

## INTRO

The Montenegro representation project at the 16th International Architecture Exhibition in Venice, through a series of *thematic rooms*, wants to enhance the diversity, the specificity of the architecture based on people, place, landscape, time, history, so represent the identity characters of the Montenegrin architectural culture.

The architectural culture of the peoples goes through everything that closely belongs to the identity of history and the construction of the future, in a *systemic-metabolic urban environment*.

*What about the present?* It is an expression of contemporary and of the disciplines that constitute a cultural positioning of the peoples:

- the present is linked to history, religions, philosophy, sociology, art, cinema, literature, theatre and music;
- the present is connected to the characters, the history, the languages, the events, the culture, the traditions, the ethnicities, the kitchen, the agriculture, the flavors, the memories, the people, the folk dances, the music, the sounds and the noises of the nature;
- the present is an integral part of the landscapes, the biodiversity, the urban centres, the minor centres, the former factories, the landfills, the conditions of urban emptiness, the climate, the materials, the local techniques, the knowledge, the workers, the progress;
- the present is also a careful, curious and responsible look towards the future.

In *four rooms*, the four ecologys, through *four topics*: *Multiculturalism, Landscape, Waste, Energy*.

## TITLE

# Montenegro

## The architecture of four ecologies

16th Internationale Architecture Exhibition in Venice

2018



The project investigates the theme of "reimagining urban voids" through the *valorisation and sharing of socio-resilience values as imperatives*, in close adherence with the directives of the exhibition curator, architect Sonja Radovic Jelovac.

The declination of emerging resilience is represented through the construction of **four ecologies** able to photograph the Montenegrin landscapes through a cognitive, environmental and info-graphic experience to underline the interaction and dynamic potential, the transformability and adaptability of the components at the base of the resilience principles.

Each rooms hosts and exhibits an ecology that reconstructs the installation of a thematic environment of data and information, compared to topics.

In Four rooms, the four ecologies, through four topics: **Multiculturalism, Landscape, Waste, Energy**. The construction project is a project of "empty" (empty cylindrical rooms) that narrate and **reinterpret** the ecology of the socio-ecological systems resilience Montenegrin.

**Multiculturalism:** ethnicities, languages, religions, traditions, handicrafts (textiles, Silk Road), chromatics, dances and folk music, traditional clothes, typical cuisine, voices of the "Babel of Languages"...

**Landscape:** 80% mountainous areas, national parks, coasts, lakes and rivers, identity characters of the landscape, fauna and flora, sounds of nature...

**Waste:** Conditions of urban emptiness (within the spaces of the cities and the landscape, like the saline Bajo Sekulic), of waste (illegal landfill of Madni, of Vasove Vode and of Pljevlja, of the military wastes of Nikšić), of abandonment (like the island of Mamula to Lestavica , the tourist complex Fjord in Kotor), of degraded places (the former factories of Obod and Kosuta in Cetinje) and of depopulation of the smaller centres...

**Energy:** power, climate and environmental resilience, green models for the Future ("Strategija Energetike do 2030") and current (Elektroenergetski Sistem Crne Gore, Perruccia and Piva hydroelectric plant, Pljevlja thermoelectrics and Nikšić wind Farm)...

room 1:  
EXHIBITION SPACE A

topic:  
MULTICULTURALISM

events:  
PERFORMANCE / VOICE

diameter circle:  
3,00 mt



room 2:  
EXHIBITION SPACE B

topic:  
LANDSCAPE

events:  
SOUND

diameter circle:  
3,50 mt

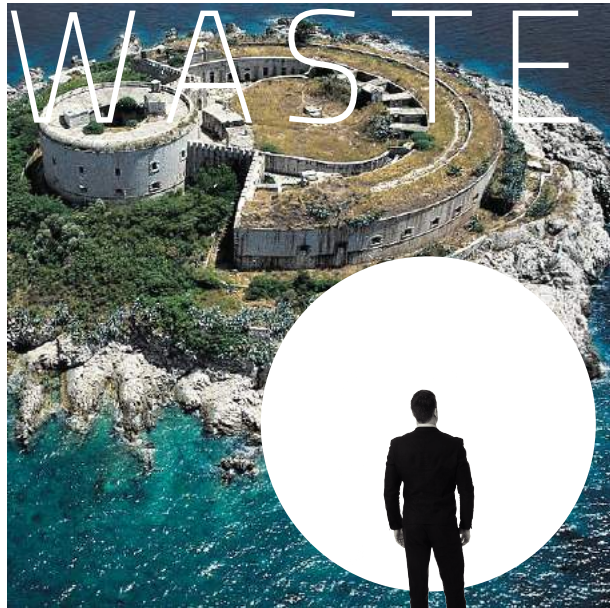


room 3:  
EXHIBITION SPACE C

topic:  
WASTE

events:  
VIDEO PROJECTIONS

diameter circle:  
3,00 mt

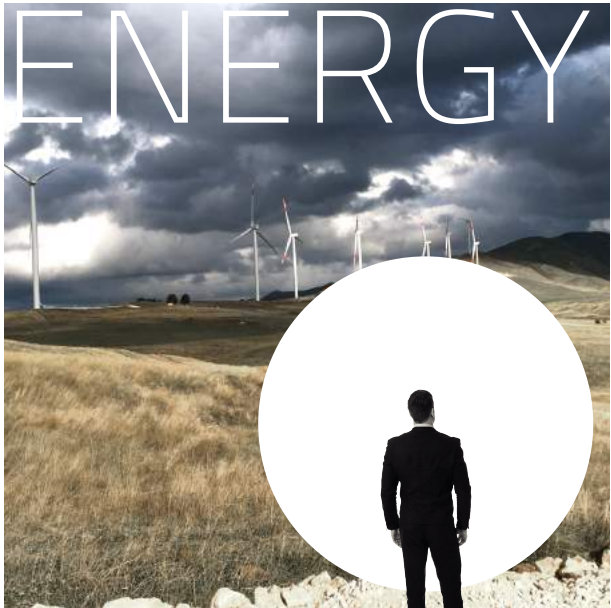


room 4:  
EXHIBITION SPACE D

topic:  
ENERGY

events:  
LIGHT

diameter circle:  
3,00 mt





The project of preparation for Montenegro representation project at 16th Internationale Architecture Exhibition, is structured in four rooms inside the Malipiero Palace in Venice.

Each rooms represents an ecology, and represents the reconstruction of a **"virtual environment"** through the **reflection of two circles**: one suspended (material and three-dimensional) and the other (reflective, info-graphic) positioned on the ground.

The circles of the Landscape have a diameter dimension of 3.50 meters, while the other circles (Multiculturalism, Waste, Energy) have a diameter dimension of 3.00 meters.

The upper circles are suspended in the rooms and are anchored to a steel cable system that will be positioned and fixed to the ceiling beams. The **suspended** circles differ in material and extrusion; they represent the soul of the design of the pavilion's artistic/architectural layout.

The lower circles are placed on the floors; they are carpets on which the visitor walks and interacts thanks to the information contained therein. The circles positioned on the **ground** are built from a platform in "Dibond" (composite Panel in aluminium and polyethylene) with sub-structure in "OSB" (about 2cm high), coated with a reflective foil (mirror effect), type: "Wenko".

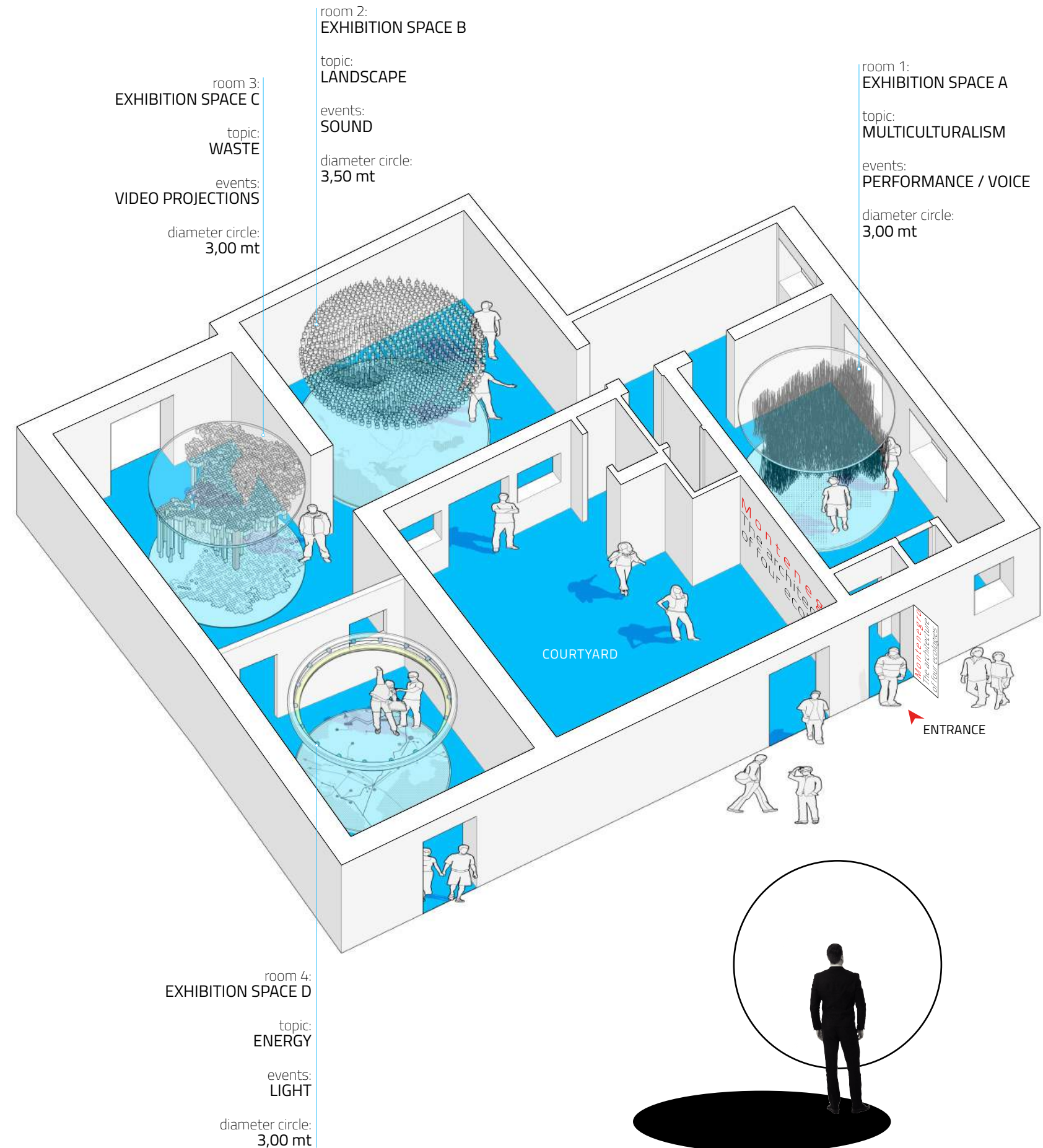
On the circle that acts as a "rug" there are graphics and information that contribute to the understanding of the virtual room.

Thanks to the reflection between the upper materic/extruded circle and the info-reflective circle (below), **the visitor is immersed inside an ambient that envelops him and guides him to discover the identity characters of the ecology giving new meaning to free spaces and urban voids**: meaningless spaces, polluted soils and habitats, taking into consideration broader forms of social, economic and cultural recoveries.

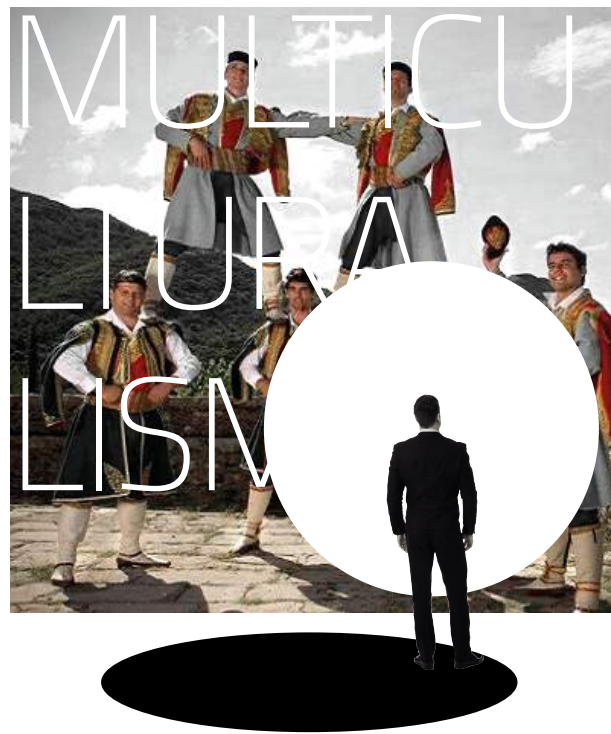
To enhance the **multi sensory aspect**, in each rooms, **thematic events** are foreseen for each ecology:

- performances of popular dances, audio recording of different voices/languages – a **"Babel of Languages"**: Montenegrin, Serbian, Bosnian, Albanian, Rom, Bosgnacco, Croatian;
- thanks to the reflection of the vegetal mantle on the floor mirror, the visitor is immersed in nature and is also surrounded by sound performance;
- three video projections starting from a classification of the conditions of urban "emptiness" and of places of abandonment – abandoned urban areas and former production factories, depopulation of smaller centres, landfills and places of abandonment;
- ring light device with nozzles for the diffusion of water vapour – a sensory and perceptive environmental installation that reproduces the climatic condition, energy and environmental resilience.

The total cost of the installation is 25.000,00 € (in line with the budget required by the notice).







room 1:  
EXHIBITION SPACE A

topic:  
MULTICULTURALISM

events:  
PERFORMANCE / VOICE

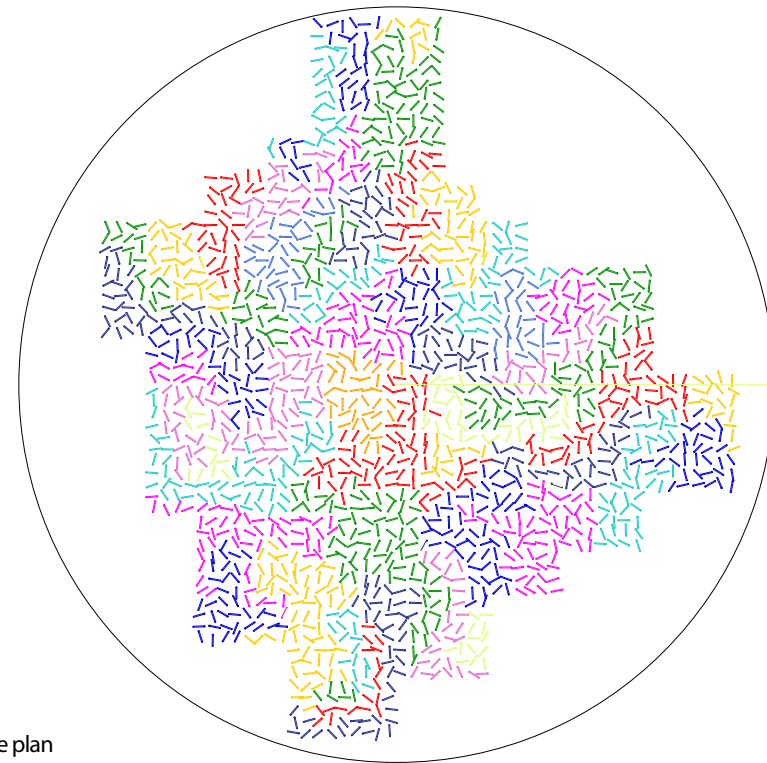
diameter circle:  
3,00 mt

## MULTICULTURALISM

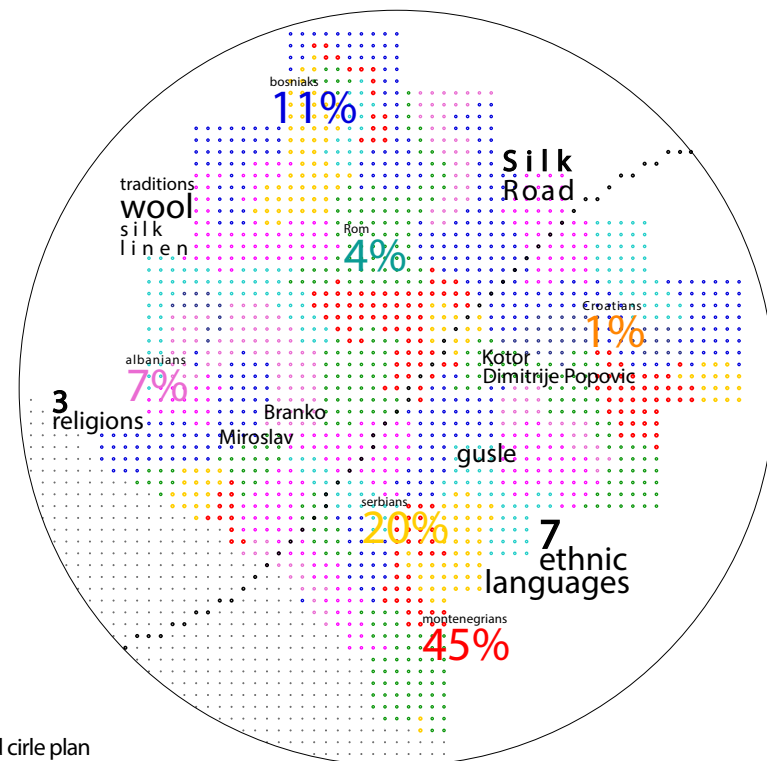
In the first room (EXHIBITION SPACE A) is represented the ecology related to the topic of MULTICULTURALISM. Multiculturalism represents the human and historical identity character of Montenegro, linked to people, to culture.

The exhibition proposes the ethnic groups (Montenegrins, Serbs, Bosniaks, Albanians, Muslims, Rom, Croats), languages (Serbian, Montenegrin, Bosnian, Albanian, Rom, Bosgnacco, Croatian), religions (Orthodox Christianity, Islam, Catholicism), traditions, The Handicrafts (textiles silk, wool and linen), the history (the Silk Road), the colors and the colours (gold, red, blue, green), the dance and the popular music, the traditional clothes, the typical cuisine and the cultural identity values. This information and data is contained in the reflective base circle.

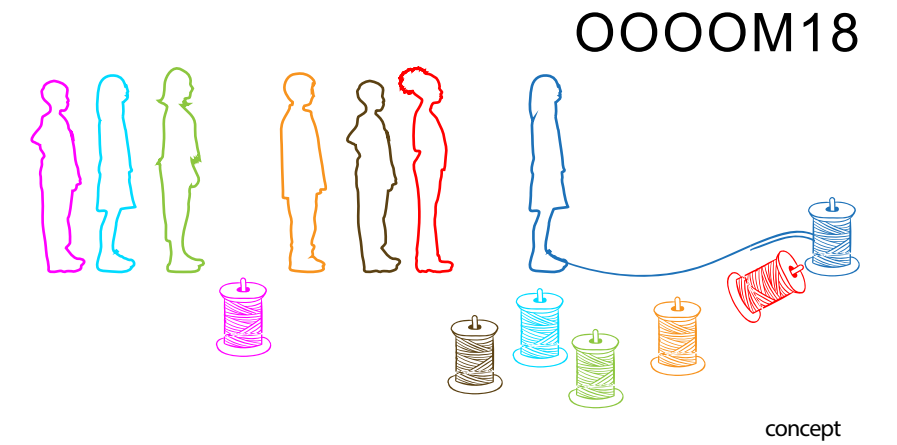
The exhibition is complemented by the sound performance that shows an overlap of the individual voices of the ethnic groups in a "Babel of Languages". The reflective base mirrors the upper rim consisting of a series of coloured threads coming down from wool and silk coils. The material is typical of tradition and local craftsmanship, and recalls the historical path of the Silk Road. The colours of the threads represent the different cultures and ethnicities that make up the Montenegrin population.



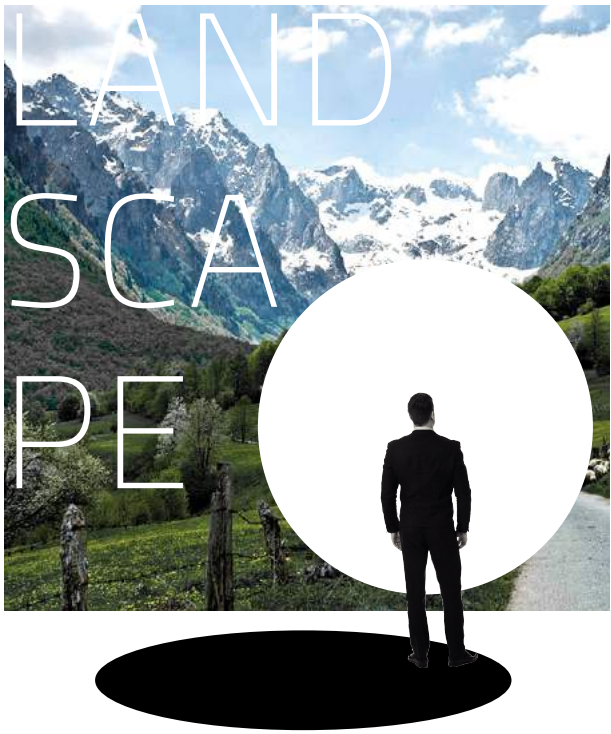
top circle plan



ground circle plan







room 2:  
EXHIBITION SPACE B

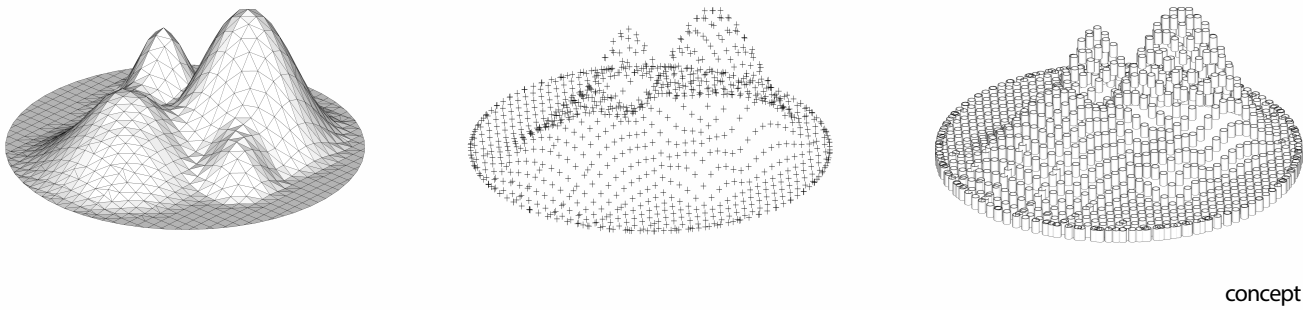
topic:  
LANDSCAPE

events:  
SOUND

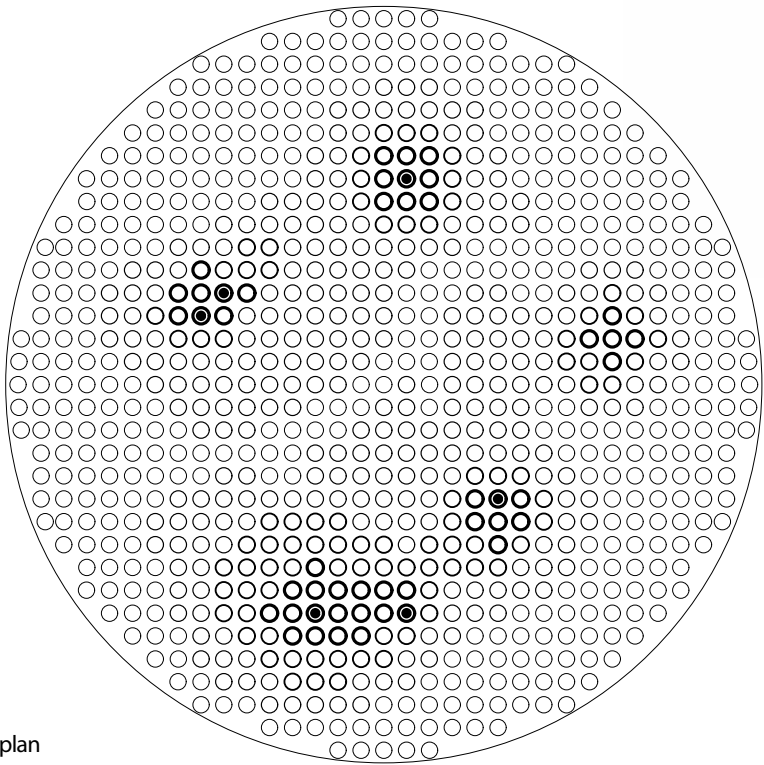
diameter circle:  
3,50 mt

### LANDSCAPE

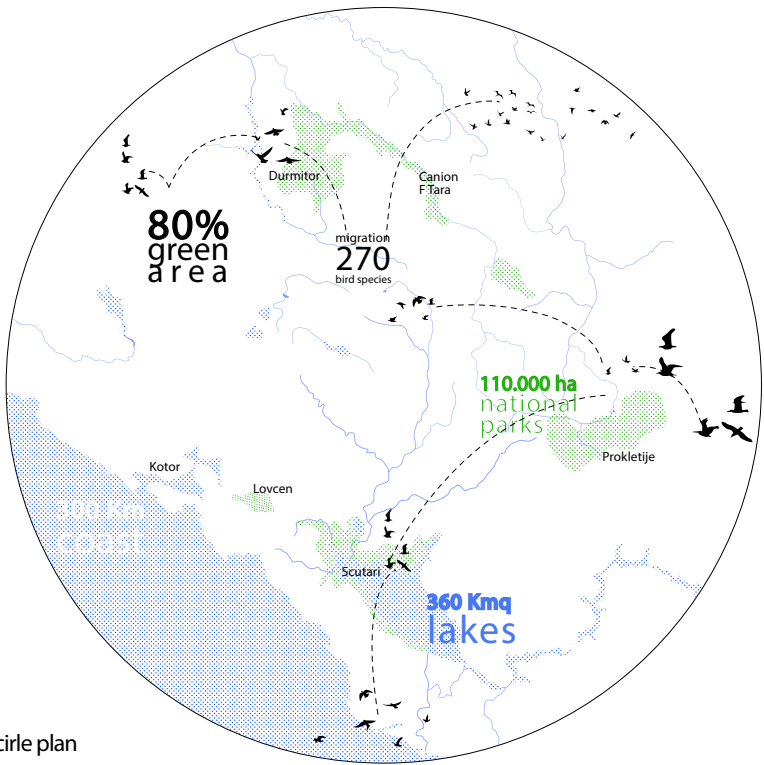
In the second room (EXHIBITION SPACE B) is represented the ecology related to the theme of LANDSCAPE. The landscape is one of the important identity characters of the Montenegrin territory composed of: 80% mountainous areas, 110.00 hectares of national parks (Durmin, Biogradska Gora, Monte Lovcen and Prokletije), 300 km of coastline, 360 sq km of lakes and 470 kilometers of rivers (Tara, Lim, Cehotina, Moraka), identity characters of the landscape, fauna (780 fish of recorded species, 270 registered birds, deer, wolves, wild boar, bears and amphibians) and Flora (3136 taxa recorded), colors, flavors and sounds of nature. Also there are UNESCO sites (Bay of Kotor, medieval tombstones and fortified city of Kotor), the Virgin Forest of ACC Poda and the Canyon of the river Tara. The reflective base contains information and data, while the upper ring reproduces (through a series of suspended upside-down pots) the environmental system. Thanks to the reflection of the vegetal mantle on the floor mirror, the visitor is immersed in nature and is also surrounded by sound performance. A sound system reproduces the sounds of nature, bringing the visitor into a complete sensory experience in which he feels enveloped by images, smells and the sound of nature.



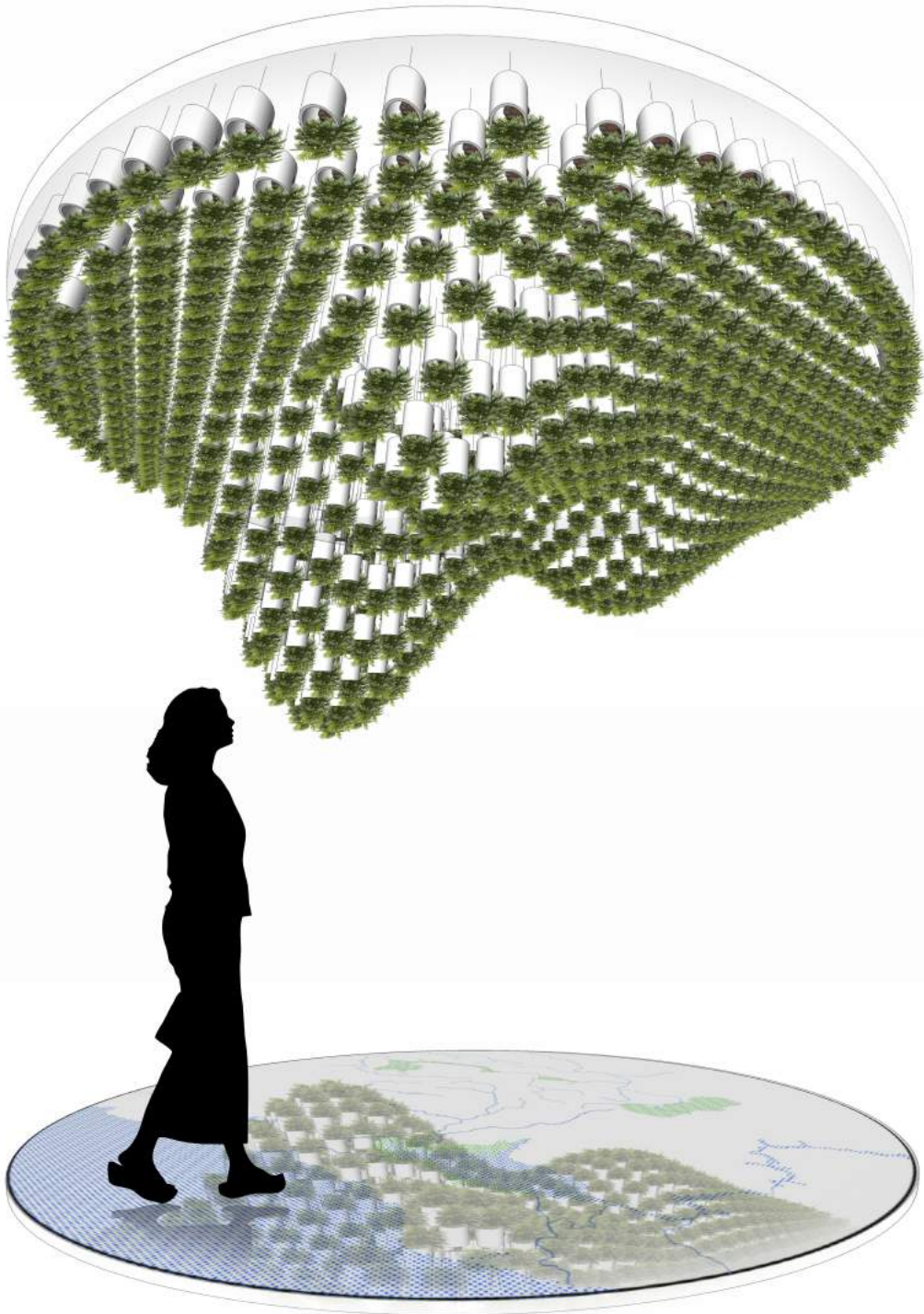
concept



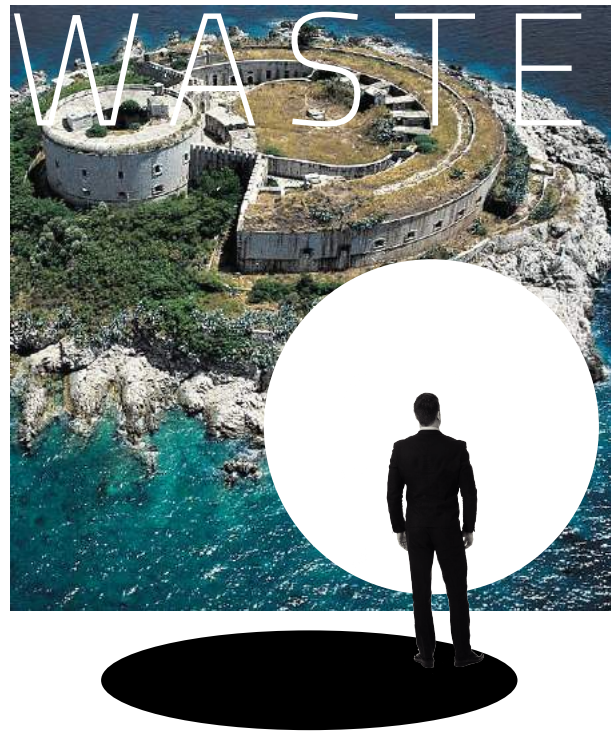
top circle plan



ground circle plan







room 3:  
EXHIBITION SPACE C

topic:  
WASTE

events:  
VIDEO PROJECTIONS

diameter circle:  
3,00 mt

## WASTE

In the third room (EXHIBITION SPACE C) is exposed the ecology of WASTE.

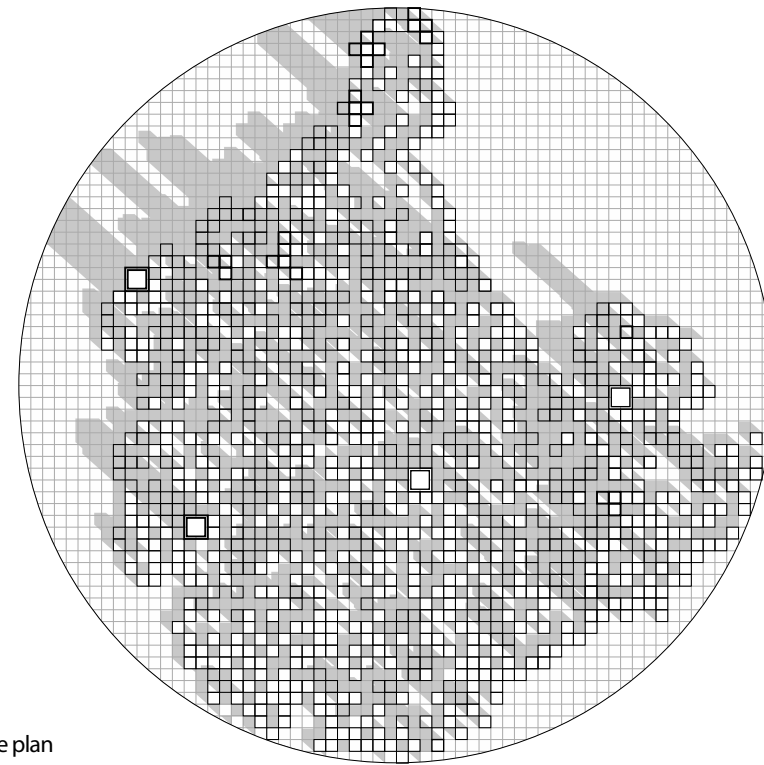
The paradigm of the gap interprets the theme of emptiness understood as waiting spaces deprived of a present meaning, from the high historical-environmental value and a condition of abandonment and degradation (at different scales).

Larger forms of emptiness are considered, with the aim of placing the architect's attention on the "accidental landscapes" system.

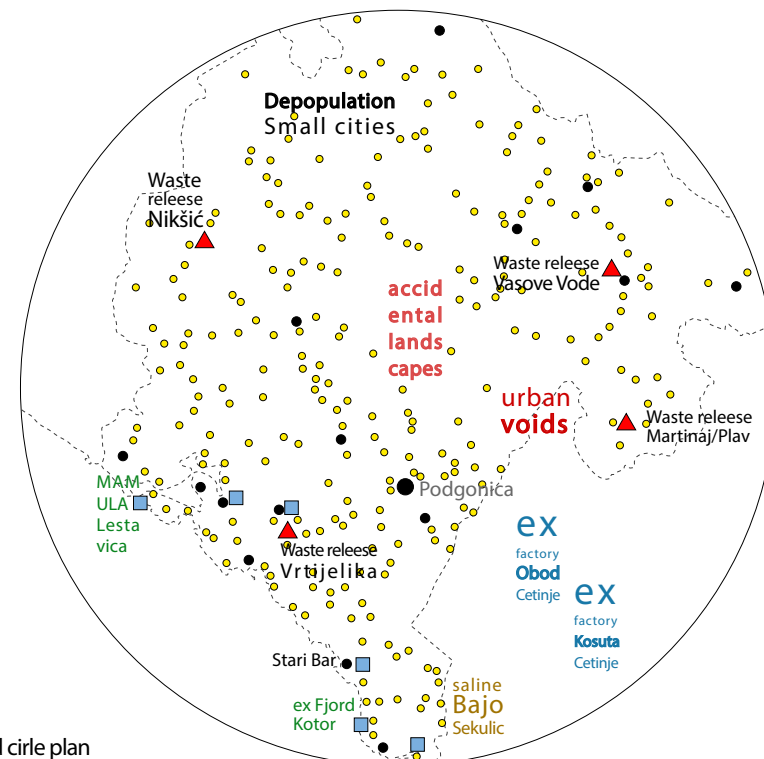
The conditions of urban emptiness have been highlighted within the spaces of the cities and the territorial landscape (like the saline Bajo Sekulic), in the landscapes of the waste (like the illegal landfill of Madni, of Vasove Vode, of Pljevlja, and in the military wastes of Nikšić), in places of abandonment (such as the case of the island of Mamula in Lestavica, the tourist complex Fjord in Kotor), or in the degraded places and in the "ex" areas (as in the ex-factories of Obod and Kosuta in Cetinje); Finally, the phenomenon of depopulation of minor centres has been considered as a symptom of "emptying" of meaning and sociality of historical places in the territory.

A three-dimensional extruded diagram (in polystyrene) determines a 3d inverted graph of the areas and peak points of the abandoned and forgotten empty territories. From three extruded parts, on the base disk, you will see three video projections thematically covering the three macro-families of active-voids.

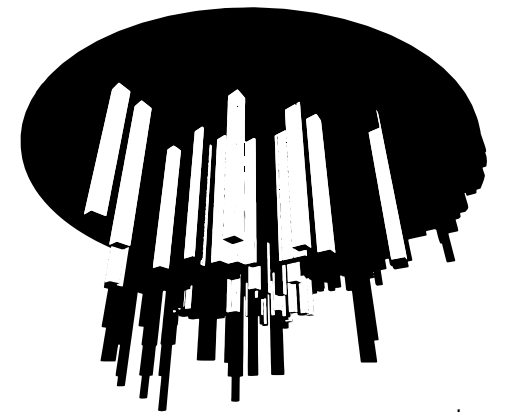
top circle plan



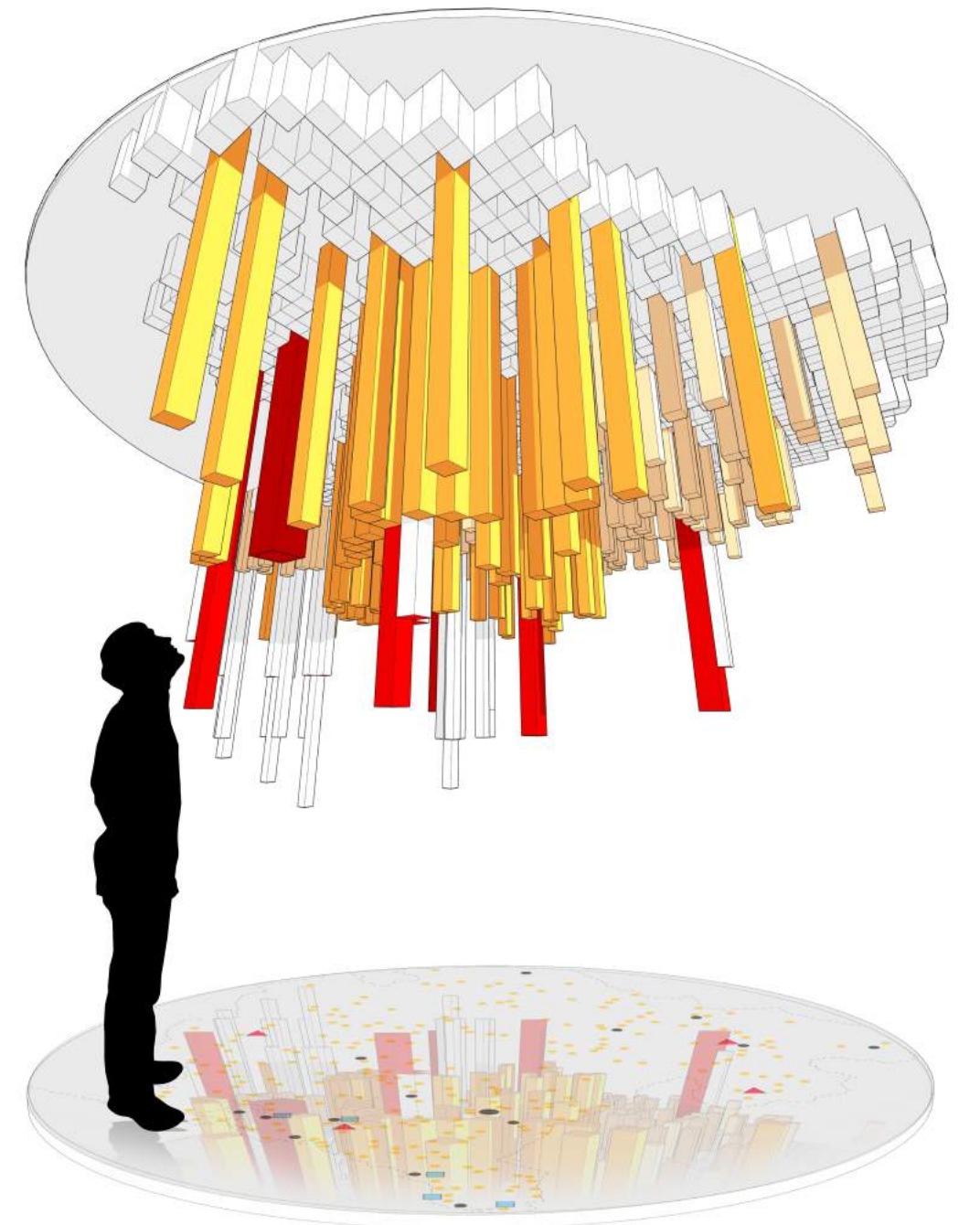
ground circle plan



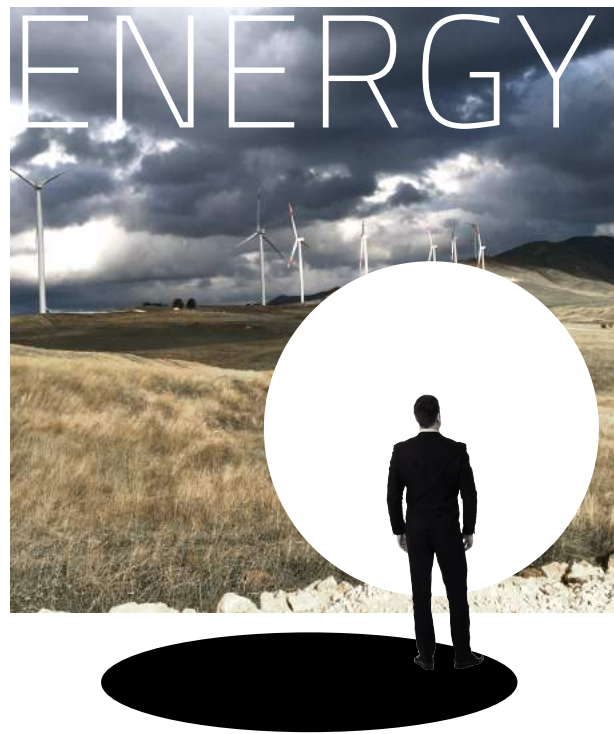
OOOOM18



concept







room 4:  
EXHIBITION SPACE D

topic:  
ENERGY

events:  
LIGHT

diameter circle:  
3,00 mt

## ENERGY

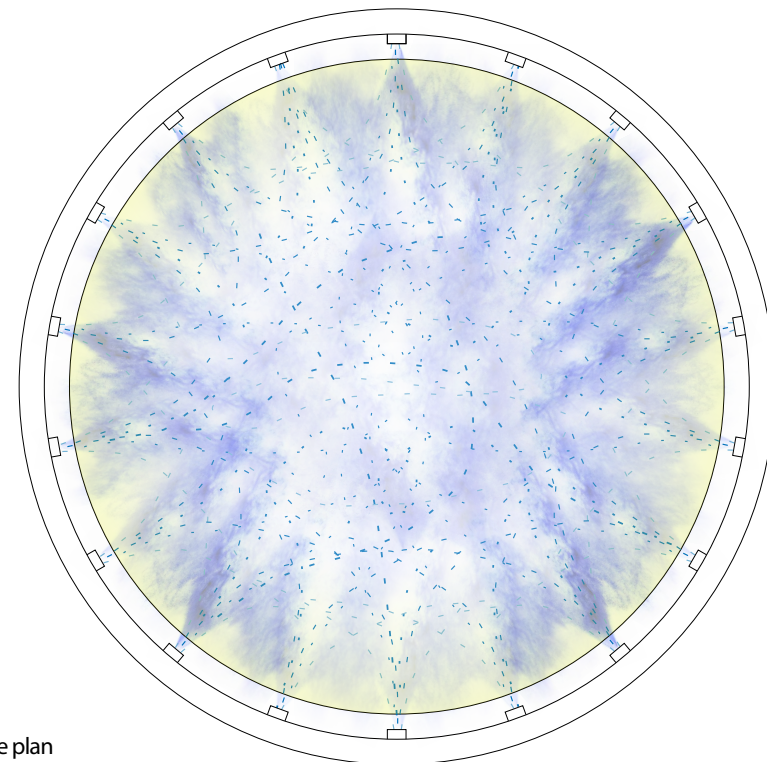
In the fourth room (EXHIBITION SPACE D) the paradigm of ENERGY is staged.

The theme of energy becomes a theme that looks to the past and launches the opportunity for the future, declining the problems related to the climate and the quality of urban and territorial environments in a fertile perspective of development and opportunity.

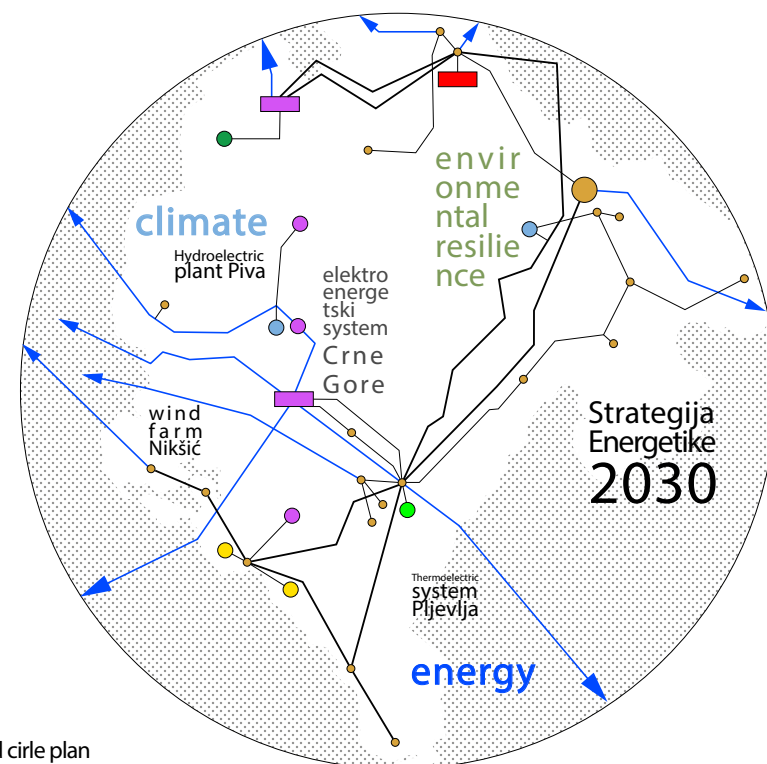
Energy, climate and environmental resilience are the key words to build green landscape models for the future (as in Montenegro's energy policies, in particular the "Strategija Energetike do 2030") and current development policies (Example in the Elektroenergetski sistem Crne Gore, or in the hydroelectric plants of Perruccia and Piva with the Piva Dam, in the thermoelectric systems of Pljevlja and in the wind farm of Nikšić).

In the upper rim a series of nozzles will emit nebulized water (towards the center of the rim); Finally a light ring marks the space in which the visitor will be immersed in a tactile scenography, sensory and linked to the definition of a different temperature (intervening in the modification of the relative humidity of the space).

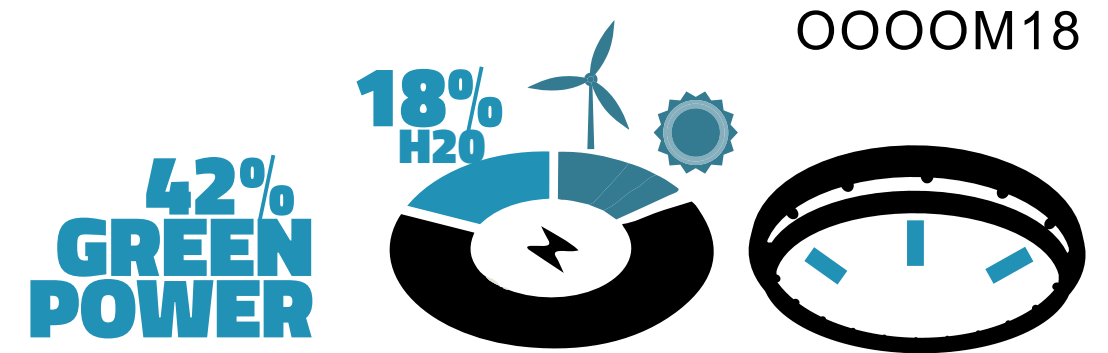
This room brings the visitor in a condition of jumping into the future, in an increasingly complex challenge of a balance between man and nature, for a healthy and resilient behavior.



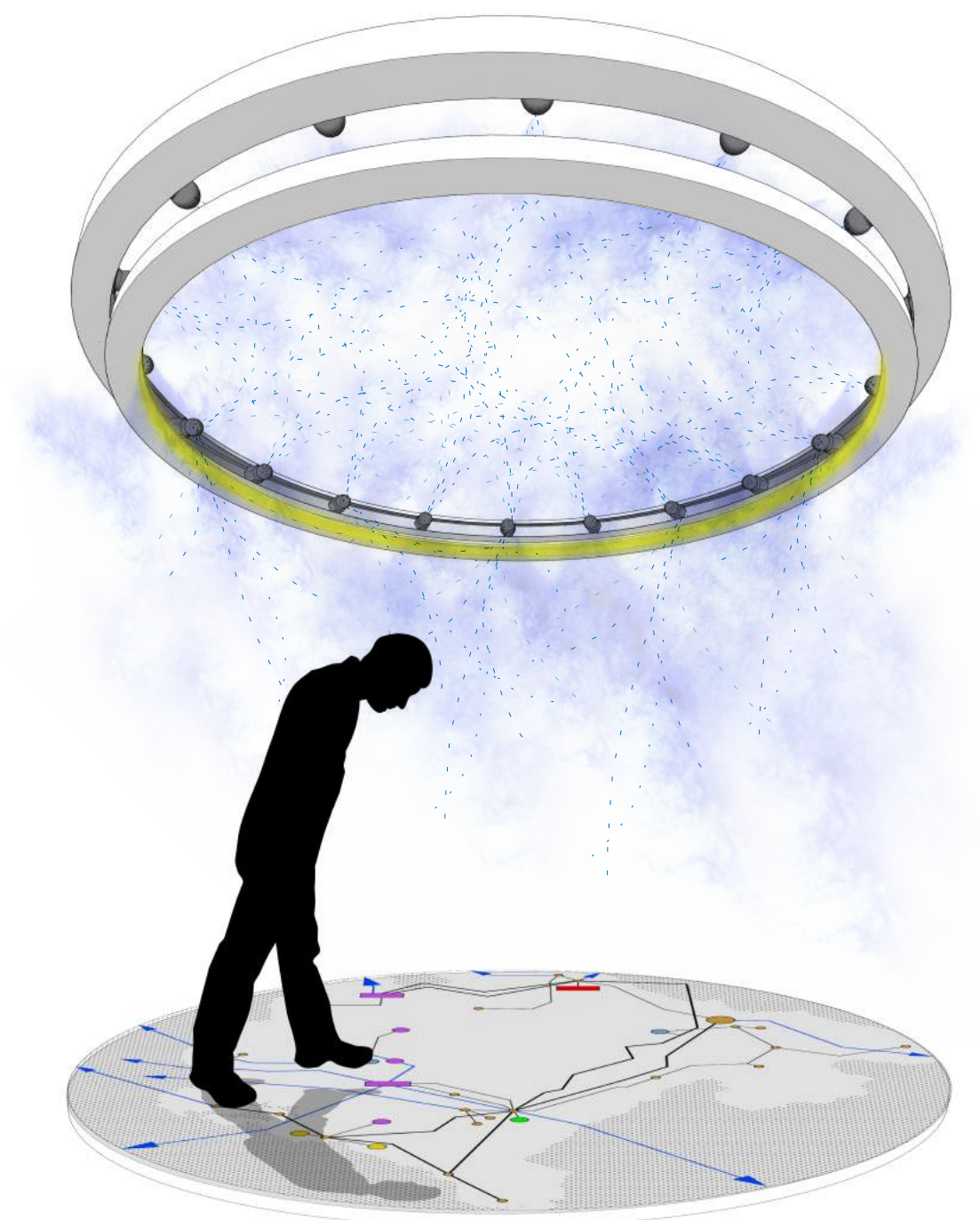
top circle plan



ground circle plan



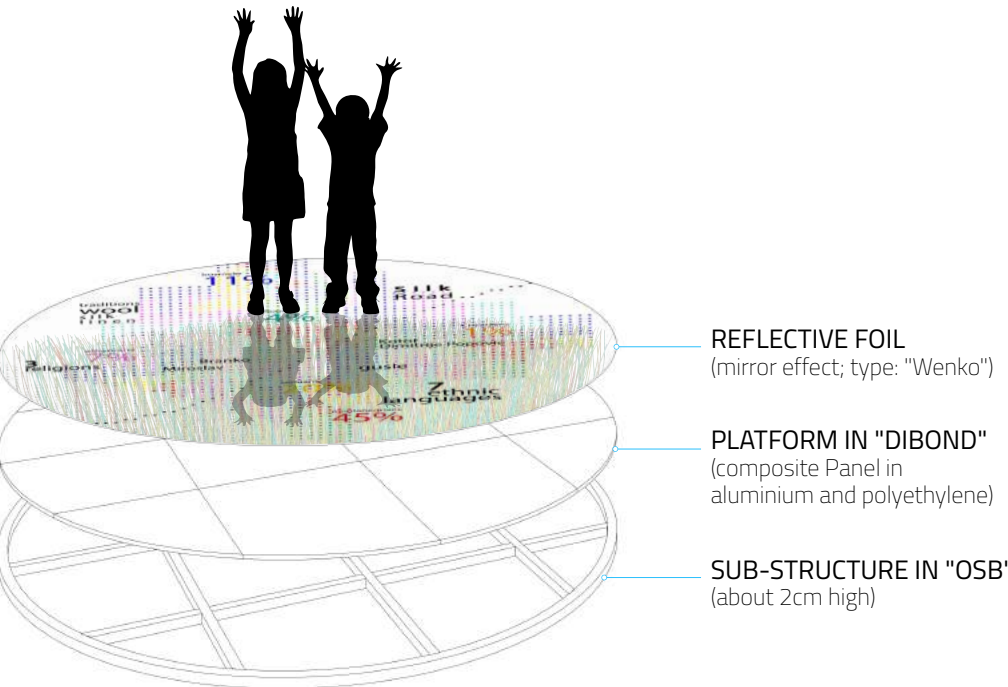
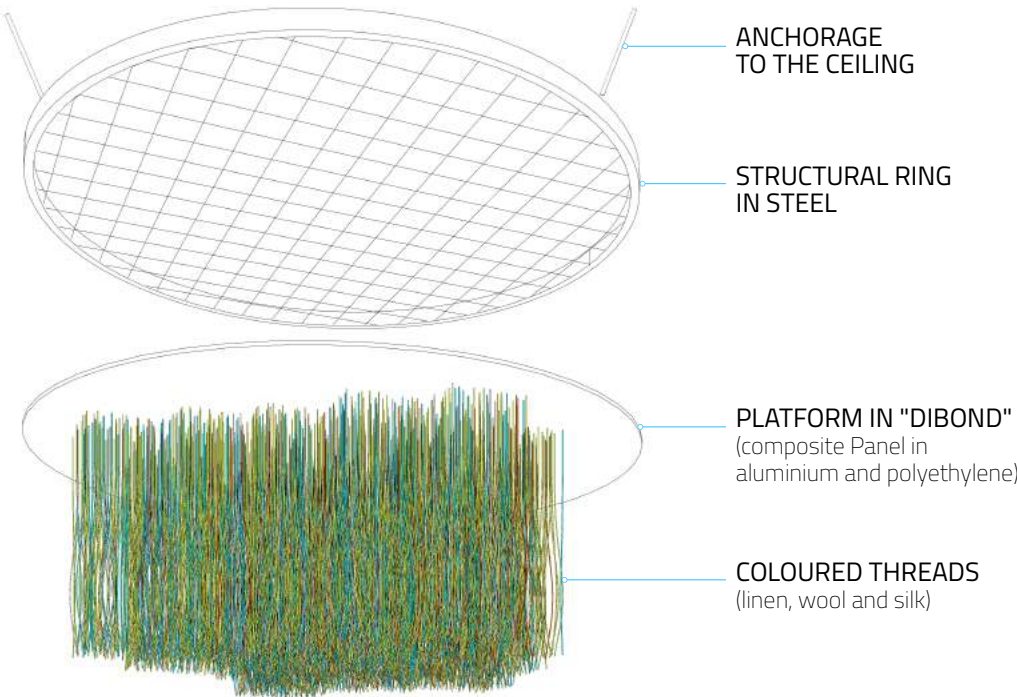
concept





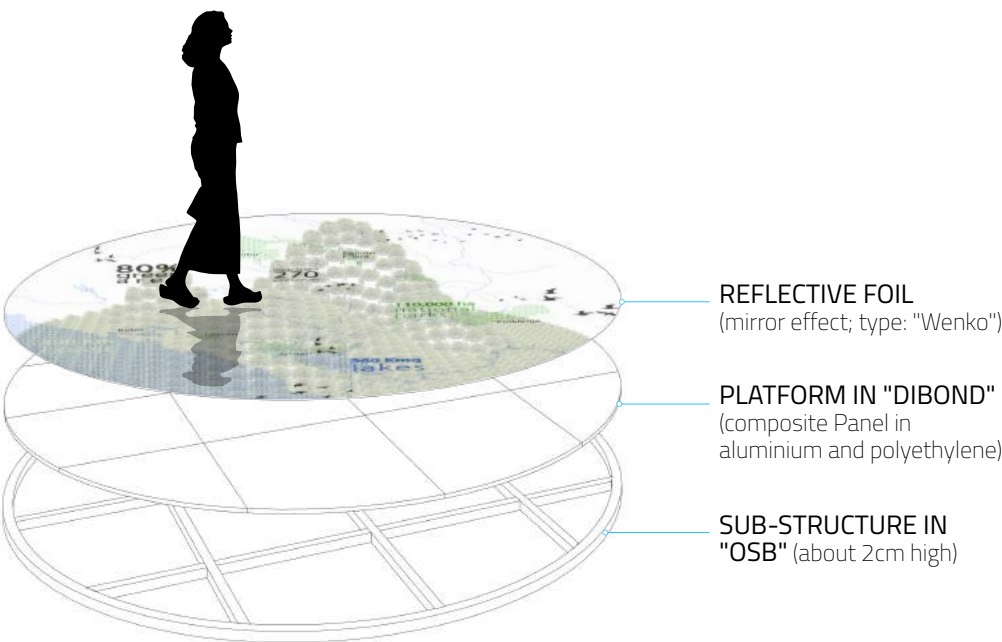
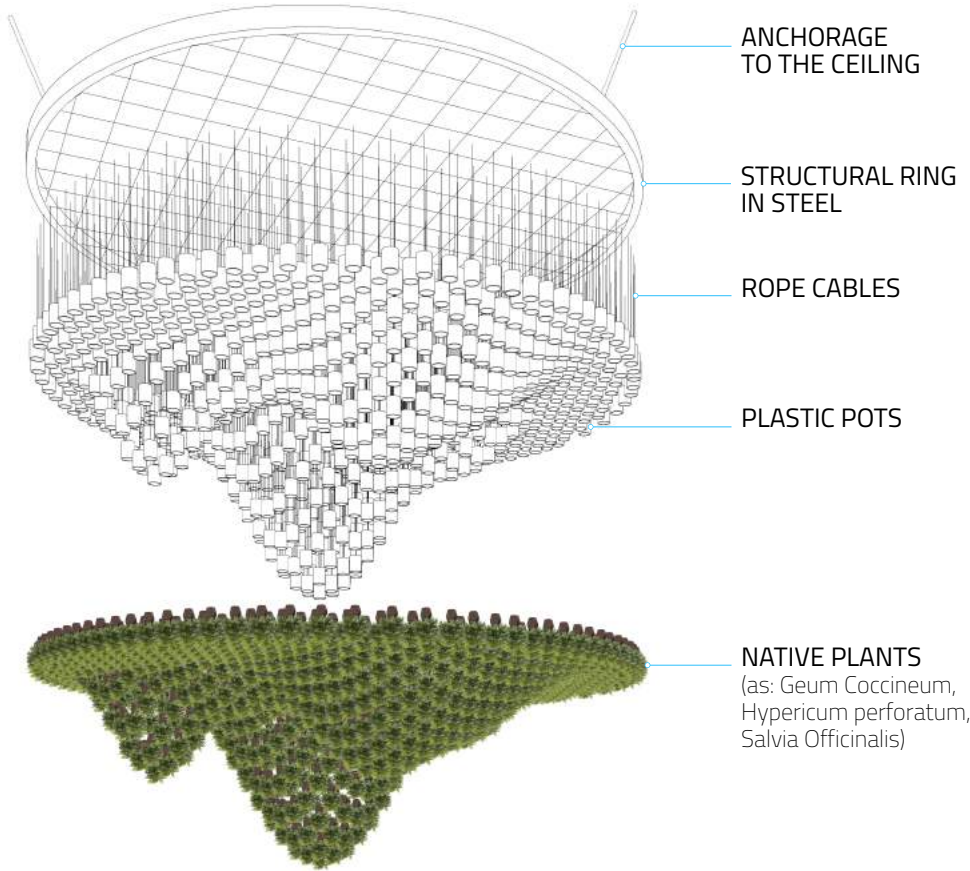
# MULTICULTURALISM

COSTS - EXHIBITION SPACE A	5.200,00 €
Transport / Shipping costs to Venice	300,00
Assembly fitting-out	700,00
Materials and construction	2.500,00
Dismantling exhibition	700,00
Transfer of the exhibition in Montenegro	500,00
Team expenses (travel and accommodation)	500,00



# LANDSCAPE

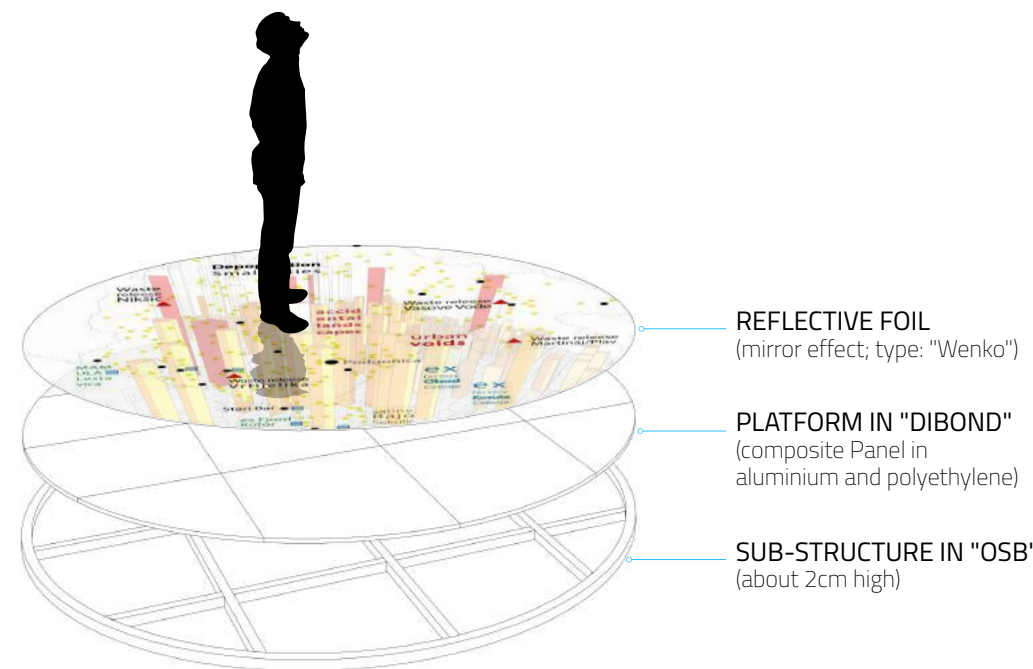
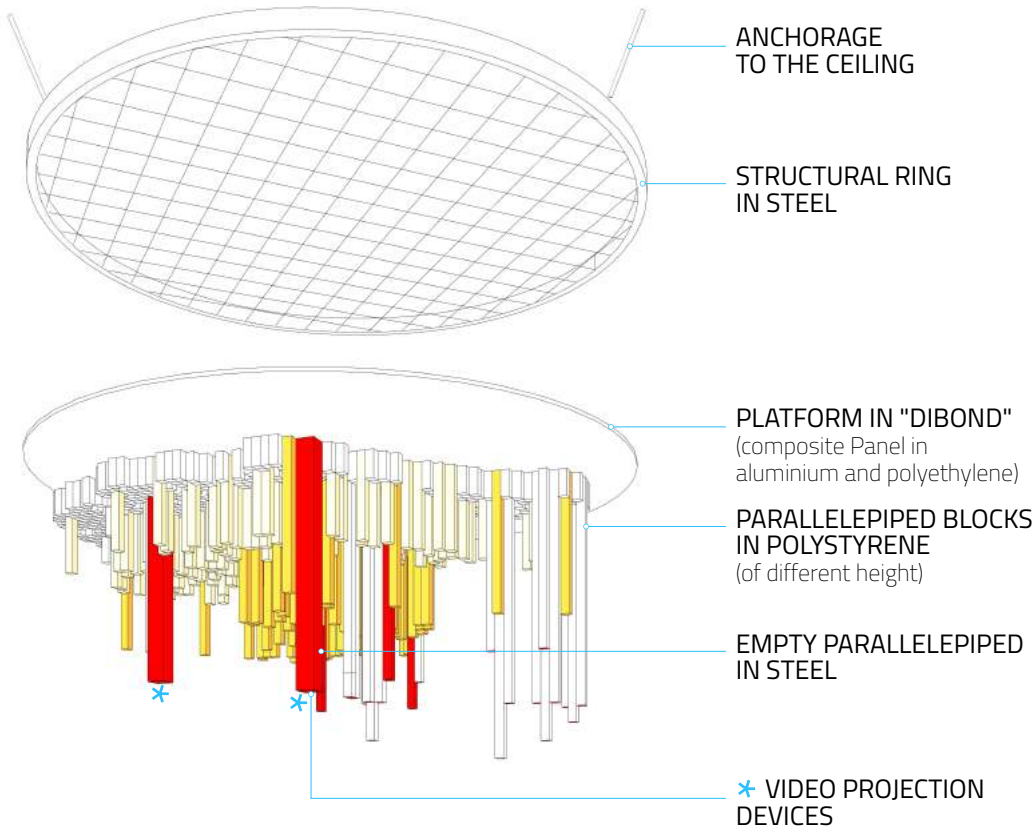
COSTS - EXHIBITION SPACE B	7.000,00 €
Transport / Shipping costs to Venice	500,00
Assembly fitting-out	900,00
Materials and construction	3.500,00
Dismantling exhibition	900,00
Transfer of the exhibition in Montenegro	700,00
Team expenses (travel and accommodation)	500,00





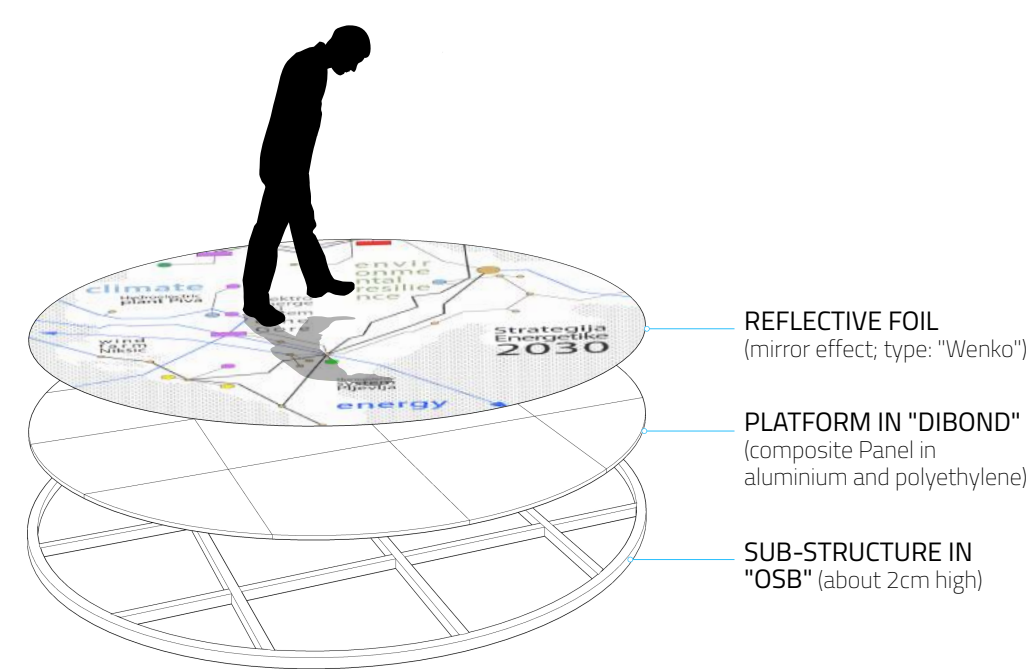
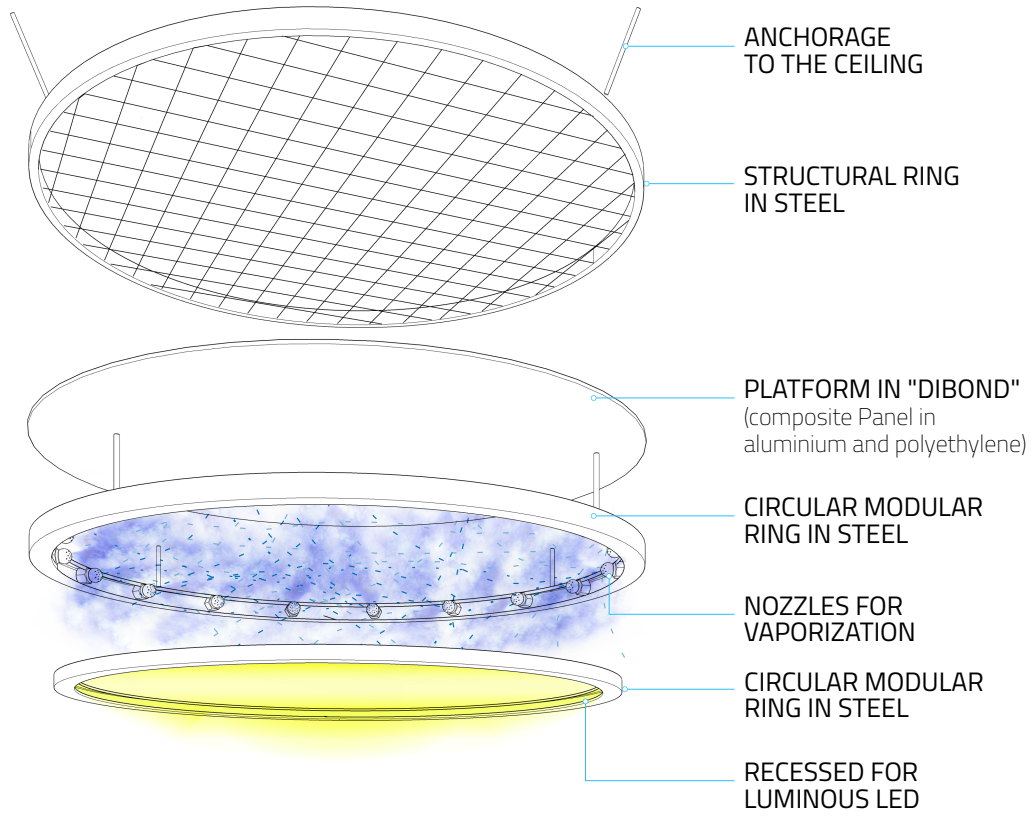
WASTE

COSTS - EXHIBITION SPACE C		6.600,00 €
Trasport / Shipping costs to Venice		500,00
Assembly fitting-out		700,00
Materials and construction		3.500,00
Dismantling exhibition		700,00
Transfer of the exhibition in Montenegro		700,00
Team expenses (travel and accommodation)		500,00

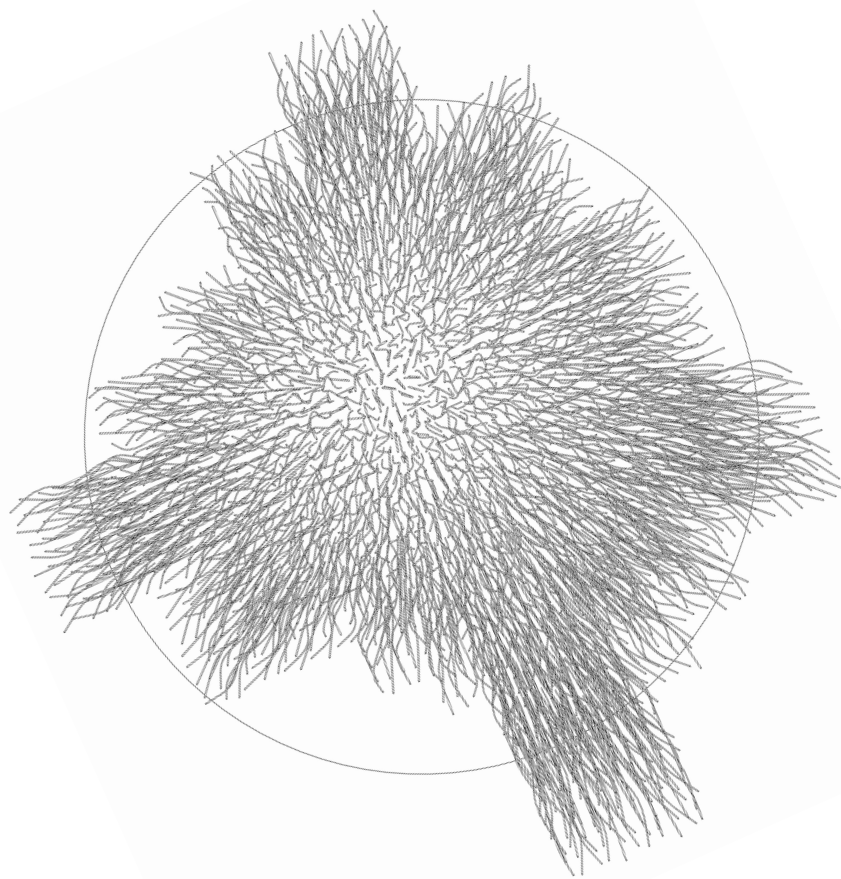


ENERGY

COSTS - EXHIBITION SPACE D		7.000,00 €
Trasport / Shipping costs to Venice		500,00
Assembly fitting-out		900,00
Materials and construction		3.500,00
Dismantling exhibition		900,00
Transfer of the exhibition in Montenegro		700,00
Team expenses (travel and accommodation)		500,00







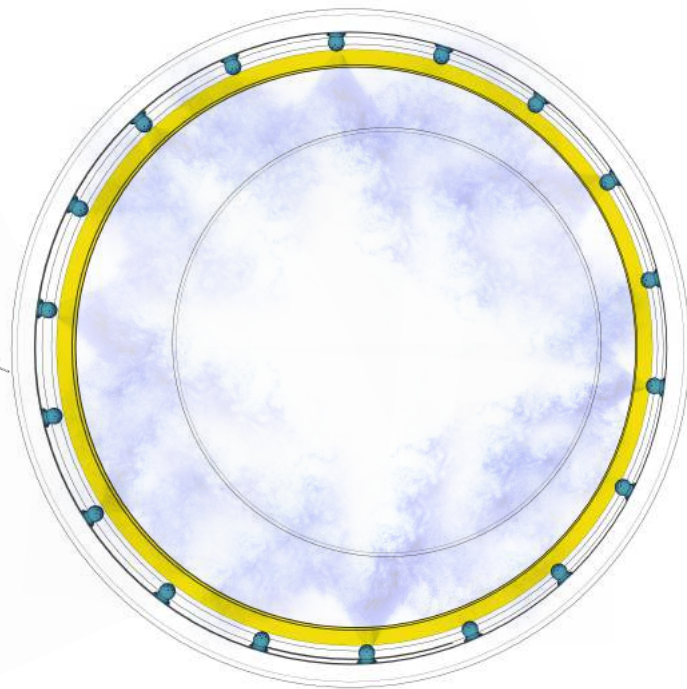
MULTICULT  
URALISM

room 1:  
EXHIBITION SPACE A

topic:  
MULTICULTURALISM

events:  
PERFORMANCE / VOICE

diameter circle:  
3,00 mt



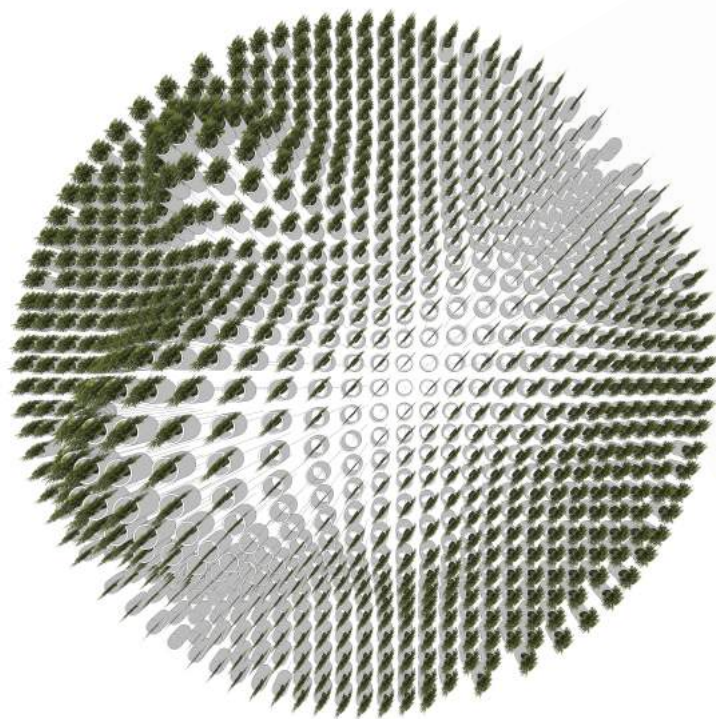
ENERGY

room 4:  
EXHIBITION SPACE D

topic:  
ENERGY

events:  
LIGHT

diameter circle:  
3,00 mt



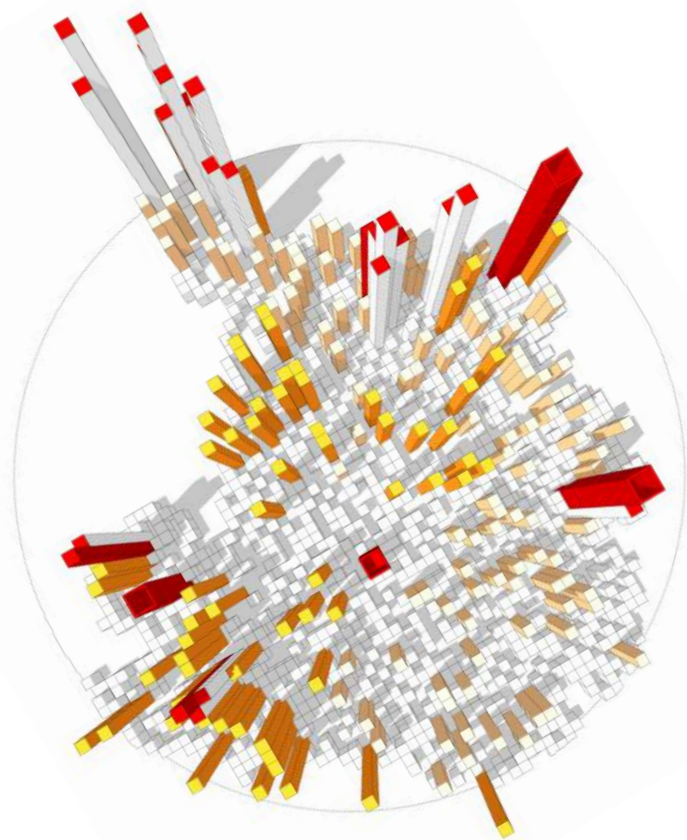
LAND  
SCAPE

room 2:  
EXHIBITION SPACE B

topic:  
LANDSCAPE

events:  
SOUND

diameter circle:  
3,50 mt



WASTE

room 3:  
EXHIBITION SPACE C

topic:  
WASTE

events:  
VIDEO PROJECTIONS

diameter circle:  
3,00 mt



