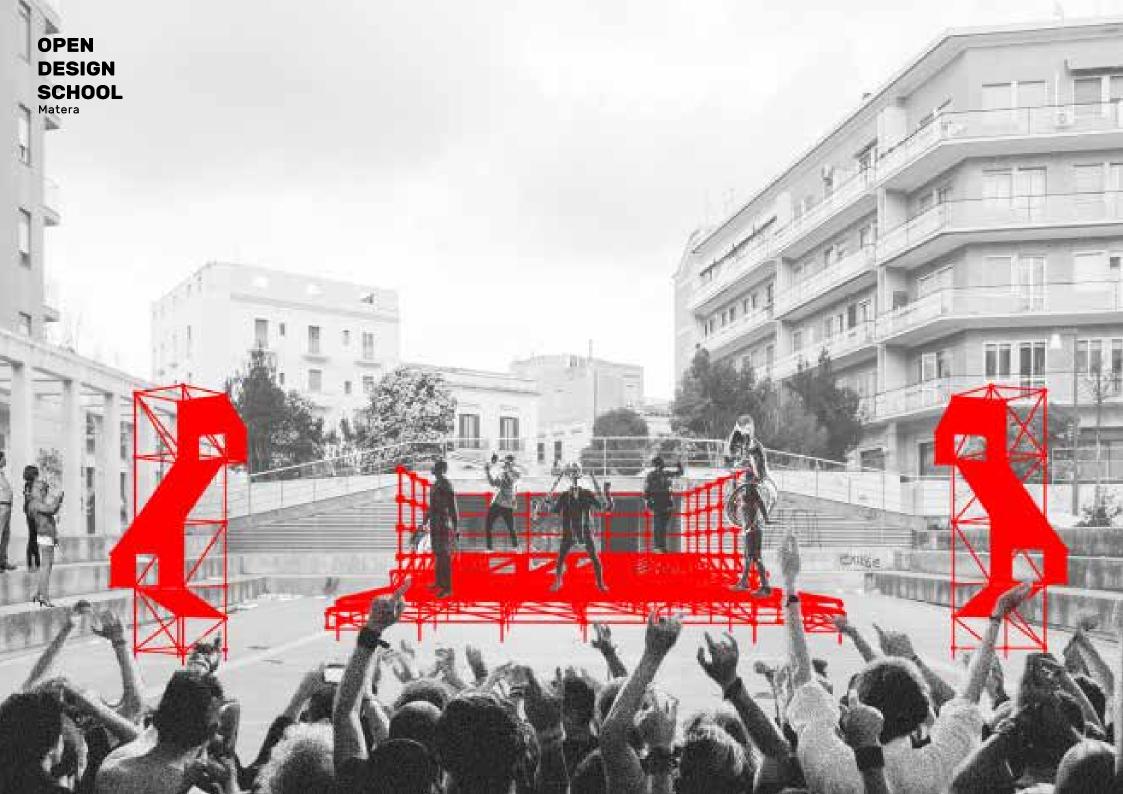








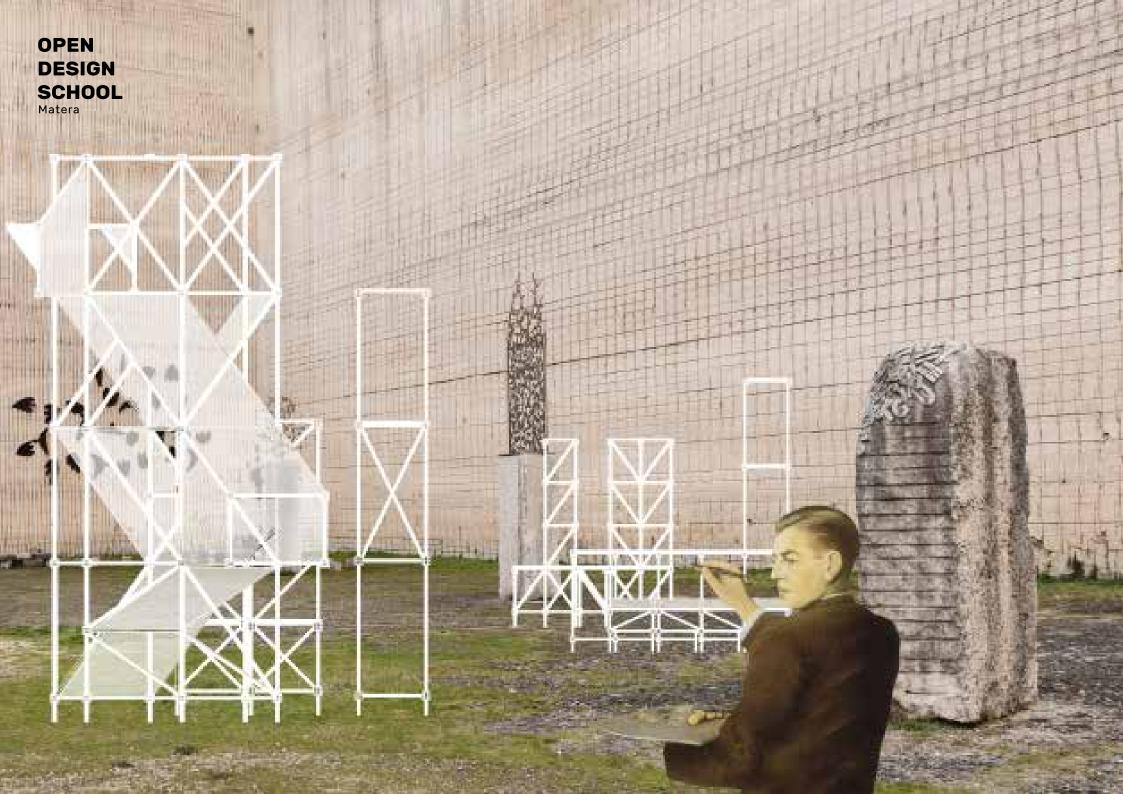
Visions: experimentations in Matera landscape

















Share knowledge

Provide a capacity building tool for the local community

Set-up an experimental school at the edge of Europe, putting Matera at the center of a global network

Set-up a school open to the public, where everyone can experiment the "learning by doing" methodology

Contribute to the open design movement

Provide open source toolkit (through documentation and communication of processes)

Mix the local knowledge and traditional craft with new technologies and global experiences

Transform the city into a living lab for experimenation

