The Rivers of Livadia

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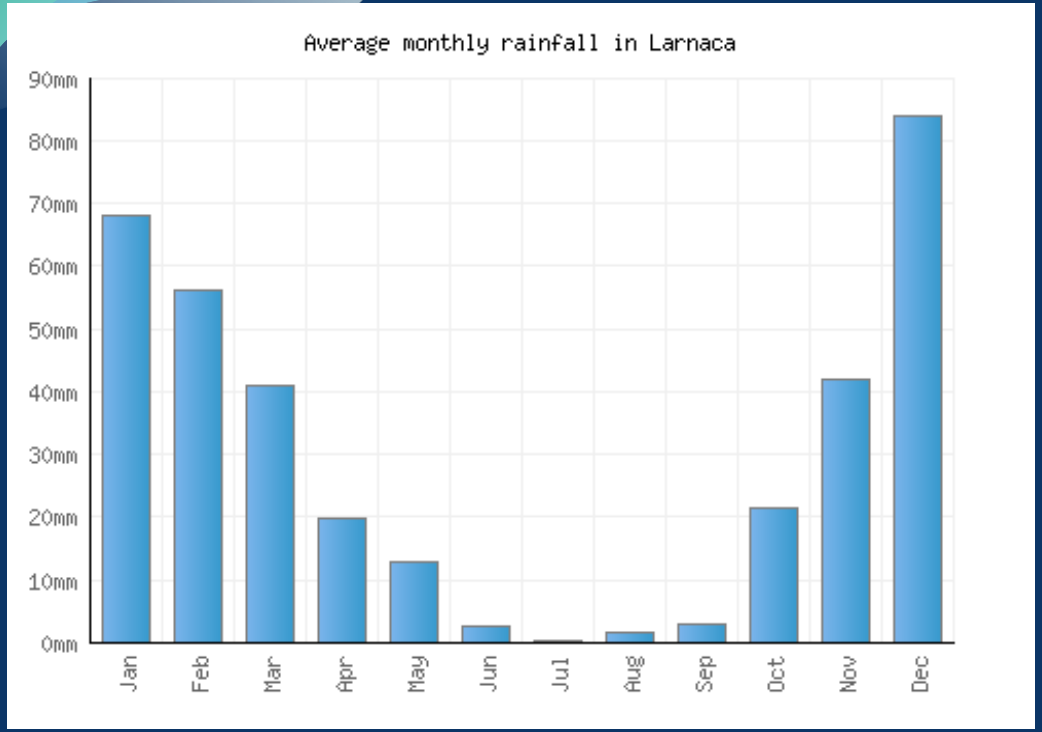
About Livadia

- Livadia is a township in Larnaca, Cyprus. It's inhabited by 7000 people and it is built around 3 rivers.

- Livadia was previously named "Tridata" which means three-rivers.

- Collectively, the length of the river reaches 9.95 kilometers. The rivers are often characterized as streams that fill during a rainy season.



- The rivers evoporated due to very warm temperatures.
- People decided to build houses around it, narrowing the rivers.
- Even though hundreds of houses were built, the evaporation of the rivers has many disadvantages:
  - Nowadays the seasonal rainfalls are higher in the charts, overwhelming the drainage systems.
  - The houses built near the rivers are at risk of flooding

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A Closer look at our school's flood risk

- The upper river named “Archangelos” (=archangel) ıs roughly 120m next to the lyceum.
- The lower one called “Vathis Limnitis” is around 275.5m further.
- Due to the placement of the school, it’s at a high risk of getting flooded.
- This can easily happen for several reasons, the most common being: -Blocked drains

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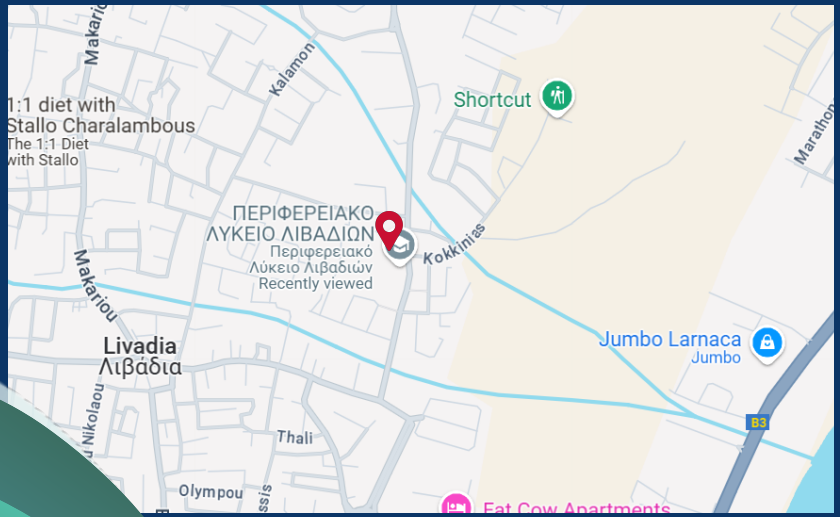
With the help of a drone, we want to show you how close the school is built to the 2 rivers that surround it.



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Interview with Dr. Savvas Antoniou

- So, I understand you have experienced a flood happen before?
- Yes, that's right.
- Can you tell us what exactly happened that day?
- Well, it was a rainy winter for Livadia in 1983. That day especially, it was raining heavily. Me and my siblings woke up and went to school. Not long after the police sent an alert that we had to evacuate, because they were informed the rain wouldn't stop anytime soon and the river would fill and possibly cause a flood. At the time, they were working on making the river deeper, but the work remained unfinished, eventually causing the river to overflow.
- Were the cars able to drive and transfer you to a safe location?
- The water level was too high for any car to drive. We had to ride in a tractor.
- Where did you go until it was safe to go to your home again?
- The flood was only caused downtown, so we went uptown, since it was built on a higher level.
- How did things escalate?
- Firstly, the water started covering the roads and its level was rapidly rising. The houses near the roads started filling with water first and soon the whole area was covered in mud and water.
- Was there a lot of damage made?
- Oh, for sure. The town filled with snakes, brought by the water. Aside from that, the flood caused injuries, the death of a lot of sheep and destroyed houses.
- Sounds awful… How long did the tragedy last?
- The water level started to drop hours later. After that the people returned to their homes trying to clean everything from the mud that remained.
- Well, thank you very much for your time, sir.

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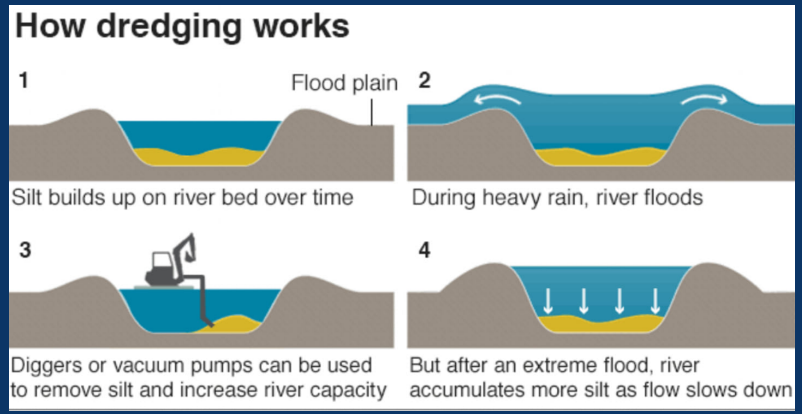
Main adaptation plan idea

- Our adaptation plan idea: **Deepening the riverbeds that remain**.
- The levels of flood risk for the school can be decreased by a huge amount.
- That way our school, being nearby, and the students will be safer from any flood risk.



Thank you for your attention