

Climate Ticker

For more Transparency and Participation in Local Climate Policy

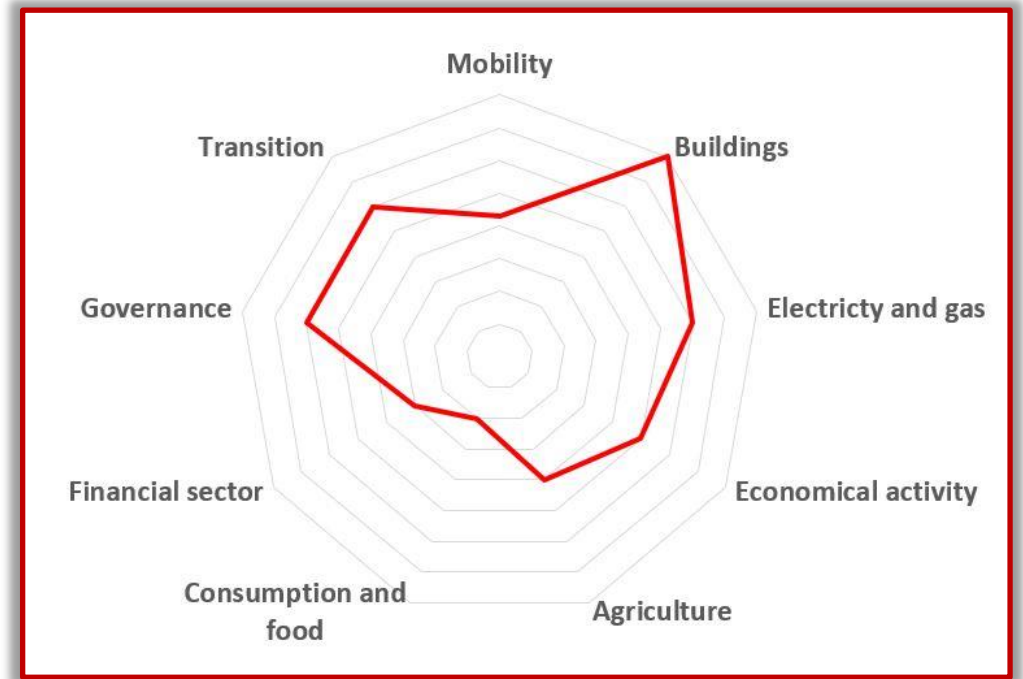


Let's strengthen local climate measures!

What is the problem ?

Transparency : local citizens should know what their canton or municipality is doing well / could improve

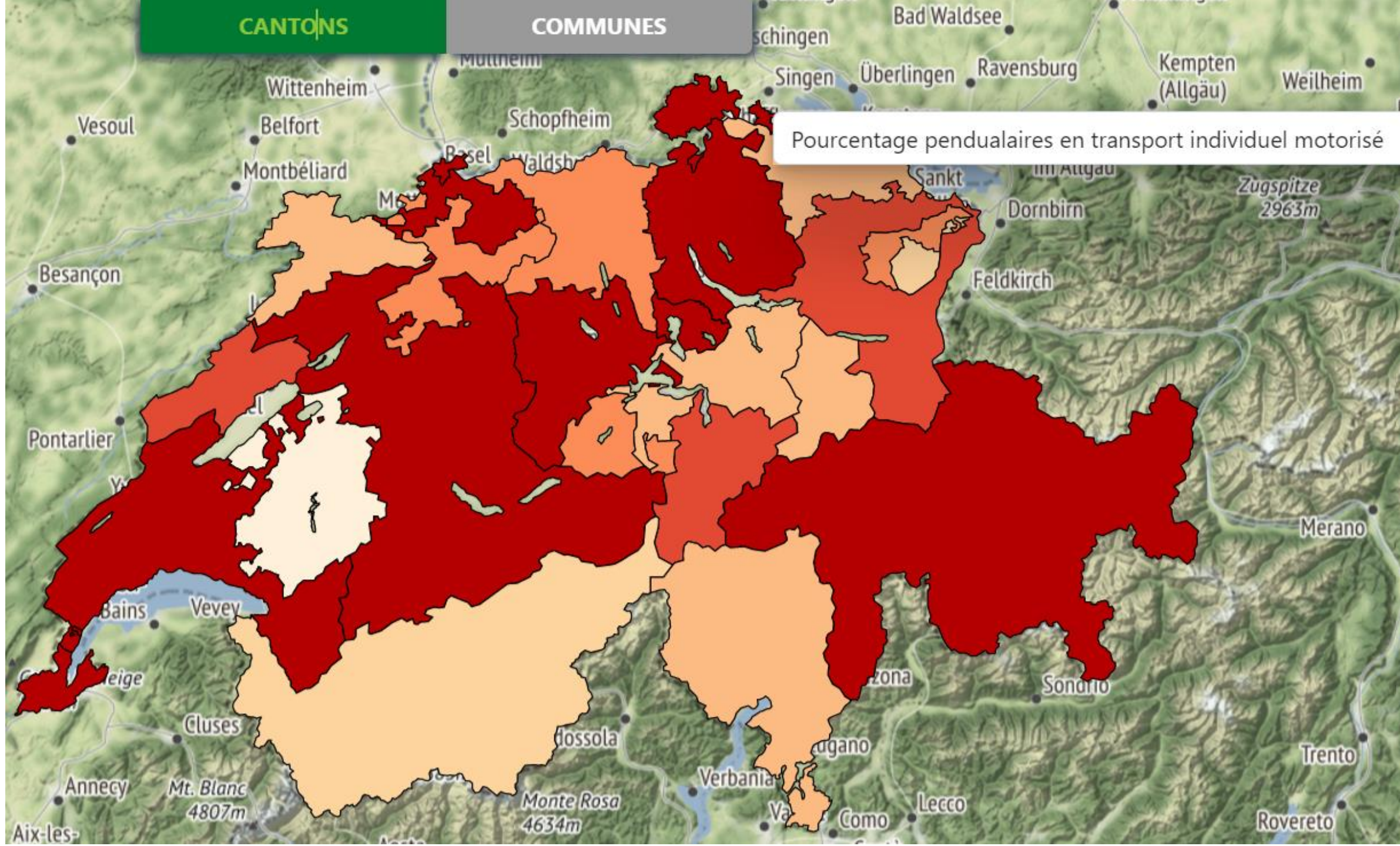
-> more citizen participation, to increase climate ambition



CANTONS

COMMUNES

Pourcentage pendulaires en transport individuel motorisé



Sustainable mobility : 3 types of data missing

- Cycle lanes : % of km-roads with good quality cycle lanes
More cycle lanes -> more cyclists (very low-carbon transport)
- Variation of frequentation of different transport types
 - Public transport : rail / other 
 - Road : national (motorways) / cantonal 
- Subsidies for public transport per canton / region



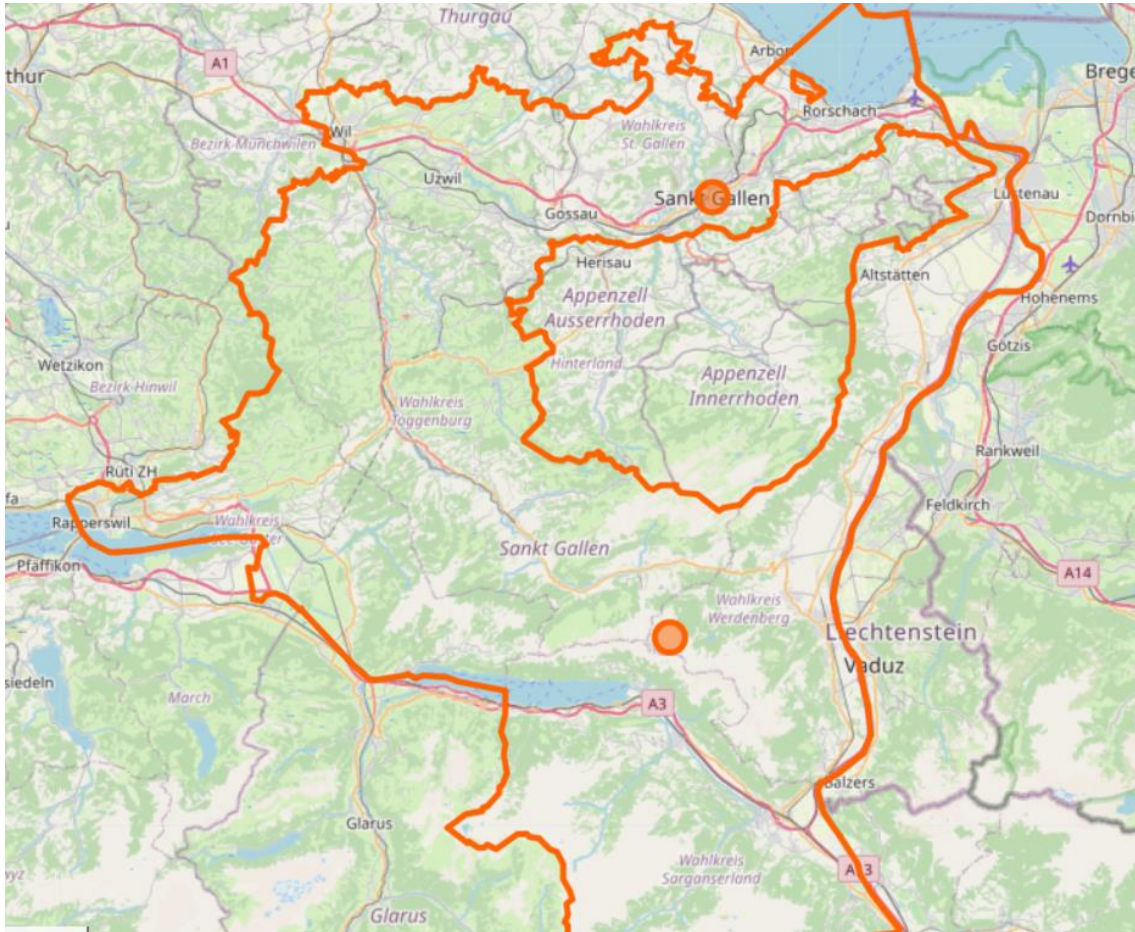
Cycle lanes

- OpenStreetData analysed -> parsed by region
 - ratio km roads with cycle lanes / km total roads
- What does «quality» mean ?
 - ratio km of dedicated cycle lanes / km total roads

Other possible approaches :

- Number of bicycle accidents
- Detect cycle lanes that end nowhere
- Number of actual cyclists : cross with data from google or posmo
- Analysis of swisstopo photographs ?

Data check



Cantons in cantons



A road is not a road...
-> total length : OFS data

Tags...

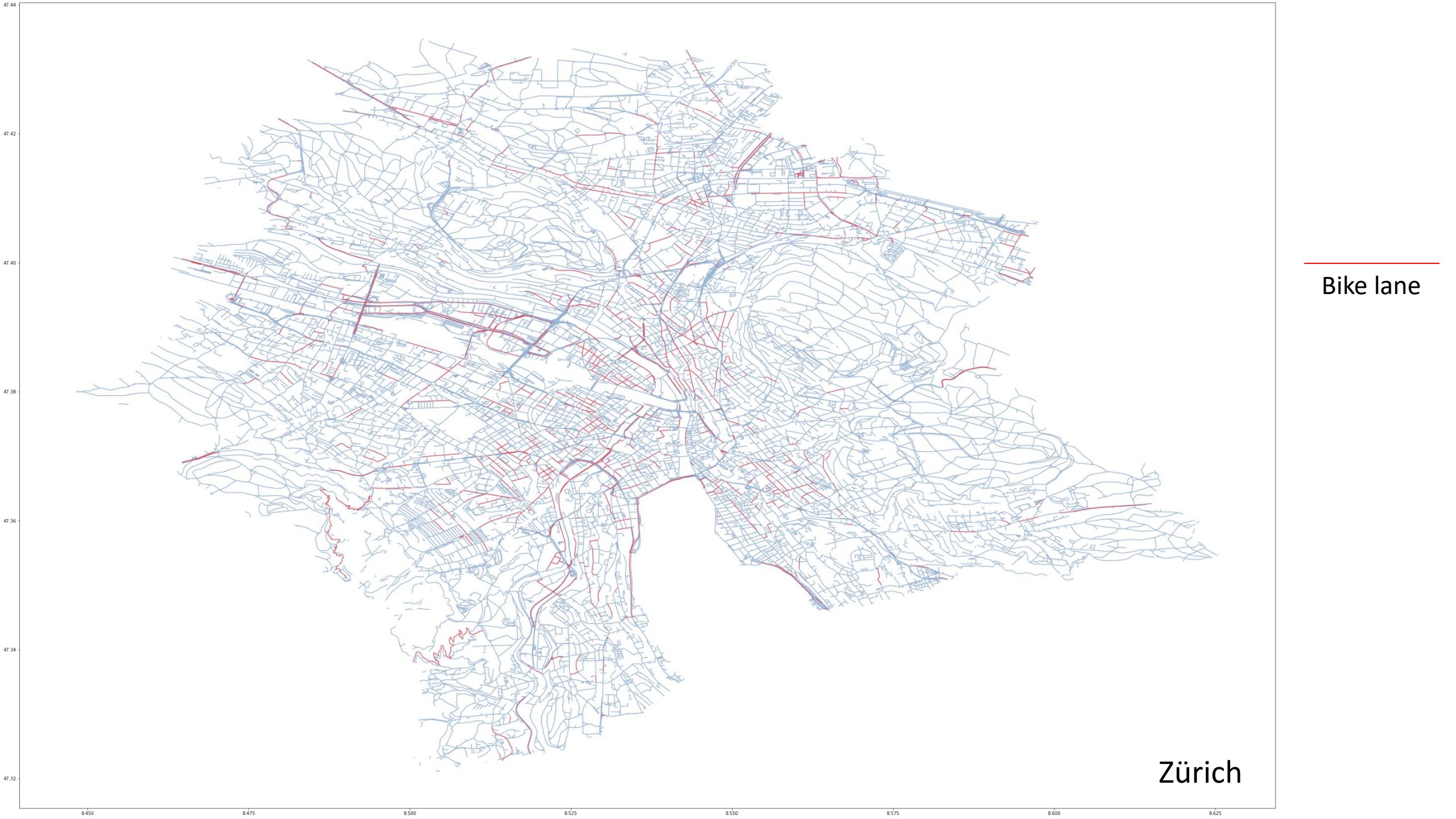
Picture	Tags
	<code>cycleway=opposite</code> <code>oneway:bicycle=no</code> <code>oneway=yes</code> <code>highway=residential</code> <code>surface=asphalt</code> ...

[bicycle](#)=designated

[highway](#)=[cycleway](#)

[cycleway:both](#)=[lane](#)

`cycleway=`[lane](#)



Bike lane

Zürich

First provisional results

	Design -ated	All cycle lanes	Opposite way	Roads OFS	Ratio cycle lanes	Ratio «good»
Zurich municipality	55	92	47	847	10.9%	6.5%
Schaffhouse	7	26	0	1028	2.5%	0.7%
St-Gall + Appenzell	32	60	7	6256	1.0%	0.5%
Thurgovie	137	289	3	3751	7.7%	3.7%

Learnings

- A lot of data crunching -> bigger machine
- Definitions ... definitions
- Important to get the geography right
Cross with swisstopo by latitude / longitude ?
- Adapt for topography of canton ?



Thank-you all for your help !

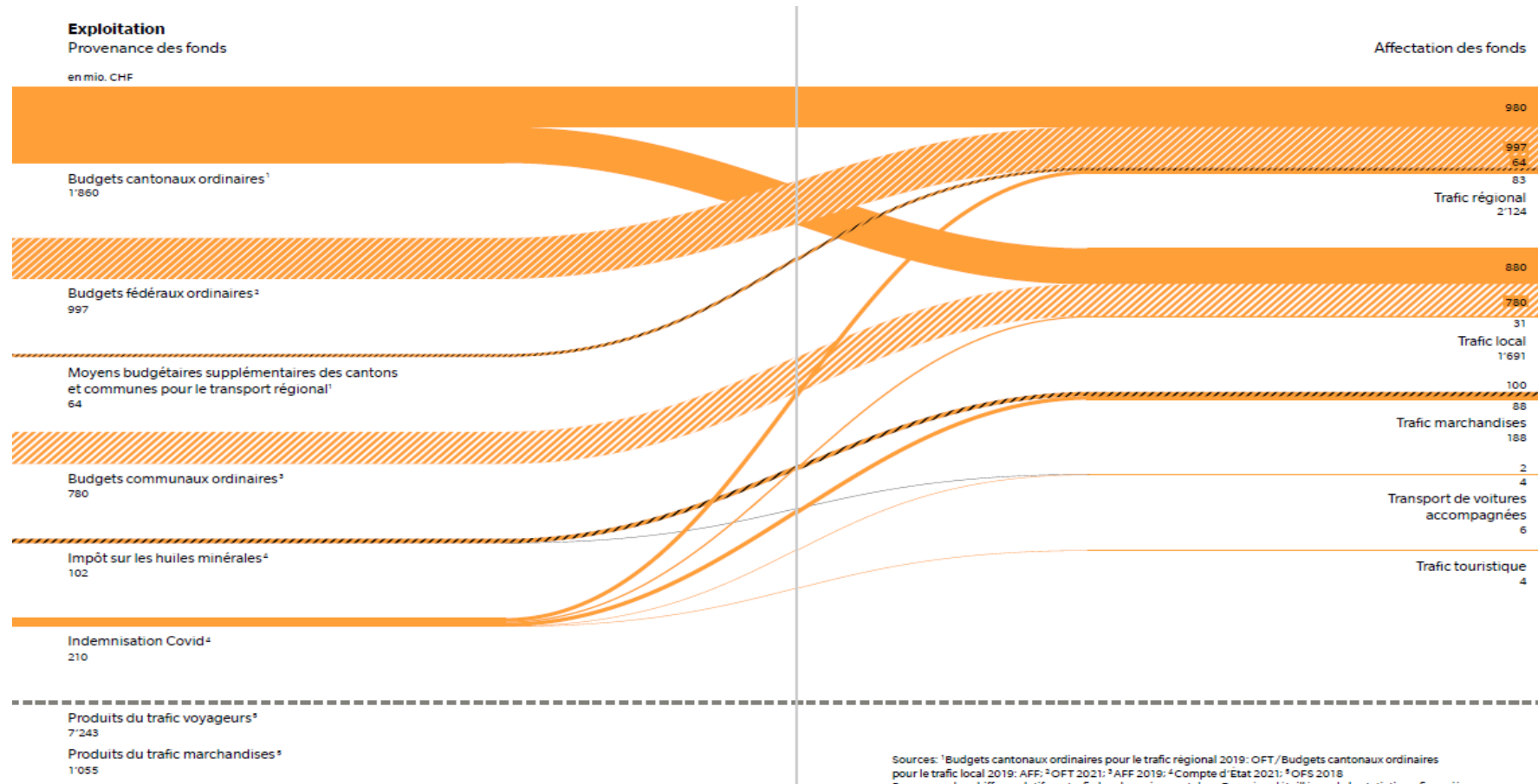
Annex : variation of frequentation

- Motorways : [traffic per year here](#)
- Rail and other road traffic : [2017 data here](#)
2022 rail data will be available summer 2023
- Bus frequentation ?

Annex : subsidies for public transport

Follow the money...

LITRA



[See also...](#)