Covid-19 City Watch

PRIX de L'INNOVATION LAURÉAT SMCL 2020

Monitor the spreading of virus and anticipate epidemic outbreaks through sanitation networks
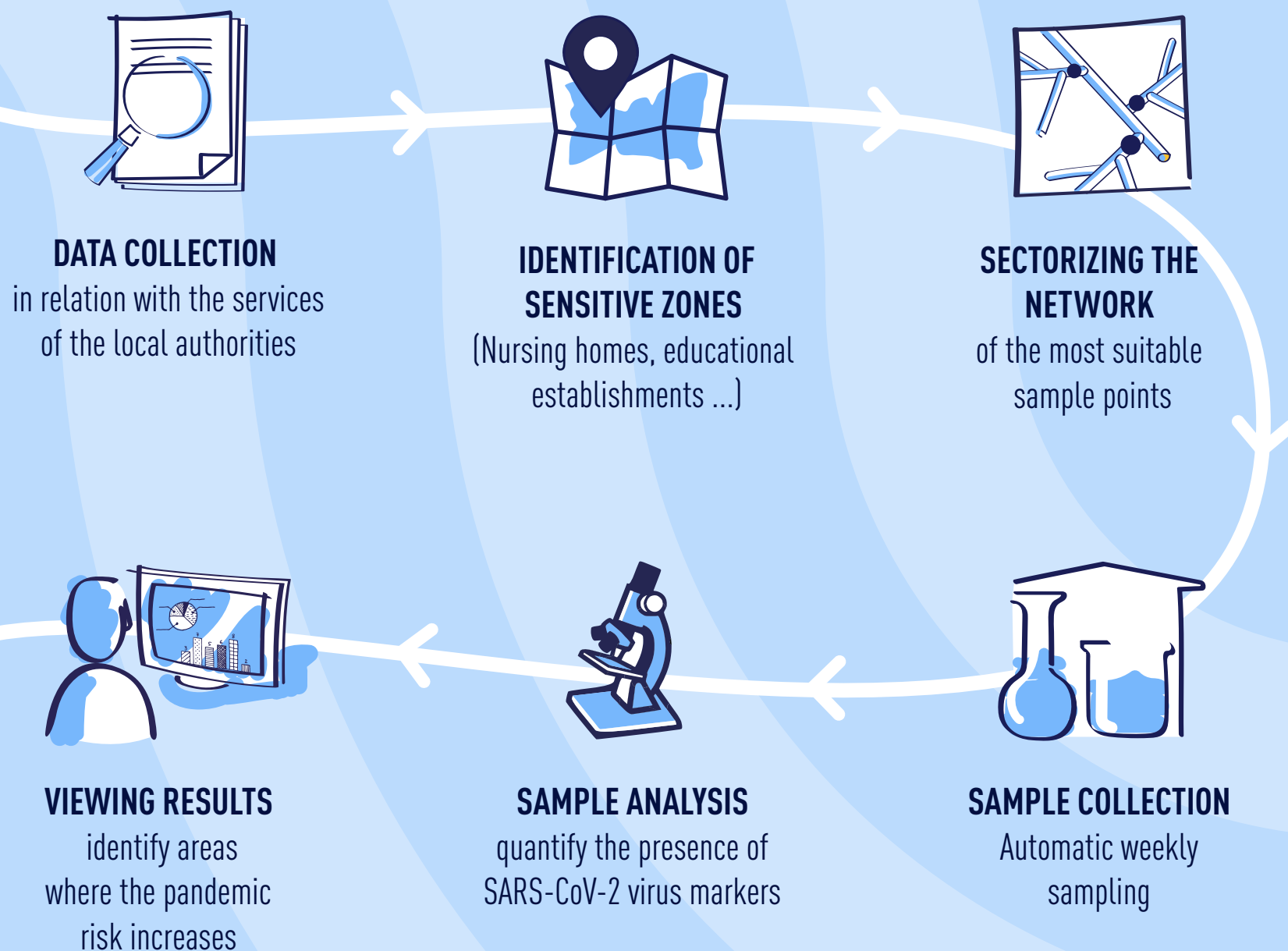
An offer at the disposal of local authorities

Detect and **locate** virus markers in waste water.
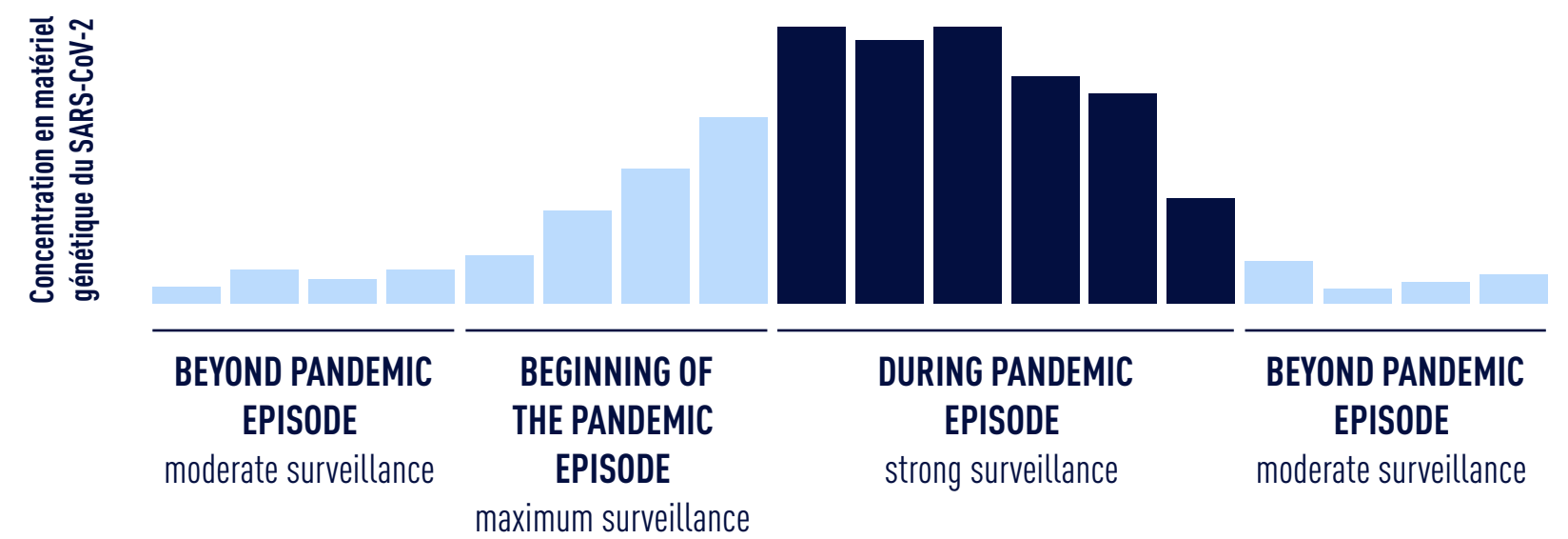
What is the use ?

Take action earlier and locally to restrain the pandemic andrestrain its impact on the economy and the daily life of citizens.
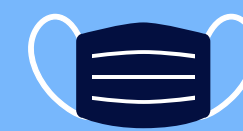
How does it work ?

DATA COLLECTION
in relation with the services of the local authorities

IDENTIFICATION OF SENSITIVE ZONES
(Nursing homes, educational establishments ...)

SECTORIZING THE NETWORK
of the most suitable sample points

SAMPLE COLLECTION
Automatic weekly sampling

SAMPLE ANALYSIS
quantify the presence of SARS-CoV-2 virus markers

VIEWING RESULTS
identify areas where the pandemic risk increases

A customized solution

> **A monitoring level** that adapts to the pandemic situation :

Concentration en matériel génétique du SARS-CoV-2

BEYOND PANDEMIC EPISODE
moderate surveillance

BEGINNING OF THE PANDEMIC EPISODE
maximum surveillance

DURING PANDEMIC EPISODE
strong surveillance

BEYOND PANDEMIC EPISODE
moderate surveillance

> Precise data to support local authorities in establishing their **action plans** :

MONITOR THE HIGH-RISK FACILITIES
(Nursing homes, health centers ...)

SUGGEST PREVENTIVE MEASURES IN ADVANCE
(screening tests, campaigns to strengthen protection gestures...)

LIMIT ACCESS
at certain risk-prone establishment

Key figures

70 cities and 12.6 million people benefit from this solution in **Spain.**

11 municipalities in the greater **Orleans metropolitan area** are implementing the service.

Surveillance strategy (number of sample points, locations) are **adapted to each area** (population, sensitive zones, sectorization) in partnership with the local authorities.

SUEZ takes action for health and quality of life.
This technology was developed with the Obepine consortium.

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