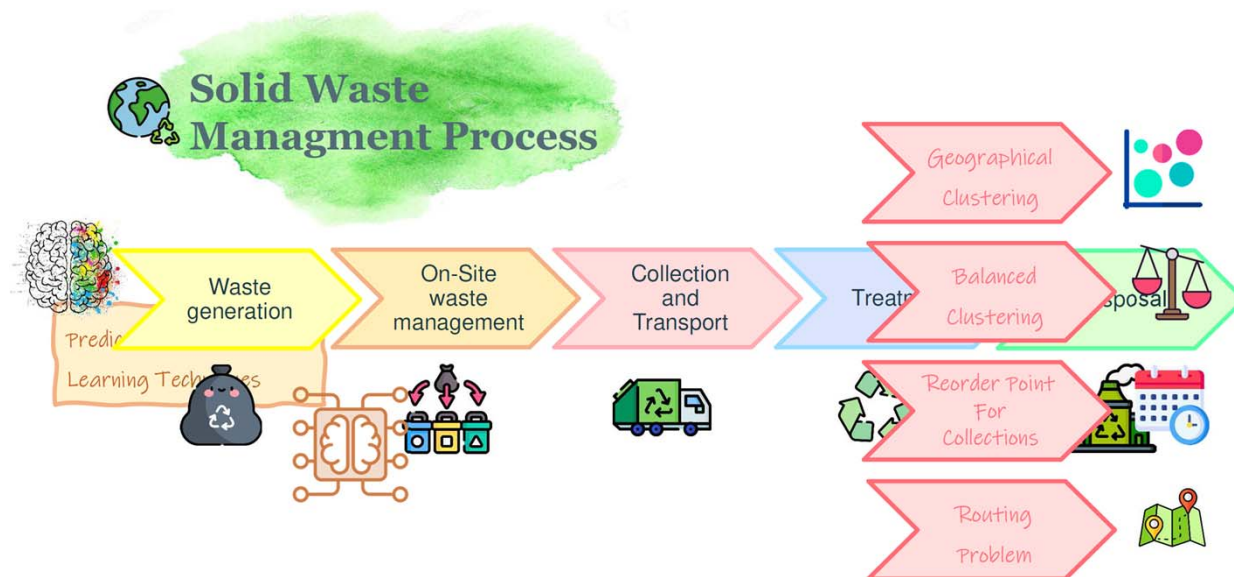


Subject 1

Domestic Waste collection



Waste collection around Serre-Ponçon lake



Waste collection around Serre-Ponçon lake

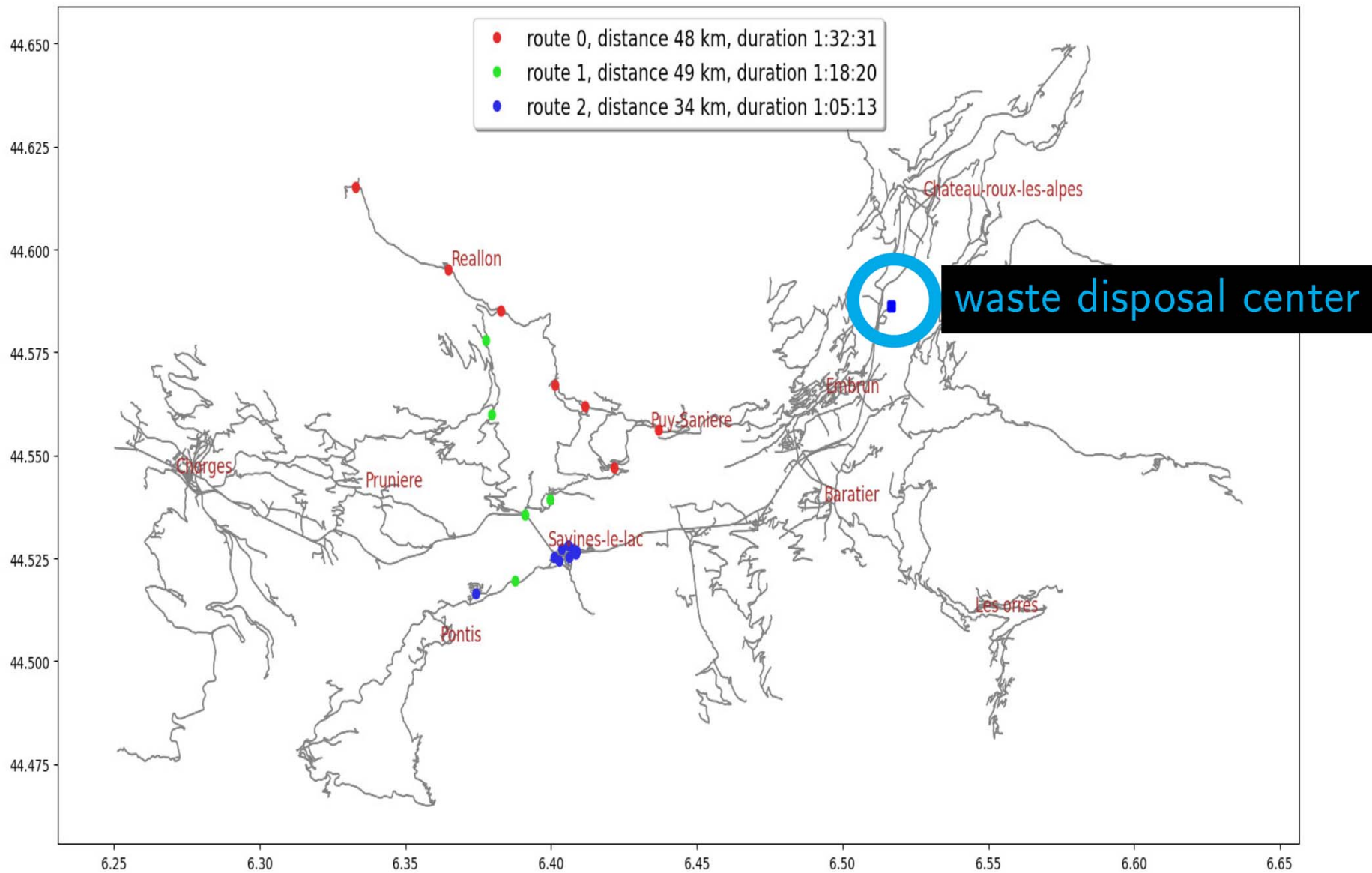
328 known pickup sites

large artificial lake; one main road, mountain roads

high seasonality

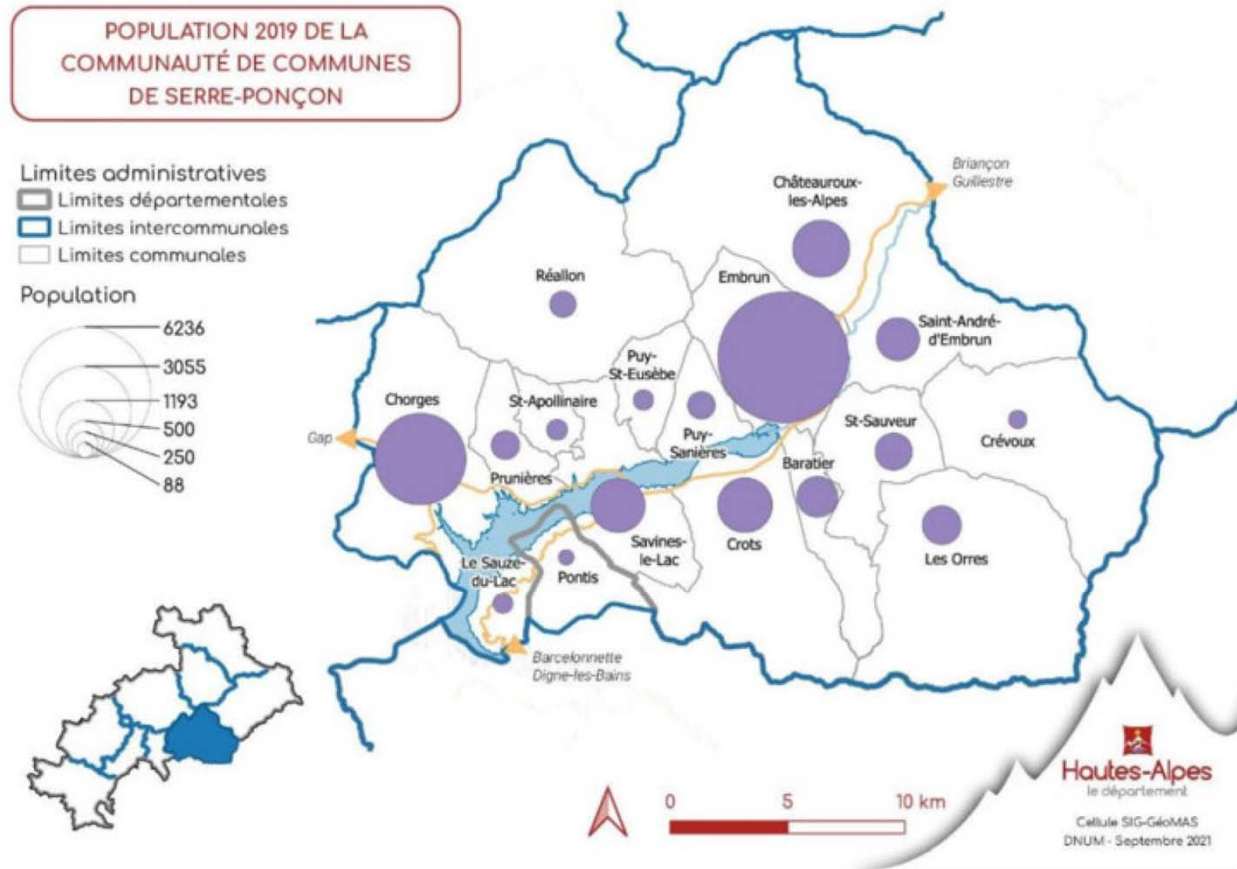


Waste collection around Serre-Ponçon lake



Serre-Ponçon area

Communauté de Communes de Serre-Ponçon



Waste collection (1)

source: Communauté de Communes de Serre-Ponçon (2021), *Rapport annuel sur le prix et la qualité du service public de prévention et de gestion des déchets ménagers et assimilés*.

- one depot (north of Embrun)
- 328 pickup sites (for more than 1000 containers)
 - 98% **domestic waste** (“ordures ménagères”, OM) 4,841 t/yr
 - 95% **multi-material** (“bi-flux”, BX) 1,305 t/yr
 - 60% glass (“verre”) 1,053 t/yr
 - 9% cardboard (“carton”) 62 t/yr
- objectives for 2025:
 - reduce waste by 10% (not relevant for us)
⇒ many actions: training, education, valorization...
 - improve waste recycling/valorization
⇒ **improve waste collection!**

Waste collection (2)

- very high seasonality (+60% !)
population: 16,495 (residents); 26,356 (tourists included)
- inspection tours (out of our scope)
 - 5 utility vehicles
 - 49,000 km/yr (81 km/tour/vehicule), 5,650 liters of gasoline
 - check sites (filling rates) and removes illegal dumping
- waste collection
 - 6 trucks
 - 10,000 km/truck/yr (from 5,000 km to 17,500km)
 - a site is visited from once a day (peak season) to once every 3 months (off season)
- operating expenses: 4,2 M€ (gasoline: 138 k€)

Data instance

- A set of ~300 points over a map
- Over Spring time of year 2023
- For each point, for every day you have an estimation of the waste filling rate