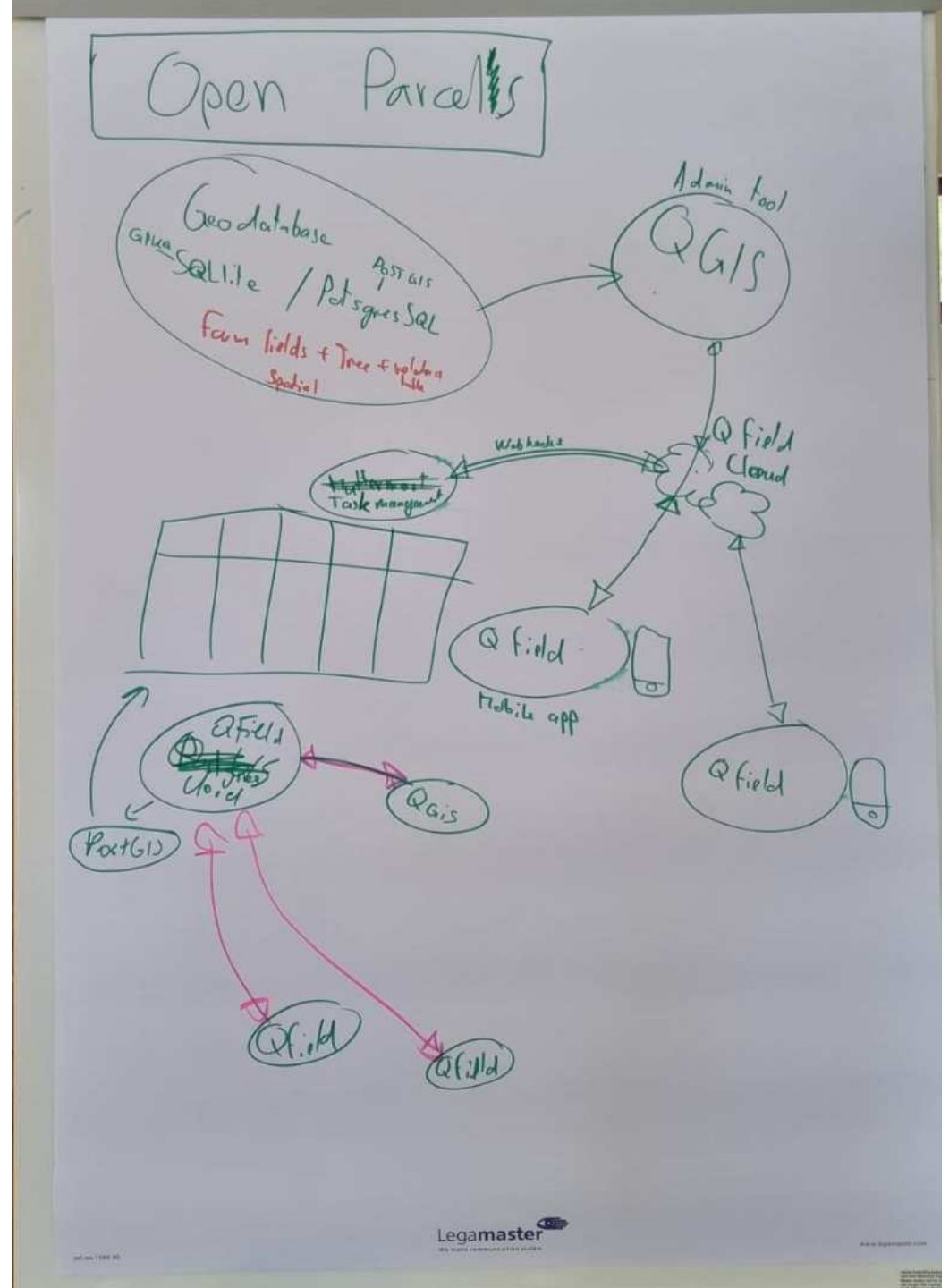
A photograph of a garden scene. In the foreground, there are several rows of plants. On the left, there are bright pink and red dahlia flowers. In the center, there is a dense patch of green foliage with small red flowers. To the right, there are large green leaves, possibly from a squash or pumpkin plant. In the background, there are trees and a cloudy sky. A green rectangular box is overlaid on the center of the image, containing white text.

Challenge 1 – Open Parcels

Simon Marc, Julius and Oleg



Evaluation of the right infrastructure to make the app truly collaborative



PostGIS in SQL to modify data base continously

- Set up pgAdmin with postgis
- Learn SQL

This increases inter-operability with other apps

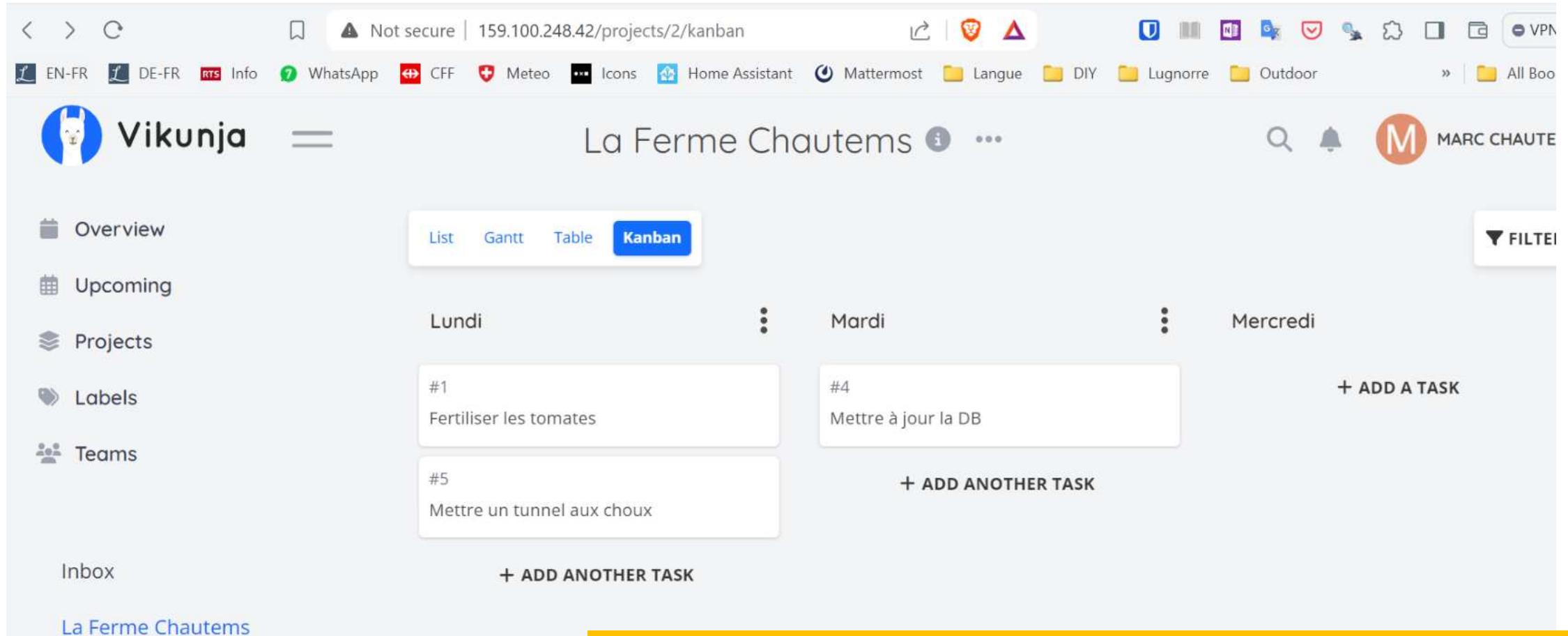


Set up was successful

```
7 AS
8 select public.suitabilityscore_Brassica_2023.*, st_intersection(public.referencegardenbeds, public.suitabilityscore_Brassica_2023
9 from public.referencegardenbeds, public.suitabilityscore_Brassica_2023
10 where st_intersects(public.referencegardenbeds.geom, public.suitabilityscore_Brassica_2023.geom)
11
12 CREATE TABLE suitabilityscore_Brassica_2020_fake_itteration
13 AS
14 SELECT * FROM public.suitabilityscore_Brassica_2020_fake;
15
16 ALTER TABLE public.suitabilityscore_Brassica_2020_fake_itteration
17 ADD seasonyear_itteration varchar(255);
18 UPDATE public.suitabilityscore_Brassica_2020_fake_itteration SET seasonyear_itteration = seasonyear;
19 ALTER TABLE public.suitabilityscore_Brassica_2020_fake_itteration
20 DROP COLUMN seasonyear;
21
22
23 CREATE TABLE suitabilityscore_BrassicaShapesMultiYear
24 AS
25 select public.suitabilityscore_Brassica_2020_fake_itteration.*,
```

Does not solve properly the issue of multiusers access

Selfhosting of a task management tool!



Set up was successful

Possibility to dock directly to the same database
than the QGIS did not tested yet

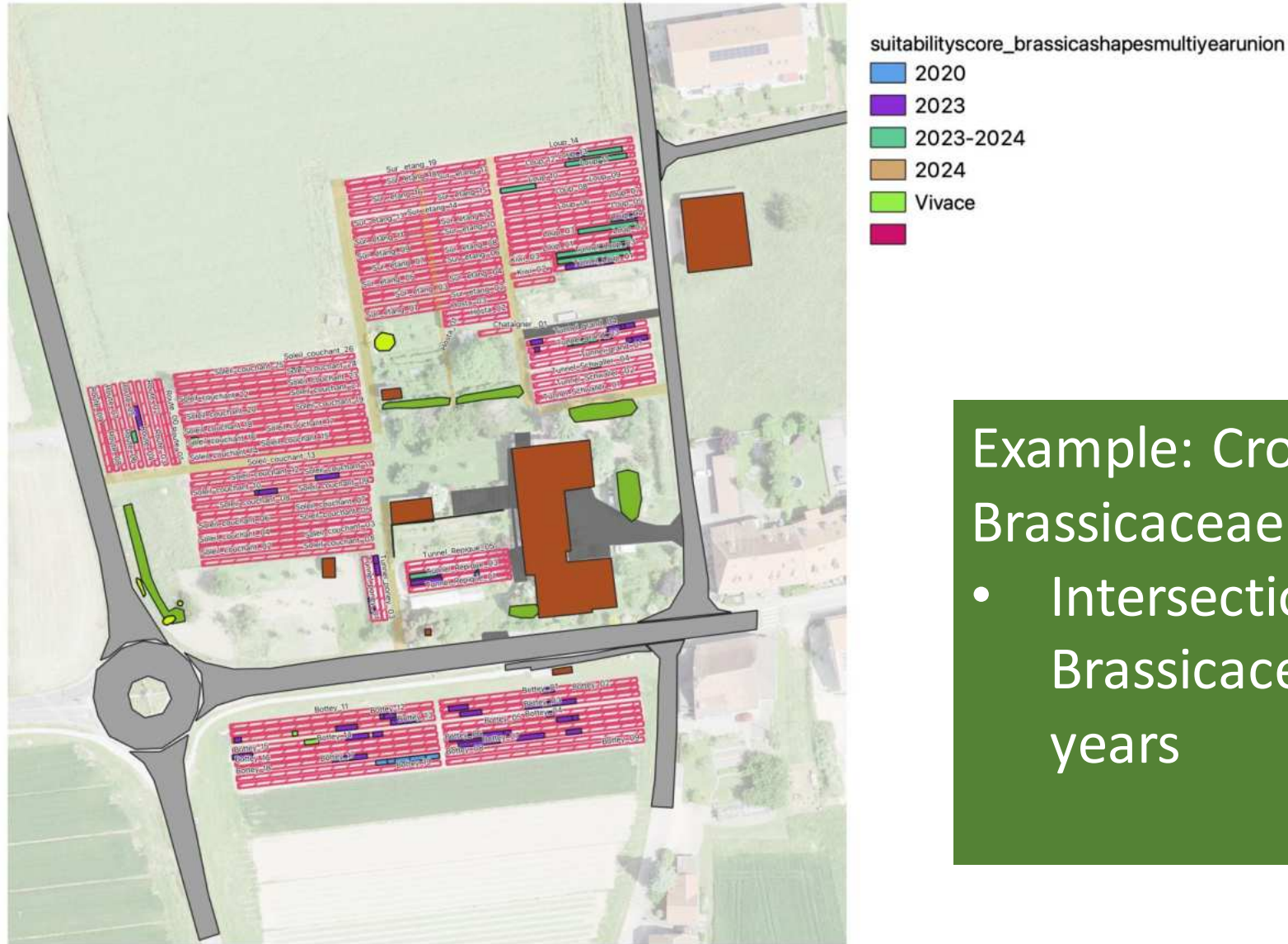
Task: Keep overview on crop-rotation



Task:

- Keep overview on crop-rotation
- Create automated workflow to create maps with suitability scores
- Use sql data-base

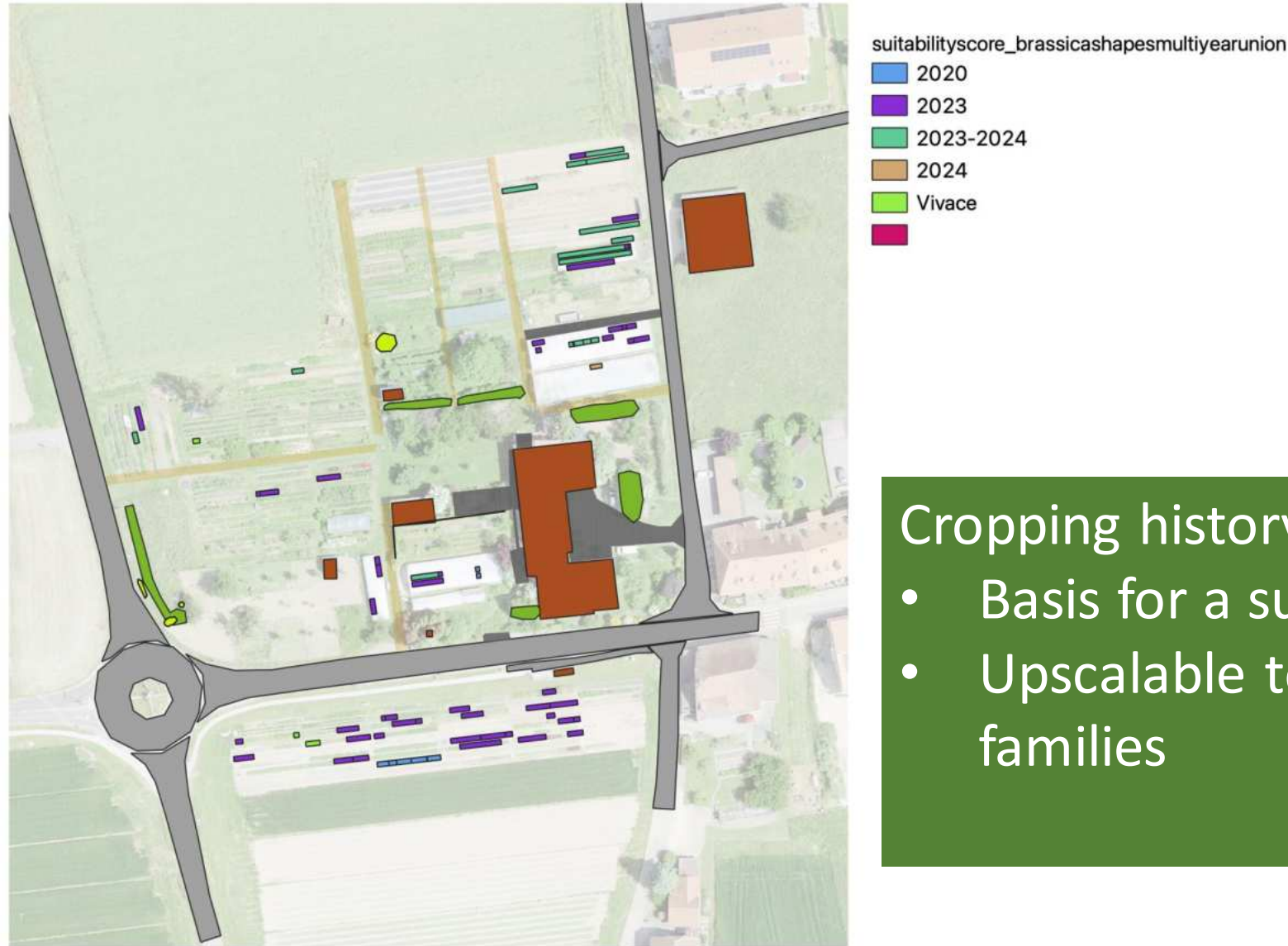
Search cropping history in PostGIS DB



Example: Cropping history of Brassicaceae

- Intersection of beds with Brassicaceae over the past years

Search cropping history in PostGIS DB



Cropping history of Brassicaceae

- Basis for a suitability score.
- Upscalable to other crop families