

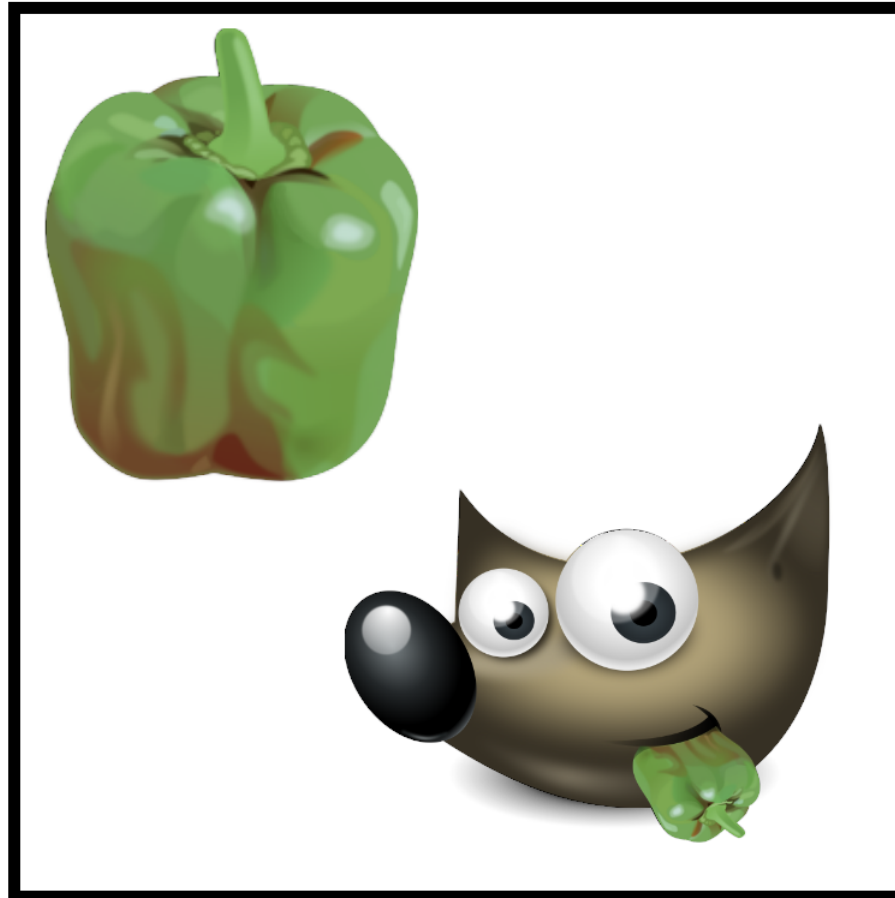
Open Source Isopods

boreq
2 Feb 2025

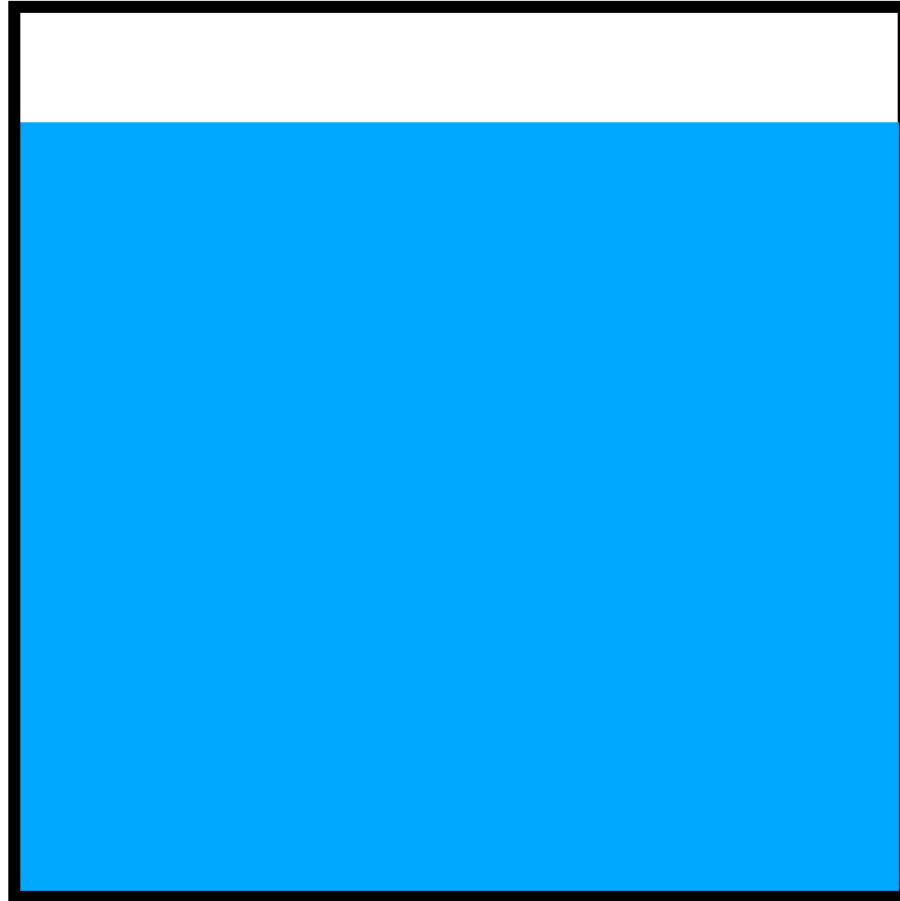
What is an isopod?



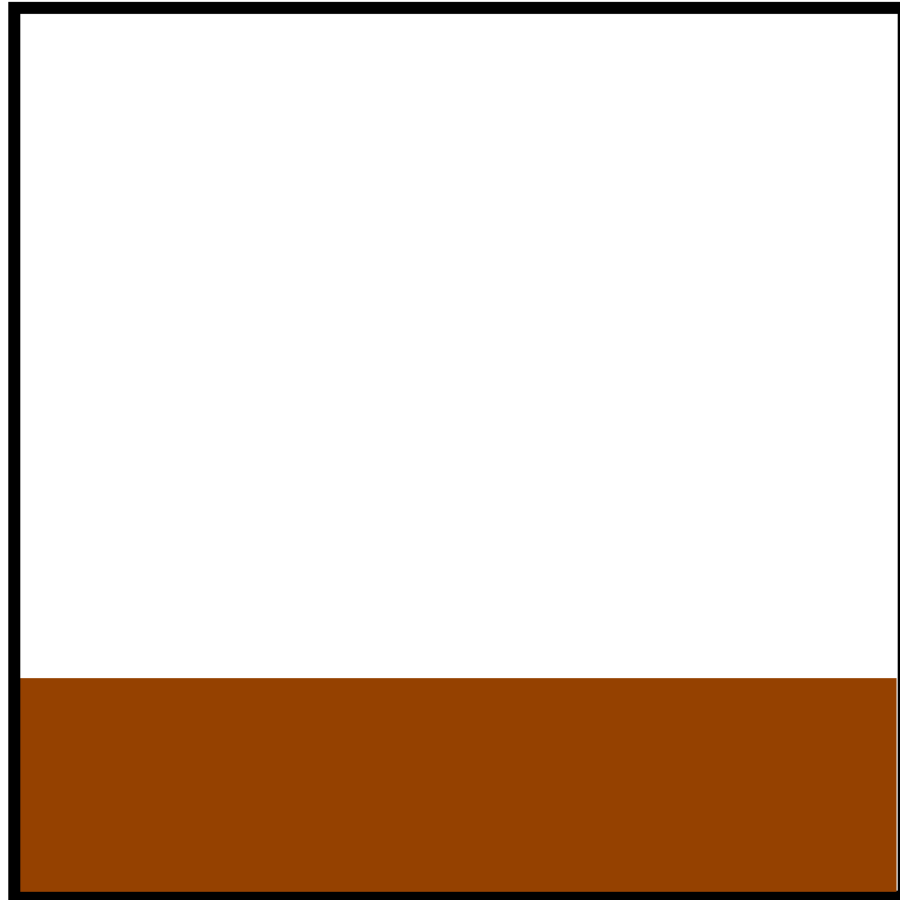
What is a vivarium?



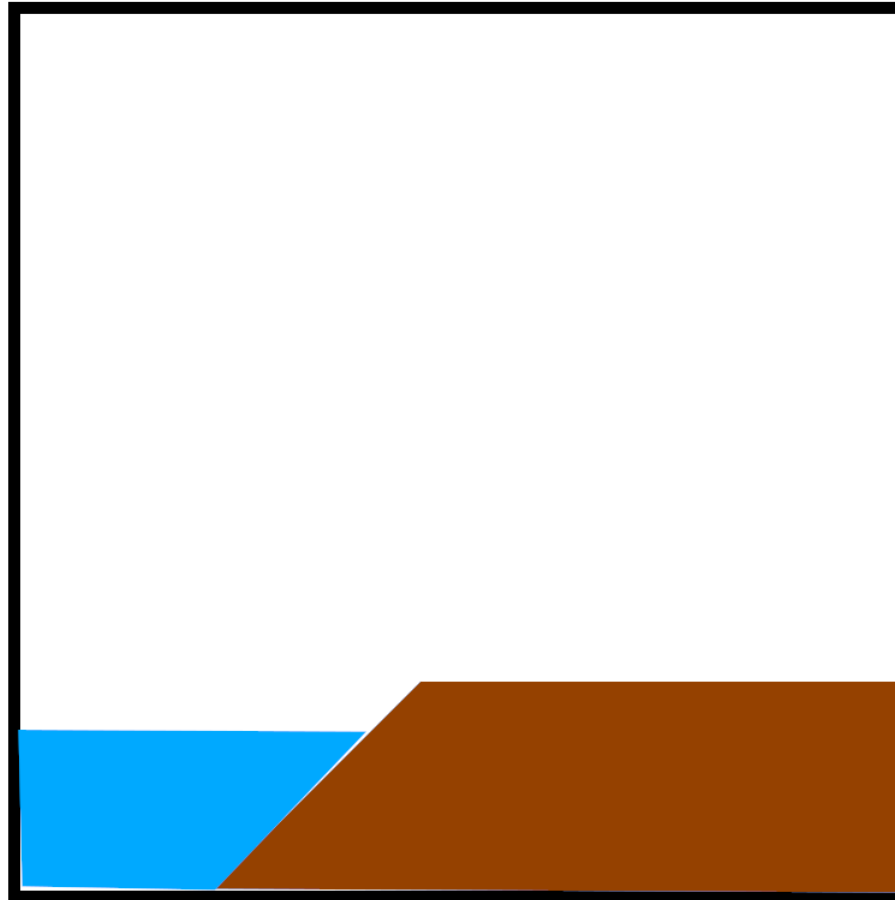
What is an aquarium?



What is a terrarium?



What is a paludarium?



My paludarium



"Hey, I want a glass box filled with plants and animals as well"

1. Catch yourself some geckos



2. Catch yourself some shrimp



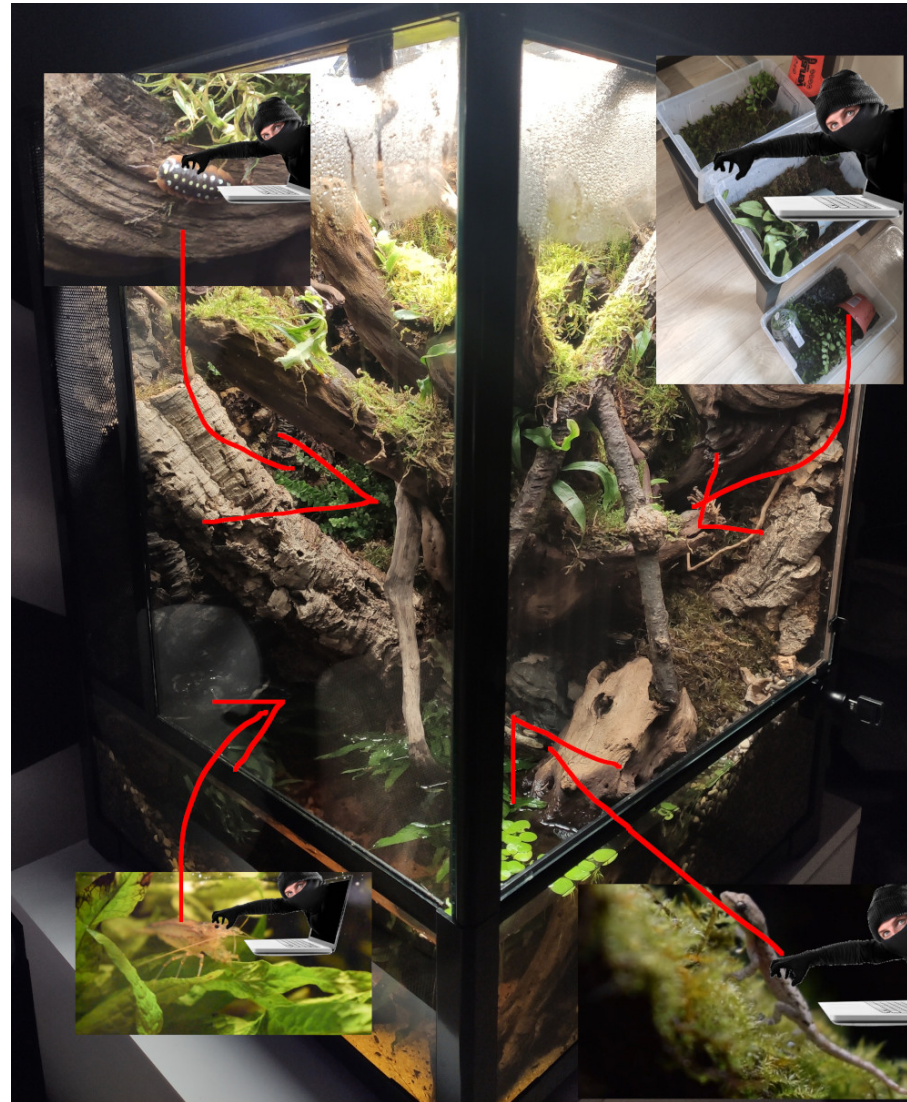
3. Catch yourself some isopods



4. Catch yourself some plants



5. Put them in a box



What do you need?

Lights

A pair of aquarium lights on the cheaper side: ~120€.

Misting system

Anywhere from 100€ to 400€.

If you go for the cheap stuff that can be annoying in the future e.g. a small water tank for the misting system, if something breaks you are out of luck.



Make a ~~worse~~ better version yourself

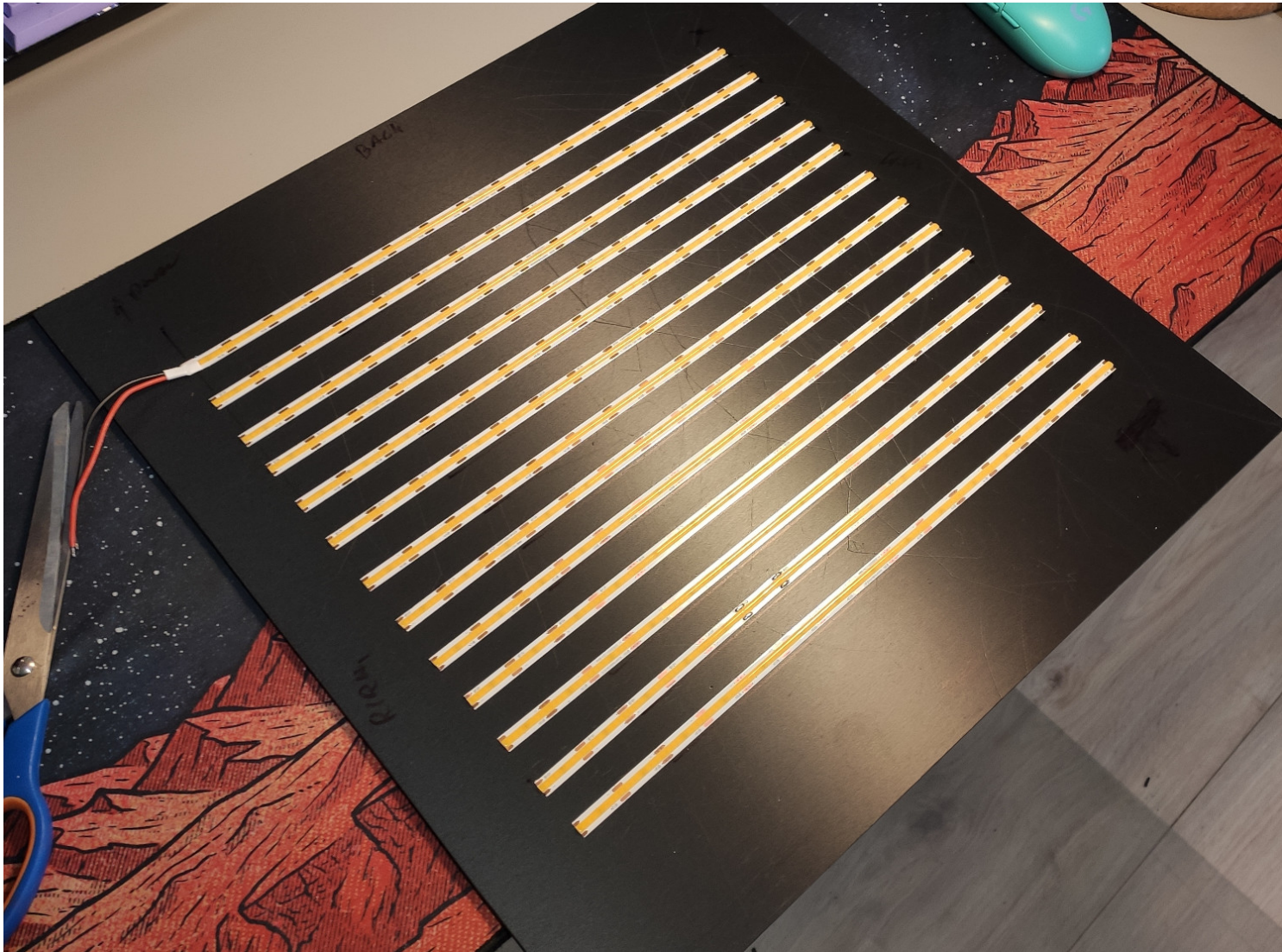
Catch yourself some components

- LED strips - 20€?
- any microcontroller or even a Raspberry Pi - 5 to 50€
- a relay module - almost nothing
- humidity/temperature sensors - almost nothing
- ultrasonic distance sensors - almost nothing
- an aliexpress misting system - 40€?

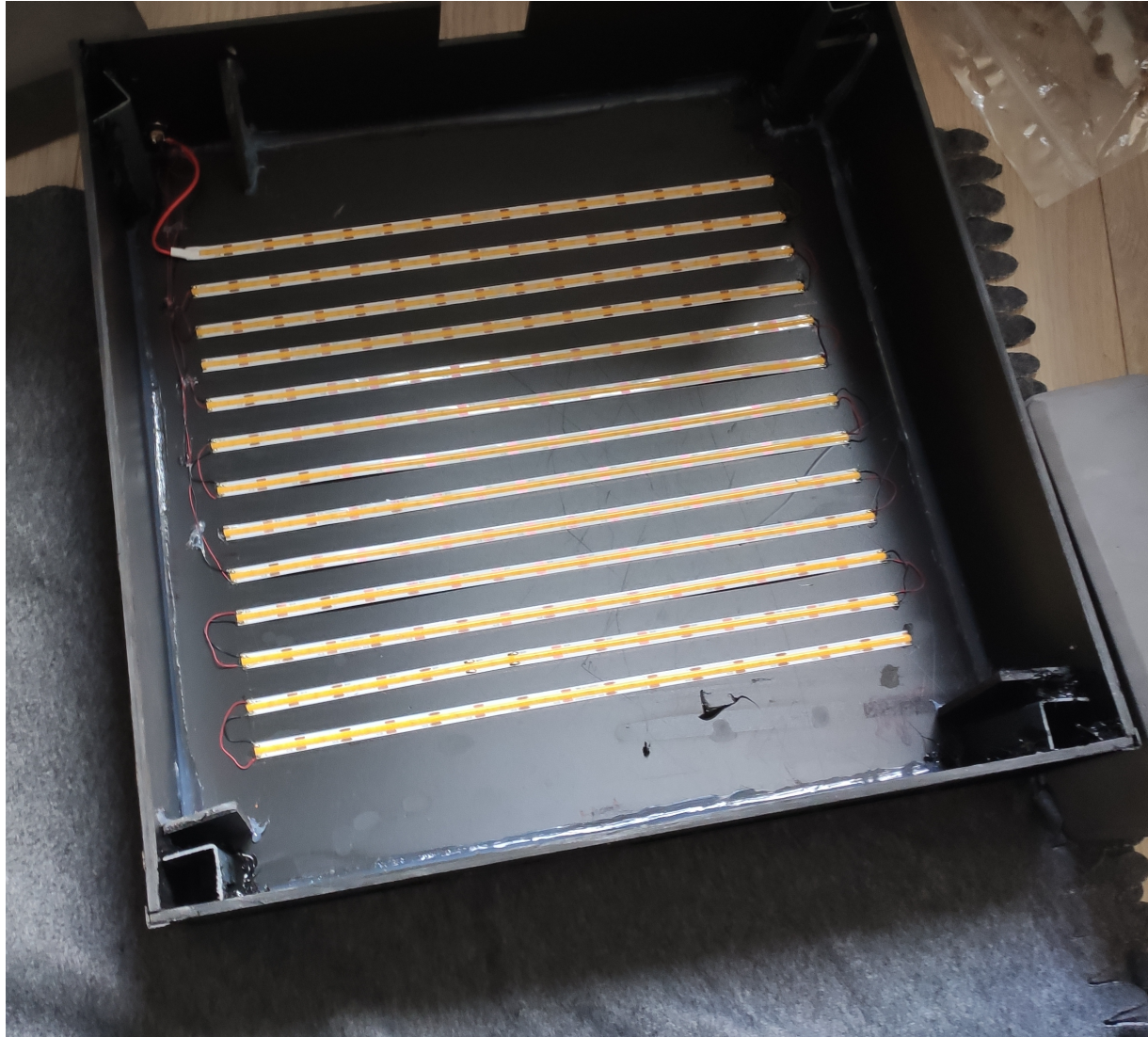
Lights



Lights



Lights



Water tank / water level sensor / water pump



Nozzles



Temperature / humidity sensor



Connect it together



Make Grafana show some numbers



Does it work or is it a massive bodge?



Mushroom



Mastodon with a link to the repo / some pics



<https://chaos.social/@whatareyoudoinginmyswamp> (<https://chaos.social/@whatareyoudoinginmyswamp>)

Thank you

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