Kopaszi Dam Project BME | AUTUMN SEMESTER | 2018.19

Livia Di Curzio | R367RK Romane Gérodolle | Q79g91 Tiago Santos | LDH41Q





HISTORY WATER URBAN FACTORY

18th CENTURY

- Famous garden thanks to its entertainments
- The idea of the university botanical garden



20th CENTURY



TODAY











Budapest







Johann Hürlimann . Árvíz a pesti Színház-téren . 1838

 (Γ)



Johann Hürlimann . Árvíz a pesti Színház-téren . 1838



1866



RECONSTRUCTION



RECONSTRUCTION





DANGERS - EARTHQUAKE



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A : Triassic, Eocene, Miocene, limestone, Miocene volcanic formations, Pleistocene freshwater, limestone from Pilis and the Buda Mountains are high up parts of the Tétényi Fennsîk and Quarry.

B : Eocene Formations, Buda Marga, Kiscelli Clay, oligocenocyclic sedimentary formations.

C: Budapest is the largest wide areas; the holocene and most of Pleistocene sediments.

D : Very young, muddy, clay sediments, casting sludges, peaty soils in the floodplains, in streams, running, marshland areas.

E : the Buda Hills, Újpest, Kobánya, Pesterzsébet and the Smaller areas of Csepel Island.





D: Very young, muddy, clay sediments, casting sludges, peaty soils in the floodplains, in streams, running, marshland areas.



The place of dug up sand volcano generated during 1911 Kecskemét earthquake (photo from MTA CSFK GGI Archive)



"How vulnerable is Budapest?

Let's look at our wider environment first. Fortunately, we do not live in California or Japan; the Pannon Basin is one of the most endangered areas. It is more threatened than Northern Europe, and much less than the Mediterranean. <u>As I have mentioned, the highest magnitude is</u> <u>6.1-6.3, but the magnitude over magnitudes of magnitude 5 is statistically averaged every</u> <u>fifty years in Hungary.</u> For example, in 1911, he was in Kecskemét at 5.6, in 1925 in Eger at 5, and in 1956 in Dunaharaszti again at 5.6. Since then he was not over 5.

It's been nearly sixty years since ...

It may only be 80 years later, but it may also be tomorrow. And we do not know where it will be in the country. "





Balkányi László / We Love Budapest



- In progress









- public lighting completely replaced
- 18 000 m2 of parking space
- 4700 m 2 and 840 m2 reconditioned
- Improvement of the 600 m2 green area
- 1600 plants collected

THE PAVILLONS





THE BUDAPART PROJECT



THE BUDAPART PROJECT



- combining the rigid urban grid with the irregular historic city
- innovative building solutions maintaining some green areas



