

DRI Direction
Recherche
& Innovation



Climate-KIC Festival Innovation

21 -23th October 2013

The challenges of growing urbanization in the cities and local areas in Europe and the world

GDF SUEZ



Optimized management of resources and space
daily and long-term



Local economic development
(attractiveness, competitiveness) in
an increasingly globalized world



Quality of life / well-being of the population
through access to a diverse range of
services (security, health, transport,
education and culture / leisure ...)

Factors of market trends in urban development



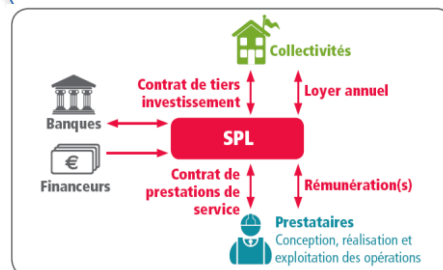
**Transverse approach to urban
Projects (E, Env. & Quality of
life)**



**management of
ressources**



**Enhanced dialogue with
stakeholders**



**Evolution of the regulatory
context**



Trend towards decentralization



Digitization of services

The Smart City : Interconnection of objects, services and people

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Connected Objects : Any Devices ! Any Where ! Any Time

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- Sharing networks communicating through the development of **interoperable information systems and applications**.
- Optimizing services to the city and to its citizens through the development of the concept of collective intelligence **for a best well-being** in the city

Smart technology: a multiform concept for the city of tomorrow

→ The concept of Smart Energy & Environment is central to the functioning of smart cities

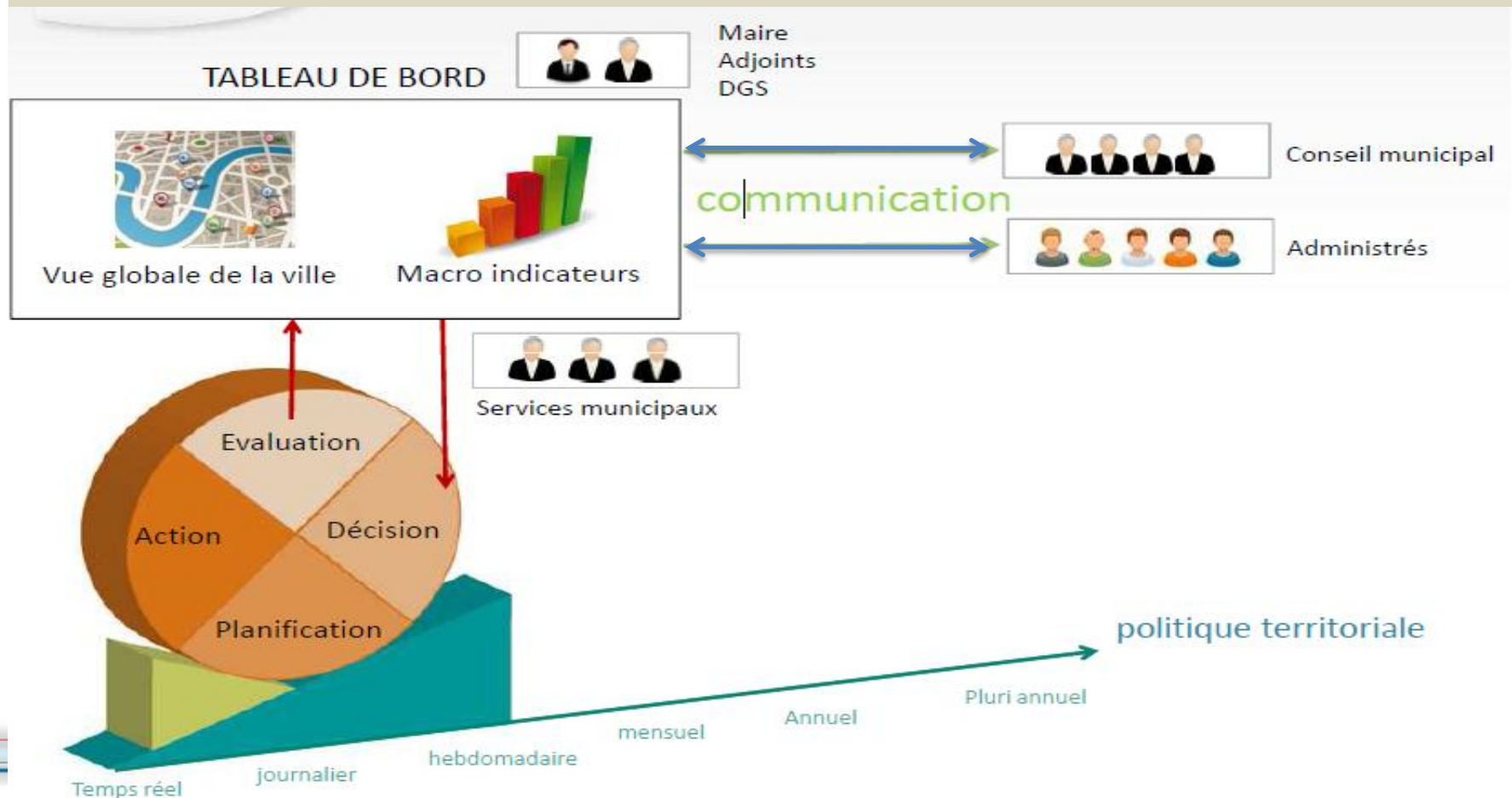
→ But do not limit the smart city to this only concept. Energy infrastructure and environment **will work in association** with other infrastructure, including collectives



Source: Hitachi

The Smart City Dashboard of GDF SUEZ

A pilot service platform developed in partnership with local authorities and putting the citizen at the heart of the device



The Smart City Dashboard of GDF SUEZ

A pilot service platform developed in partnership with local authorities and putting the citizen at the heart of the device

- Courbevoie,
- Barcelone



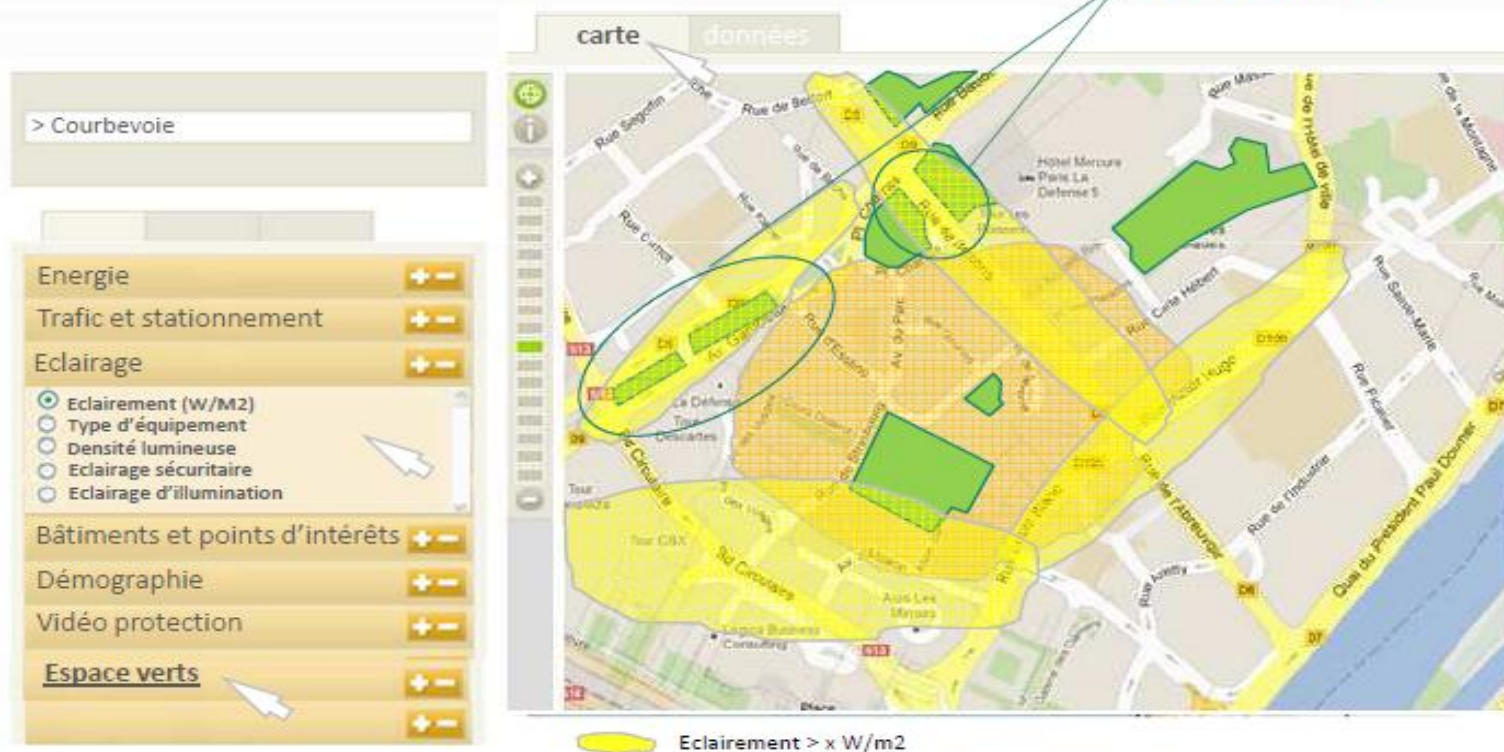
Cas d'utilisation – Agenda 21

[EP+emplacements des parcs]

«développer la biodiversité »

- mettre en place un plan d'action visant à concrétiser la signature par la ville de la charte régionale de biodiversité

Pollution lumineuse



Cas d'utilisation – Agenda 21

[énergie + EP + **démographie**]

“Optimiser l'utilisation de l'énergie”

- présenter la thermographie aérienne de Courbevoie
- réaliser le bilan carbone « patrimoine et service de la ville »
- mettre en œuvre un programme de réduction énergétique de la ville et des équipements de la ville
- étudier la mise en place d'une politique d'approvisionnement en ENR pour la consommation publique



THANK YOU

GRACIAS
ARIGATO
SHUKURIA
JUSPAXAR
DANKSCHEEN
TASHAKKUR ATU
SUKSAMA
EKKHMET
MEHRBANI
MAALIK
KOMAPSUNIDA
GOZAIMASHITA
EFCHARISTO
FAXAAR
YAHANYELAY
MADEKJA
MAITEKA
HIN
SPASIBO
DENKAUJA
HINACHALNYA
TINGKI
BIYAN
SHUKRIA
BOLZIN
MERCY