

Interreg 
CENTRAL EUROPE European Union
European Regional
Development Fund
SALUTE4CE

TAKING
COOPERATION
FORWARD



Città di Alessandria

**D.T3.3.2 The investment preparation documentation
for pilot action in Alessandria**

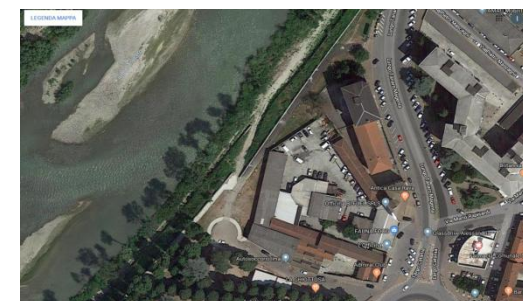
Potential benefits from pilot investments

Benefits	Pts 0-3	Comments (if needed)
a) Increasing functional coherence of a network consisting of various types of public spaces	3	
a) Creating "neighbourhood spaces" for spending free time	3	
a) Increasing social integration of the local community	3	
a) Enabling reuse of urban wasteland by the local community	1	
a) Reducing the threat of anti-social behaviour, reducing the attractiveness of the place for criminals	1	
a) Increasing (or creating) the visual appeal of the place	3	
a) Creating a positive identity of the place and its vicinities	3	
a) Improving availability / quality of public greenery (in terms of urban standards or ecosystem services)	2	
a) Improving accessibility of green spaces for elderly, mothers with children and/or disabled persons.	3	
a) Increasing spatial continuity and functional coherence of blue and green spaces (linking with already existing or planned blue or green areas / green spots)	1	
a) Increasing of urban biodiversity (e.g. introduction of native plant species, elimination of invasive plant species).	2	
a) Providing the nutrition functions for wildlife (small animals incl. butterflies and other pollinators, or small birds)	3	
a) Improving the micro-climate (incl. reducing the exposure of people to the heat island effect)	2	
a) Improving rainwater management (by local use of excess rainwater, or infiltration to the ground, or local retention)	1	

The suitability of a given place for a pilot investment

Issues	Pts 0-3	Comments (if needed)
a) Ownership conditions (public, private)	3	
a) Acceptance of local community (in the context of possible conflicts with owners / users of adjacent properties)	3	
a) Proximity to “incompatible” objects (e.g. shopping centres, industrial centres, administrative centres, logistics centres, urban infrastructures, wastelands)	2	
a) Proximity to compatible facilities (e.g. residential centres, sports centres, cultural centres, educational centres)	3	
a) Location of the site in the context of ease / difficulty of maintenance, cleaning services and quick repair	1	
a) Potential conflicts with urban infrastructure at the site	0	
a) Security issues - the threat of vandalism or anti-social behavior, the attractiveness of the place for criminals	2	
a) Protection requirements for cultural or natural values already existing in a given place	0	
a) Current accessibility for elderly, mothers with children and/or disabled persons	3	
a) Current intensity of the heat island effect in the place of potential green spot	2	
a) Other environmental conditions for people to stay (air quality, exposure to noise, risk of flooding etc.)	2	

Targeting of 10 sites of intervention



The following table shows the scores achieved by each area:

No.	NAME	SCORE
1	Via Galvani ang. Via De Gasperi – School Villaggio Europa District	82
2	Via Croce/Via Pasino – School Morando District	75
3	Viale Teresa Michel – Near Urban Cemetery	75
4	Area Via Don Bosco - Near Municipal Bursar	74
5	Area Scuola Campi	73
6	Area Via Raschio	70
7	Giardini Pittaluga	68
8	Area Lungo Tanaro Magenta	67
9	Area Via Aldo Moro	61
10	Area Panorama	52

1. Via Galvani ang. Via De Gasperi – School Villaggio Europa District

Aiuola V0402 Sup. 2353,77 mq – GPS 44°54'02.7"N 8°37'20.3"E



2. Via Croce/Via Pasino – School Morando District

Aiuola V0450 Sup. 789,07 mq – GPS 44°55'04.6"N 8°37'40.5"E
Aiuola V0073 Sup. 4062,61 mq – GPS 44°55'02.2"N 8°37'43.2"E



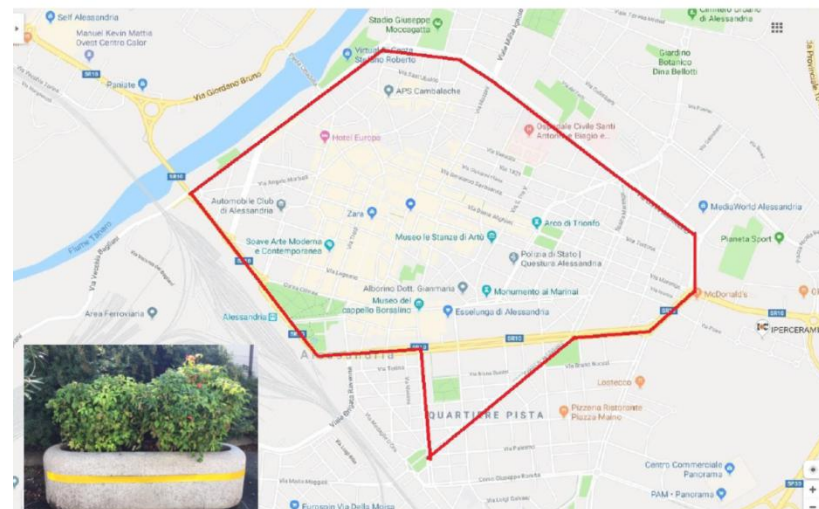
3. Viale Teresa Michel – Near Urban Graveyard

Aiuola V0694 Sup. 7095,11 mq – GPS 44°55'17.0"N 8°37'42.7"E



4. City Center Metamorphosis

Over 100 planters equipped with environmental monitoring units



TARGET	FALLOUT	CRITICAL ISSUES	RATING INDEX (N. VOTES / N. VOTERS X 100)
T3 - The city's green lung	<ul style="list-style-type: none"> - Reconstruction of the native lowland forest - Choice of vegetables for their purifying ability - Temperature regulation of the area - Improvement of particulate filtration - Possibility of educational activities with schools through the city's "green circuit" (botanical garden - plain forest - orchard - island of sensations – river banks) - Possibility of being equipped for outdoor sports activities - Place of social aggregation - Improvement of knowledge of its territory and its history - Virtually no environmental impact (water point only) - Possibility of composting of waste materials at the municipal botanical garden - Possibility of using battery-powered equipment for maintenance 	<ul style="list-style-type: none"> - Planting is necessarily less ordered than in a park - Less controllable areas for public order 	100%

AREAS	PROJECTS
1_Via Galvani ang. Via De Gasperi – School Villaggio Europa District	T1 - Urban orchard with strips of wild flowers
2_Via Croce/Via Pasino – School Morando District	T5 - The refuge forest
3_Viale Teresa Michel – Near Urban Cemetery	T3 - The city's green lung
4_City Center	T6 - City Center Metamorphosis (more than 100 planters with zero environmental costs . Some of these flower boxes will be equipped for environmental monitoring)

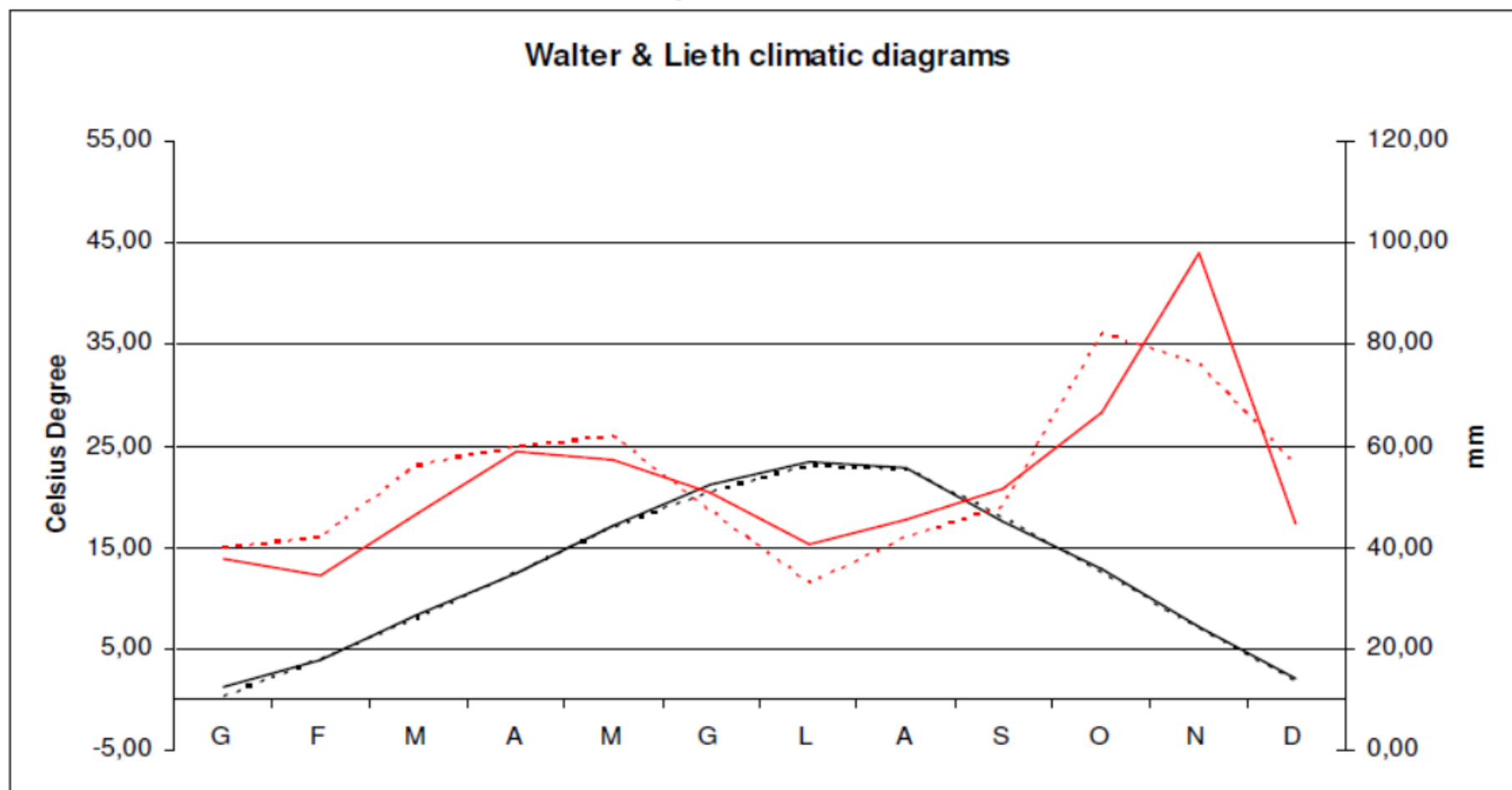


Grafico 1: andamento medio delle temperature (linea nera) e della pluviometria (linea rossa) nei periodi 1926-1972 (tratteggiato) e 1990-2018 (intero).

Site 1. Urban orchard

Via De Gasperi, 44°54'02.6"N 8°37'20.5"E, via Galvani

The spot is a rectangular grass-grown level ground, 1600 m² large, situated at the corner of via De Gasperi and via Galvani crossroad, in Europa's neighbourhood.

In the west side of this zone is situated the primary school "Villaggio Europa". Teachers, students and their families will be involved in the achievement's phases, in the didactic and green-care activities.

This area has been uncultivated and badly equipped for a long time: the goal's project is the realization of the "Urban orchard" through the plantation of native fruit-trees and the sowing of a wildflower's mix useful for pollinating insects.

The pictures below provide a representation of the area before and after the intervention.

Tavola 1

- COROGRAFIA -



scala 1:1000

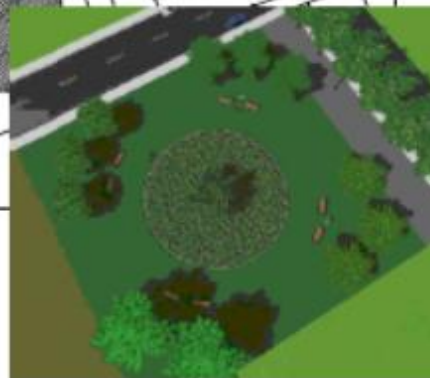




Fig. 1-2. General view of the investment area at Via De Gasperi.



Fig. 3. Rendering view of the investment area at Via De Gasperi

Site 2. Refuge forest

Via Benedetto Croce, 44°55'02.2"N 8°37'43.2"E

The interested area is an irregular shaped, grass-grown irregular leveled ground, 1225 m² large.

This area is crossed by a huge asphalt string in front of the primary school “Morando”, sited in via Benedetto Croce.

The project’s goal is the realization of the “Refuge forest” through the plantation of trees and berry bushes in order to help the wild avifauna.

The following images provide a partial area’s modern representation and how it could be retrained by this plan.

Tavola 1

- COROGRAFIA -

scala 1:1000

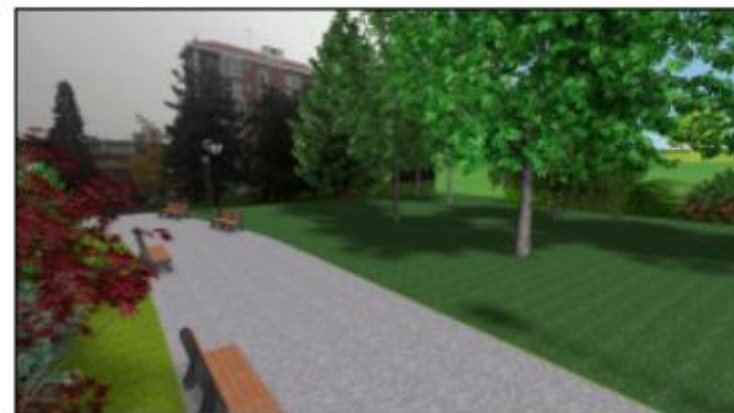




Fig. 4-5. General view of the investment area at Via Benedetto Croce.



Fig. 6. Rendering view of the investment area at Via Benedetto Croce.

Site 3. City's green lung

Via Teresa Michel, 44°55'17.21"N 8°37'42.8"E, Cimitero Urbano Alessandria

The spot is a rectangular grass-grown area, leveled in the middle and featured by a perimetrical ditch, 2000 m² large.

On the south side the area is delimited by a foot-way planted with trees, and on the north side by the extension of the urban cemetery of Alessandria.

The project's goal is the realization of the "City's green lung" through the plantation of native forest trees with thermo-regulation and depurative functions and installation of sports equipment.

Tavola 1

- COROGRAFIA -

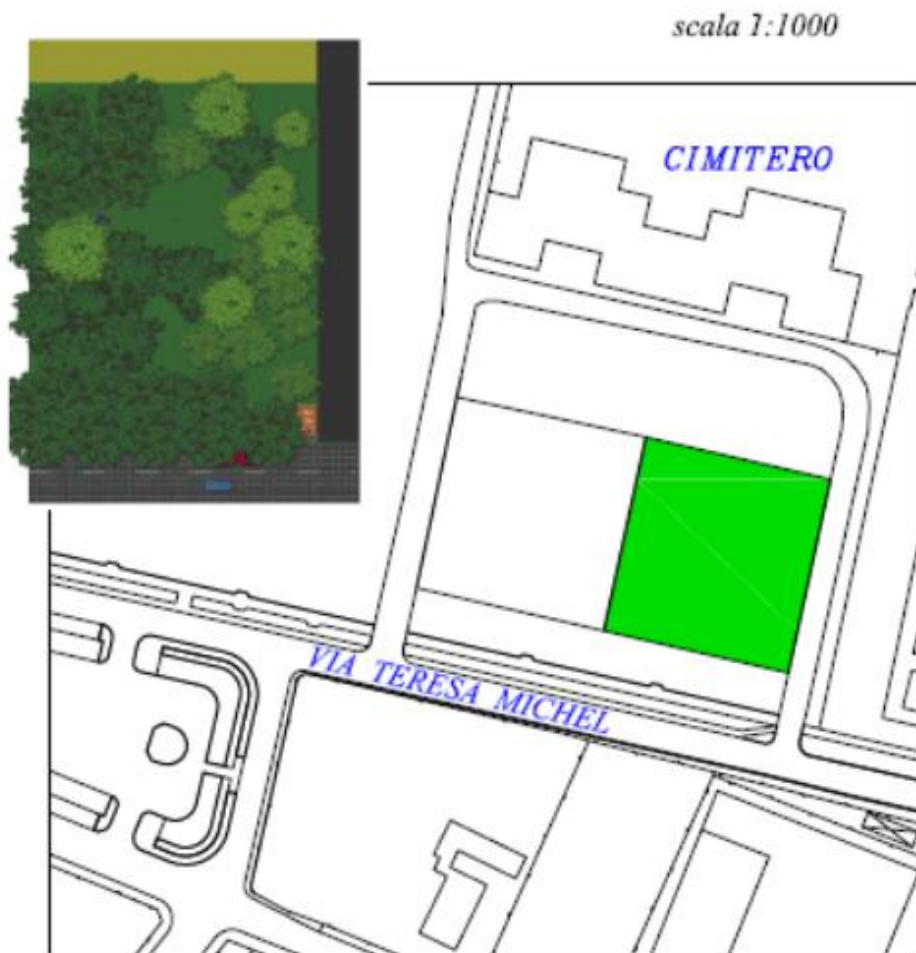




Fig. 7-8. General view of the investment area at Via Teresa Michel



Fig. 9. Rendering view of the investment area at Via Teresa Michel

Site 4. Greenery in the city center

Alessandria city center 44°54'48.2"N 8°36'58.1"E

This is a wide-spreaded area: the project provides the retraining of 300 planters in the main streets of the city centre.

The old town is characterized by a lack of greenery because of the almost total deficiency of green areas.

The project goal is the “metamorphosis” of this area with the presence of planters containing bio-indicator plants, as to value air pollution.



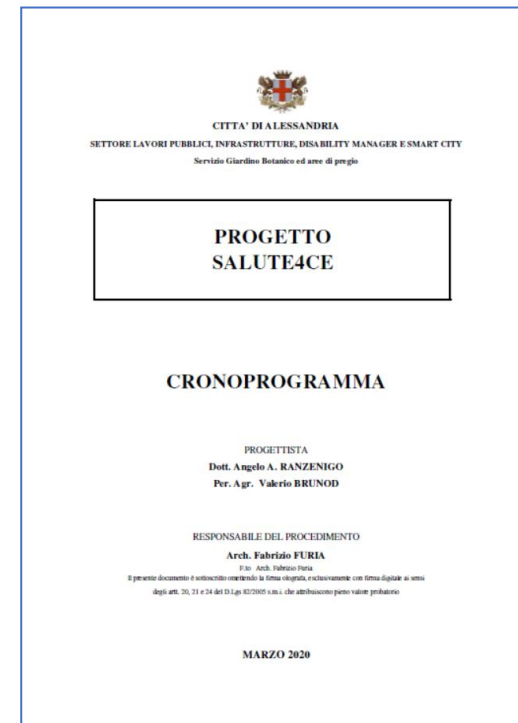
Municipality official documents - copy



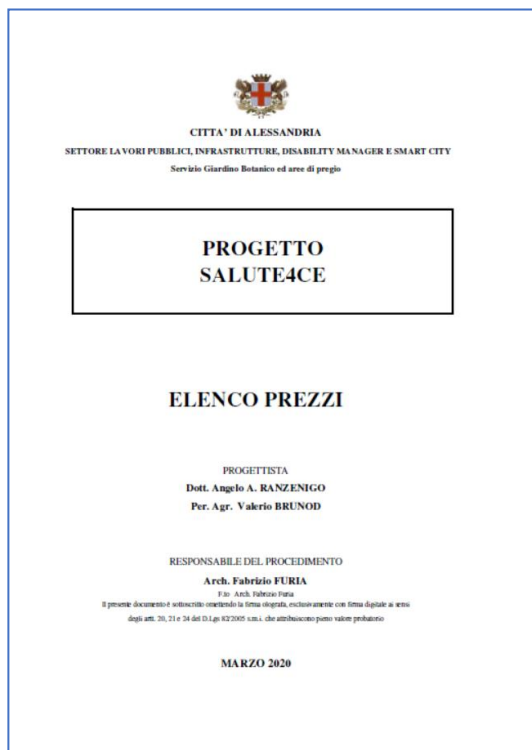
Special tender dossier



Estimate of quantities
and price analysis



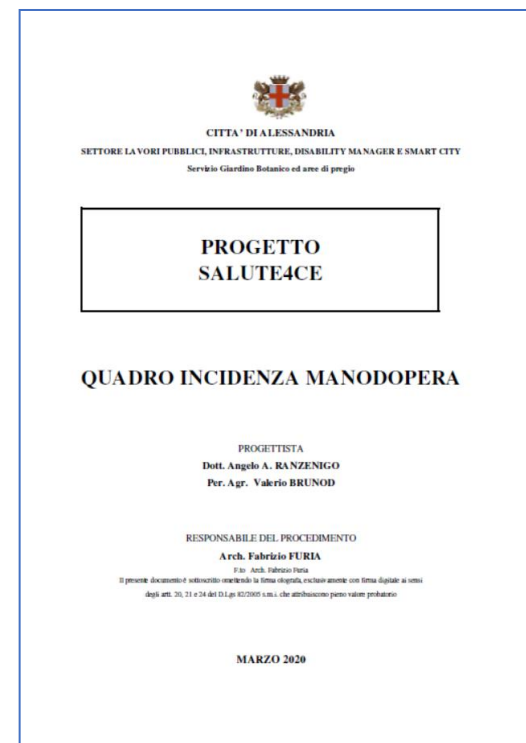
Work schedule



Price list



Budget




Labour incidence



Specialistic technical
environmental report



Technical report



CITTA' DI ALESSANDRIA
SETTORE LAVORI PUBBLICI, INFRASTRUTTURE, DISABILITY MANAGER E SMART CITY
Servizio Giardino Botanico ed aree di pregio


**PROGETTO
SALUTE4CE**

TAVOLE DI PROGETTO
SITE1. IL FRUTTETO URBANO
Via De Gasperi

PROGETTISTA
Dott. Angelo A. RANZENIGO
Per. Agr. Valerio BRUNOD

RESPONSABILE DEL PROCEDIMENTO
Arch. Fabrizio FURIA
F.lli Arch. Fabrizio Furia
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MARZO 2020



CITTA' DI ALESSANDRIA
SETTORE LAVORI PUBBLICI, INFRASTRUTTURE, DISABILITY MANAGER E SMART CITY
Servizio Giardino Botanico ed aree di pregio


**PROGETTO
SALUTE4CE**

TAVOLE DI PROGETTO
SITE2. IL BOSCO RIFUGIO URBANO
Via Benedetto Croce

PROGETTISTA
Dott. Angelo A. RANZENIGO
Per. Agr. Valerio BRUNOD

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**PROGETTO
SALUTE4CE**

TAVOLE DI PROGETTO
SITE3. IL POLMONE VERDE CITTADINO
Via Teresa Michel

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Project tables