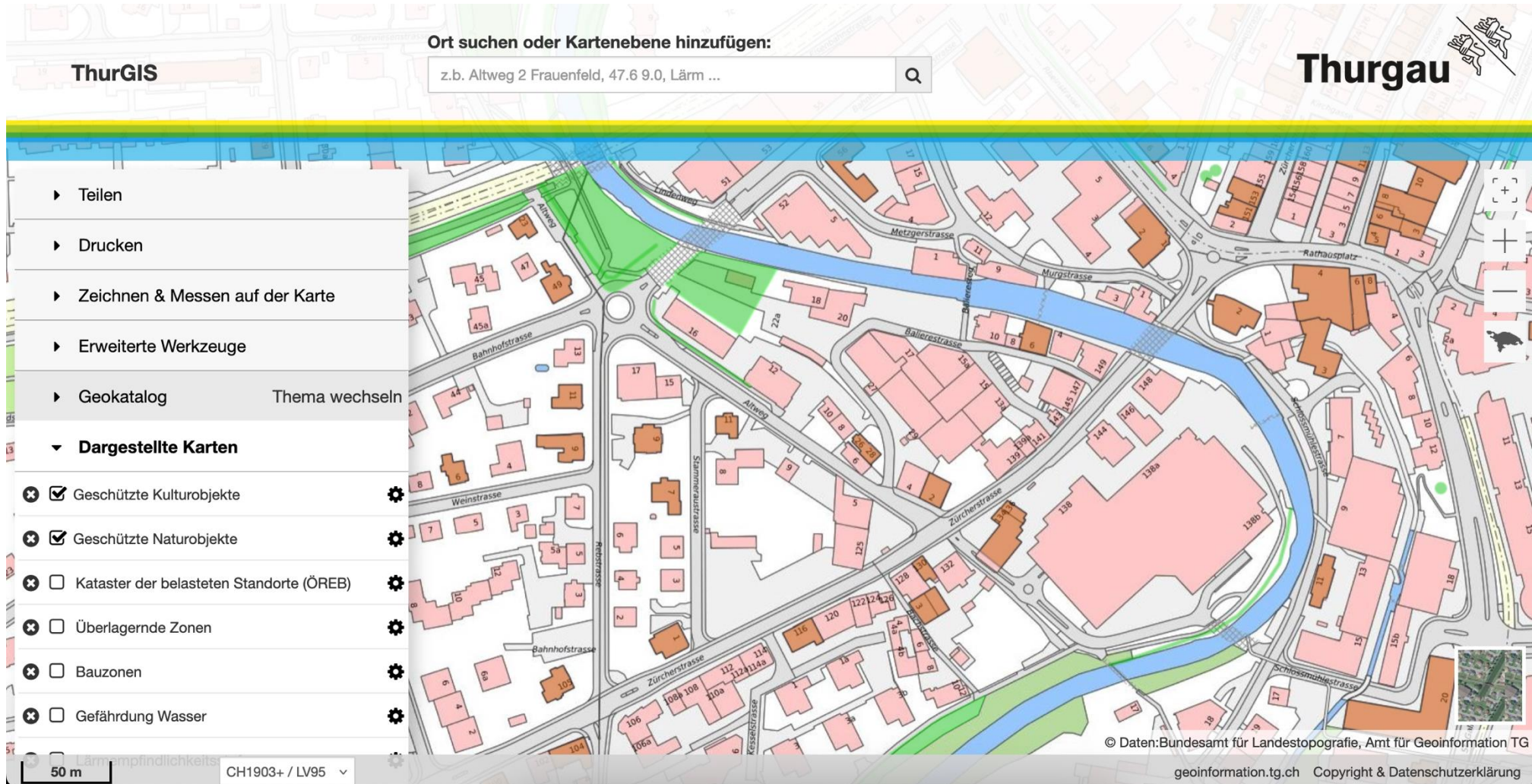


Interaktive Small Multiple Webkartenansicht für die gleichzeitige Darstellung deckungsgleicher Information in der Raumplanung

Masterarbeit von Salome Reutimann, FHNW, Institut Geomatik
Supervisorin: Prof. Dr. Susanne Bleisch, externer Experte: Benedikt Heil (Zeix AG)

Problembeschreibung: Sich überlagernde Flächen ([Link](#))



Problembeschreibung: Sich überlagernde Flächen ([Link](#))



Problembeschreibung: Sich überlagernde Flächen



Problemstellung in der Raumplanung

- Alle Interessen ermitteln & Interessensabwägung (Art. 3 RPV)
- Gleichzeitige Auslegeordnung aller Themen



Prototyp einer interaktiven Small Multiple Webkarte



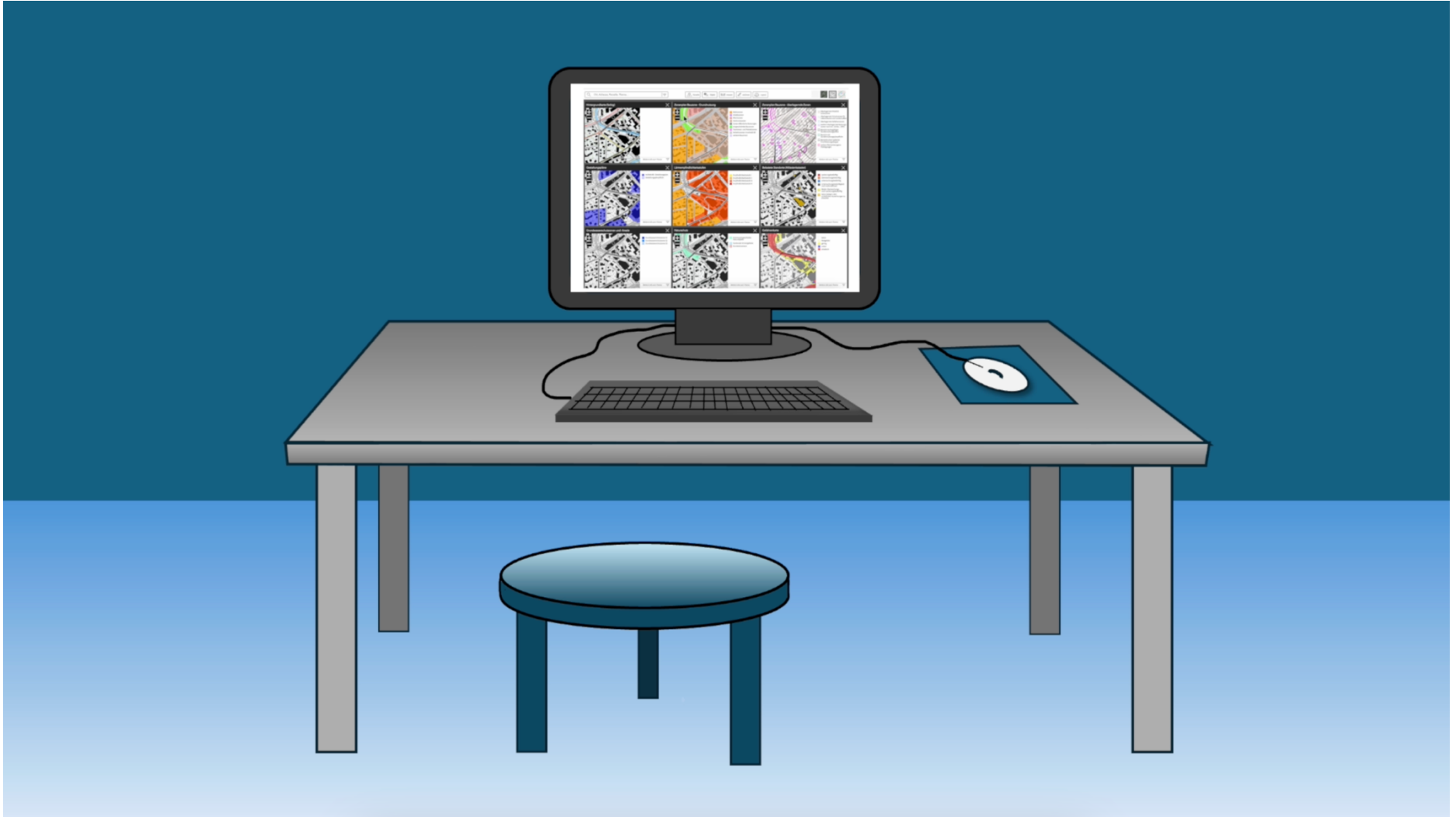
Prototyp einer interaktiven Small Multiple Webkarte

Nebeneinander statt Übereinander

- **Layout 1** (mit 3 Karten pro Reihe): <https://geovis.ch/smallmultiplesoereb1B>
- **Layout 2** (mit 4 Karten pro Reihe): <https://geovis.ch/smallmultiplesoereb2>



Qualitative Usability-Tests mit 6 Raumplanungsfachpersonen



Danke fürs Zuhören 😊

Paper in Bearbeitung

Vortrag an Naturgefahren-Konferenz RIMMA 2025 - International Conference on Forecasting, Preparedness, Warning, and Response, am 30. Januar 2025

Weitere Infos zur Masterarbeit (Film & Poster): <https://www.fhnw.ch/en/degree-programmes/architecture-construction-and-geomatics/master-mse-geomatics/master-thesis>

Fragen gerne an: salome.reutimann@gmx.ch

Akkurate Ertragsprognosen 7 Monate vor der Ernte

Die weltweite Agrarproduktion mit GIS und
landwirtschaftlichem Know-how verstehen

Dr. Gregor Perich – gregor.perich@terensis.io

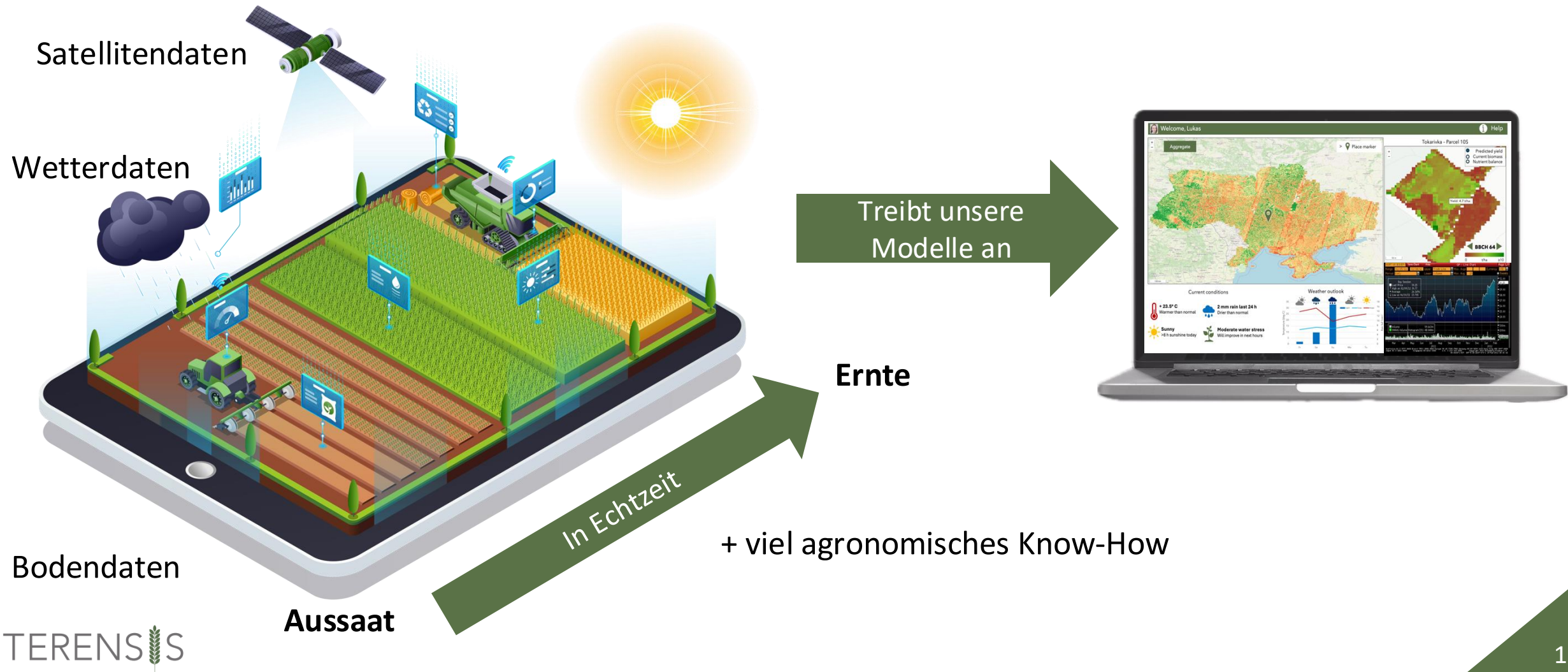
Dr. Lukas Graf – lukas.graf@terensis.io

<https://www.terensis.io>

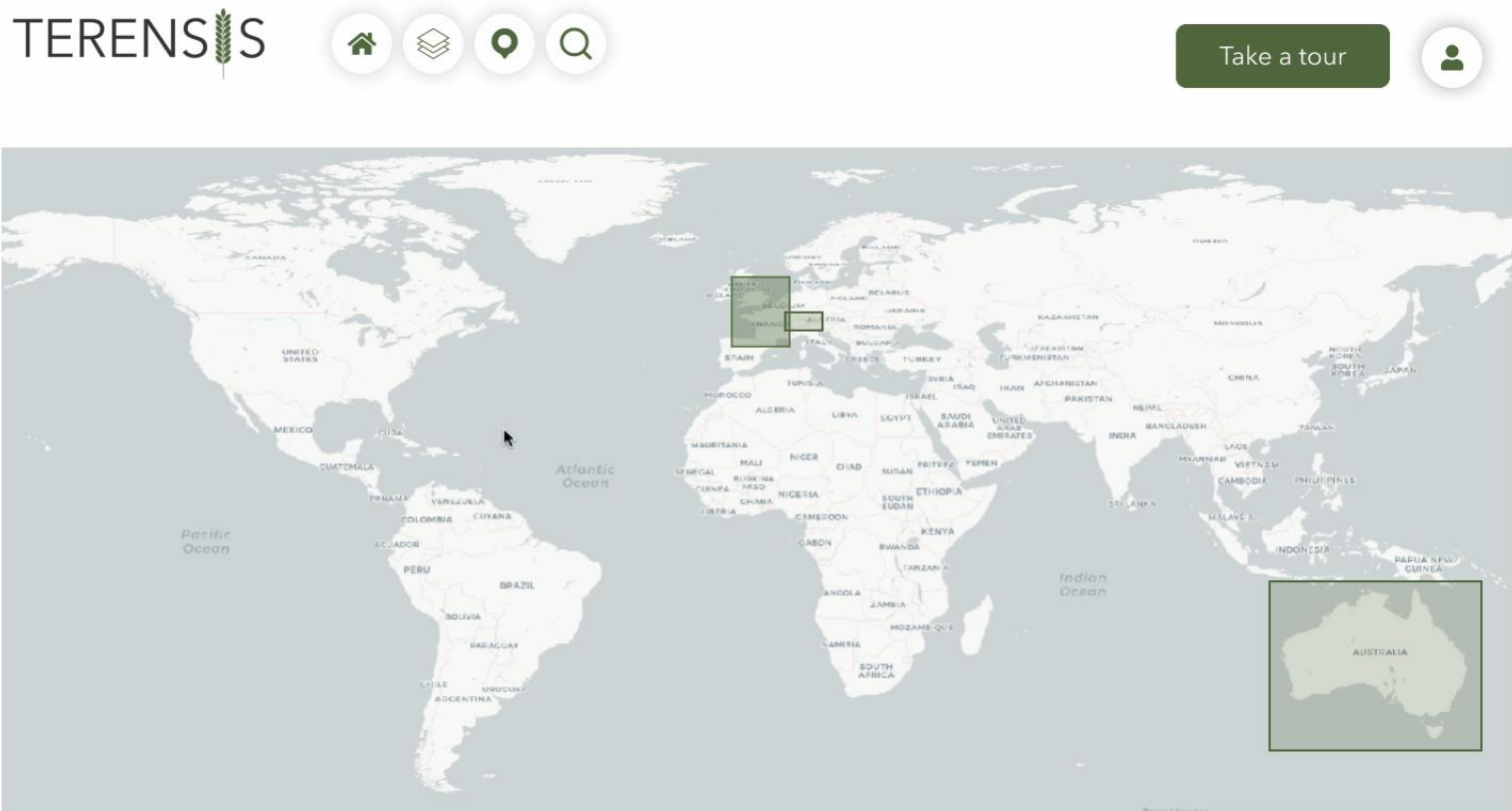


Wir bauen Getreide virtuell an

Überall auf der Welt, validiert mit 20 Jahren an historischen Produktionsdaten



Wir Erleichtern das Verständnis der treibenden Kräfte hinter der landwirtschaftlichen Produktion.



Probier es selbst aus:



Vielen Dank!
Merci!

Probiere
unseren
Prototyp selbst
aus:

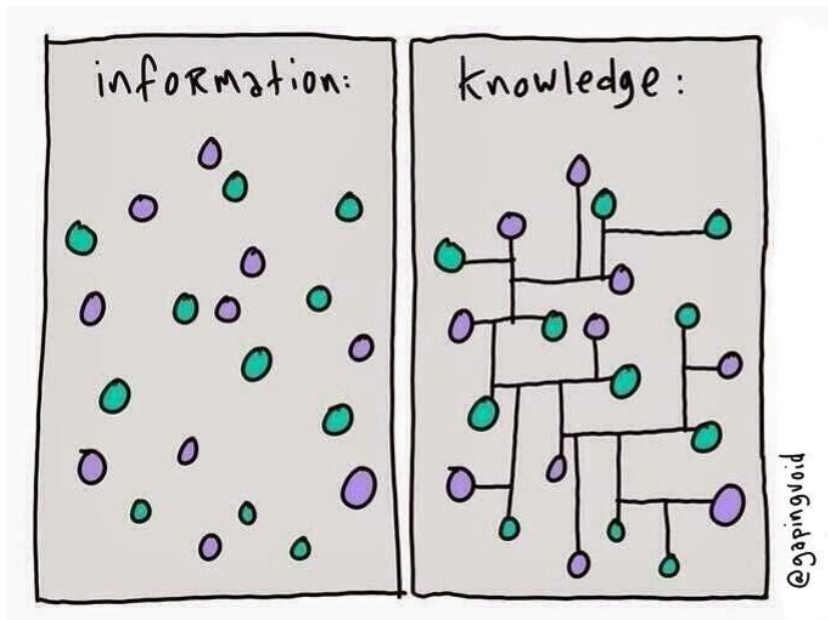


«Learning GIS is hard»

How to enable newcomers to connect the dots

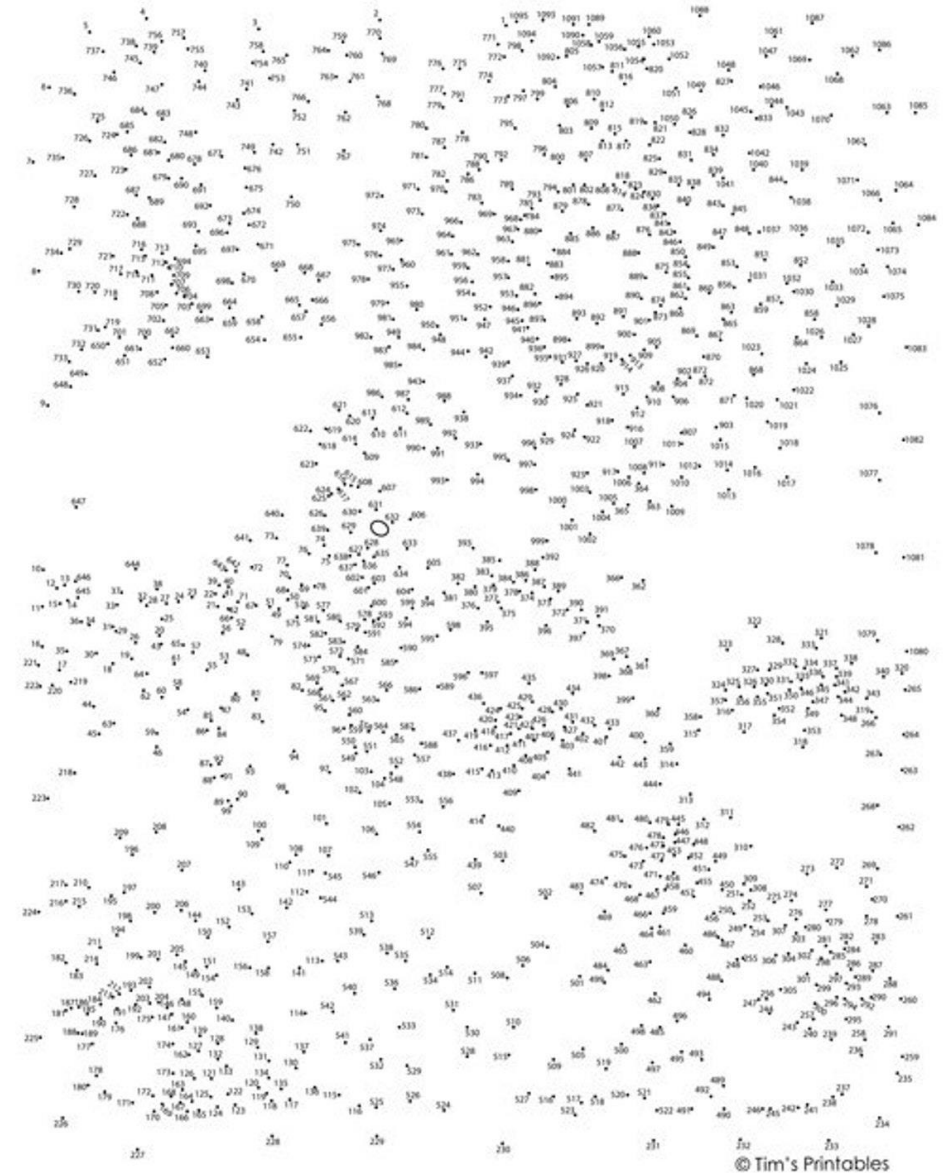
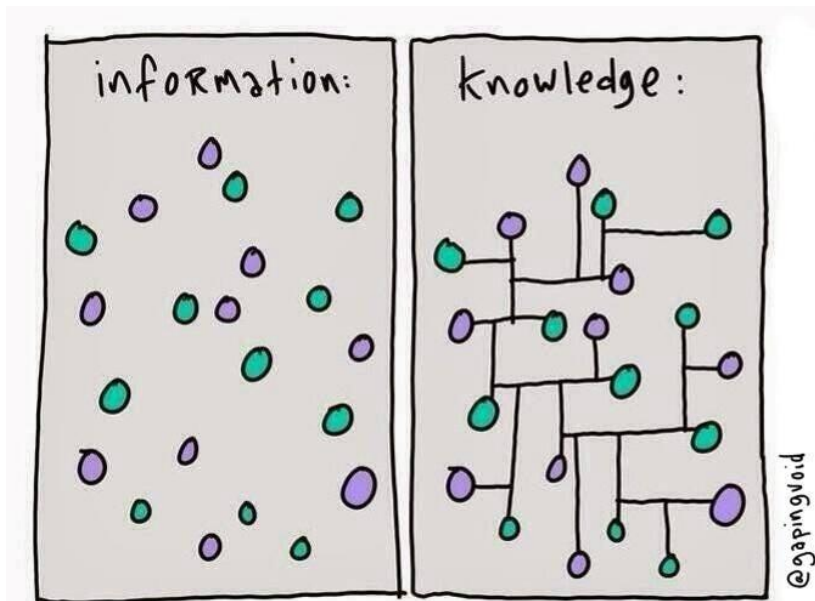
Motivation

- Environmental Scientist with passion for GIS & teaching
- CAS GIS ETH 2021/2022



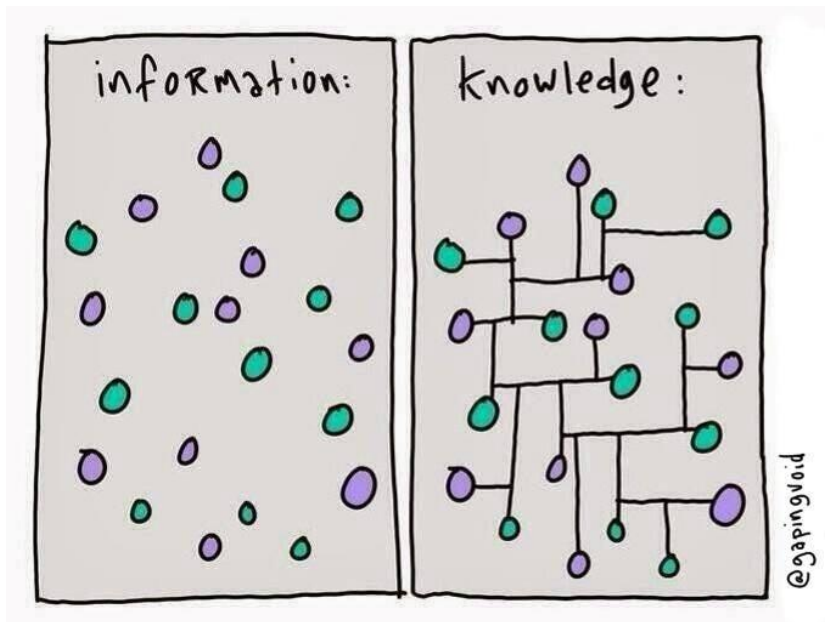
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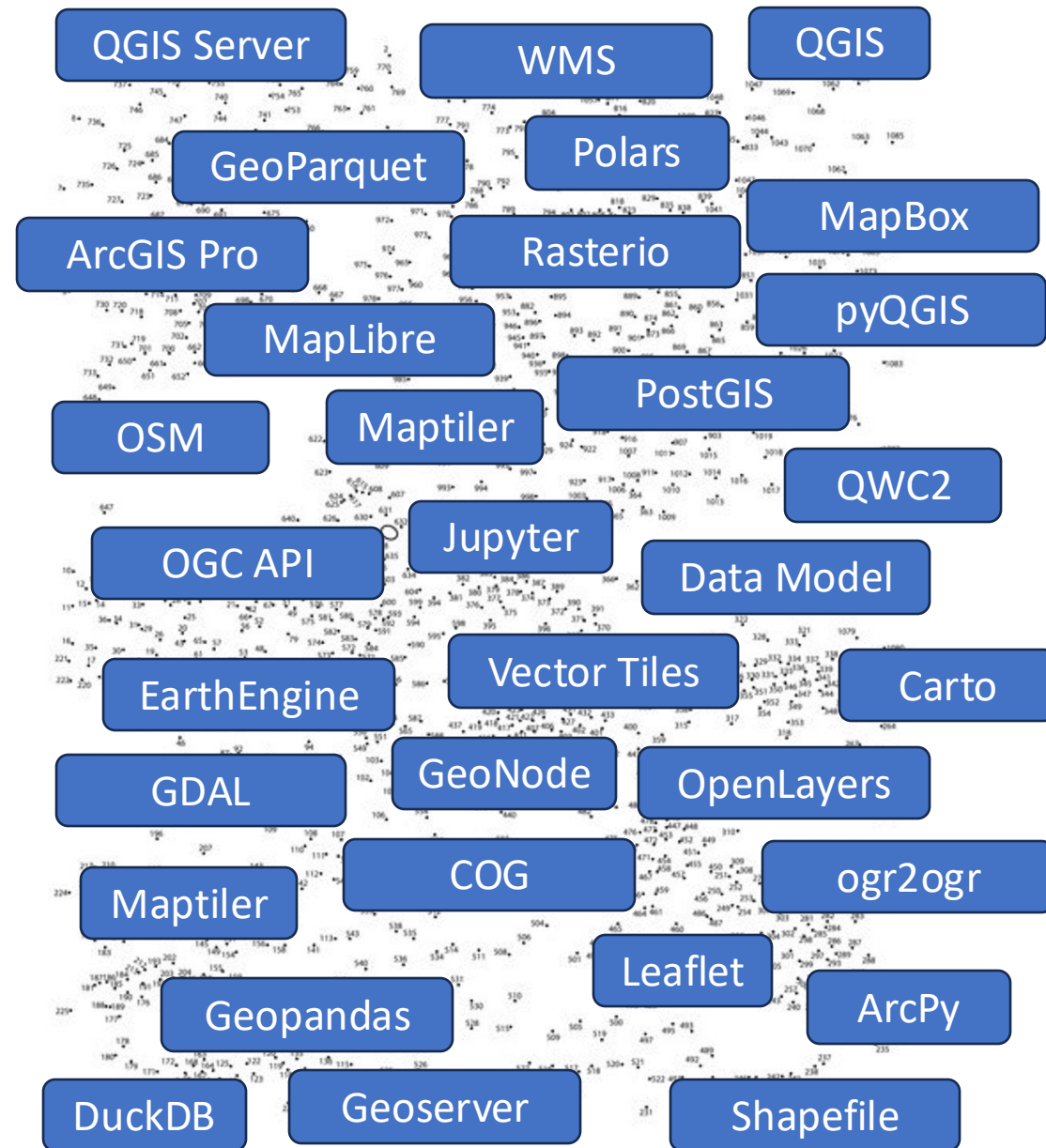


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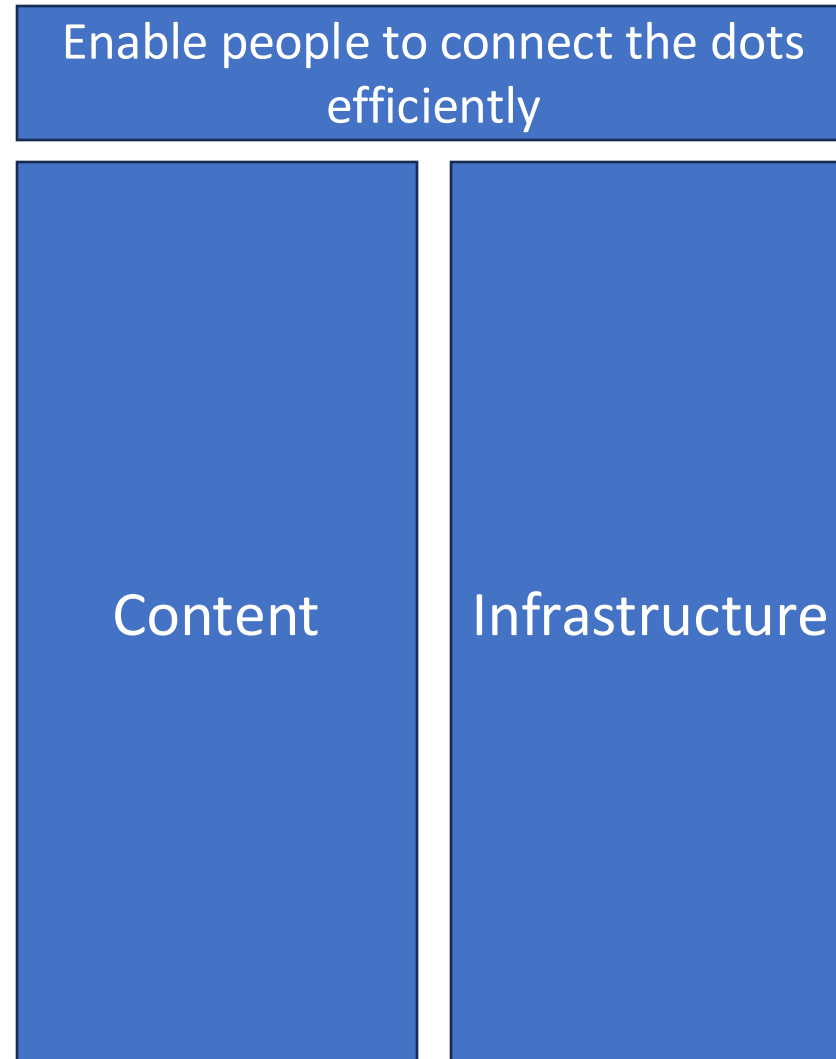


<https://medium.com/@kathryn.leroy/do-you-know-how-to-connect-the-dots-6ebb7b3e88ae>



<https://www.etsy.com/se-en/listing/963999266/bumblebee-dot-to-dot-connect-the-dots>

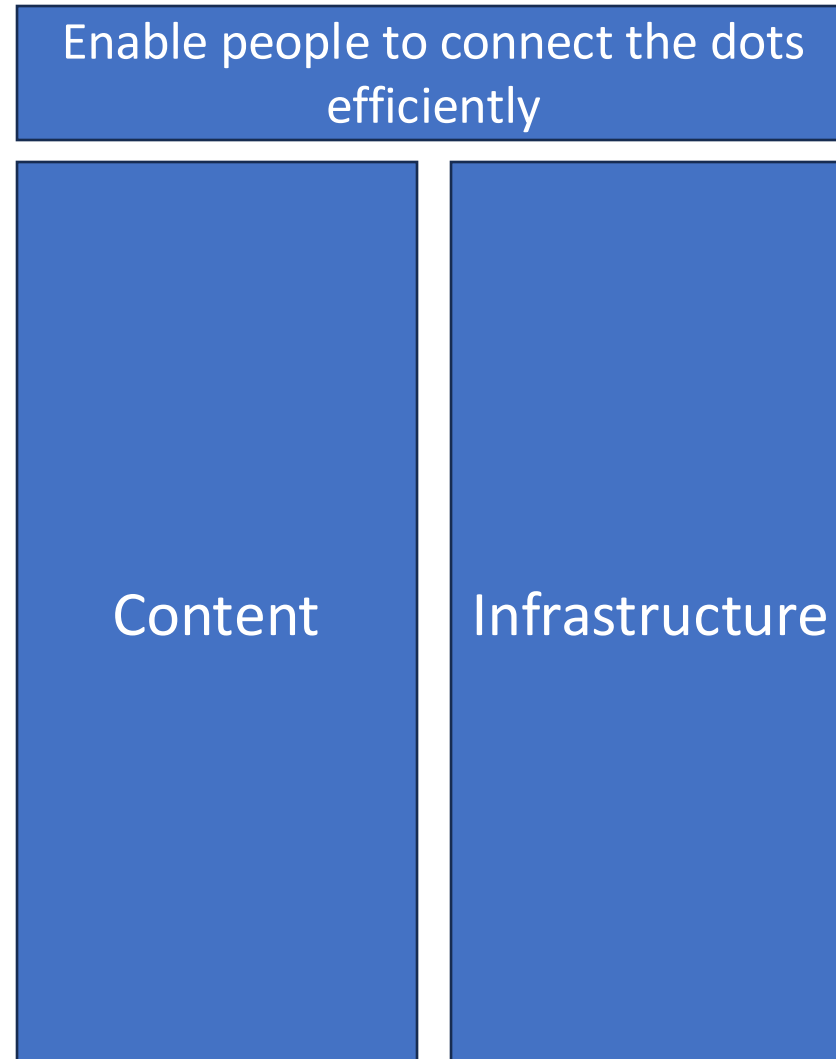
CAS thesis: Data Stories & OS GIS Sandbox



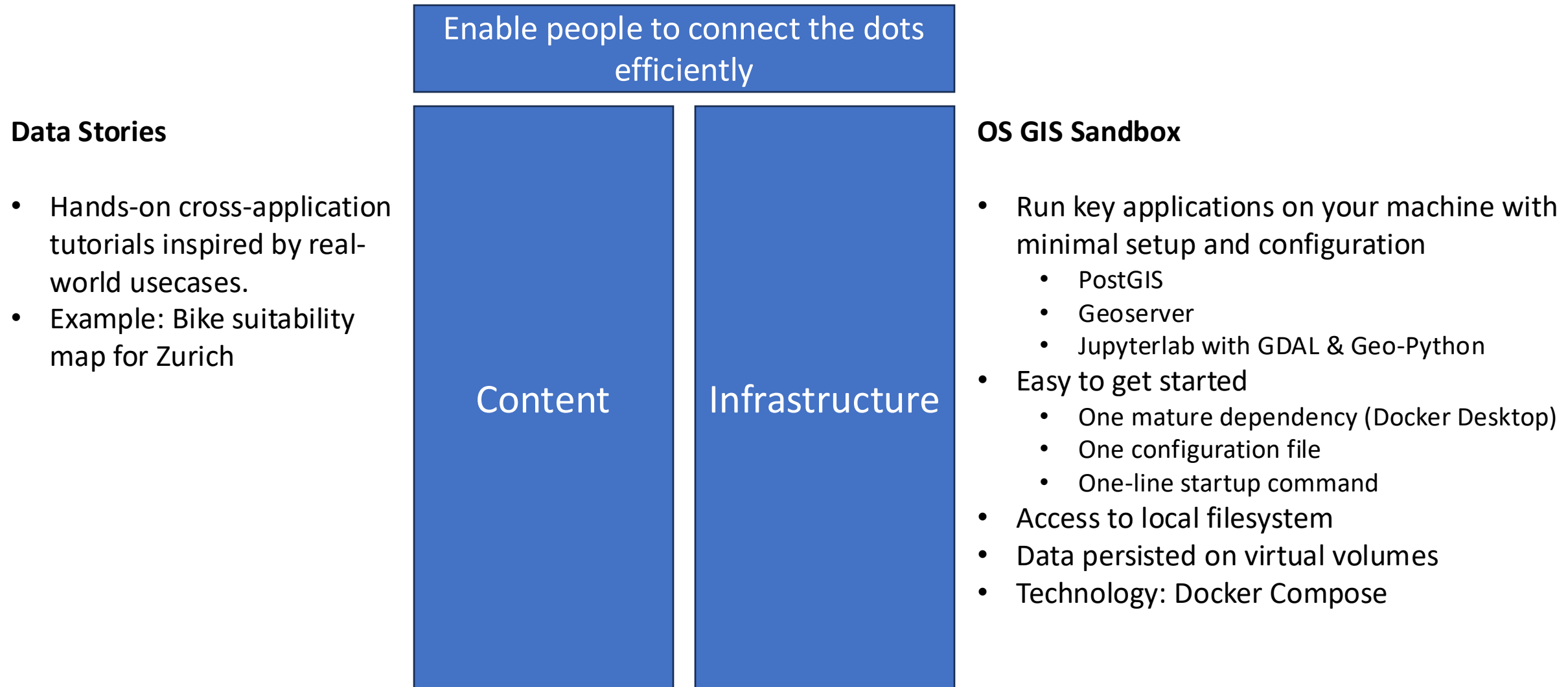
CAS thesis: Data Stories & OS GIS Sandbox

Data Stories

- Hands-on cross-application tutorials inspired by real-world usecases.
- Example: Bike suitability map for Zurich



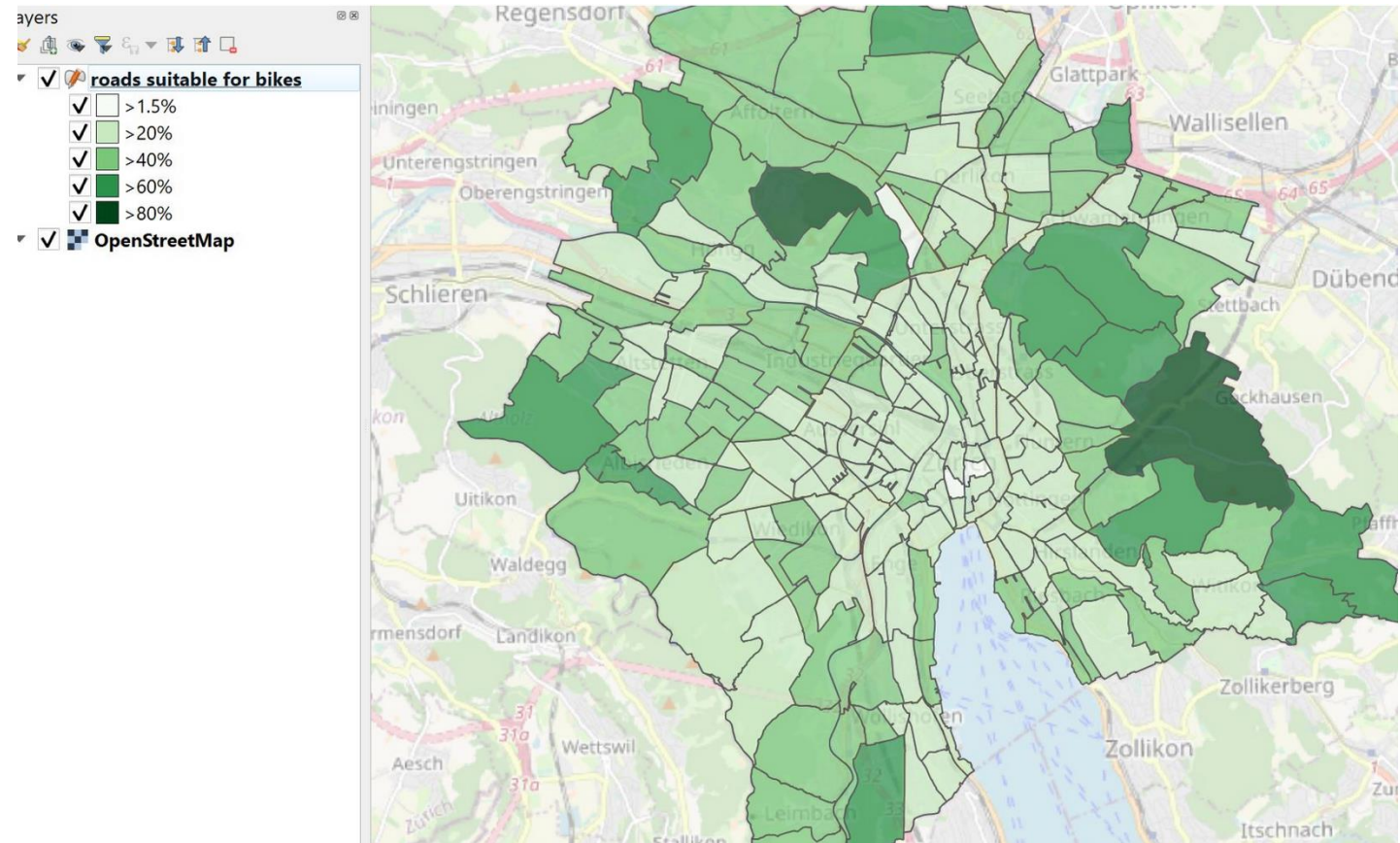
CAS thesis: Data Stories & OS GIS Sandbox



Demo Data Story – Bike Suitability Map ZH

You are working at a small company that is specialized in city micromobility.

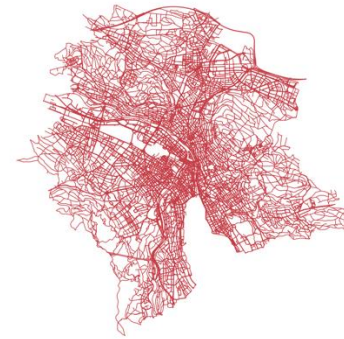
At a meeting the idea was born to **visualize the percentage of streets which are suitable for biking for each district in Zurich**. This "biking friendliness indicator", could then be turned into beautiful choropleth maps to highlight leader and laggard districts. This would surely spark a public debate on the topic! Your team even had the idea to make this not only a one-time thing, but to **update this indicator and downstream visualizations on a monthly basis** to incentivize the government to take action.



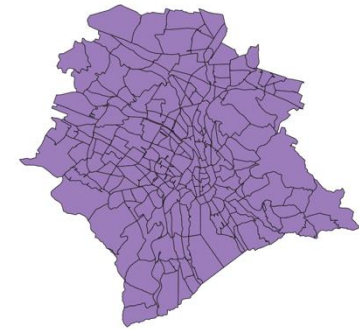
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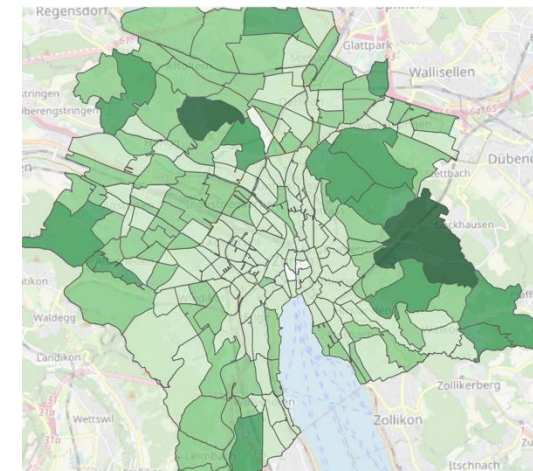


streets.shp



districts.shp

1. Get to know the data (ogrinfo / QGIS)
2. Load data into PostGIS (ogr2ogr / geopandas)
3. Process data (postgis)
4. Visualize data (QGIS)
5. Operationalize the workflow (postgis materialized view)
6. ...



Final thoughts

- This is a sandbox. Use it as a sandbox.
- Hopefully more data stories to come.
- Cloud deployment for zero-setup workshops.
- What can go wrong will probably go wrong. If something does not work, let's connect!



https://github.com/folinimarc/os_gis_sandbox