

# Open Source Isopods

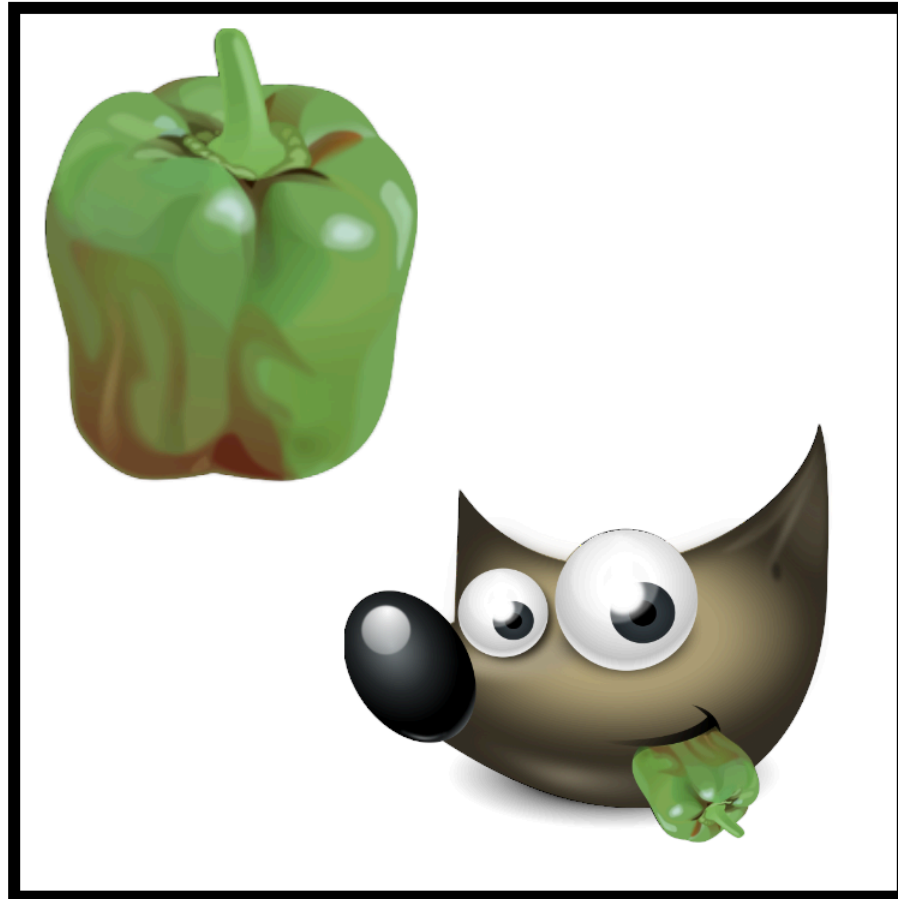
boreq

2 Feb 2025

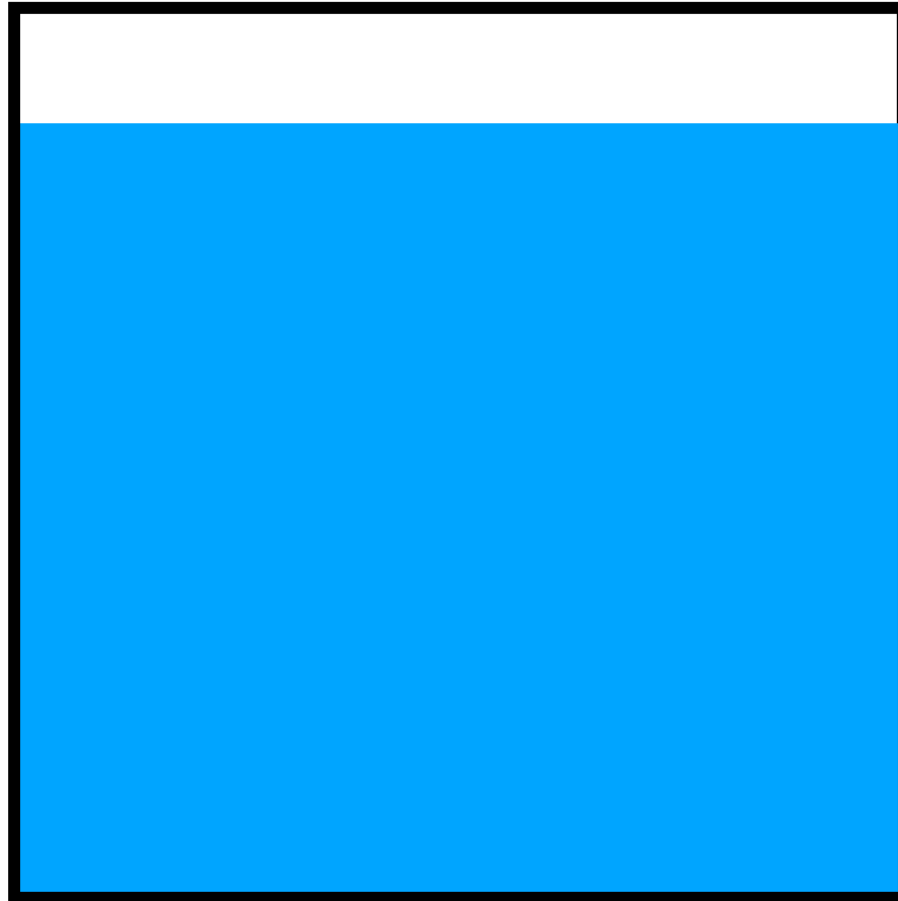
What is an isopod?



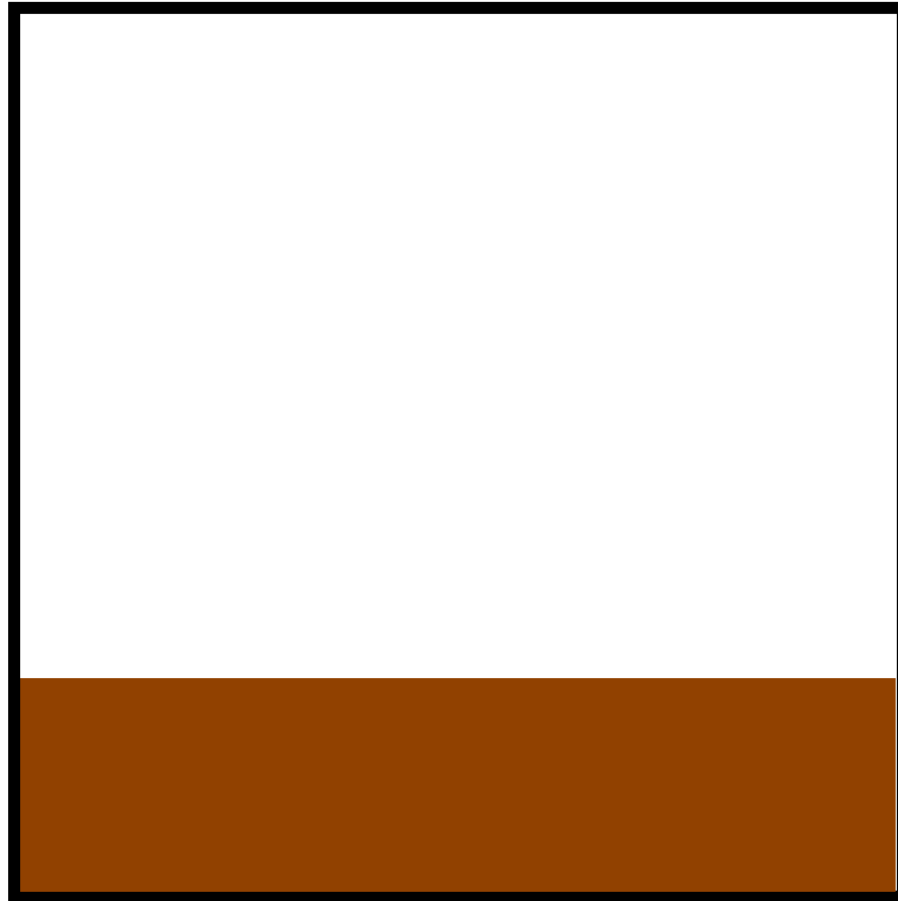
What is a vivarium?



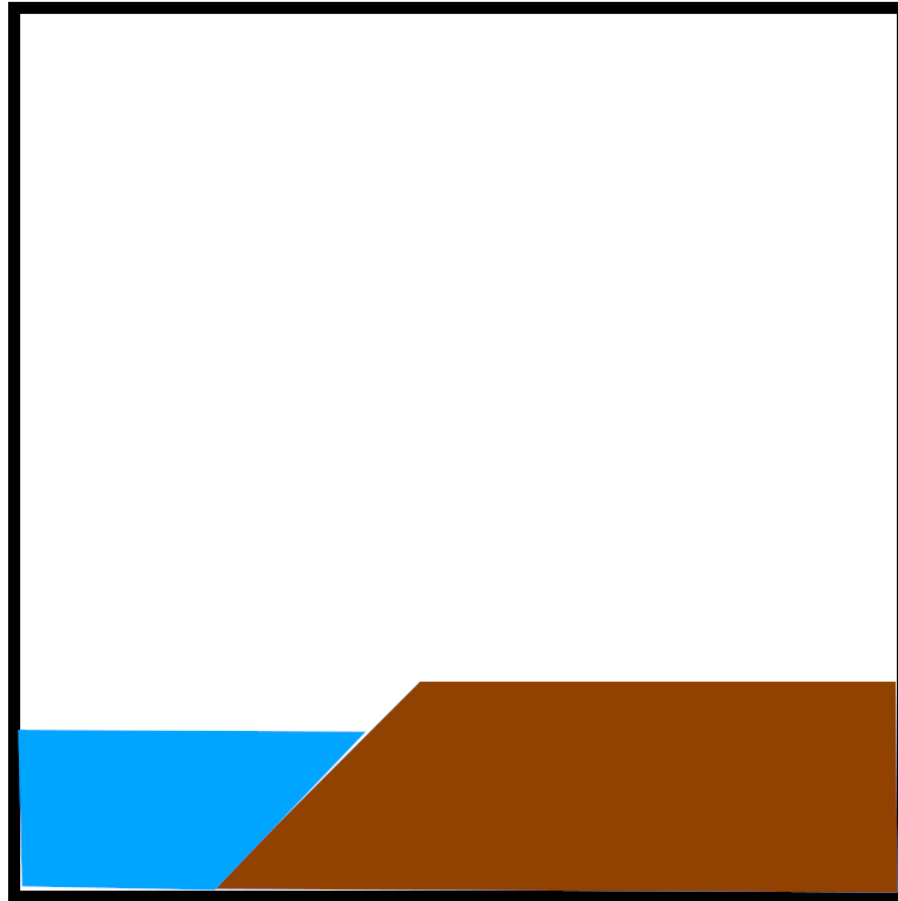
What is an aquarium?



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

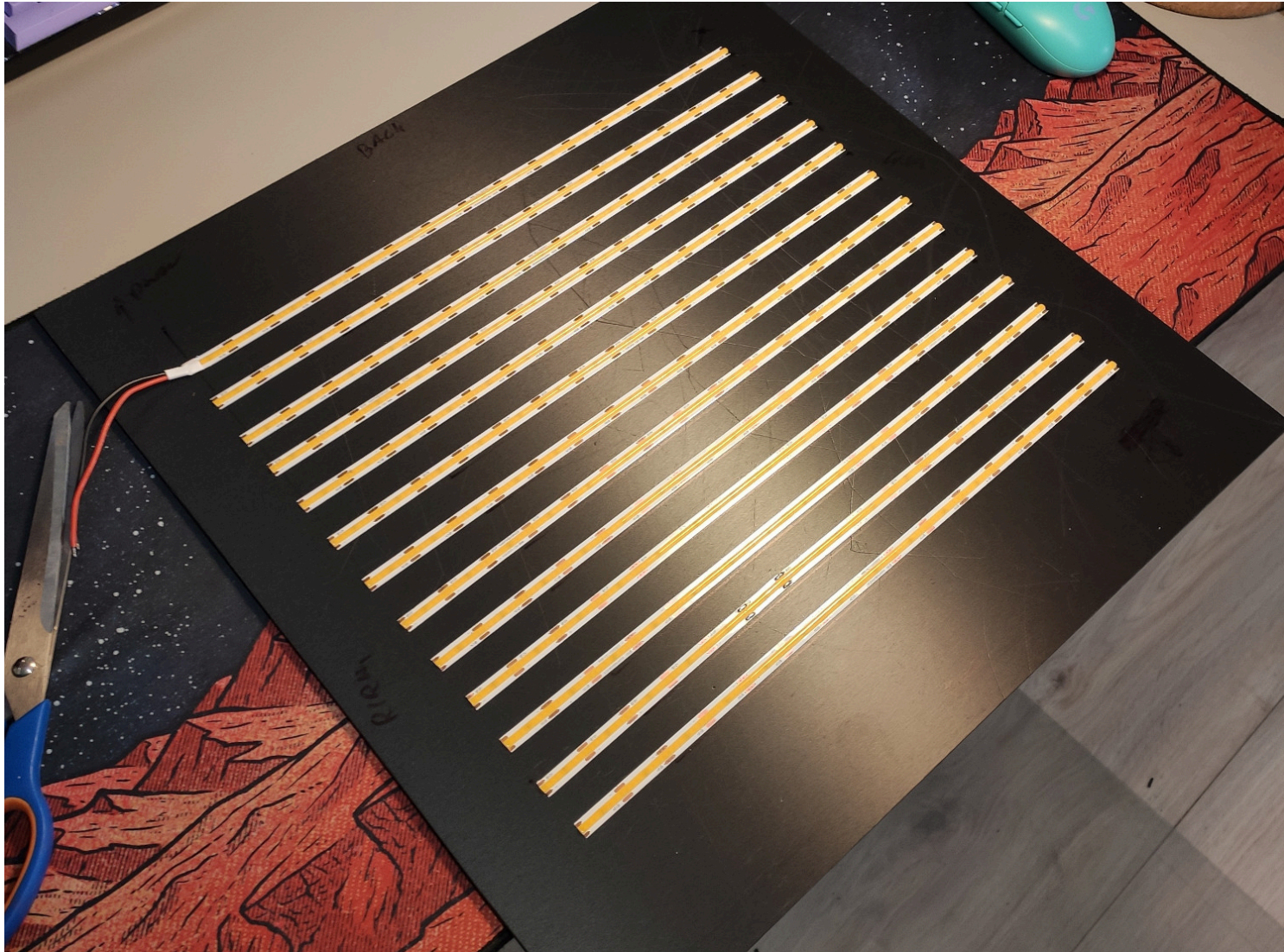
- LED strips - 20€?
- any microcontroller or even a Raspberry Pi - 5 to 50€
- a relay module - almost nothing
- humidity/temperature sensors - almost nothing
- ultrasonic distance sensors - almost nothing
- an aliexpress misting system - 40€?



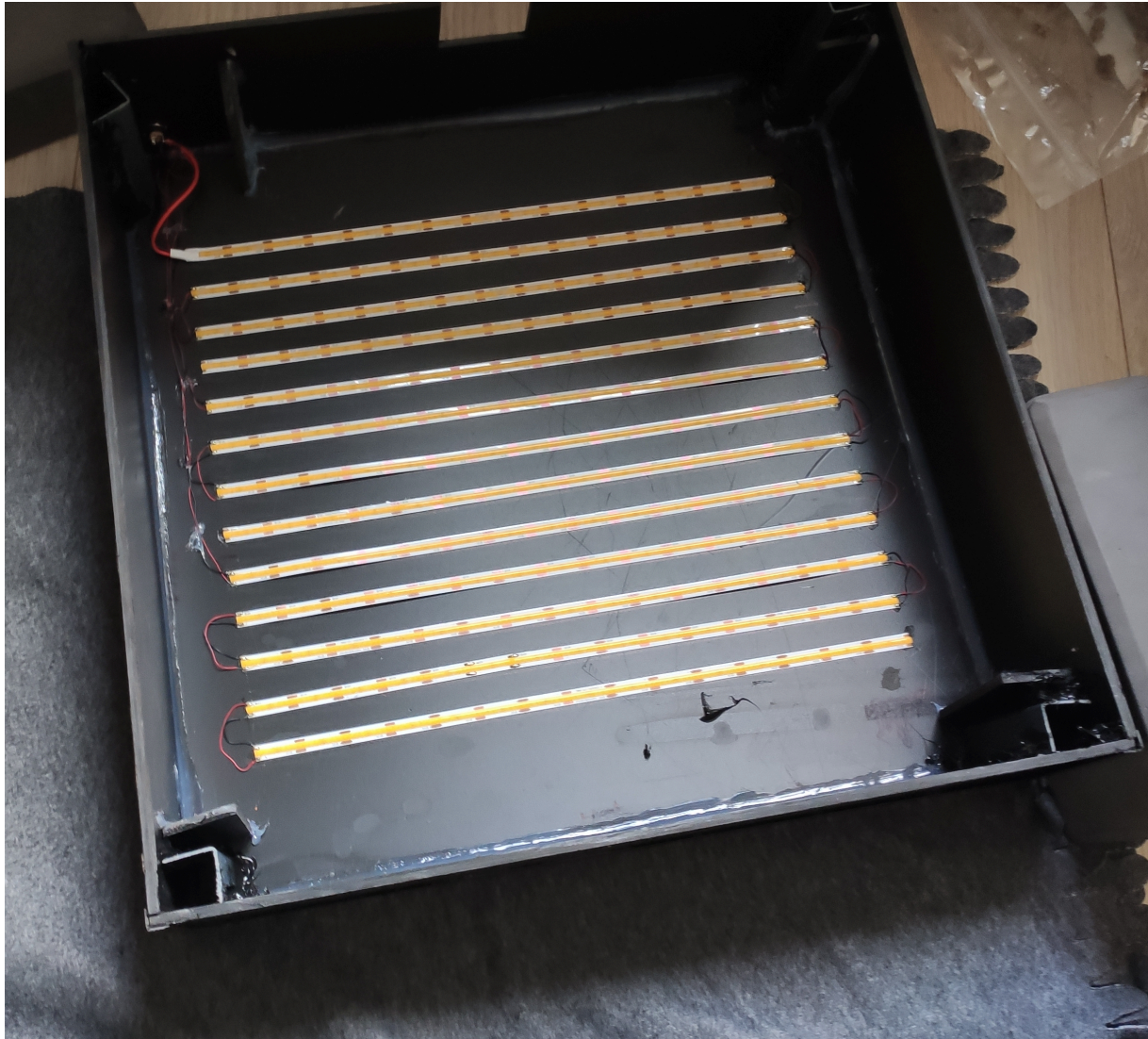
# Lights



# Lights



# Lights



# Water tank / water level sensor / water pump



# Nozzles



# Temperature / humidity sensor



Connect it together

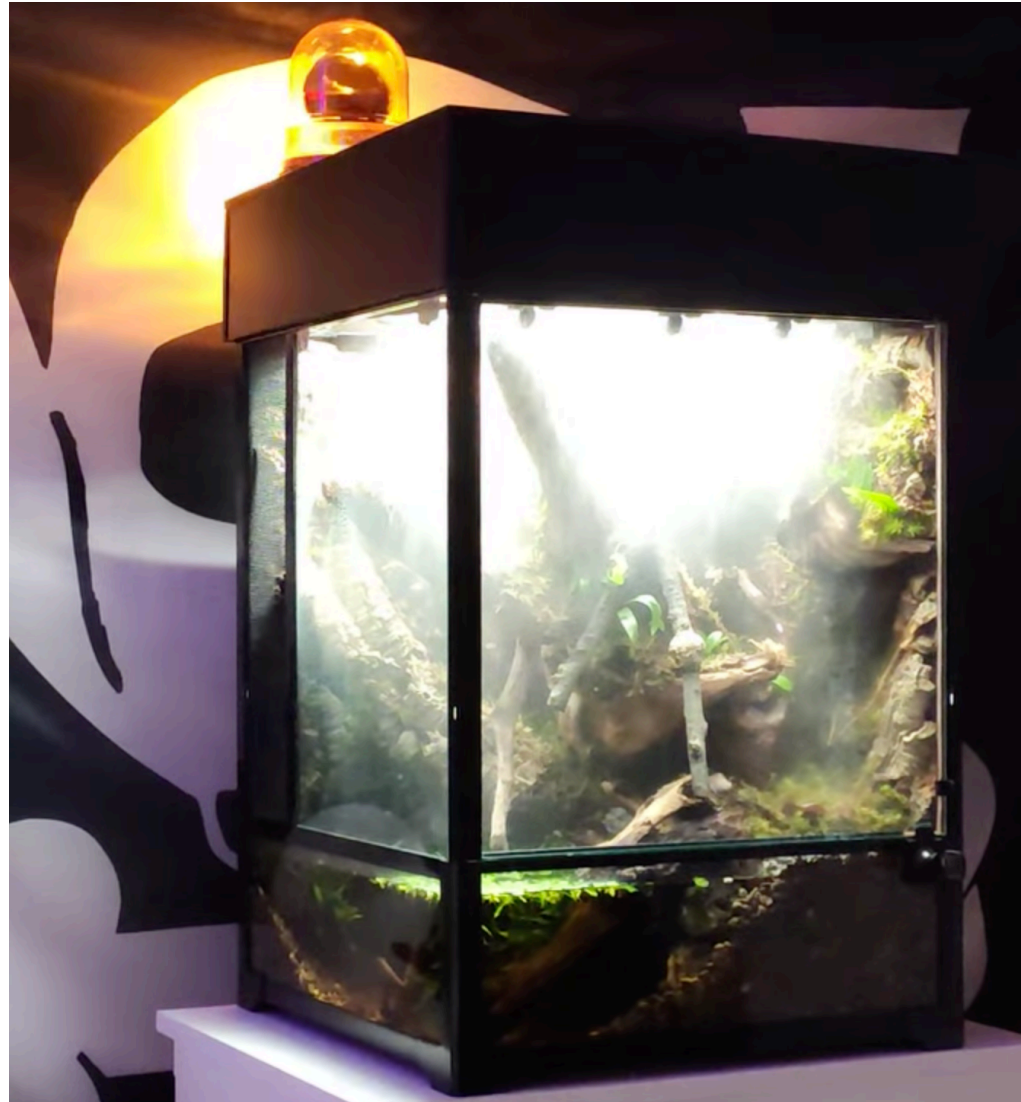


# Make Grafana show some numbers





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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