

POLITECNICO MILANO 1863

Facolty of Architettura urbanistica ingegneria delle costruzioni Master of Science

SHATILI: MEDIEVAL REVIVAL

Supervisor: Nicolo Riva Students: Maria Pelangia 840631 Anastasiia Khech 834628

2016 / 2017

The main idea of the thesis is to bring back life to almost abandoned medieval village Shatili, which is located in Georgia, a country on the coast of the Black Sea, which geographically, has been variously classified as being entirely part of Europe, or as having territory in both Europe and Asia.

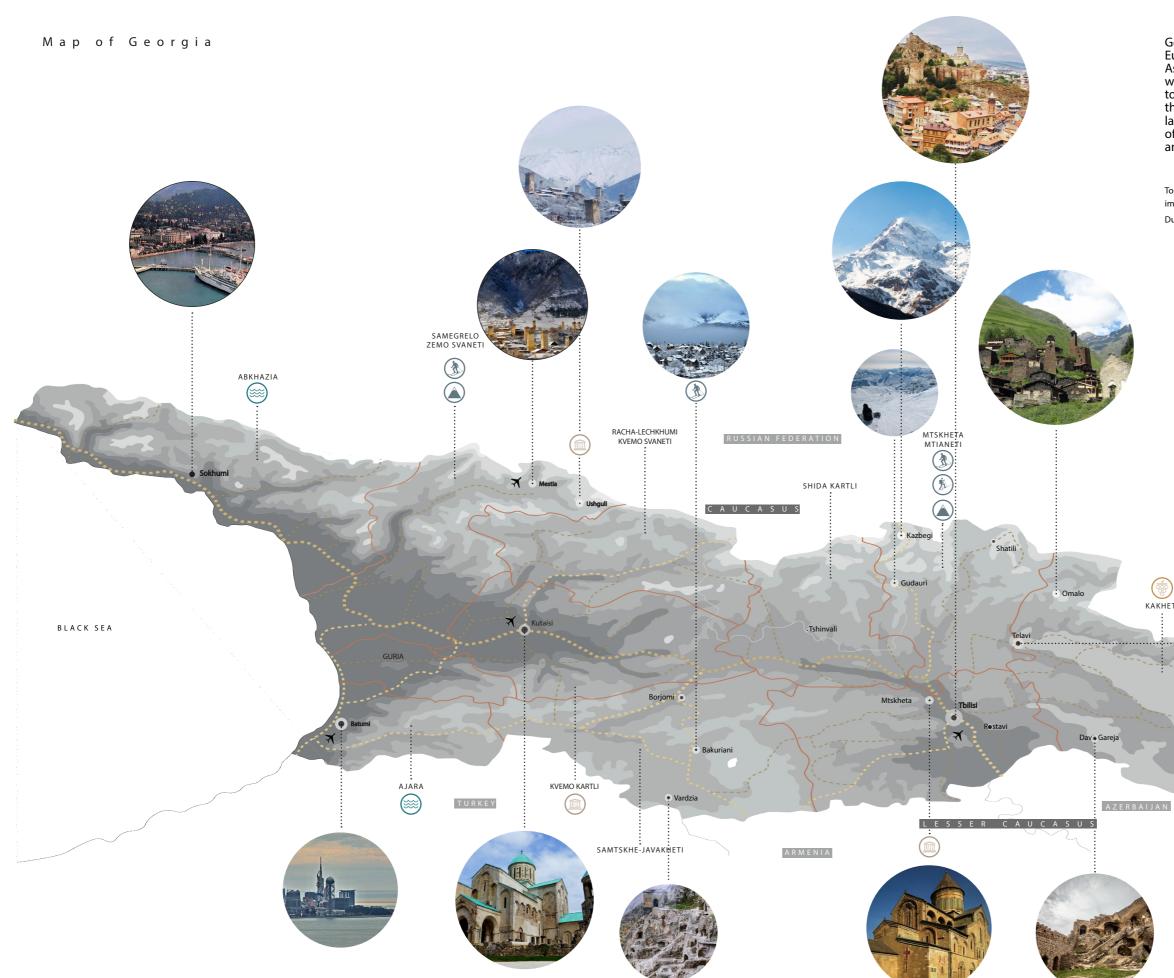
The village is a unique complex of medieval-to-early modern fortresses and fortified dwellings, which functioned both as a residential area and a fortress guarding the northeastern outskirts of the country. The fortress consists of the terraced structures dominated by flat-roofed dwellings and watchtowers, built mainly between the 7th and 13th centuries, which cluster together to create a single chain of fortifications.

In 1950-1960, during industrialization period in the Soviet Union, the inhabitants of the mountain regions were forcibly resettled by the government to the cities. After this action, Khevsureti region became empty and lifeless. Some of them later returned to their homeland, but many villages then were deserted forever and above all, village was no longer self-sufficient.

In 1980, an innovative approach "bring back mountains to mountain people" was established. 11 new houses were built, approximately 15 families dwell in Sahtili during the summer, some of the houses function as guest houses as it is an important destination for tourists and mountain trekkers, but still, people cannot inhabit the village permanently because of cruel winter and lack of vital facilities.

The project represents the connection of old Shatili complex with all new interventions. It consists of medieval architecture regeneration, inserting of new self-sufficient houses, vital functions, traditional handcraft manufacturing, attractions for tourists, farming and agriculture. The intent is to make the village work by natural resources as water, sun and biomass.

According to the project, all the chain of elements will create a sustainable self-sufficient village, it will bring back local resettled inhabitants, will attract more visitors, so the village will be lived during the hole year life cycle.



Georgia is a country in the Caucasus region of Eurasia. Located at the crossroads of Western Asia and Eastern Europe, it is bounded to the west by the Black Sea, to the north by Russia, to the south by Turkey and Armenia, and to the southeast by Azerbaijan. The capital and largest city is Tbilisi. Georgia covers a territory of 69,700 square kilometres (26,911 sq mi), and its 2016 population is about 3.72 million.

Tourism in Georgia is growing constantly, each year 10% approximately.

During 2016 the growth number reached 16,7%.





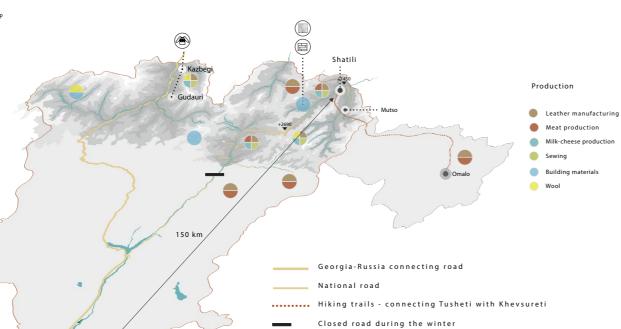
•	Cities
	International road
	Georgia-Russia connecting road
	National road
	Region border



# MTSKHETA-MTIANETI REGION MAP

Mtskheta-Mtianeti (Georgian: is a region (Mkhare) in eastern Georgia comprising the town of Mtskheta, which serves as a region-al capital, together with its district and the adjoining mountainous areas.The western part is controlled by the breakaway Repub-lic of South Ossetia since 1992 and the inde-pendence of Georgia.

Shatili is a historic highland village in Geor-gia. The distance from the capital Tbilisi is 150 km. It is located on the northern slope of the Greater Caucasus mountains, in the historical Georgian province of Upper Khev-sureti at about 1400 meters.

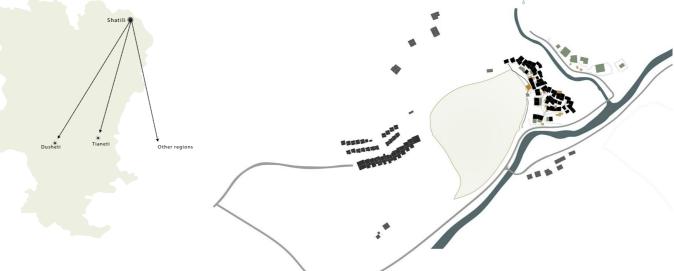






• Tbilisi





## Shatili in VII-XIII Century



Shatili was built in different periods, mainly from VII to XIII century. From the beginning it was a is a unique complex of medie-val-to-early modern fortified fortresses complex. In that period the village was composed only by dwelling, which had different functions. They had common use spaces, saint zone, places for the cuttle, defensive buildings.



IN this period the main change in the masterplan was the church building. it was a priod when big interventions have been made for the chrictianity of Shatilians.

#### Shatili in 1940-1950



Industrialisation Industrialisation: During this period inhabi-tants of Shatili were forced to move from the mountains to the towns, becase the government could not control the dwellers of the mountains and cheap workers were needed. Shatili in 1970-1980



Give back the mountain to the mountain dwellers: This was new direction of the country. It was decid-ed to restore and maintain the Cultural Heritage and build some houses for Shatilians that are willing to return and live in Shatili. During this period some of the structures were built by the dwellers themselves.







"Akldama" - is a vault, which served as a structure for isolation during the illness. Mainly, in the Late feudal era (XVI-XVII), during the The Black Death, which was one of the most devastating pandemics in human history, in highland regions the population had authentic tradition. When someone had an incurable disease he was going to "Akldama", in case of recovery he was leaving "Akldama" in other case the person had to stay there. Thanks to this tradition in mountains there was no massive mortality.



CLOTHING FOR BATTLES

Khevsurians were gaining iron and gold in small quantities. The iron was commonly used in agricultural fields, for weapon production and battle clothing.



PICTOGRAM

Pictooroms are found on the walls of Old Shatili houses. The exact period is unknown, they could be of XII-XVI centuries, or even earlier. They describe different periods, because they have different images as: hunting scene, Mythical animals, Christian elements as Bolnisi cross.



SHEEPS

Because of horsh climate, the sheep was the most optimal finding. Shatilians were taking sheep to pasture in early spring and they had to overcome difficult paths and weather to reach summer pastures Sheep was producing: Meat products dairy products, wool, leather.



### BARLEY

Because of the complex landscape Shatilians had agricultural plots of small sizes. These plots were located away from houses, for having them protected during the battles in order not to lose the annual harvest. The main and common herbaceous plant was barley. Shatilians used to make bread and beer from barley. This tradition is still alive, and the inhabitants are producing beer during the religious holidays.



HORSES During the sheep migration, was very difficult for people to walk around without a hourse, This is the reason why did horses become so important for Khevsurians. Because of sharp landscape,

during the years Khevsurian horse has been established as endemic specie. It is small,

flexible and adapted for narrow trails and

snowy terrains.

homoeopathy. Khevsuretian's traditions.





#### TRADITIONAL CLOTHING

Khevsurians, as all of mountain inhabitants, stood out with their knowledge in

The plants where used for production of well-known Khevsurian clothes and for medical purposes as well. Even after many years, Cloth of Khevsureti did not lose its color palette and shining, because t is manufactured by natural colors. Also North Caucasus and Eastern countries tradition of carpet weaving was established quickly among



#### LAW COURT

Khevsureti is considered as the birtholace of Georgian democracy. During the serfdom in feudalism era, Khevsurians had a communal system. They had established law court system in which the Convicted had the defense representative. This tradition underlines that democracy in Khevsureti was established earlier than in other regions of the country. For the court process, they had a place called "Sapekhyno", which was composed mainly of stone chairs.





# ANIMAL FARMING

other side of the river Shatilian oitants used to keep animals, as sheeps, horses, cows and The buildings remained empty e resettlement and the project ees the requalification of the ruins to the former functionality

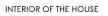
# HOTEL / ENTERTAIMEN

The multifunctional complex inserted partially in the mountains combines in itself several function - resort hatel - conderence room - cinema room - library - sond activities

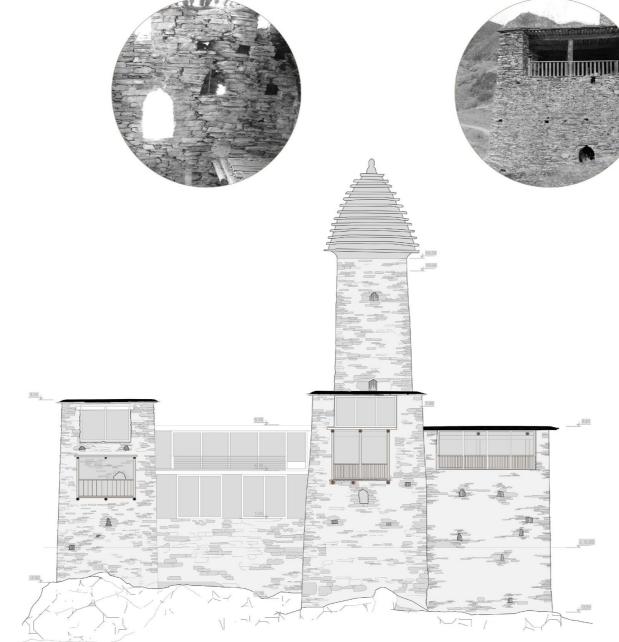
> Students: Khech Anastasiia Pelangia Maria Supervisor: Niccolo' Riva











Shatili complex











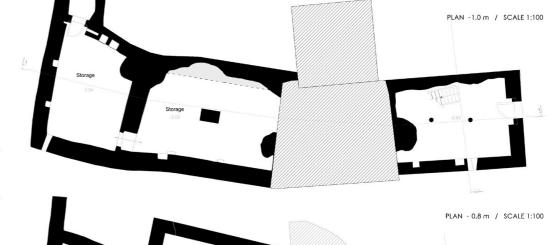


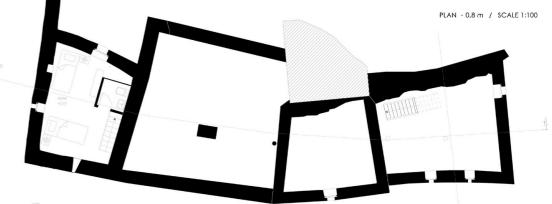






Section 2-2

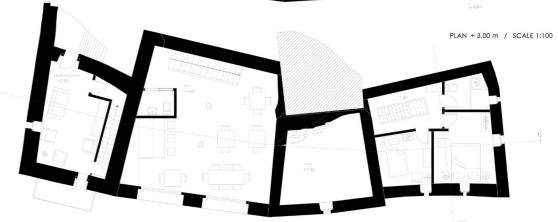


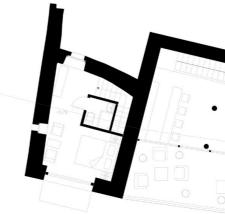




THE VIEW ON THE RESTORED HOUSE





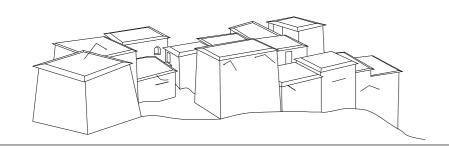




PLAN + 5,00 m / SCALE 1:100 Students: Khech Anastasiia Pelangia Maria Supervisor: Nicco alo' Piv

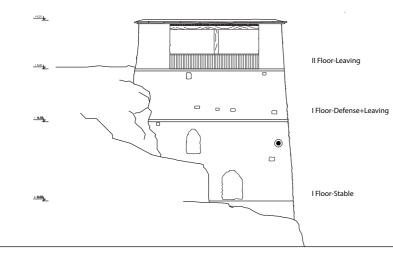


House's connection



Flat roof SMALL DOORS SMALL WIN avoid assault by fery arrows giving respect to thehouse owner defending from the enemy connection betw

# House Functional scheme before intervention



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