SMART GENEVA INITIATIVE

Patrick Montier

Manager of Smart City
Geneva State

SMART GENEVA INITIATIVE

"We are all actors: being a citizen is not living in society, it is changing it."
— Augusto Boal

Smart Geneva

Presentation

Department of the Territory Information SG-DT
State of Geneva

September 2021

Different visions of a Smart City...

Technological

Using information and communication technologies (ICT) to increase operational efficiency, share information with the public and improve both the quality of government services and citizen welfare.

vs

Human

A set of approaches to make cities more pleasant to live in socially, environmentally and economically while preserving, in particular, resources, health, biodiversity, employment and minimizing CO_2 emissions.

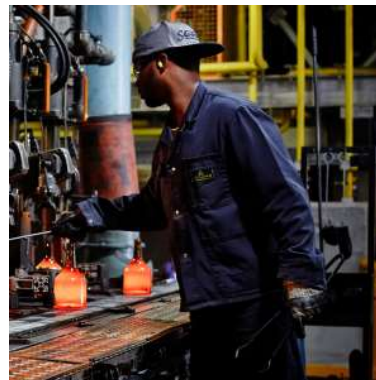# Mobilizing all stakeholders to meet the challenges

Urbanization

- Air / water pollution
- Ressources needs
- Energy needs
- Mobility
- Biodiversity preservation
- Housing

Global Warming

- Urban heart island
- Climate events
- CO_2 emissions

Economy

- Circular economy
- Renewal energy instead of fossil energy

Life quality

- Green spaces
- Health
- Security
- Social inclusion

**Amsterdam, Paris, Vancouver, Vienna, Stockholm…
be inspired by "modern and exemplary" Smart City projects**

**Following the United 4 Smart Sustainable Cities methods
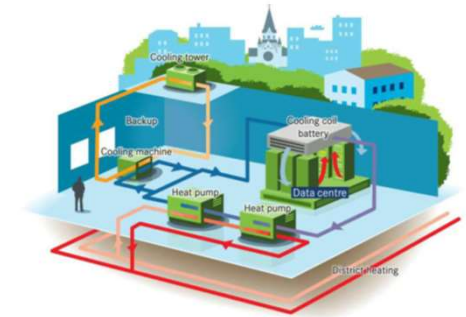(United Nations), already adopted by more than 140 cities**

Smart project examples

Urban farms (Paris)

Goods and services sharing (Gothenburg)

Geothermal energy (Stockholm)

E-mobility (Vienne)

Ecological delivery (Stockholm)

Smart Geneva
Innovating together for a sustainable territory

Promoting innovative projects with real benefits and develop a Smart City ecosystem at the scale of Greater Geneva

Facilitating the emergence of innovative projects by offering support to project leaders

Enriching the territory knowledge and experiment to understand, predict and decide

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POST TENEBRAS LUX

Post your project, open to everyone!

1	Post your project online
2	Detailed evaluation
3	Validation
4	Publication

Etre catégorisé dans au moins un des 5 domaines suivants : Gouvernance, Environnement, Population, Economie ou Mobilité

Etre soutenu ou reconnu par un organisme public local

Etre documenté publiquement avec une identité propre, des objectifs et des mesures

Avoir un caractère innovant

Avoir un objectif de développement durable identifié

Avoir un résultat tangible et exploitable au fil du temps.

Contribuer à un bénéfice environnemental, sociétal et/ou économique, au minimum reproductible à l'échelle d'un quartier sur le grand Genève

Utiliser les ressources technologiques et numériques de manière éthique et responsable

S'appuyer sur une démarche de participation citoyenne pour les projets impactant directement les citoyens

(*) validation according to the rating grid developed by BG21 and review by Horus lab

EPFL

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Innovate in a sustainable, responsible and ethical way

For each implemented "innovation", even digital, it is essential to be able to quantify its environmental cost and to compare it with the reductions that it allows.

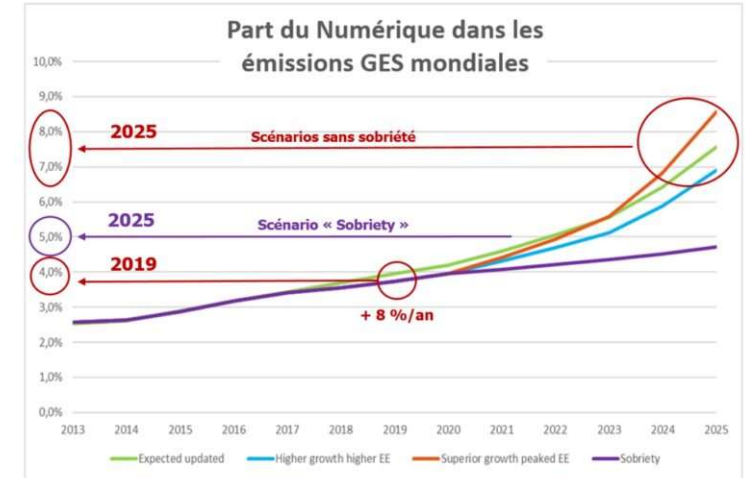All projects must comply with data protection legislation.

Figure 1 : Evolution 2013-2025 de la part du Numérique dans les émissions de GES mondiales
[Source: « Lean ICT – Pour une sobriété numérique » (The Shift Project, 2018)]

2021: the "green IT" mission is carried by the OCEV, the OCSIN, the SCDD and the DIT.
Objective: to reduce IT's ecological footprint and obtain the "Green IT" label.

Globally, digital technology accounts for around 5% of greenhouse gas emissions and almost 10% of energy consumption.

Web plateform & Community of engaged stakeholders

11 projects already published, 4 in progress

- Légumes perches (urban farm)
- Géovélo (soft mobility)
- OVO (cargobike delivery)
- HUG@home (health)
- Potager des nations (urban garden)
- Genilac (geothermal)

- La manivelle (circular economy)
- Impact SIG (crowdfunding)
- Connected bus stop (life quality)
- 1h par m^2 (social equity)
- Mon m^2solaire (renewable energy)

https://www.smart-geneva.ch

Mardi 28 Septembre 2021
18h00 - 20h00
Pavillon SICLI
45 route des acacias - Genève

Soirée SMART GENEVA

Venez découvrir la démarche
SMART GENEVA du Grand Genève et
rencontrer les acteurs du changement

Smart Geneva
Innover ensemble pour un territoire durable
https://www.smart-geneva.ch

Smart City Xperience

LE SALON ACCÉLÉRATEUR DE
PROJETS DE TERRITOIRES

INNOPOLIS
EXPO PARIS 2021

21-22 SEPTEMBRE 2021
PARIS ESPACE CHAMPERRET

Retrouvez-nous
EN VRAI

Stand : 624

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Smart Geneva governance

Extended governance (steering committee and operational meetings) bringing together:

- Members of seven government departments (DCS, DEE, DF, DI, DIP, DSPS, DT)

  - a representative of the municipalities (appointed by the ACG)

  - a representative of SIG

  - a representative of the academic community (UNIGE & HES-SO)

  - a representative of Greater Geneva

  - a representative of Geneva city

- Operational management, coordination and representation of the process ensured by the DT's Territory Information Department

REPUBLIQUE ET CANTON DE GENEVE
Département du territoire (DT)
Secrétariat général
Direction de l'information du territoire

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