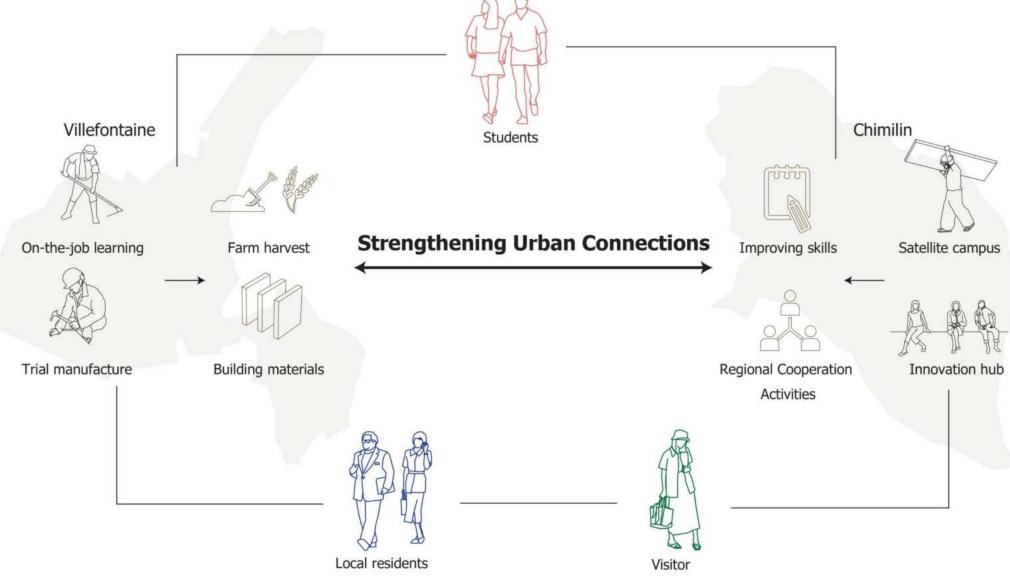
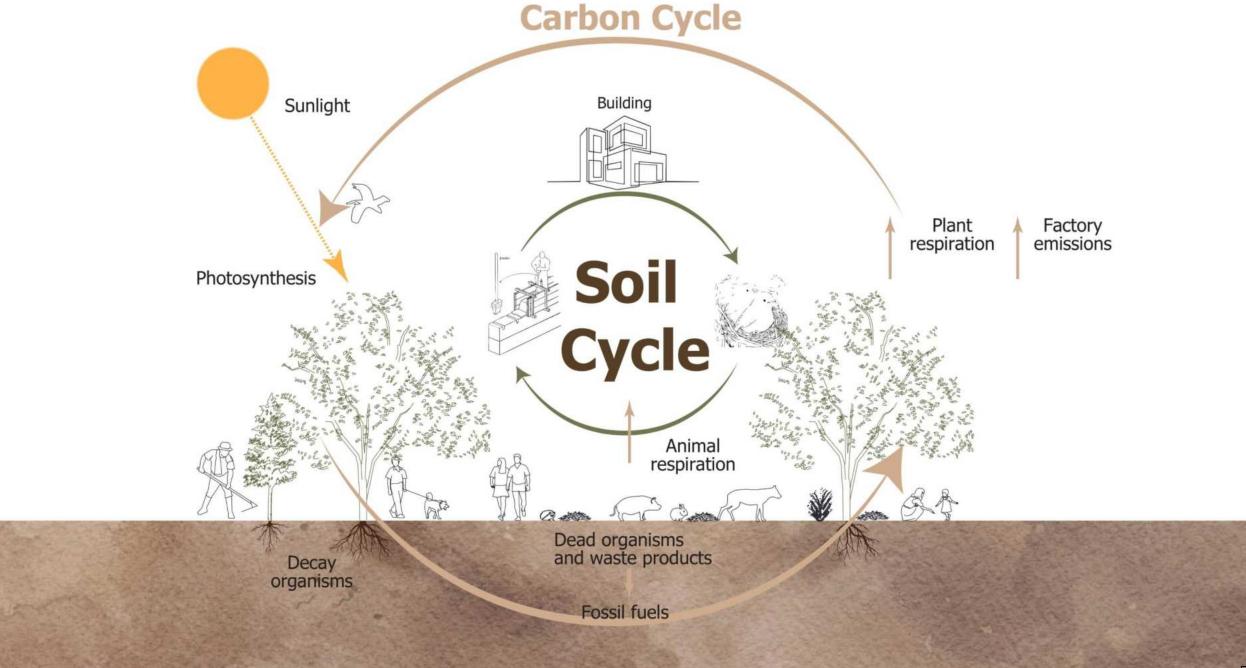
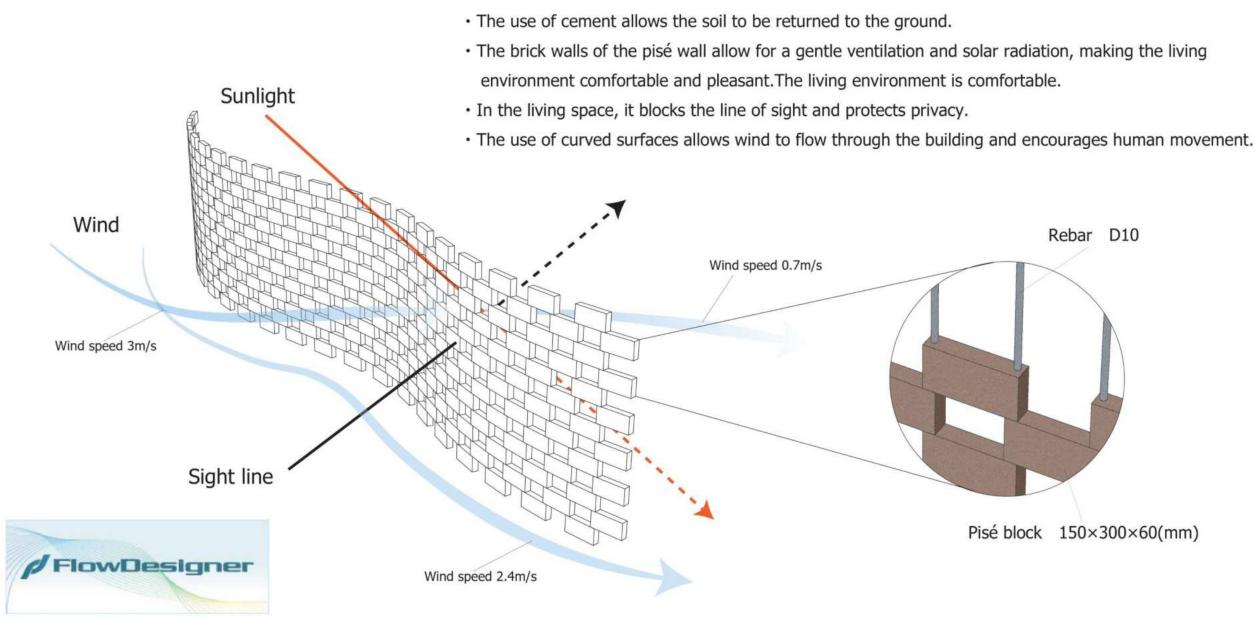


Program





Use of Pisé



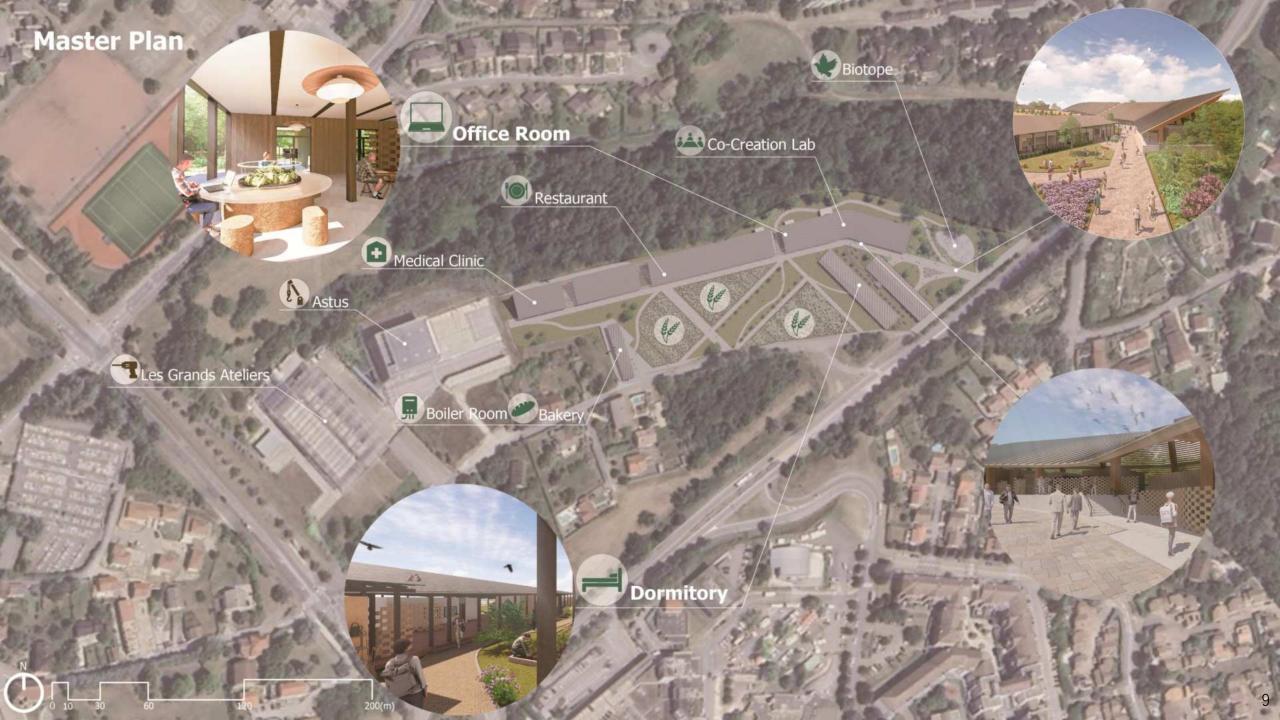
Points



Villefontaine program

Villefontaine

Chimilin Villefontaine is planned as a place to grow Use own products for trials and process soil and agricultural products, which will be the source of materials for trial practice construction. growing making wheat building materials farming produce Learning local residents students intellectual general users pise/work place Resource-Proposal Deliverables



Massing Diagram

1 Wind × Flow 2 People × Flow 3 Land × Flow 4 Green × Flow

In Nord-Isère, the wind blows mainly from the north throughout the year. Building on the north side of the site created a comfortable space for people and crops for the wind to enter the site. Passing flow lines through the centre of the site. Creating flow lines that allow people more flexible activities on a large site stretching from east to west.

Environmental considerations were made so as not to destroy the original form of the site. In order to make use of the rich topography, volumes were manipulated along contour lines.

Gaps have been created in the building to connect the diverse ecosystems of Nord-Isère with people's activities. Environmental elements such as light and wind passing through the gaps provide an opportunity for users to experience the natural environment.

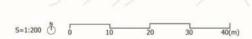
Building B -Plan

Co-Creation Lab

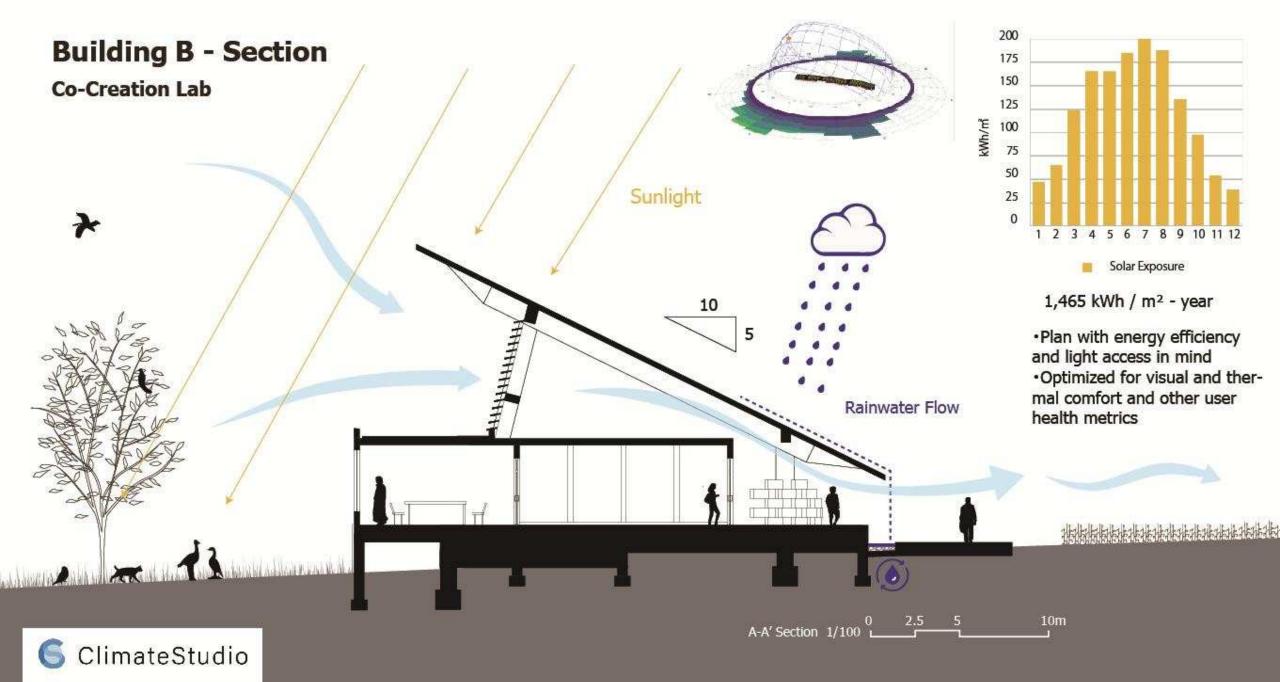
Ground floor plan

- 1.Storage room
- 2.Guard room
- 3.Clinic
- 4.Sanitary/Toilets (M/W)
- 5.Restaurant
- 6.Reception
- 7.Changing room (M/W)
- 8.Kitchen
- 9.Office spaces
- 10.Meeting
- 11.Multi-purpose room
- 12.Machine rooms
- 13.Laboratory
- 14.Prototyping area





South Elevation





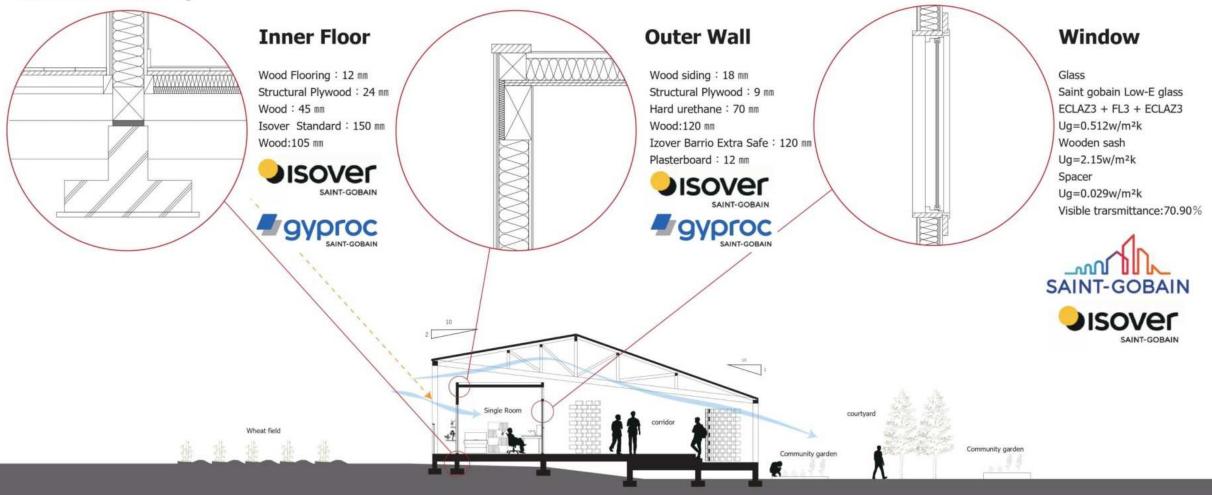






Building B - Detailed Cross Section

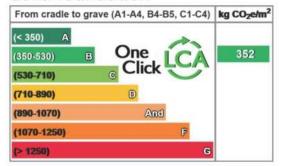
Student dormitory



B-B' Section 1/100 _______ 10m

Life Cycle Assessment

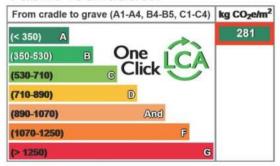
Solid foundation



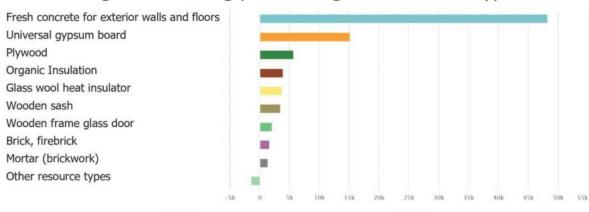
-71 kg CO₂e/m²



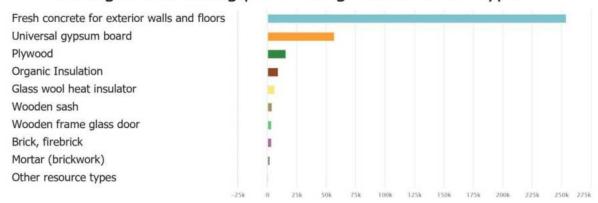
Fabric foundation



Total global warming potential kg CO₂ Resource type



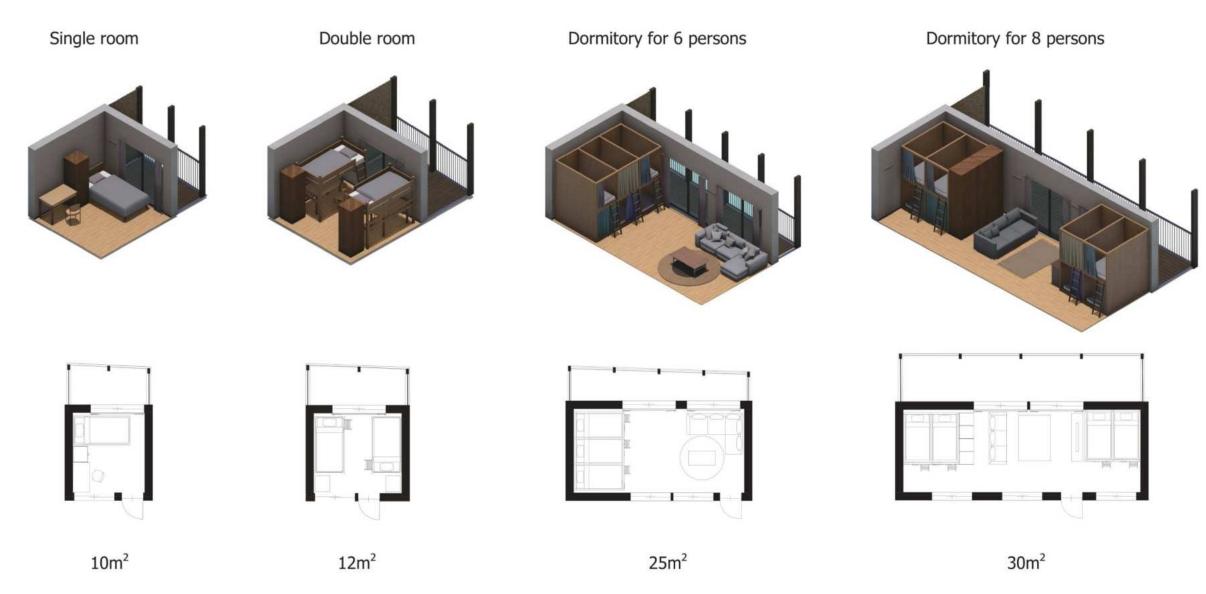
Total global warming potential kg CO₂ Resource type







Unit



Building B - Student Dormitory



Single room Double room

Building B - Student Dormitory



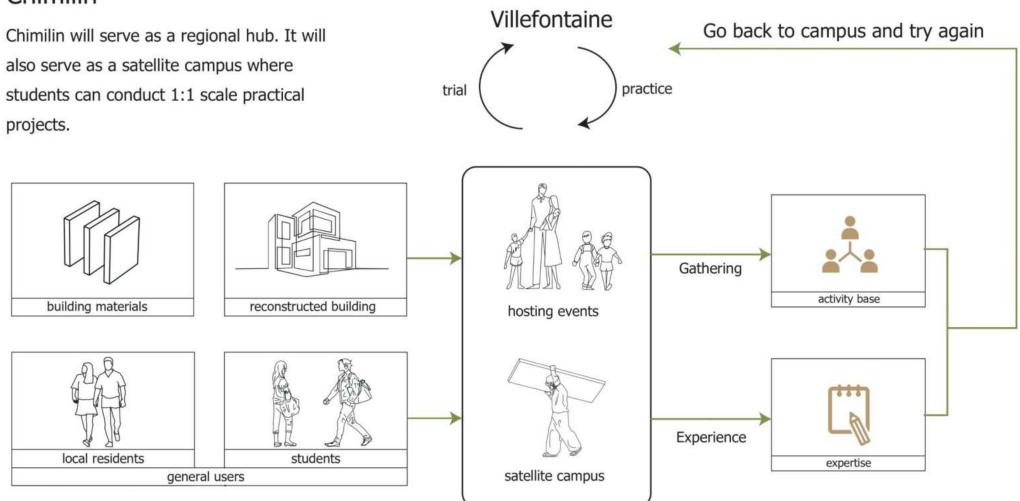
Dormitory for 6 persons

Dormitory for 8 persons



Chimilin Program

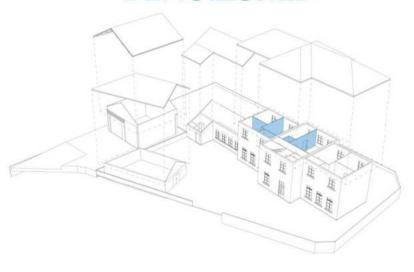
Chimilin



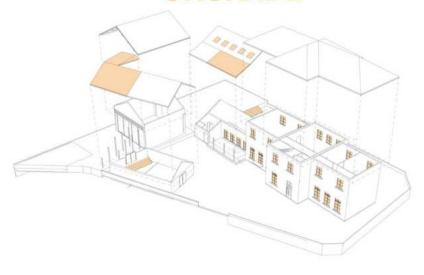


Renovation program

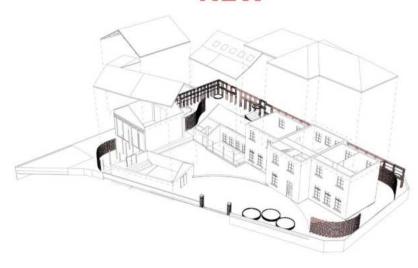
DEMOLISHED



URGRADE



NEW



The site includes an abandoned school and two garages with all of the walls made of pisé. The inner walls separating the rooms are demolished to make room for a new use of the space.

The roof and windows will be renovated to improve the usability of the existing building. For site circulation, the roof was extended from the existing portion to connect to the west side of the site, and a terrace was placed on the front plaza. Skylights were installed to bring in light from above. The windows are triple-skinned to enhance the thermal insulation inside the building.

An outdoor extension will be built to serve as a satellite campus and regional hub. The plaza in the northern part of the site will be used for 1:1 scale learning and events as a regional hub. A partition made of bricks made of pisé was planned to create a circular flow line.



Building A - Plan

1F Plan

- 1.Playroom
- 2.Meeting room
- 3.Storage room
- 4.meeting room

