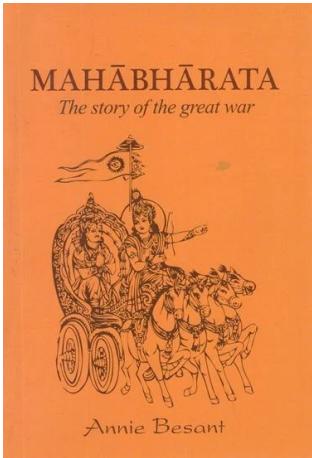


daedalus projection

UMBERTO ECO

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JEAN-CLAUDE  
CARRIÈRE



“ .....It is not that the authors of the Mahabharata could see into the future. It is that **the present has made real the dreams of the generations who came before us.**?.....

Modern technology often **parallels** with ancient innovations and dreams.

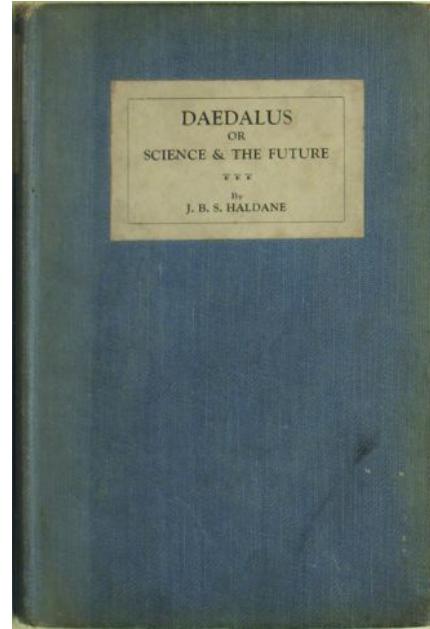
The **present** continually reimagines the **past**, as with bionics and prosthetics extending of **human capabilities**.

Looking into the **PAST** in order to TRANSFORM the **FUTURE**

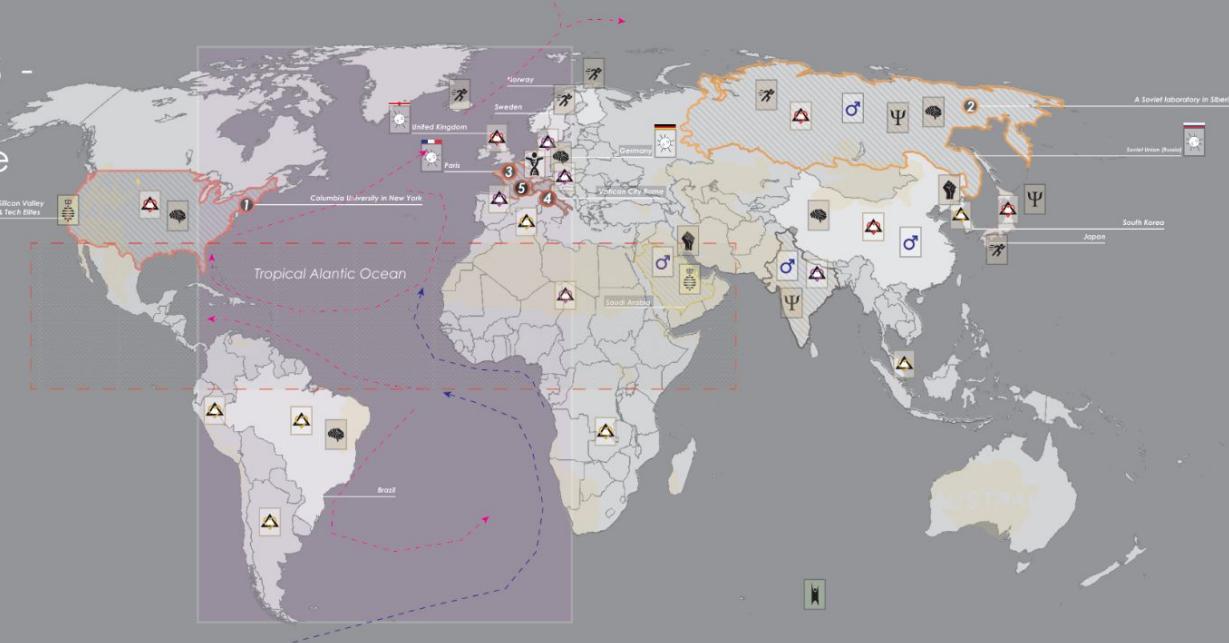
*PAST informations in the form of BOOK*

**Architecture**

*making a PREDICTION and TRANSFORMATION  
to the FUTURE*



# SITE ANALYSIS - Haldane Retrospective



# SITE ANALYSIS -

## Haldane Retrospective

global  
repu-  
coun-

### Past Reality Before The Retrospective

#### 1 Mendelian Genetics and Morgan's Work (1912)

Columbia University New York

- In 1912, Thomas Hunt Morgan successfully mapped mendelian factors (genes) onto chromosomes using fruit flies.
- This breakthrough established the **chromosomal theory of inheritance**, proving that traits were carried by specific genes on chromosomes.
- The long-term impact of this discovery became clear much later, enabling controlled genetic manipulation in plants, animals, and even humans.

#### 2 Haldane's Futuristic Retrospective (1920 - 2070s)

##### A Soviet laboratory in St. Petersburg

#### 3 The Development of Porphyrinococcus Fixator (1940)

##### A Soviet laboratory in St. Petersburg

#### 4 The Q Train Catastrophe (1942)

##### A Soviet laboratory in St. Petersburg

#### 5 The Scientific Breakthrough of Ectogenesis (1951)

##### A Soviet laboratory in St. Petersburg

#### 6 Religious and Ethical Resistance (1965)

##### Vatican City State, Italy

#### 7 Institutionalization of Ectogenesis in France (1968)

##### Paris, France

#### 8 Late 20th and early 21st century

##### Widespread Adoption / Rise of Selection Based Reproduction

#### 9 The Role of the State in Genetic Control

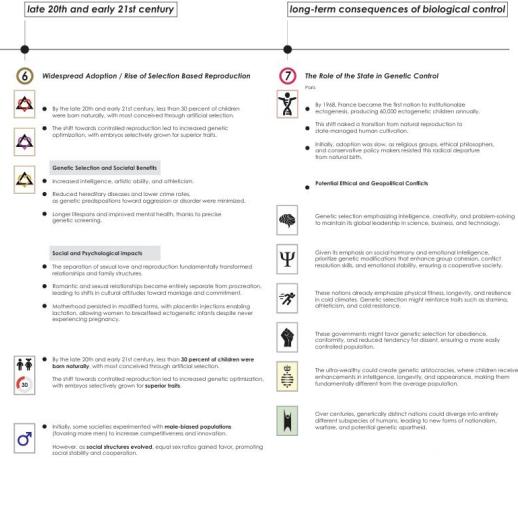
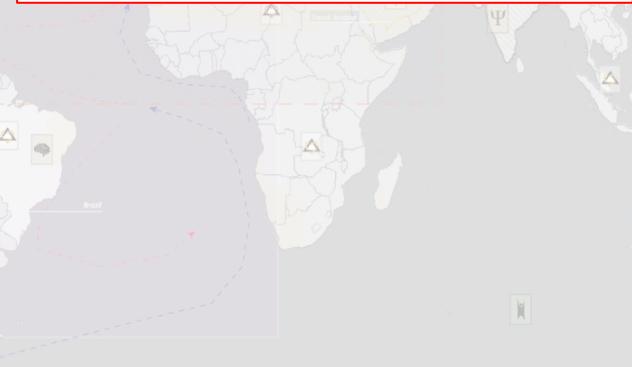
##### Paris, France

#### 10 Long-term consequences of biological control

##### Paris, France



nations priority for different ethical



#### France

#### Louis Pasteur (1880-1882): Discovered attenuated vaccines by weakening bacteria, laying the foundation for vaccine development in the field of bacteriology.

#### Emile Roux & Alexandre Yersin (1888): Identified bacterial toxins, leading to antitoxins therapies and the development of diphtheria vaccines.

#### Germany

#### Rudolf Virchow (1850-1852): Developed germ theory, proving that bacteria cause disease. Work on tuberculosis and cholera helped scientists understand bacterial mutations and immunity.

#### Paul Ehrlich (1909): Pioneered selective toxicity (the idea that drugs can target specific cells without harming others), leading to the first genuine antibiotic, Salvarsan (for syphilis).

#### United Kingdom

#### Alexander Fleming (1923): Discovered penicillin, the first true antibiotic, by observing how mold (Penicillium) killed bacteria.

#### Henry & Chain (1940): Developed mass production techniques for penicillin, saving millions of lives in WWII.

#### Soviet Union (Russia)

#### George Gause (1920): Studied bacterial competition, leading to antibiotic resistance.

#### Zinodine Ermakov (1940): Developed Soviet penicillin, improving the nation's ability to treat bacterial infections during WWII.

#### United States

#### John D. Rock (1951): Performed the first tubal ligation, marking the beginning of family planning in the US.

#### Robert Edwards (1978): Developed in-vitro fertilization (IVF), marking the first successful birth via IVF.

#### James Watson & Francis Crick (1953): Discovered the structure of DNA, leading to a revolution in molecular biology.

#### Paul Berg (1972): Developed recombinant DNA technology, allowing scientists to manipulate DNA molecules.

#### Stanislaw Burzynski (1976): Developed the first gene therapy, using a virus to insert a gene into a patient's cells.

#### James Watson (1990): Discovered the structure of RNA, leading to a revolution in molecular biology.

#### George Church (1998): Developed synthetic biology, creating artificial life forms.

#### Jeffrey D. Allard (2000): Developed the first gene drive, allowing scientists to edit entire populations of organisms.

#### United Kingdom

#### Timothy Hunt (1975): Discovered the cell cycle, leading to a better understanding of cancer.

#### John Sulston (1985): Discovered C. elegans, a tiny roundworm used for genetic research.

#### Sir Martin Evans (1981): Discovered stem cells, leading to a revolution in regenerative medicine.

#### Sir John M. Gurdon (1962): Discovered that animal cells can be reprogrammed to become stem cells.

#### Sir Ian Wilmut (1996): Developed Dolly the sheep, the first cloned mammal.

#### Sir Sir Kizza Besigye (1990): Discovered the first effective treatment for AIDS, zidovudine (AZT).

#### Sir Sir Venkatraman Ramakrishnan (1999): Discovered the structure of ribosomes, leading to a revolution in molecular biology.

#### Sir Sir J. Craig Venter (2001): Completed the Human Genome Project, mapping all the genes in the human genome.

#### Sir Sir Richard Roberts (1989): Discovered the structure of retroviruses, leading to a revolution in molecular biology.

#### Sir Sir David Phillips (1992): Discovered the structure of the ribosome, leading to a revolution in molecular biology.

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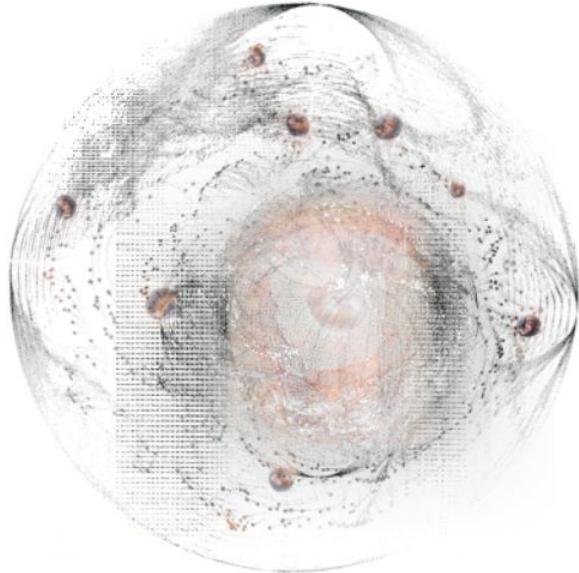
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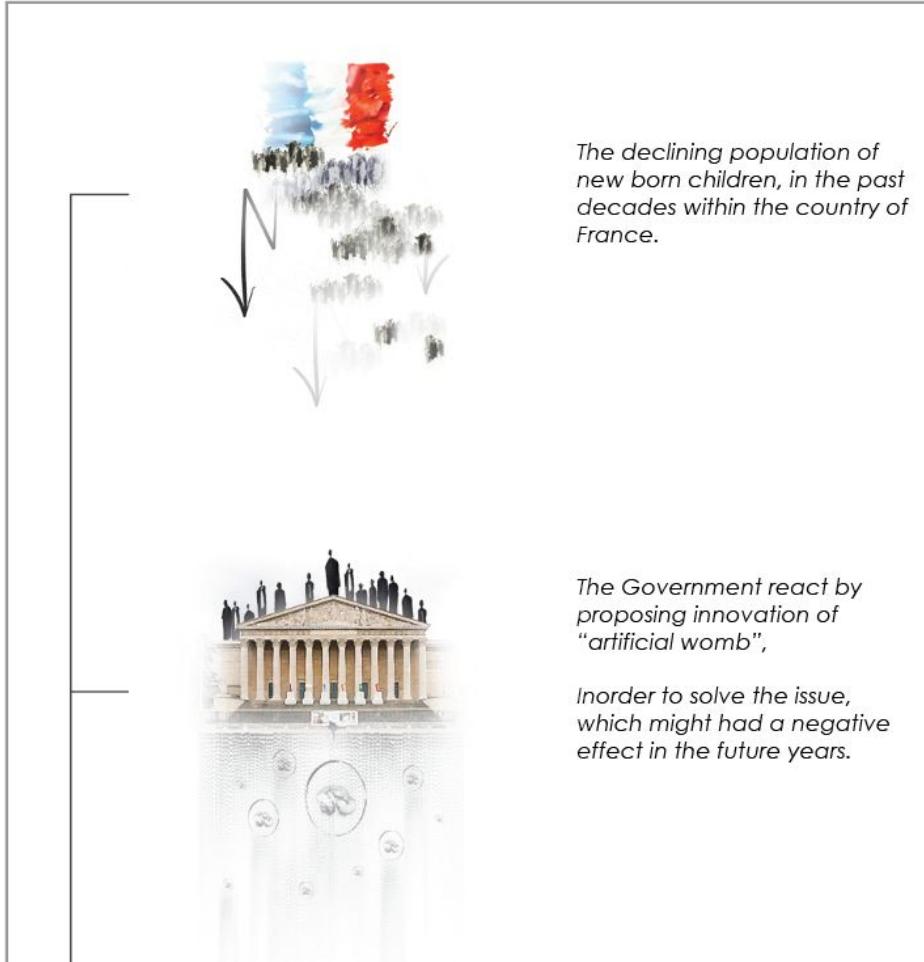
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*"How would artificial womb change  
the country's society and ethic?"*

*Within a architectural illustration*

## **Artificial Womb Revolutionary in Paris**





## **Key Campus Spaces**

The design of the school supports this learning model through:

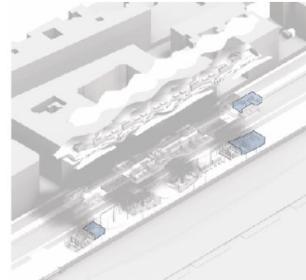
**Public Interaction Zone**



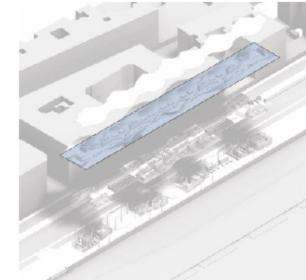
**Private Learning Spaces**



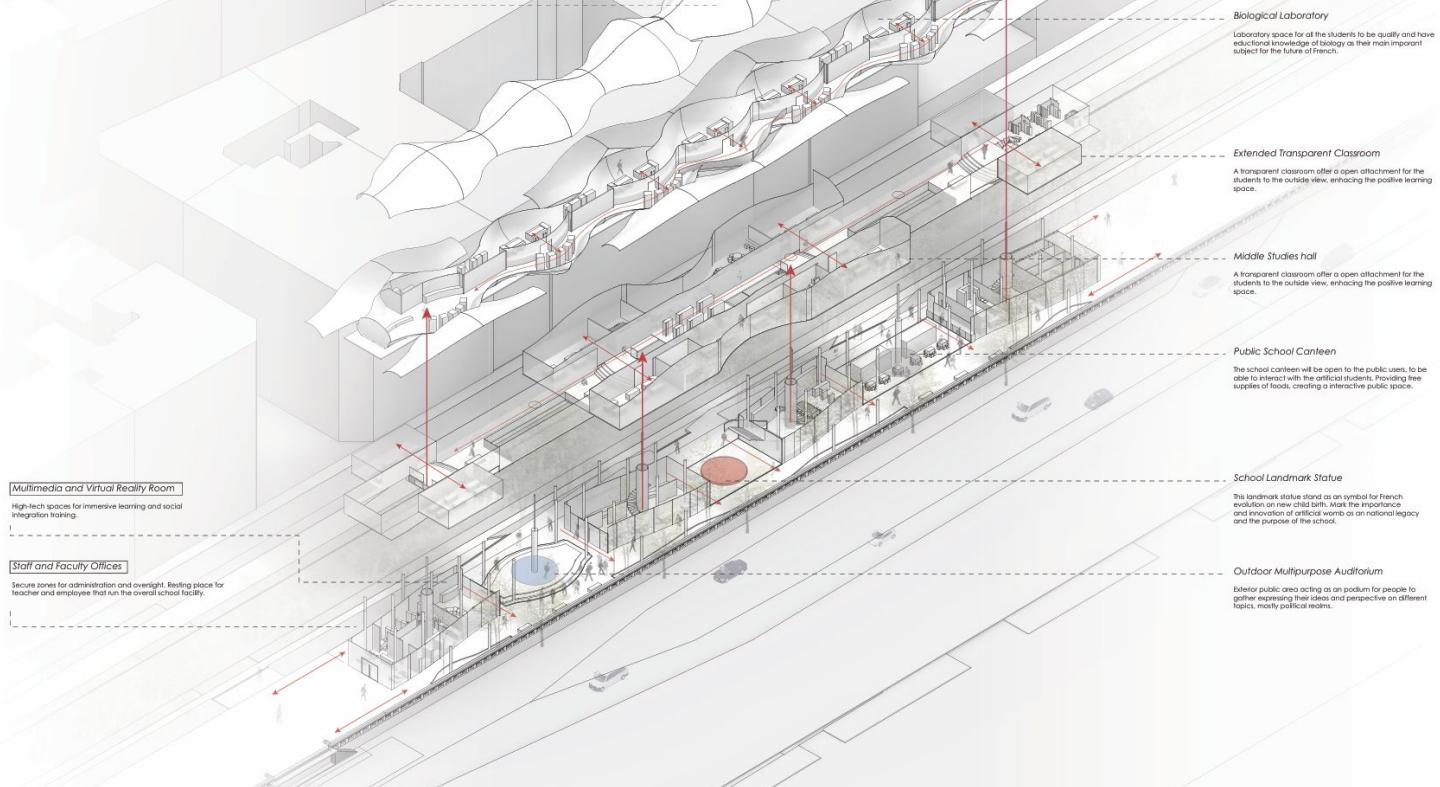
**IT Development Zones**

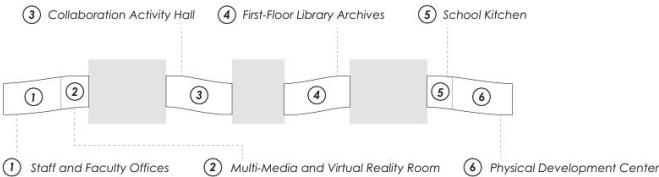


**Research & Observation**

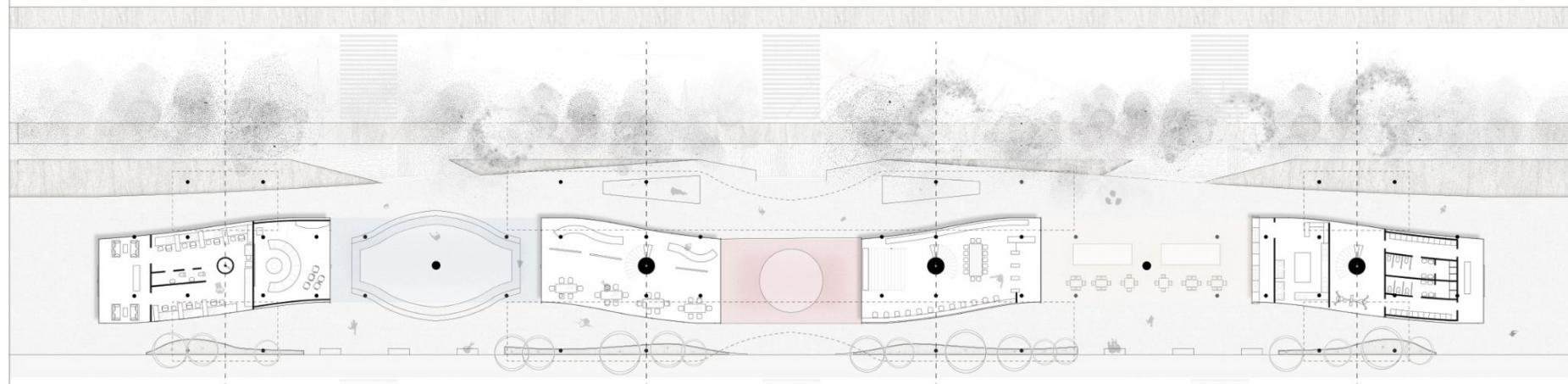


## EXPLODE AXOMETRIC

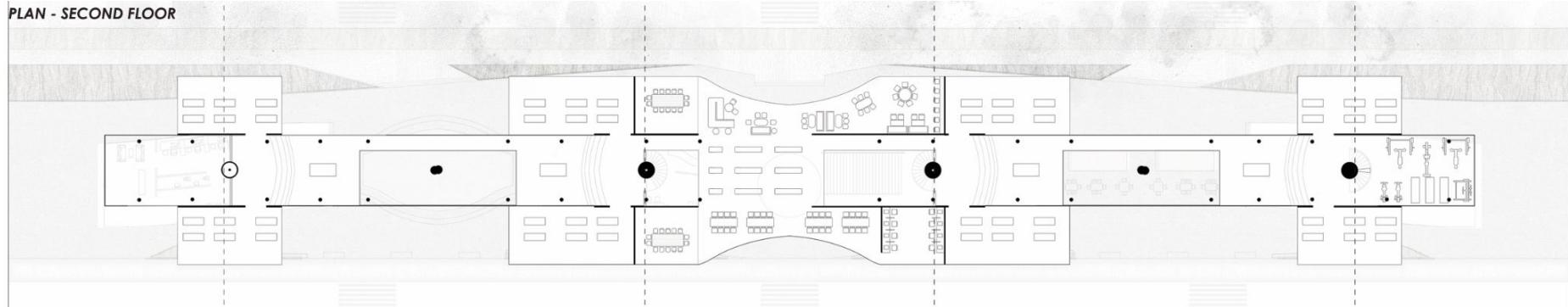
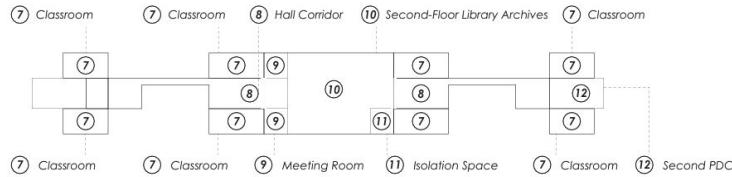


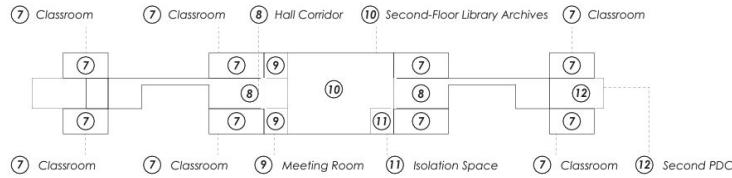


### PLAN - GROUND FLOOR

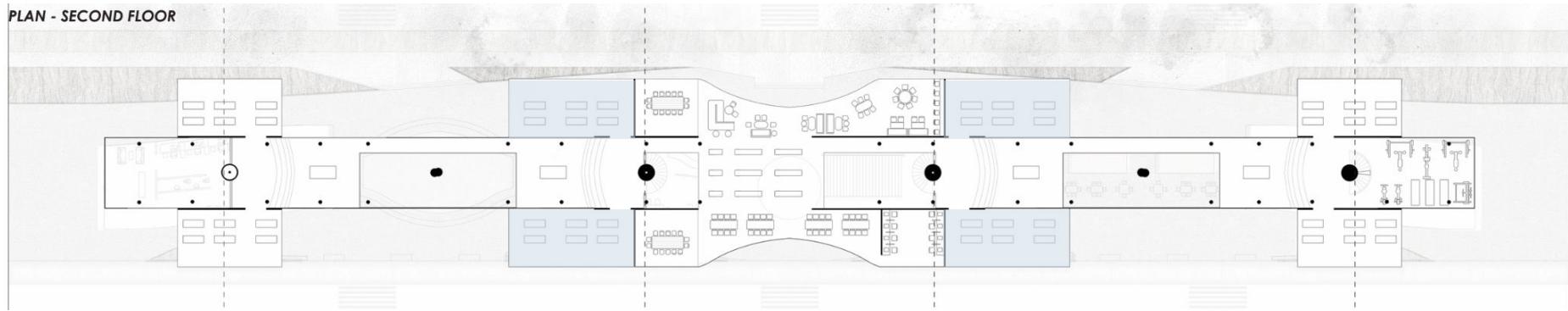




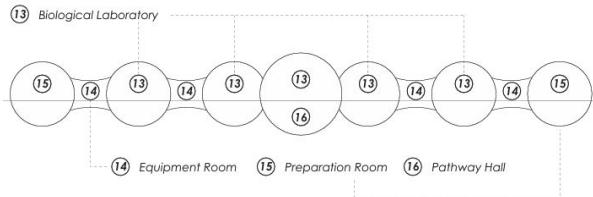




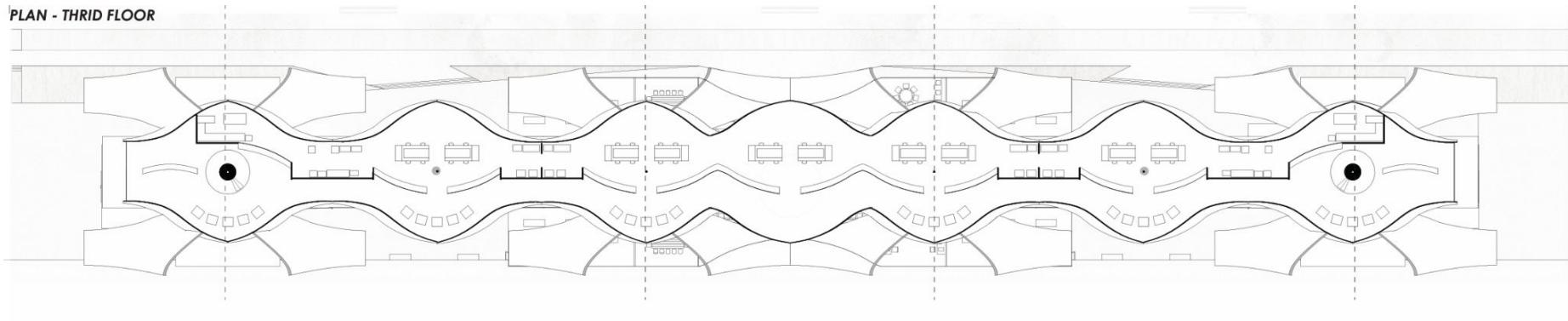
PLAN - SECOND FLOOR





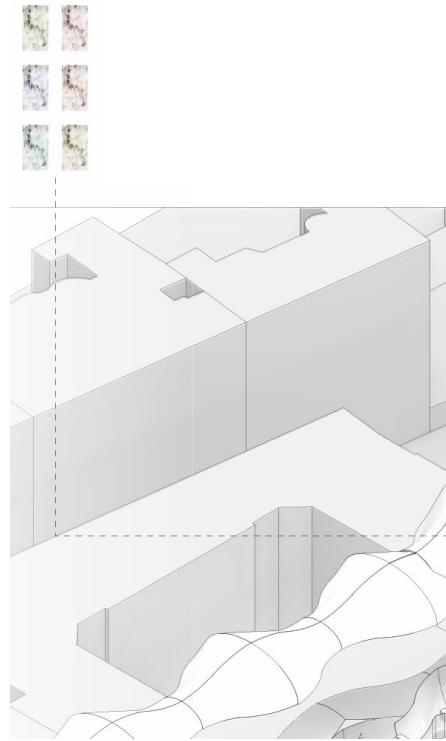
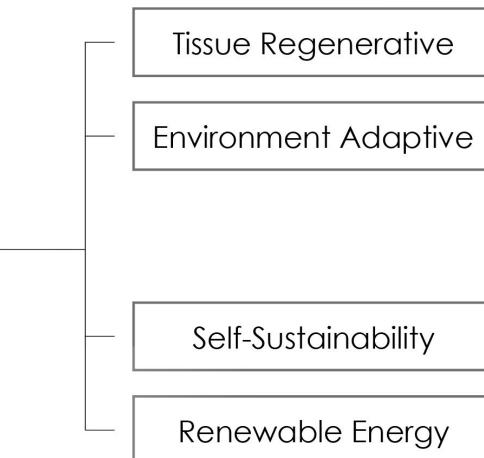


**PLAN - THIRD FLOOR**



## **Projection of Materials**

Based on the Book "Daedalus; or, Science and the Future". The use of material will change from a conventional hard structure materials to a more REGENARATIVE, ADAPTIVE, and SELF SUSTAIN MATERIALS.

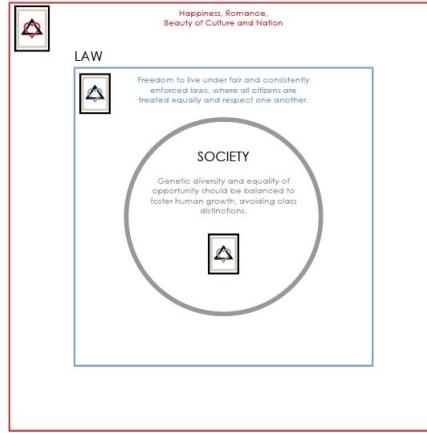






## Standard Ideology of France

### NATIONAL STATUE



### Liberté (Liberty)

True liberty is the security of persons and property, where individuals can enjoy themselves without fear of unjust interference, as long as they respect others rights.

It is the freedom to live under laws that are fair, equal, and consistently enforced, ensuring that all citizens are treated equally and justly.

### Égalité (Equality)

encourage human growth without rigid class distinctions, and that societies should aim for a system that values diversity of human capacities while fostering fairness in access to opportunities.

### Fraternité (Fraternity)

A sense of national unity and solidarity, promoting collective well-being over individualism.

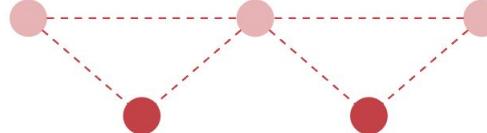
### Liberté (Liberty)



### Égalité (Equality)



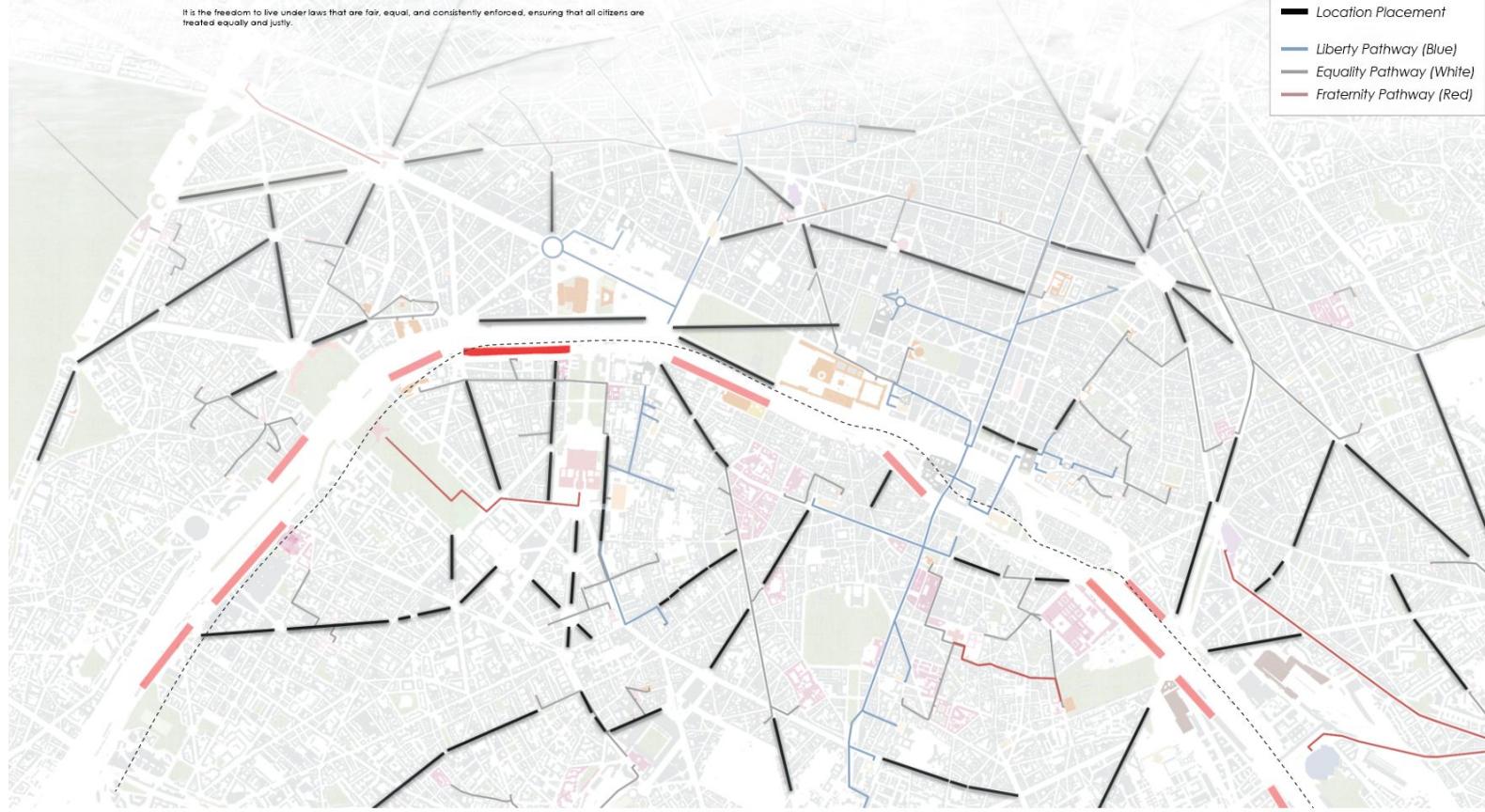
### Fraternité (Fraternity)



### Urban Development Plan

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It is the freedom to live under laws that are fair, equal, and consistently enforced, ensuring that all citizens are treated equally and justly.

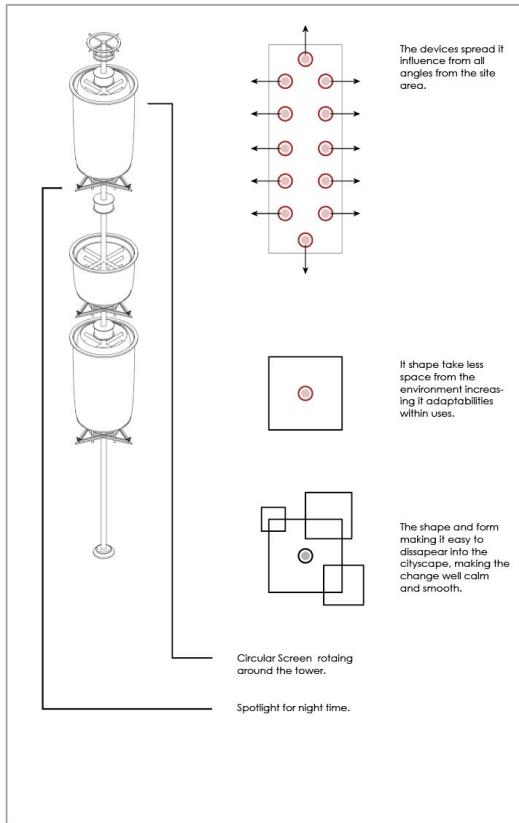
- Main Site
- Location Placement
- Liberty Pathway (Blue)
- Equality Pathway (White)
- Fraternity Pathway (Red)



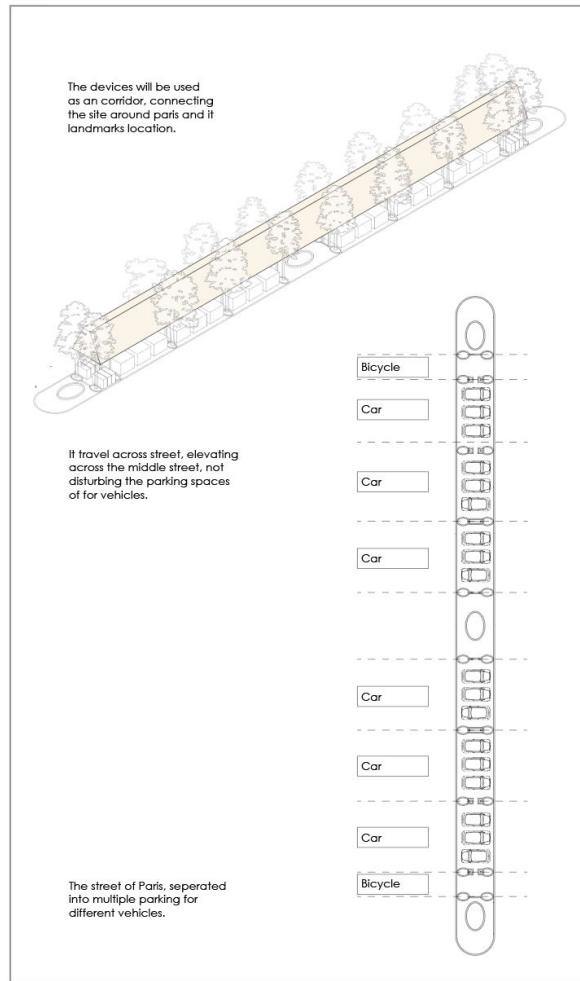




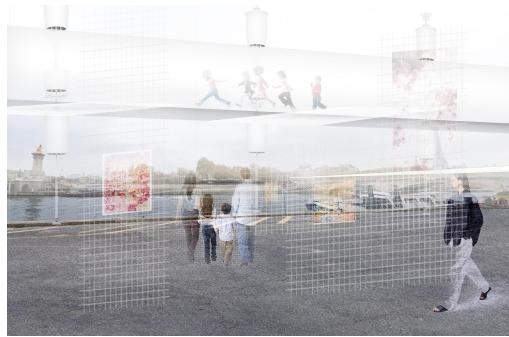
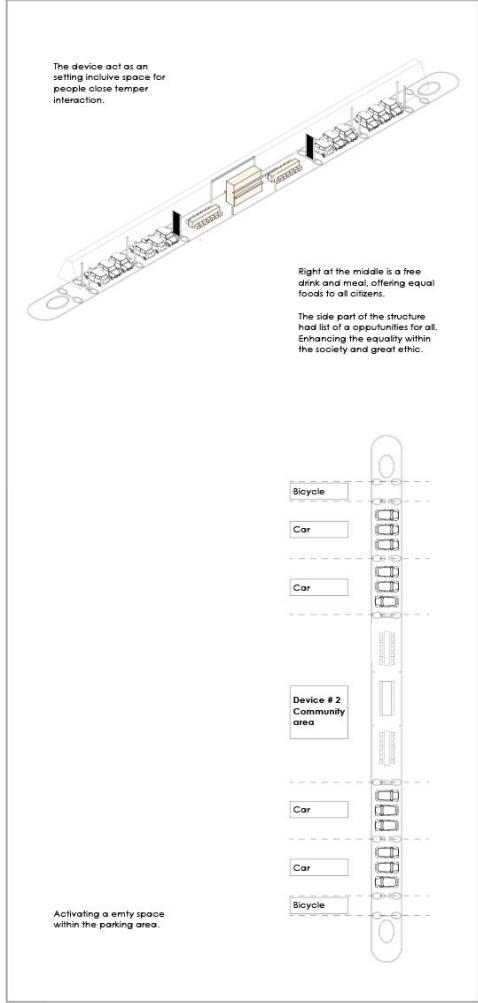
## Infrastructure Devices #1



## Infrastructure Devices #2



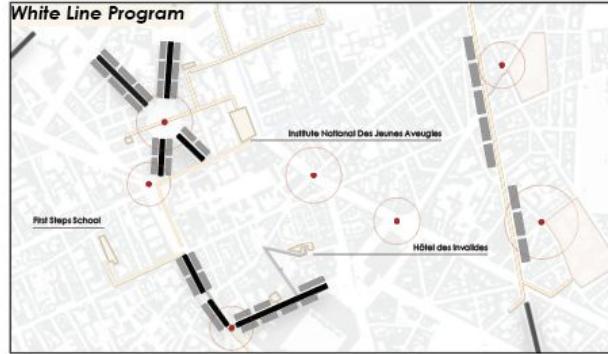
### Infrastructure Devices #3



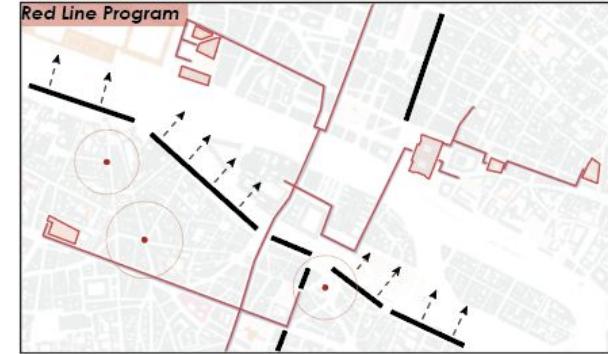
### Blue Line Program



### White Line Program

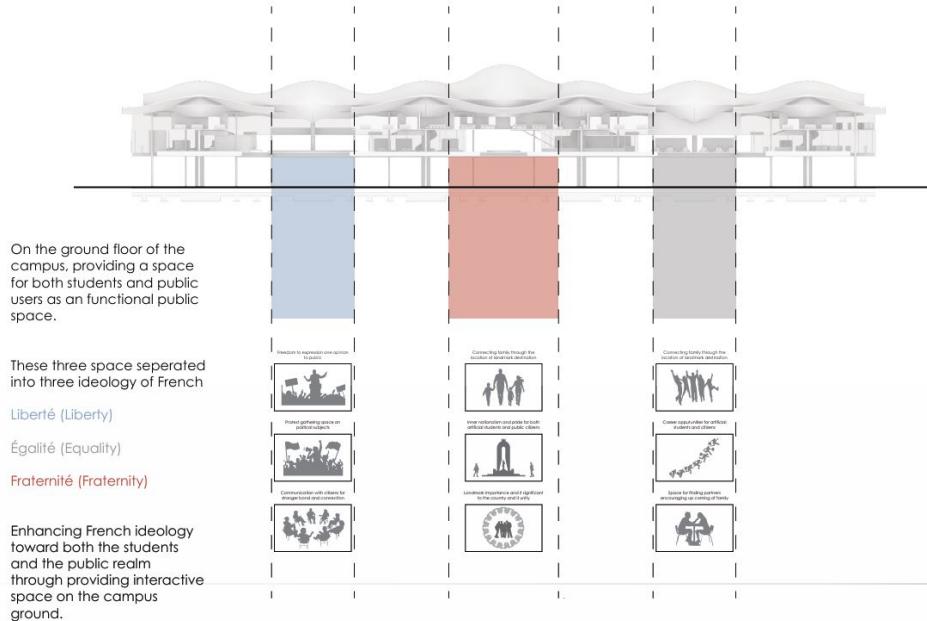


### Red Line Program



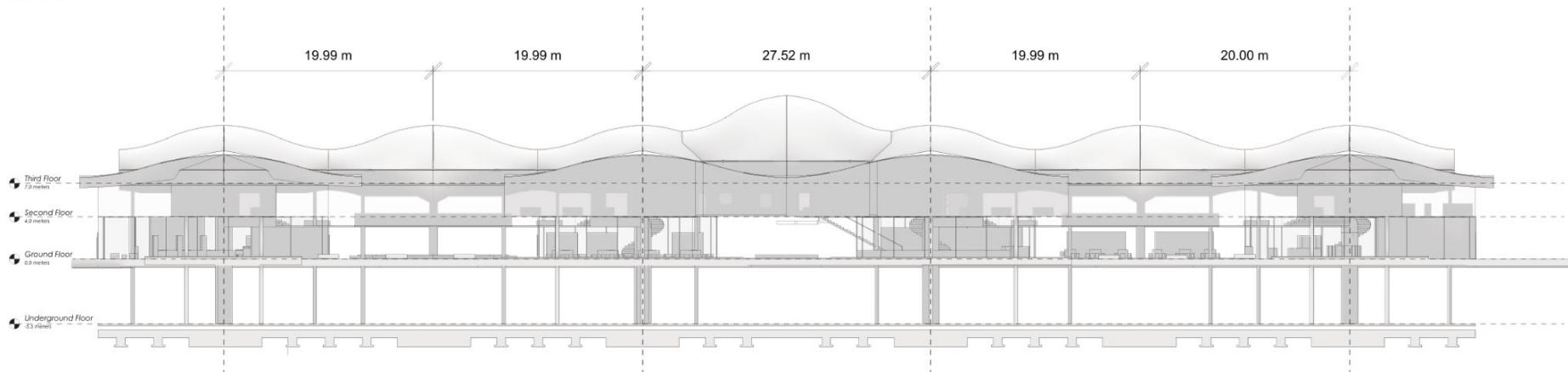


## Public Ideology Functionality



## ELEVATION

North - South



## SECTION

