

DEYLIGHTING RIVERS

Istituto Comprensivo “F.Sacchetti” San Miniato (Pi)
Classi IIA, IIB

STUDENT DESIGN PROJECT



Our road map shows several streets with names that mention or originate from toponyms related to water and sources. our research began here, we identified the sources that give the name to the following streets in the area of the historic centre and surrounding it? VIA DI FONTEVIVO, PIAZZA FONTI ALLE FATE, VIA FONTI, SAN PIETRO ALLE FONTI. We have therefore placed them on the map, together with other points of historical interest in the area, collection points and water distribution.



In addition to the sources of FONTI ALLE FATE, FONTEVIVO, PANCOLE, SAN PIETRO ALLE FONTI, AND THE SOURCES OF SAN CARLO, we have identified well visible fountains or wells in the city of San Miniato, which aroused our curiosity. The places that interested us are the following: an ancient well near the church of the Nunziatina, the Lion fountain in Piazza del Seminario, a well in the Cathedral square

and a fountain in San Martino and a well portrayed in a famous painting by E. SARRI of the mid-19th century now no longer existing in Bonaparte Square.

2) We realized that the points we identified were not as accessible and the water was no longer usable by everyone, as it was in the past. We wondered why these sources were no longer accessible, and we also went to visit them. Accompanied by our teachers, experts and citizens who knew the history of these environments well, we realized that the roads to go there were covered with vegetation, or were private roads, making places dear to the collective memory no longer accessible. Some of the fountains identified didn't deliver water anymore. The experts who accompanied us told us that these places were alive and were used by the population. Some even had historical interest. The places were therefore abandoned with the introduction of the municipal aqueduct and for loss of interest from both citizens and institutions. We therefore thought that, given that San Miniato is a tourist town, and it is located on the Via Francigena, it might be interesting to create a path to revive the ancient sources, in order to clean up the access roads, to make them known and revisited by who, for many years, couldn't access it, also providing the place with explanatory panels. We also discovered, from some lessons that local experts gave us in the classroom, that these sources already existed since 1830, and some maps are able to prove it.





When we went to Fonte alle Fate we also took a sample of water with a bucket and the students of the third year analyzed the chemical composition of the water, helped by the Istituto Superiore Cattaneo in San Miniato, which has beautiful laboratories. The hardness of the water was calculated with the volumetric method of EDTA, with EDTA titration 0.01 M, operating at pH 10 in the presence of NET (BLACK HEMOCHROME T) as an indicator. The pH of the water was determined with pH measuring instruments.



Acqua FONTE ALLE FATE San Miniato									
Gruppo	pH	Indicator e universal e	Conducibilità	Residuo fisso 180 °C mg/L	Durezza totale mg/L	Durezza permanente mg/L	Durezza Temporanea mg/L	Ca 2+ mg/L	Mg 2+ mg/L
1		verde	1009 uS/cm	925	56.5	42.6	13.9	29. 4	27. 1
2	7.31	verde	1009 uS/cm	925	56.5	47.4	9.1	29. 4	27. 1
3		verde	1009 uS/cm	925	56.5	42.5	14	29. 4	27. 1
4		verde	1009 uS/cm	925	56.5	46.3	10.2	29. 4	27. 1
5		verde	1009 uS/cm	925	56.5	46	10.5	29. 4	27. 1
					56.5	44.96	11.54		

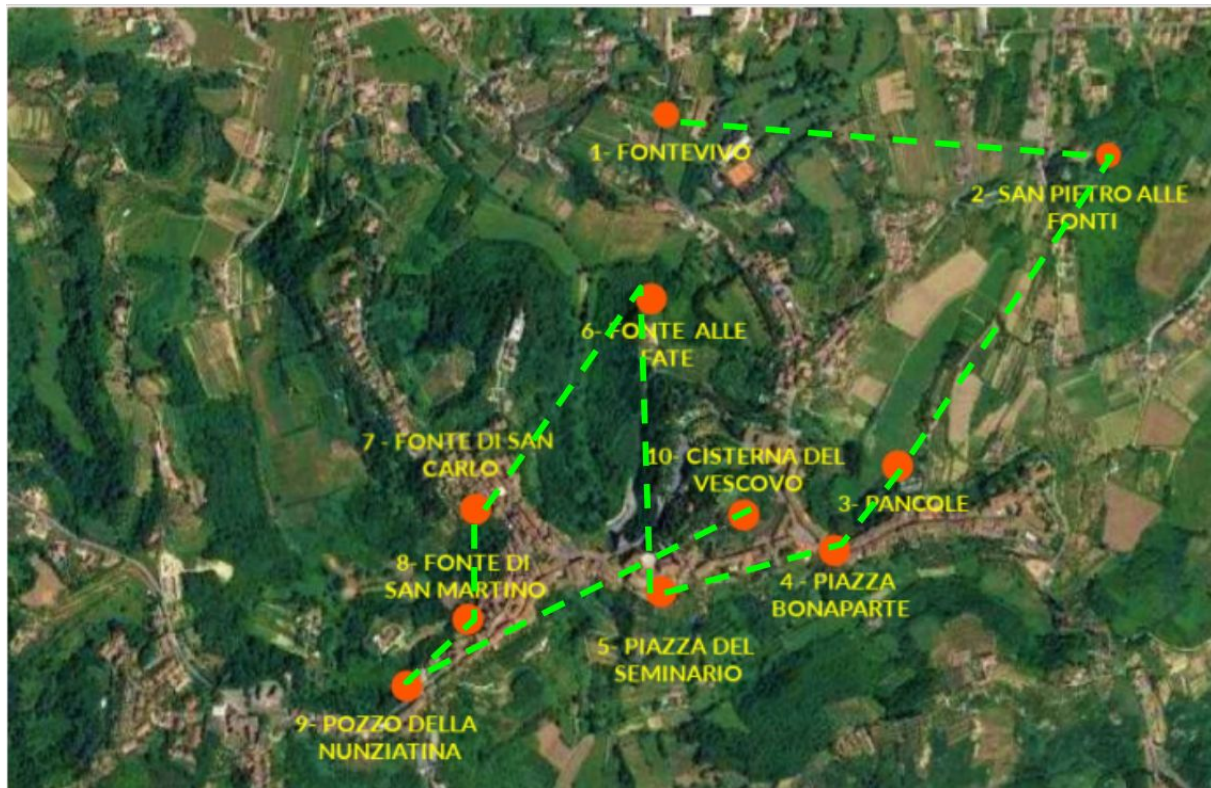


3) We have reflected on the positive and negative consequences on the eventual creation of the path.

Positive consequences: rediscovery of abandoned historical places and sources; it would bring jobs and increase the tourism economy in San Miniato; it would attract cycling tourism which is growing.

Negative consequences: high costs for creating and maintaining routes; people could ruin historical artifacts.

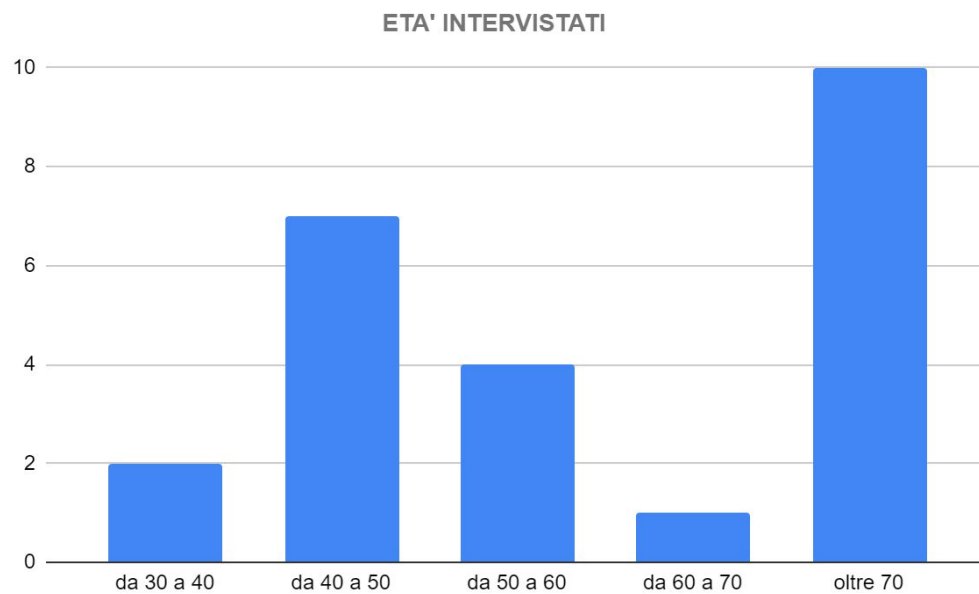
4)) PROPOSAL TO CREATE A ROUTE In order to make these very interesting places accessible and open to visitors, we propose to create a path that winds through the main sources, also ideally following the consequentiality presented in the game. The 10 points of interest that the player explore, could represent a set of stops for a tour (by foot or by bicycle) that starts near the railway station (Fontevivo), therefore, easily reachable also by public transport, and ends in the beautiful Piazza Del Duomo, in a way to visit the most evocative places of our city.



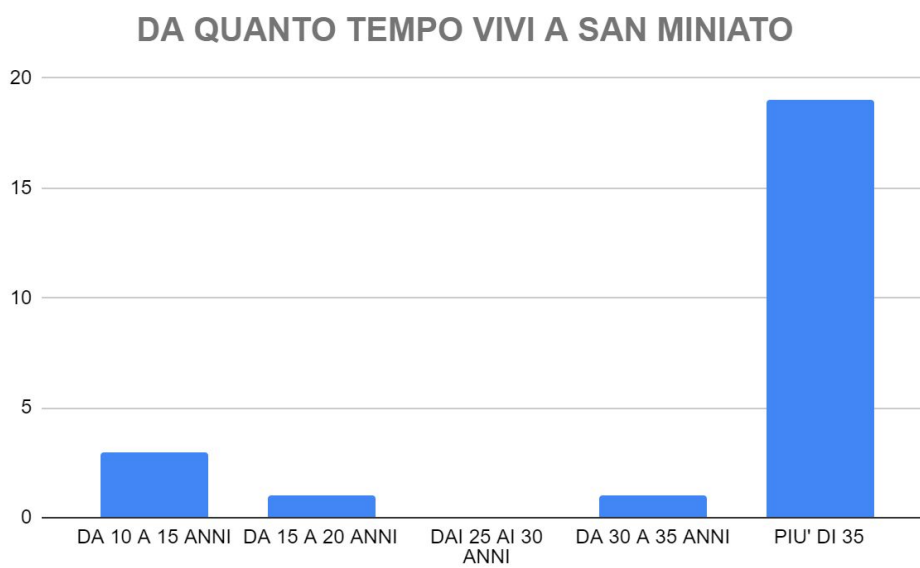
5) HOW OUR CITY WILL HELP? The city of San Miniato, already a destination for tourists who pass through it with the Via Francigena, could enrich its offer of places of pilgrimage, of walking routes and thus they would relive places that are rich in history, art and life lived.

6) Driven by curiosity we also asked our older relatives if they knew these places, and we did a small questionnaire. Below we report the answers we have put in the graphs.

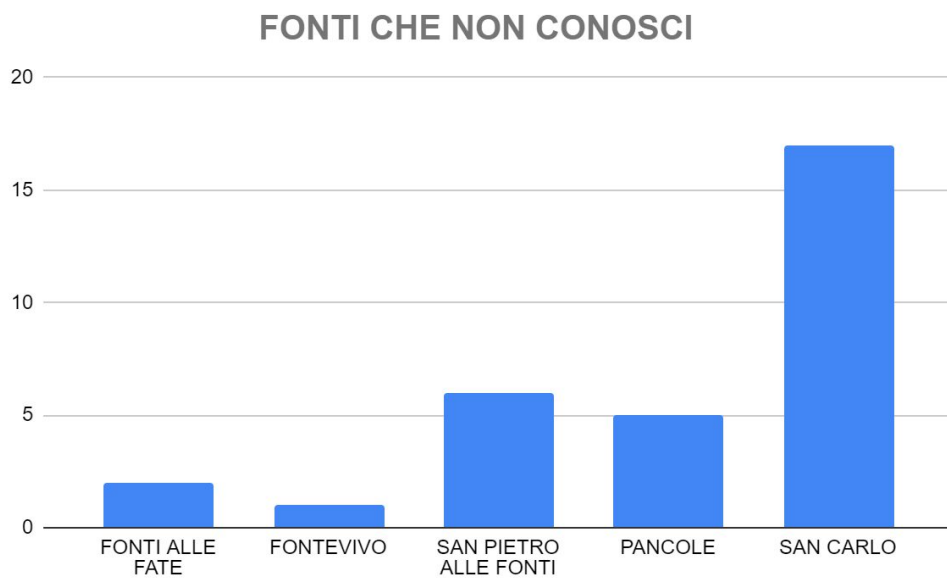
RESULTS OF THE QUESTIONNAIRE:



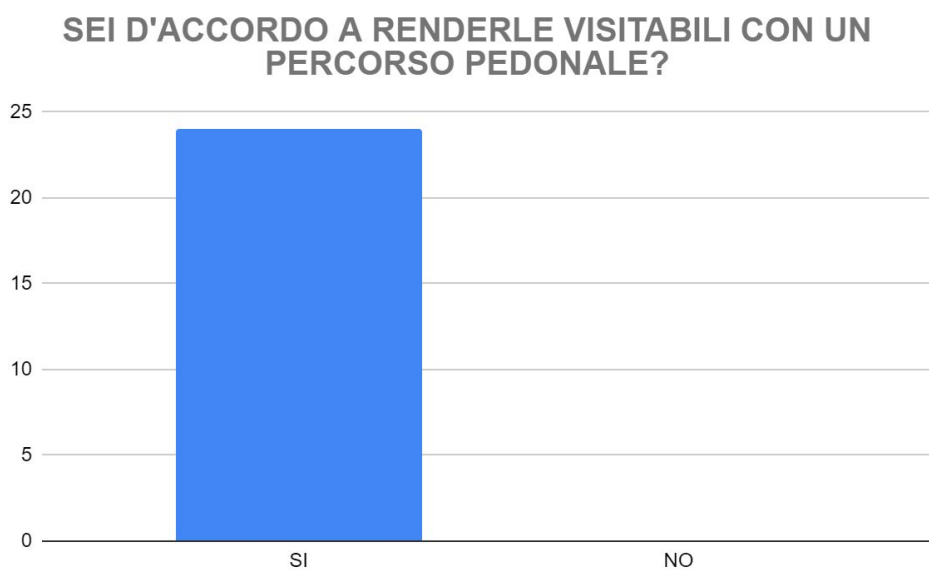
GRAPH 1: age of the interviewees



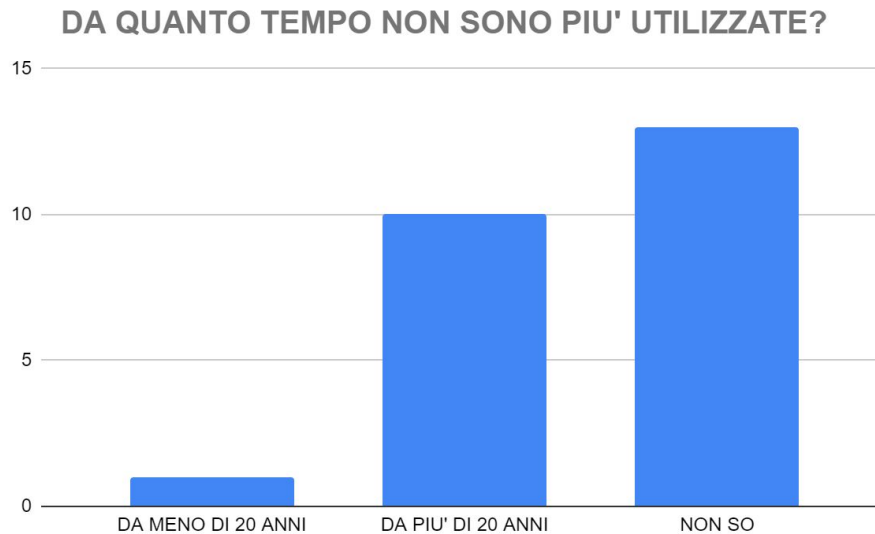
GRAPH 2: sources you know



GRAPH 3: sources you can reach with precision



GRAPH 4: do you agree to make the sources visitable with a pedestrian path?



GRAPH 5: do you know other sources in the area?

The average age of the interviewees is high (over 70 years) so that we were able to make them relive the memories of the Sources. They were also able to give us valuable information on the routes to reach the Sources, on their use and on the interest in restoring the access roads to these historic places.

In conclusion, the citizens like the project, now we have to present it to our Mayor. We hope that it will be accepted so we will feel an active part in the improvement of our city, bringing to light the history and importance of the Sources and water for our city.