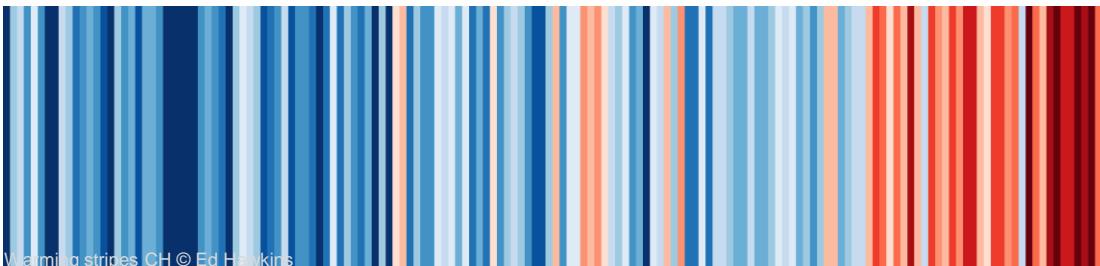




Ville de Lausanne

Sustainability assessment in practice

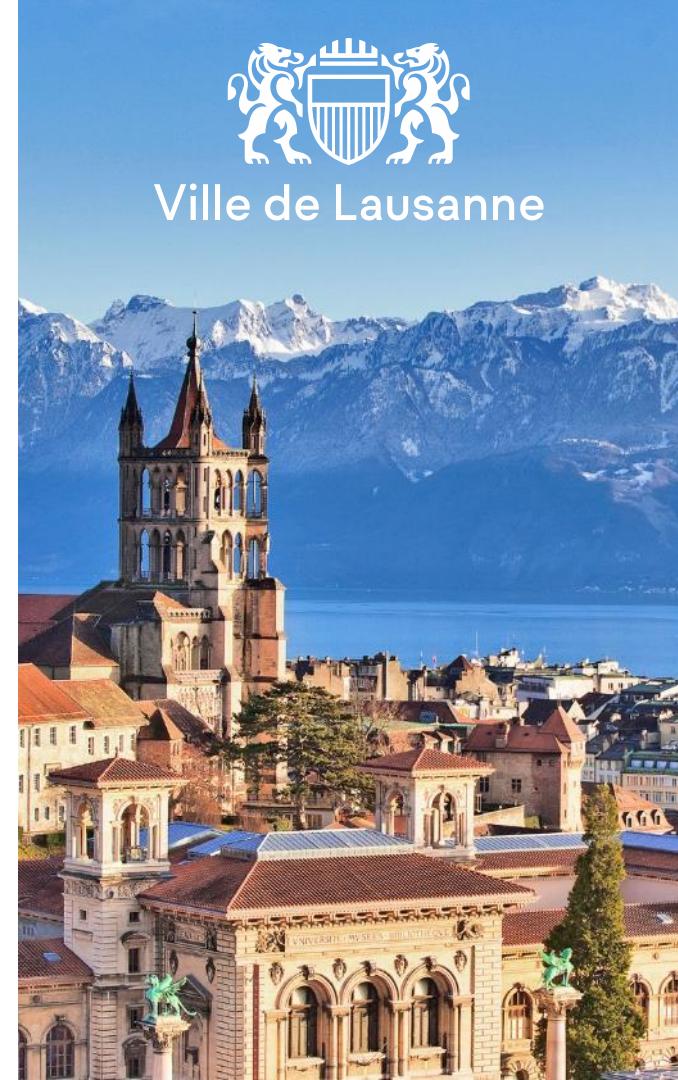
Monitoring of Lausanne's climate plan Why and how?



Warming stripes CH © Ed Hawkins

14.05.2025

Denis Bochatay | Bureau climat et durabilité



Climate Plan of the Ville de Lausanne



- Strategic document
- Co-creation with many services across the City administration
- Validated by the Municipality and the City Council (May 2021)

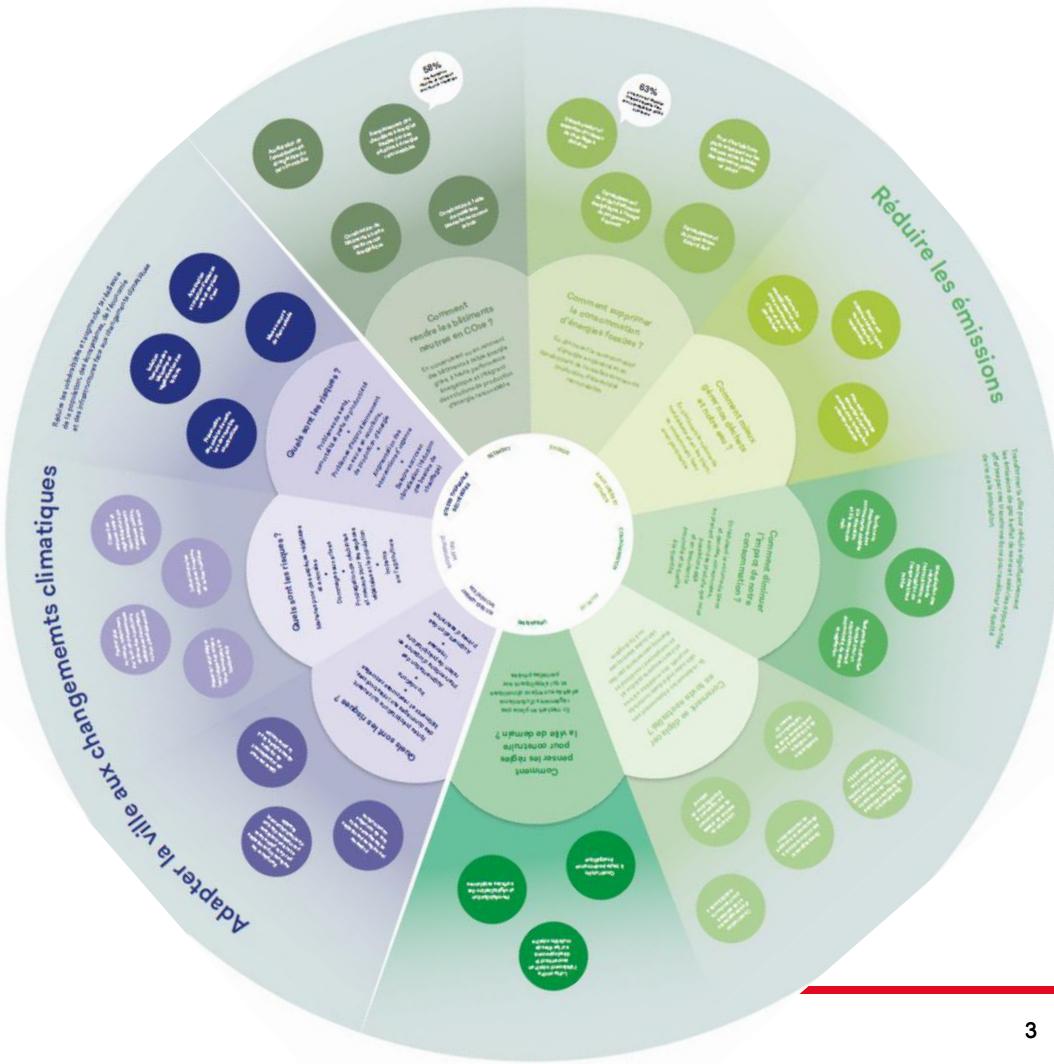
- Give quantitative objectives at the territorial level and at the organisation (administration) level
- Creation of the climate unit

Climate plan – two parts

Mitigation

Adaptation

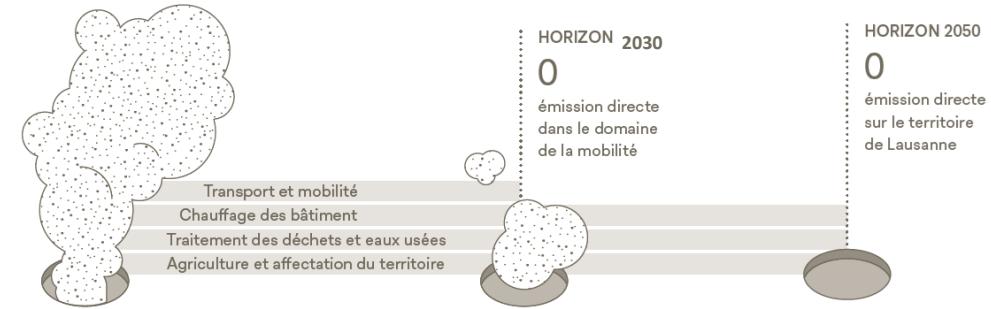
+ participation



Climate plan – various (types of) objectives

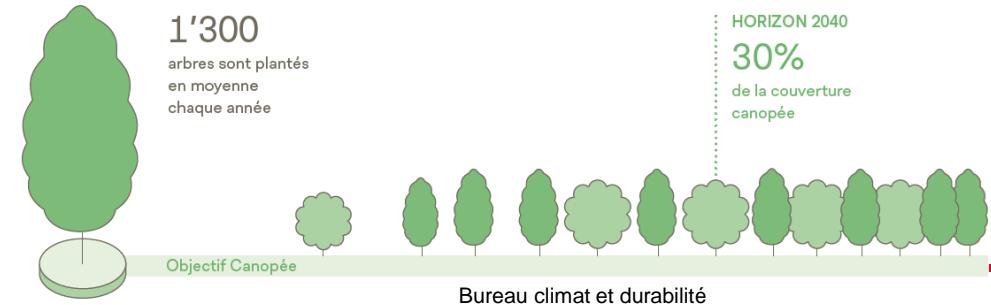
Macro objectives

- Alignment with Paris Agreement (net zero in 2050)



Sectorial objectives

- Building renovation rate to 3.3% per year
- Canopy cover of 30% by 2040
- ...



Missions of the climate team

Innovation and development

Monitoring

«Quality insurance»

Communication

Why?

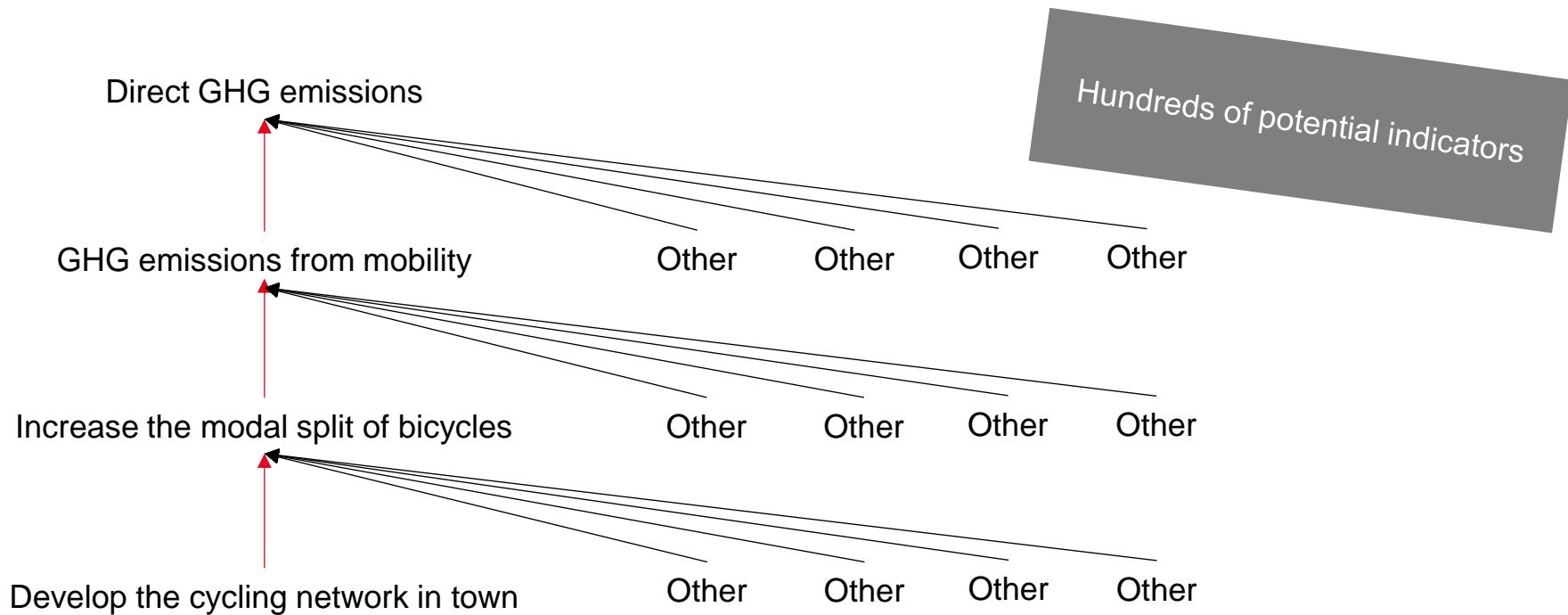
- Pilot public policies
 - Define, guide and assess
- Facilitate internal and external communication

→ Various levels of information according to various audiences

Defining which information shall be monitored and shared

- Importance of information with the upper objective (net zero by 2050)
- Reliability of the chain of causality to the upper objective
- Availability of the data
- Reliability of the data
- Relevance of the indicator for your audience
- (Alignment with other Swiss Cities and States)

Multiple chains of causality to achieve the main objective



Defining which information shall be monitored and shared

- Importance of information with the upper objective (net zero by 2050)
- Reliability of the chain of causality to the upper objective
- Availability of the data
- Reliability of the data
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Two sets of indicators

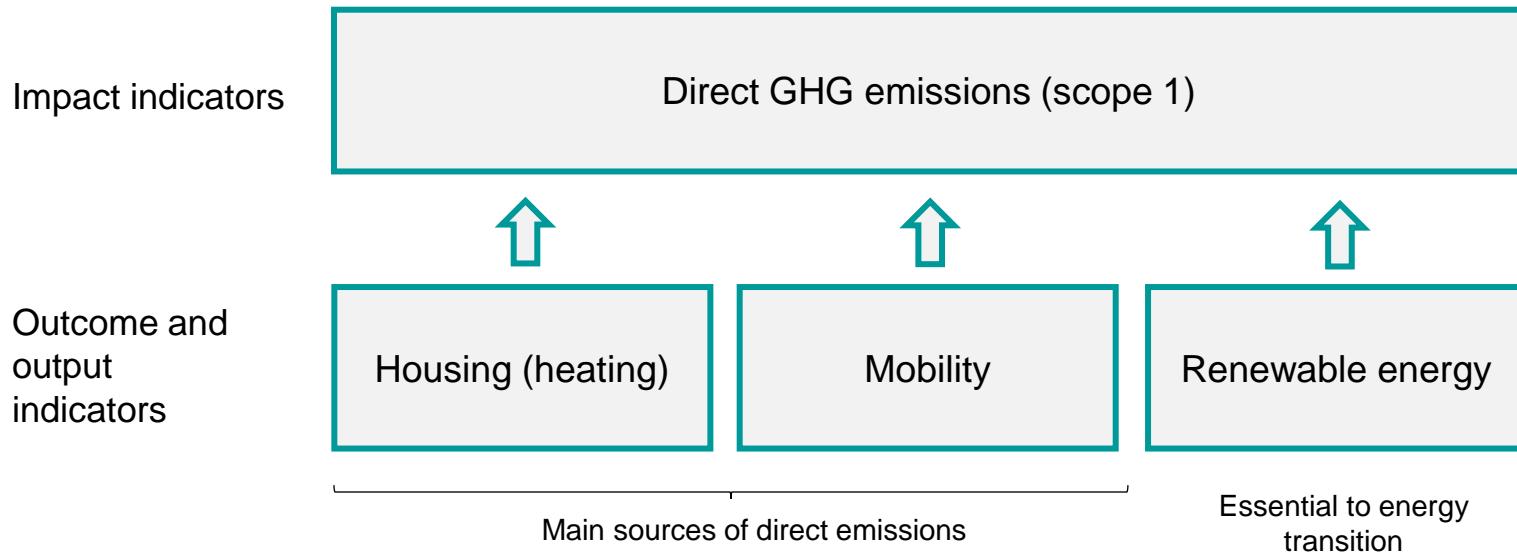
Main set

- Main sectors in relationship with our objective (0 direct emissions)
- Strong causality with GHG emissions
- Quantitative targets set
- Used for assessments dedicated to decision makers (Municipality)
- Annual
- Published

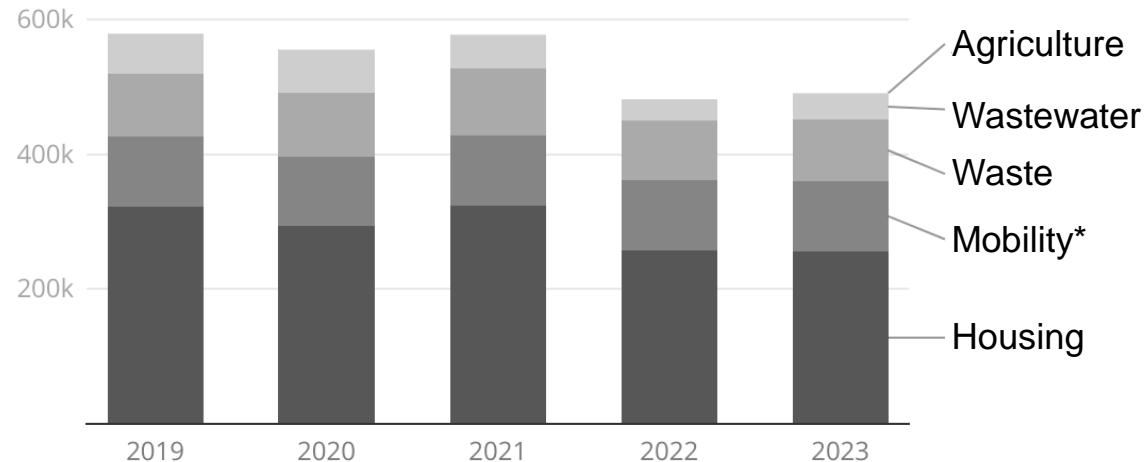
Additional set

- All sectors
- Less important in term of GHG, but important for other aspects (social aspects, collaboration with services less involved)
- “Not ready yet” information
- Internal

Main set of indicators



Direct GHG emission (city-wide)



Unité: t CO2e. * = Estimé chaque 5 ans

Source: Ville de Lausanne

- “THE” indicator, corresponding to the climate plan main objective

Evolution of modal split

Evolution 2015-2021

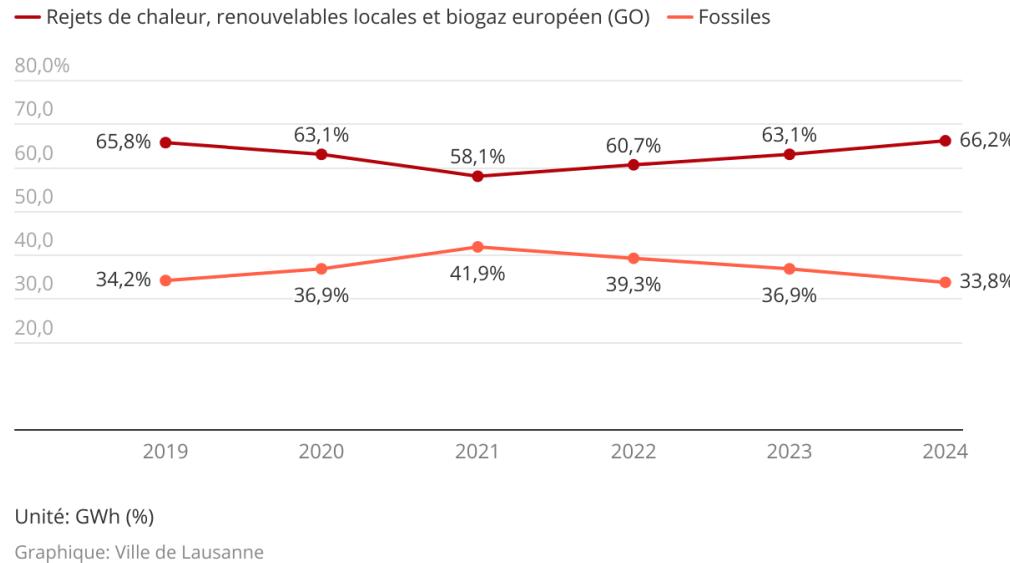


Unité: %

Graphique: Ville de Lausanne • Source: Micro-recensement mobilité et transport • [Récupérer l'image](#)

- Needed to assess direct GHG emissions of mobility
- Key indicator to pilot mobility public policies, where private and public actions co-exists

Share of renewables into urban heating district



- Needed to assess direct GHG emissions of urban heating district
- Direct action of the administration

Difficulties, limits and key aspects

- Access to reliable data
- ... at a reasonable cost
- Define the right level of complexity according to your audience
- Organise a project involving many City services



Questions?