



Pully under the microscope

EPFL Sustainability assessment

14 mai 2025



Unis pour des
villes intelligentes
et durables



Cercle
indicateurs



Set d'indicateurs
pulliérans



Approach

Initiative «United for smart and sustainable cities»

«Measuring to manage the development of smart and sustainable cities»



+

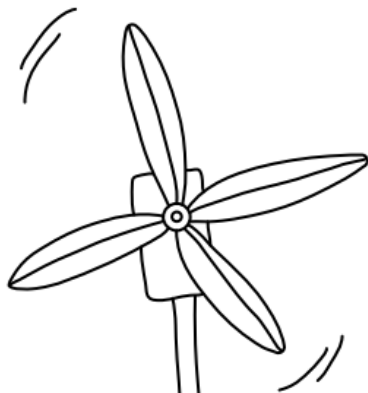
15 United Nation
agencies



Raw results



KPIs presentation



**Proportion of renewables
in electric energy**



98.7%	in 2021 — 59.8% in 2017	↗
🎯	100% (Vaud Legislature Program 2022-2027)	
🏠	Measured at local level	
🌐	U4SSC and Cercle indicateurs indicator	

Dimension

Catégorie

Public space
and nature

Degré d'atteinte

Sous-catégorie

GREEN AREAS

Nesting bird species are an excellent indicator for biodiversity, as they depend on the presence of trees, water bodies and insects. Pully scores lower than the mean of the cities in the Cercle indicateurs on this point, indicating only a moderate degree of biodiversity. It is not possible to compare this with the data from 2016 directly, because the method of calculating scores for the indicators Green areas, Protected natural areas and Green area accessibility has changed. Nonetheless, it is estimated that the score for these indicators has not changed significantly between 2016 and 2021

Actions of the municipality

- | | |
|--|-----------|
| ✓ Create a subsidy programme to give financial support to plantations aimed at an ecological improvement on the private green areas situated within the municipality | Ongoing |
| ✓ Adapt park maintenance and management practice to promote biodiversity | Permanent |



Green areas



425.6 ha	equivalent for 19 000 inhabitants of Pully in 2021
≡	2 945 ha per 100 000 inhabitants (U4SSC figure)
↔	45 ha for 19 000 inhabitants (OFS)
⌘	Measured at local level
Ⓢ	U4SSC indicator



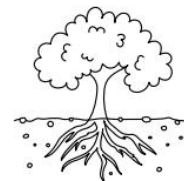
Tree cover



17 %	of urban area in 2021
↔	30% (City of Lausanne's 2030 canopy objective)
⌘	Measured at local level
Ⓢ	Local indicator

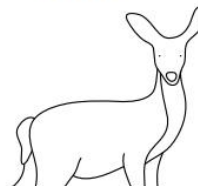
Ecologically significant
land surface

17.89 %	of the city's land surface in 2021
↔	12.1% (average for cities participating in Cercle indicateurs)
⌘	Measured at local level
■	Cercle indicateurs



Unsealed land surface

53 %	of urban zone in 2021
—	Target figure not available
⌘	Measured at local level
Ⓢ	Local indicator



Protected natural areas



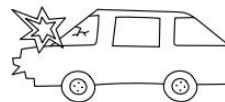
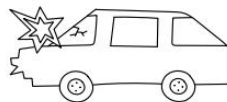
43 %	of the surface area of Pully (including forest) in 2021
↔	30% (Convention on Biological Diversity (CBD), objective "30 by 30")
⌘	Measured at local level
Ⓢ	U4SSC indicator

Nesting bird species



64	bird species nesting in Switzerland and found in the built-up areas of the municipality in 2021 (0 = weak diversity; 100 = high)
↔	79 (average for cities participating in Cercle indicateurs)
⌘	Measured at local level
■	Cercle indicateurs





Traffic accidents



29	for 19 000 inhabitants in Pully in 2021
■	153 per 100 000 inhabitants (U4SSC)
↔	38 per 19 000 inhabitants (Swiss average, OFS, 2021)
📏	Measured at local level
📍	Cercle indicateurs

Traffic fatalities



0	for 19 000 inhabitants in Pully in 2021
	— 0.2 in 2016
■	0 per 100 000 inhabitants (U4SSC)
↔	0.4 per 19 000 inhabitants (Swiss average, OFS, 2021)
📏	Measured at local level
📍	U4SSC indicator



Accidents involving two-wheelers



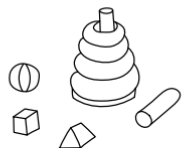
10	for 19 000 inhabitants in Pully in 2021
■	53 per 100 000 inhabitants (U4SSC)
↔	8.5 per 19 000 inhabitants (average for the canton of Vaud, 2021)
📏	Measured at local level
📍	Local indicator

Info box

Traffic safety education in schools



The east Lausanne police conduct prevention campaigns with presentations in schools. In 2021 such awareness-raising presentations were made in 92 classes, reaching some 1870 pupils.



Childcare availability



23.4 % of preschool children had access to care in 2022 — 29 % in 2016 ↘

③-④	37 % (Pully municipality)
⌘	Measured at local level
③ ④	U4SSC and Cercle indicateurs indicator

Daycare applications



37.4 % of preschool children were waiting for access to daycare in 2022

③-④	0 % (Pully municipality)
⌘	Measured at local level
③	Local indicator



Education support



4.4 % of children were in temporary education facilities in 2021

③-④	0 % (Pully municipality)
⌘	Measured at local level
③	Local indicator

Political orientation

"In recent years daycare facilities have depended on the availability of suitable building space. With a larger population, there is a need for long-term planning to meet the growing demand."

Jean-Marc Chevallaz
City Councillor in charge of the Directorate of Youth,
Social Affairs and Public Safety

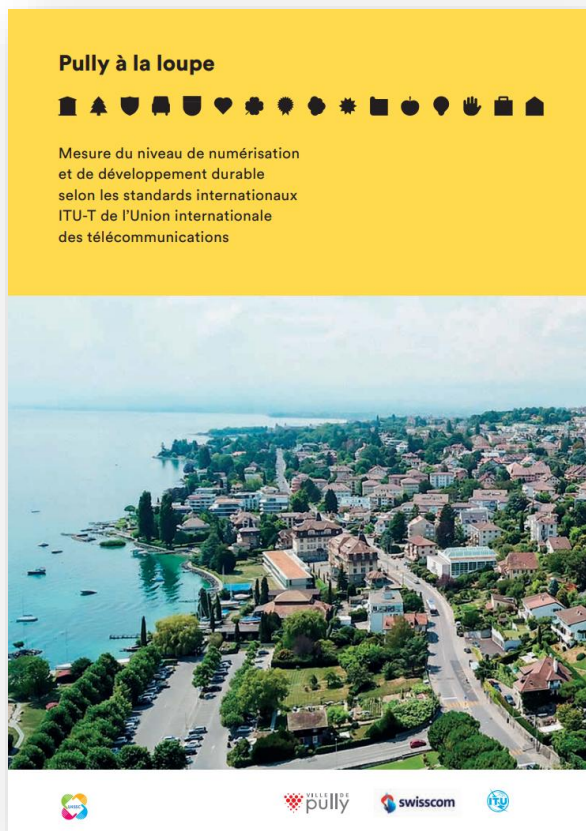
ENVIRONMENT

SOCIETY & CULTURE

ECONOMY

71

First publication of “Pully à la loupe” in 2019





"Pully under the microscope 2019" review

- ✓  Global and transversal vision of the City's activities
- ✓  Materials for the future legislative programme
- ✓  Communication tool (Municipality, citizens, administration, experts)
- ✓  Normalised ITU-T Y.4903/L1603
- ✓  Long-term trend
- ↗  Add certain indicators (sports, finances, social role of the Police, etc.)
- ↗  Making it more operational (medium and short-term trends)



Make it more operational



International
U4SSC
106 KPIs



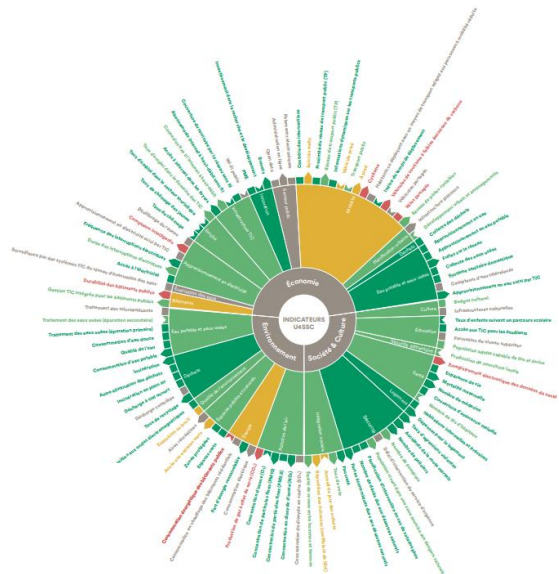
Suisse
Cercle indicateurs
34 KPIs



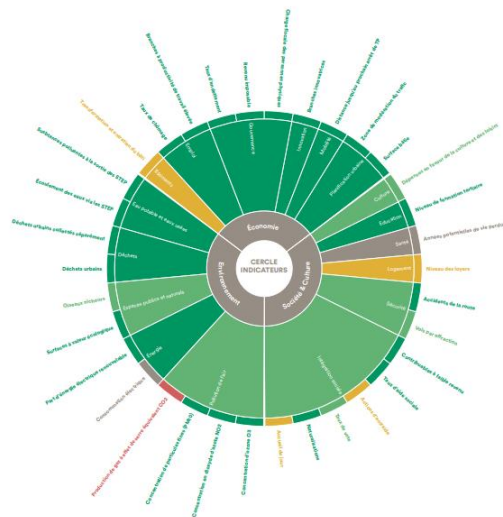
Pully's KPIs
33 KPIs



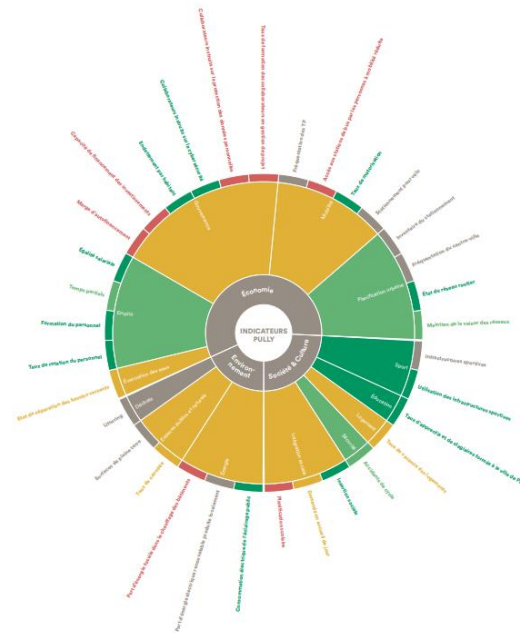
Results



**International
U4SSC**



**National
Cercle indicateurs**



**Local
Indicateurs pulliérans**

Some highlights



Electricity consumption for public lighting



8.3 MWh	per km in 2021
	12.8 MWh per km ("Cités de l'énergie")
	Measured at local level
	Local indicator

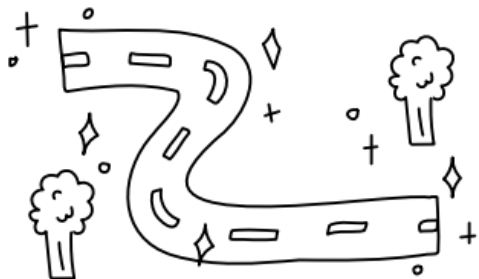


Drinking water use



209 l	per day and per inhabitant on average in 2021 — 217 in 2016	↘
	287 l (Swiss average, OFEV, 2021)	
	Measured at local level	
	U4SSC indicator	

Some highlights



Preventing service grid deterioration



94 % of grid value was maintained during the five years up to 2021



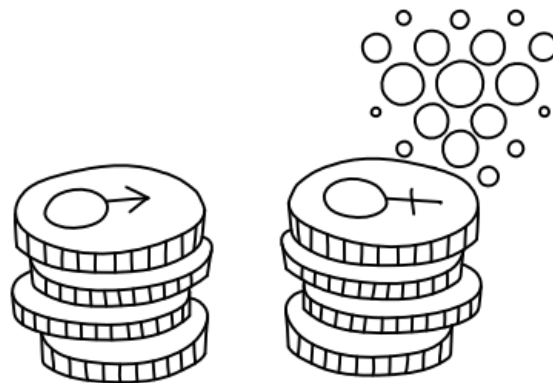
100 % (Pully municipality)



Measured at local level



Local indicator



Salary equity



95 % women's salary by comparison with that paid to men doing the same work in 2021



100 % (LEg)

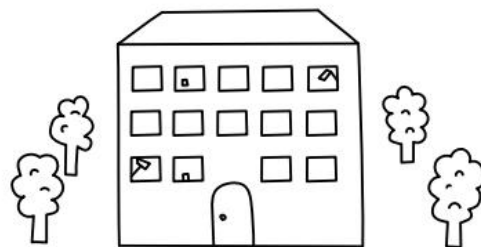


Measured at local level



Local indicator

Potential for improvement



Public building energy consumption

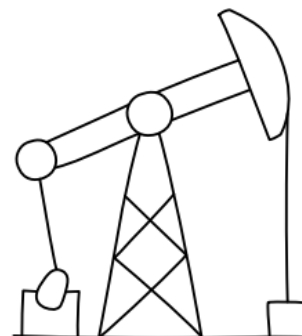


124.9 kWh per m²/year in 2021 — 120.4 kWh in 2015-2016 ↗

🕒 43 kWh/m² (SIA standard 380/1)

🏠 Measured at local level

🌐 U4SSC indicator



Proportion of fossil-fuel energy in building heating



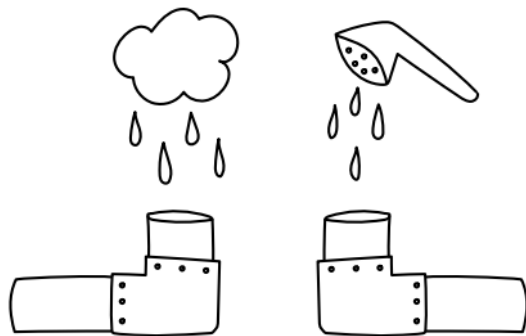
94 % in 2020

🕒 27 % (territorial energy planning, objective for 2035)

🏠 Measured at local level

🌐 Local indicator

Potential for improvement



Segregation of the drainage basins



58 % of drainage basin surface was covered by dedicated collection networks in 2021



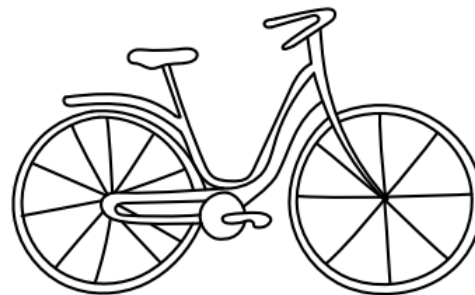
100 % (Pully municipality)



Measured at local level



Local indicator



Cycling



2.5 % of distance travelled in 2021 was by bicycle
— 1% in 2016 ↗



9 % (Swiss average, OFS, 2021)

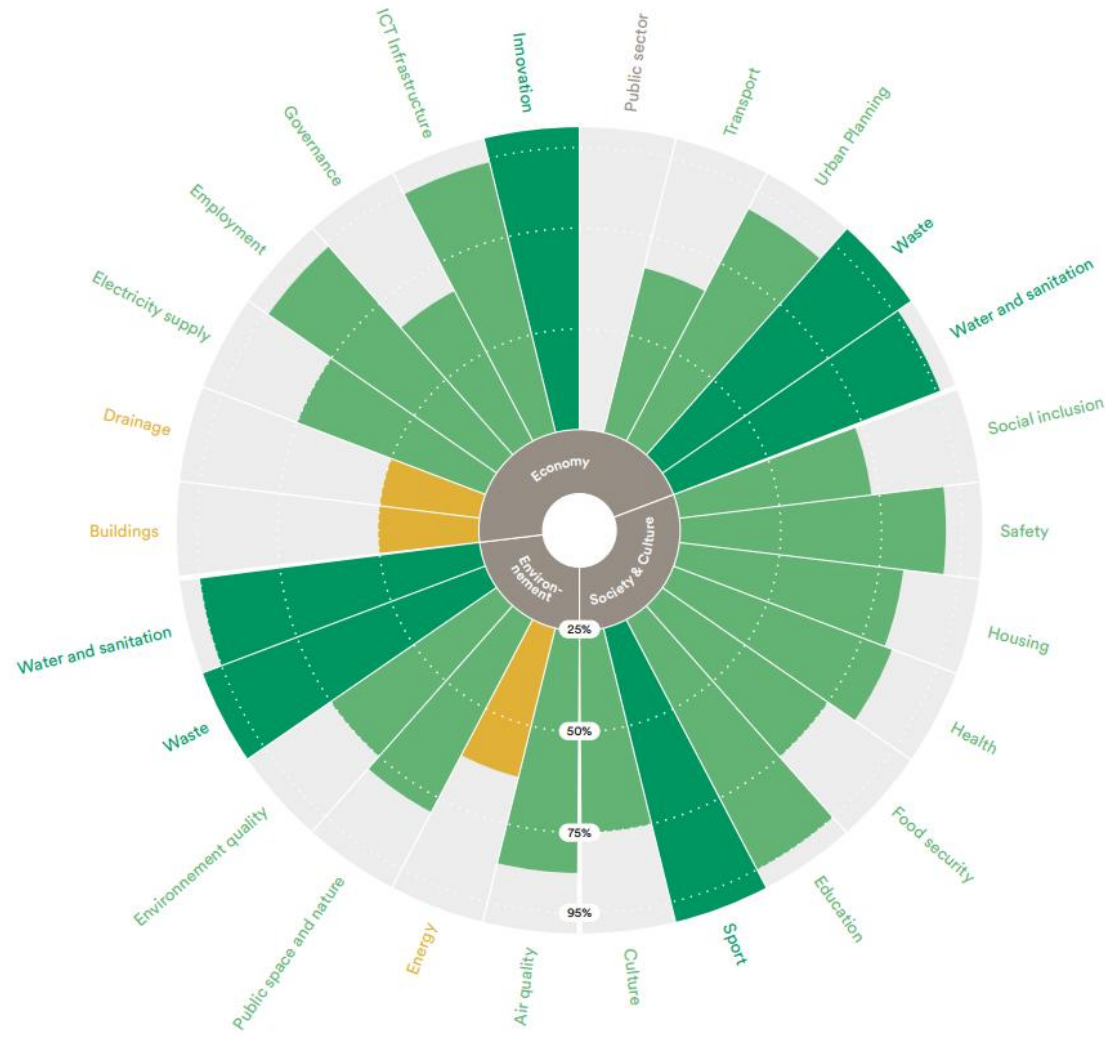


Measured at regional level



U4SSC indicator

Overview

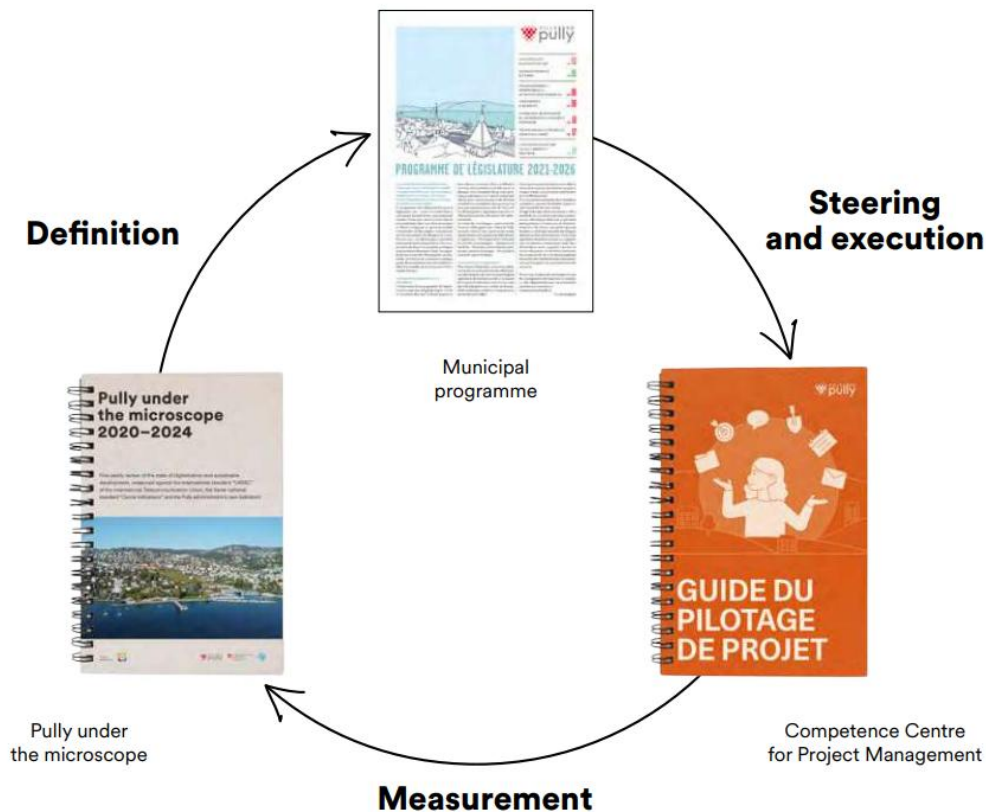


Make it operational



Make it operational

Make it operational “Pully à la loupe”: Global process





Thank you for your attention

Alexandre Bosshard
alexandre.bosshard@pully.ch



Set d'indicateurs pulliérans

Environnement

Consommation de l'éclairage public

Part d'énergie renouvelable produite localement

Part d'énergie fossile dans le chauffage des bâtiments

Taux de canopée

Littering

Surfaces de pleine terre

Société et culture

Infrastructures sportives

Pratique sportive

Part d'apprentis et de stagiaires formés à Pully

Taux de vacance des logements

Accidents de cycle

Insertion sociale

Demande en accueil de jour

Planification scolaire

Economie

Etat de séparation des bassins versants

Taux de rotation du personnel

Formation du personnel

~~Nombre de personnes en~~
télétravail

Temps partiels

Egalité salariale

Marge d'autofinancement

Capacité de financement des investissements

Endettement par habitants

Collaborateurs instruits sur la cybersécurité

Collaborateurs instruits en matière de protection des données personnelles

Fréquentation des TP

Accès aux stations de bus pour les PMR

Taux de motorisation

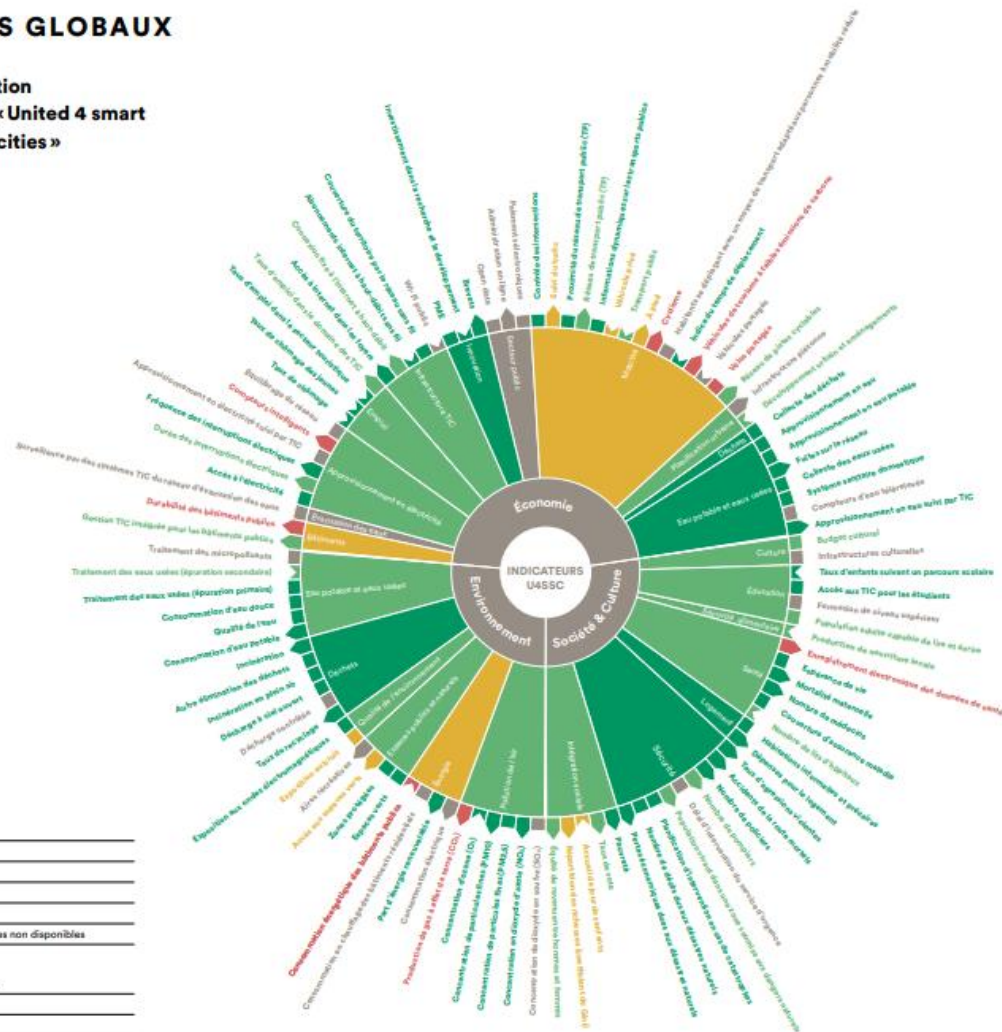
Inventaire du stationnement

Fréquentation du centre-ville

Etat du réseau routier

Maintien de la valeur des réseaux

Mesure et évolution des indicateurs « United 4 smart and sustainable cities »



Progression entre 2016 et 2021

- La consommation électrique a baissé de 11% (p. 25)
- La part d'énergie électrique renouvelable est passée de 60% à près de 100% (p. 27)
- L'équité de revenu entre les hommes et les femmes mesurée à l'échelle régionale est passée de 81% à 94% du salaire médian gagné par une femme par rapport au salaire médian d'un homme pour le même travail (p. 67)
- Les connexions fixes à l'internet à haut débit ont presque doublé pour atteindre 83% des foyers raccordés (p. 89) 
- Les prestations de l'administration en ligne ont vu l'ajout de quatre nouveaux e-services (p. 95)
- Les fuites sur le réseau d'eau potable ont baissé de 4% (p. 113)

Les indicateurs dont la valeur s'est dégradée sont en général le fait de petites variations, comme le traitement secondaire des eaux usées ou de politiques menées à des échelons supérieurs, par exemple le nombre de lits d'hôpitaux ou de phénomènes sans tendance lourde comme :

- La baisse de l'accueil de jour des enfants qui est principalement due au fait de la fermeture de deux établissements privés, dont l'un est en cours de reprise par la Ville, ainsi que de l'augmentation de la population (p. 71)
- L'impact du Covid qui a provoqué une augmentation des déplacements en véhicules privés et une baisse en transports publics (p. 101)