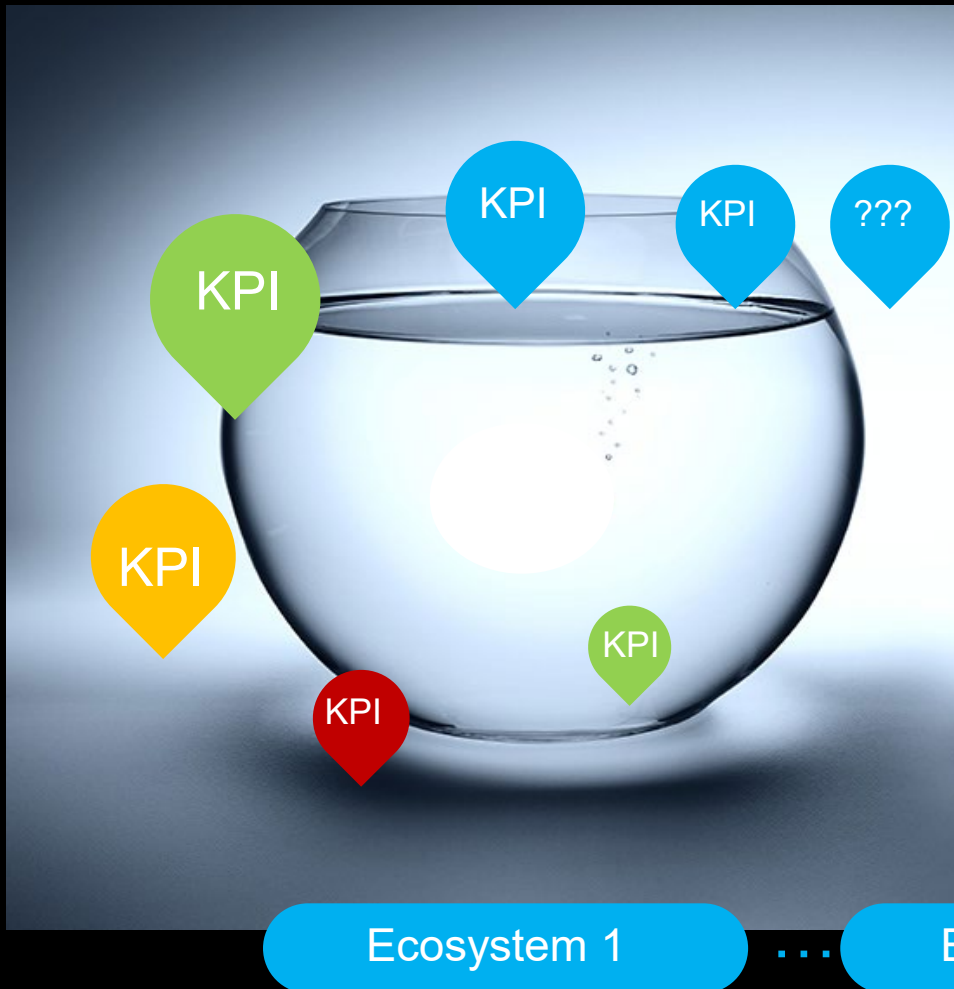


Project idea:

BONSAI:
cross-Border experiments for Open
data testbedS interconnection for
Atlantic Interoperability

Testbeds/Living Labs Today



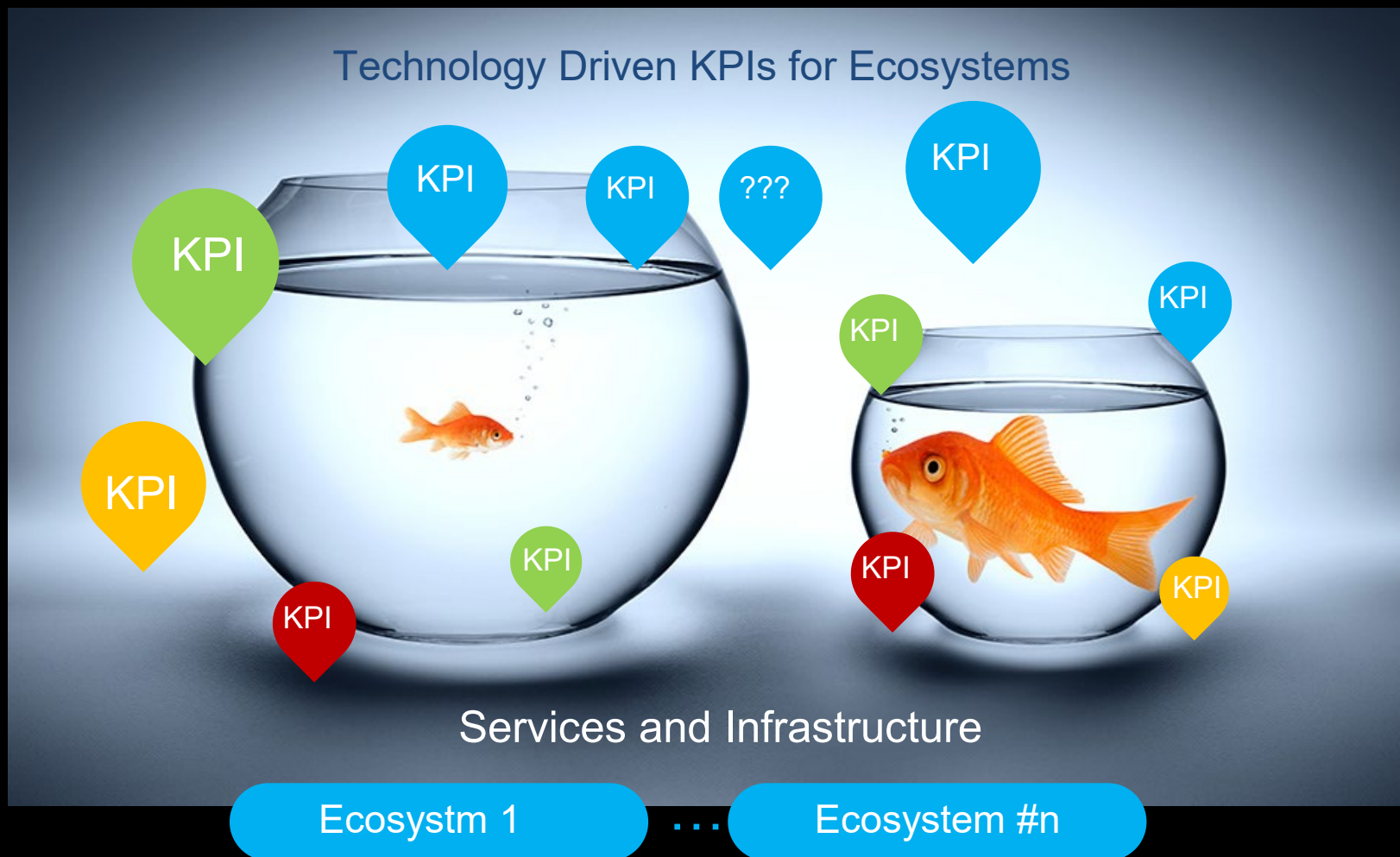
Properties & Characteristics

- Functionalities
- Services
- Operations
- Technology

Key Performance Indicators (KPIs):

- Measuring
- Testing
- Validation
- Scaling Up

Testbeds/Living Labs Today by result of following KPIs

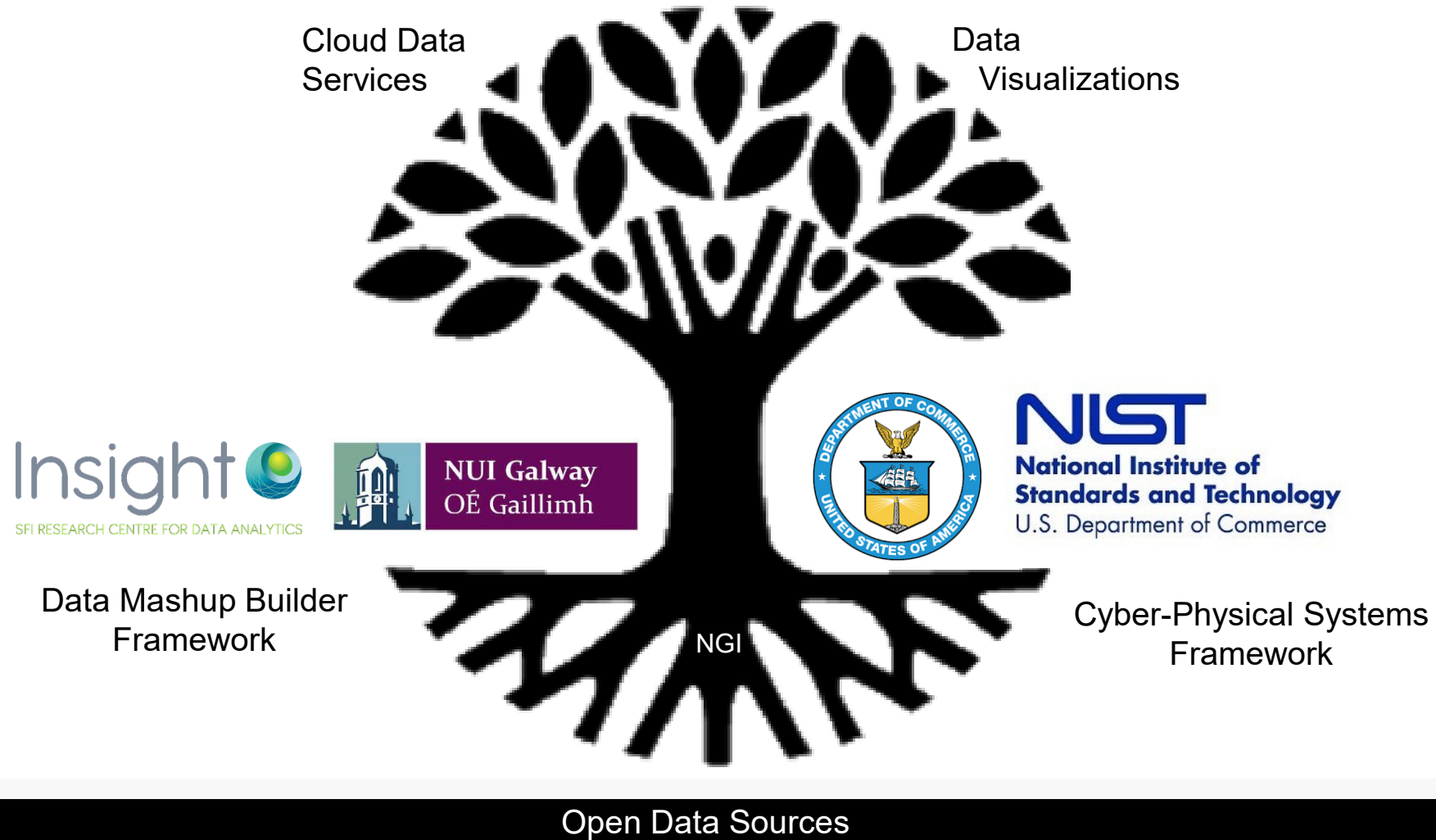


Key Performance Indicators (KPIs):

- Measuring
- Testing
- Validation
- Scaling Up

The use of IoT & Big Data Data to enhance Project idea: Data Exchange and Interoperability

Impact in Community



The use of IoT & Big Data Data to enhance

Project idea: Data Exchange and Interoperability

INTERNET OF THINGS
Future technology concept

SMART CITIES

The Next Generation for Digital Living

BIG DATA

The oil of XXI Century

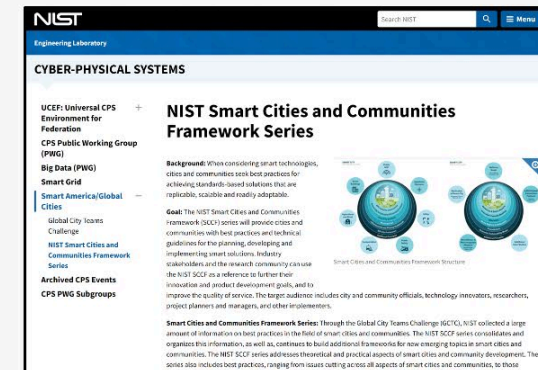
SMART CITIES AND COMMUNITY FRAMEWORK

Holistic KPIs for Smart Cities

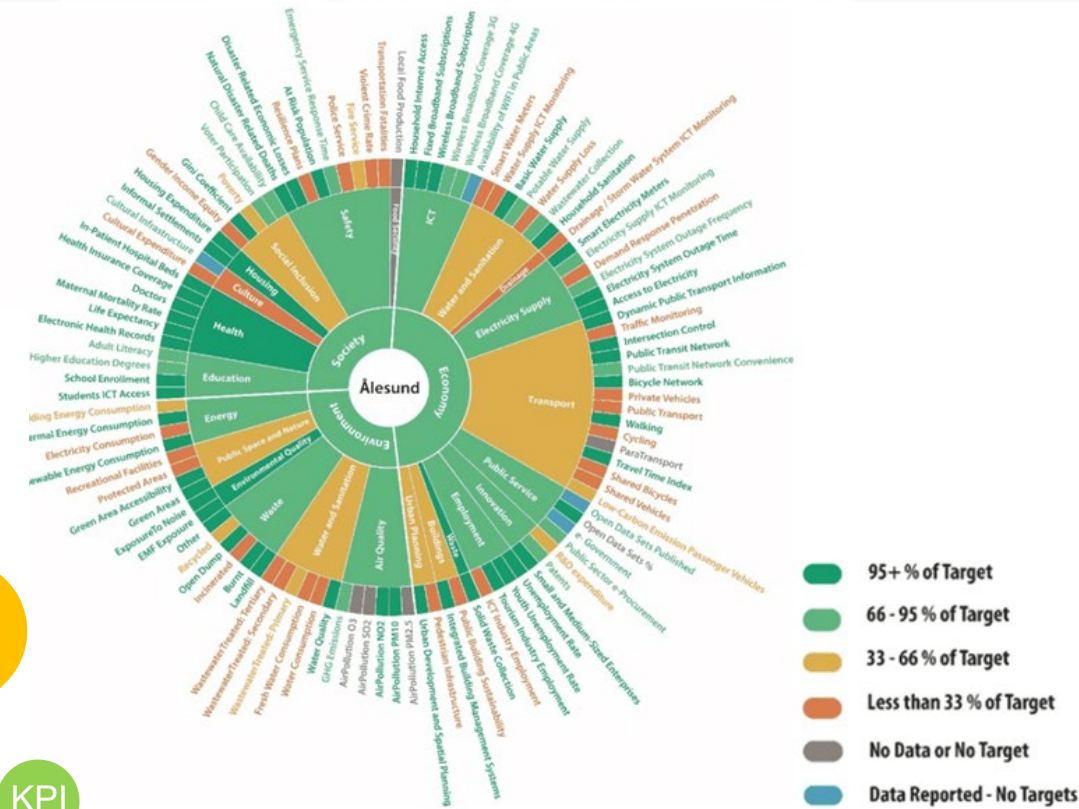
IOT



- Category 1:
Cross-cutting/foundational
themes **Example: KPIs**
- Category 2:
Vertical/sector-specific
themes
- Category 3:
Methods and
implementation
- Category 4:
Case studies



Smart City is like an attractive Fruit Salad



Technology Driven KPIs for Smart City Ecosystems

Key Performance Indicators (KPIs):

- Policy
- Services
- Infrastructure
- Technology



Smart City 1

...

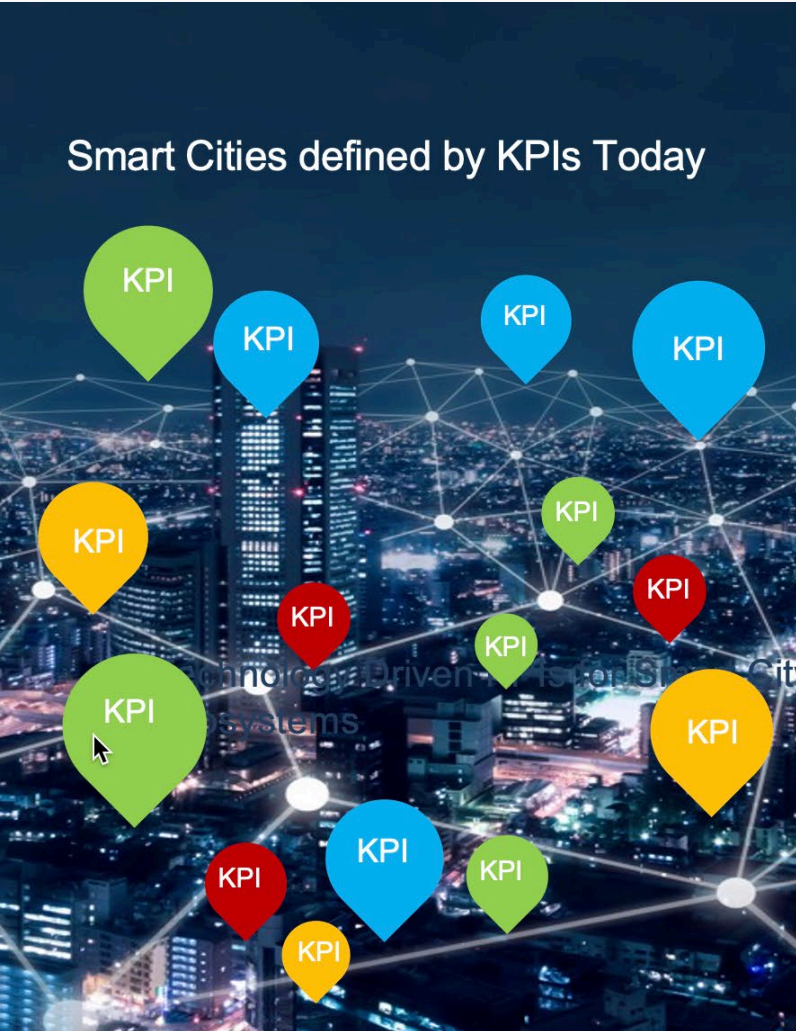
Smart City #n

<https://www.itu.int/>

U4SSC Programme

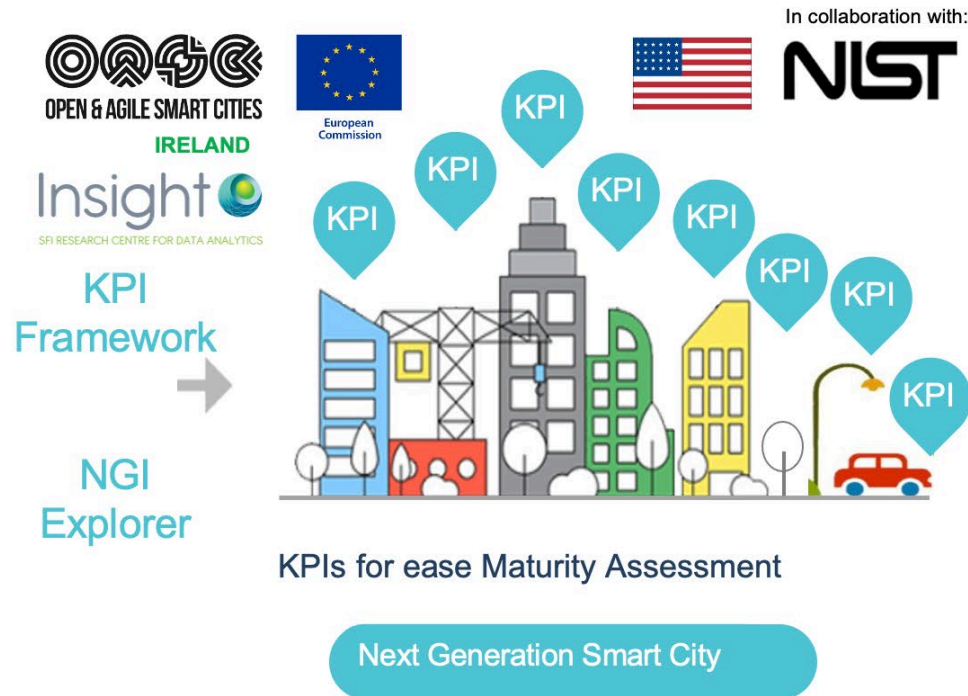
The use of IoT & Big Data to help Project Objective: The Next Generation Smart Cities

Smart Cities defined by KPIs Today

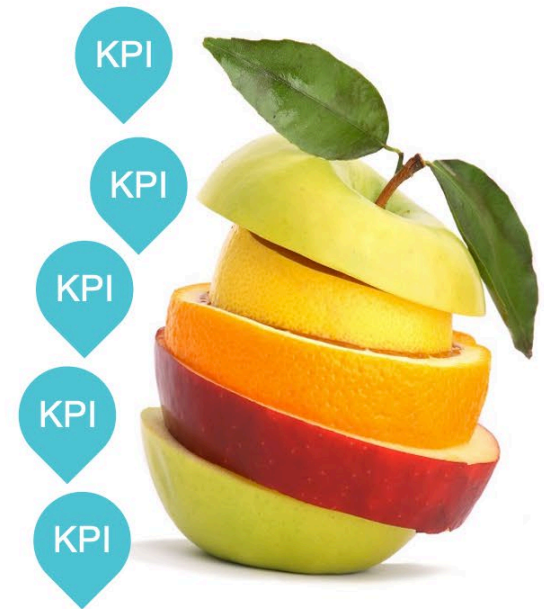


Smart Cities using Scale Up KPIs Explorer Approach:

Holistic KPIs for Smart City



Our Mission:



We are living surrounded of Smart-X



We are living surrounded of Smart-X

KPIs

Key Performance Indicators
Quantitative & Qualitative
Measurements

Services and City Infrastructure

Technology Driven KPIs for Smart City

Smart City 1

...

Smart City #n

- Policy

- Services

- Infrastructure

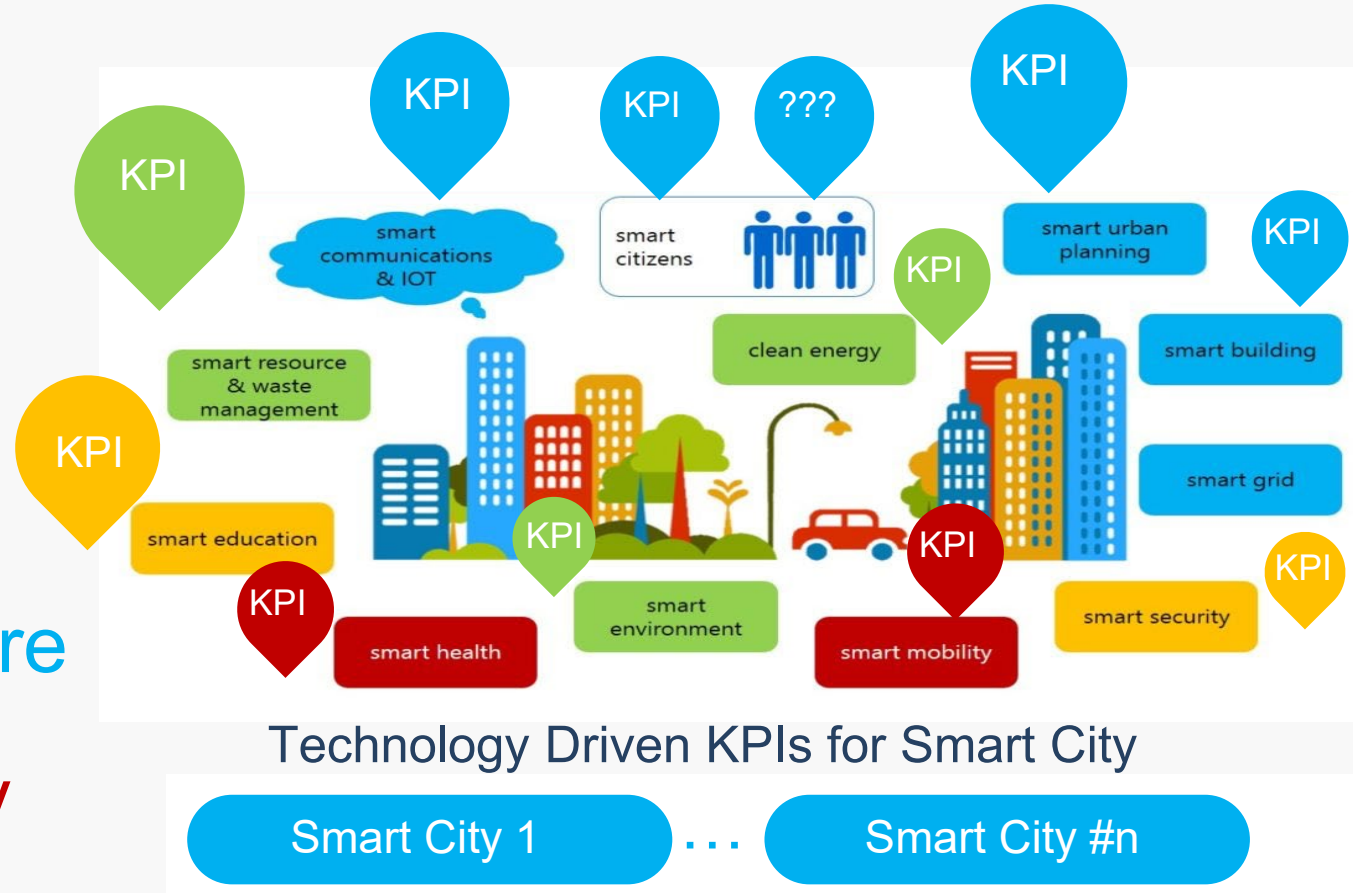
- Technology

#SmartCityAssessmentMethod Today Look like this:

Services and City Infrastructure

Cities by using KPIs Today:

- Policy
- Services
- Infrastructure
- Technology



Our Vision:

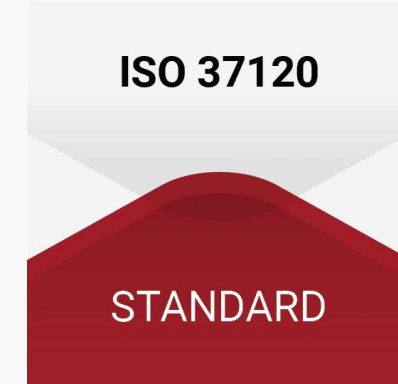
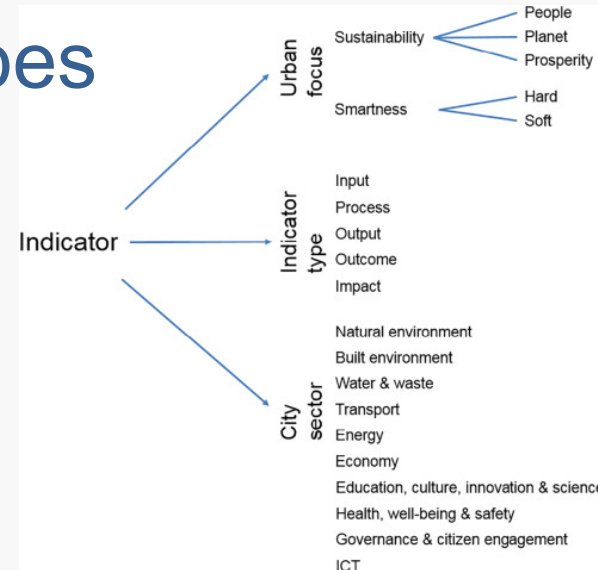
SCC Framework
Holistic Approach

H-KPIs by means
of Technology
and
Big Data
Transformation

#KPIsMeasurementTypes



<https://www.itu.int/en/ITU-T/ssc/Pages/KPIs-on-SSC.aspx>



<https://www.iso.org/standard/68498.html>

Performance

Level 1 – Tech & Capabilities
(i.e. Sensors/System Data)

Evaluation/Assessment

Level 2 – Services & Inf
(i.e. Platform/Services Data)

Impact

Level 3 – Benefits & Applications
(i.e. Applications/Solutions Data)



+

Holistic
Methodology

=

Holistic-CityData Index

Holistic-CityData Quantification

H-KPIs

Performance

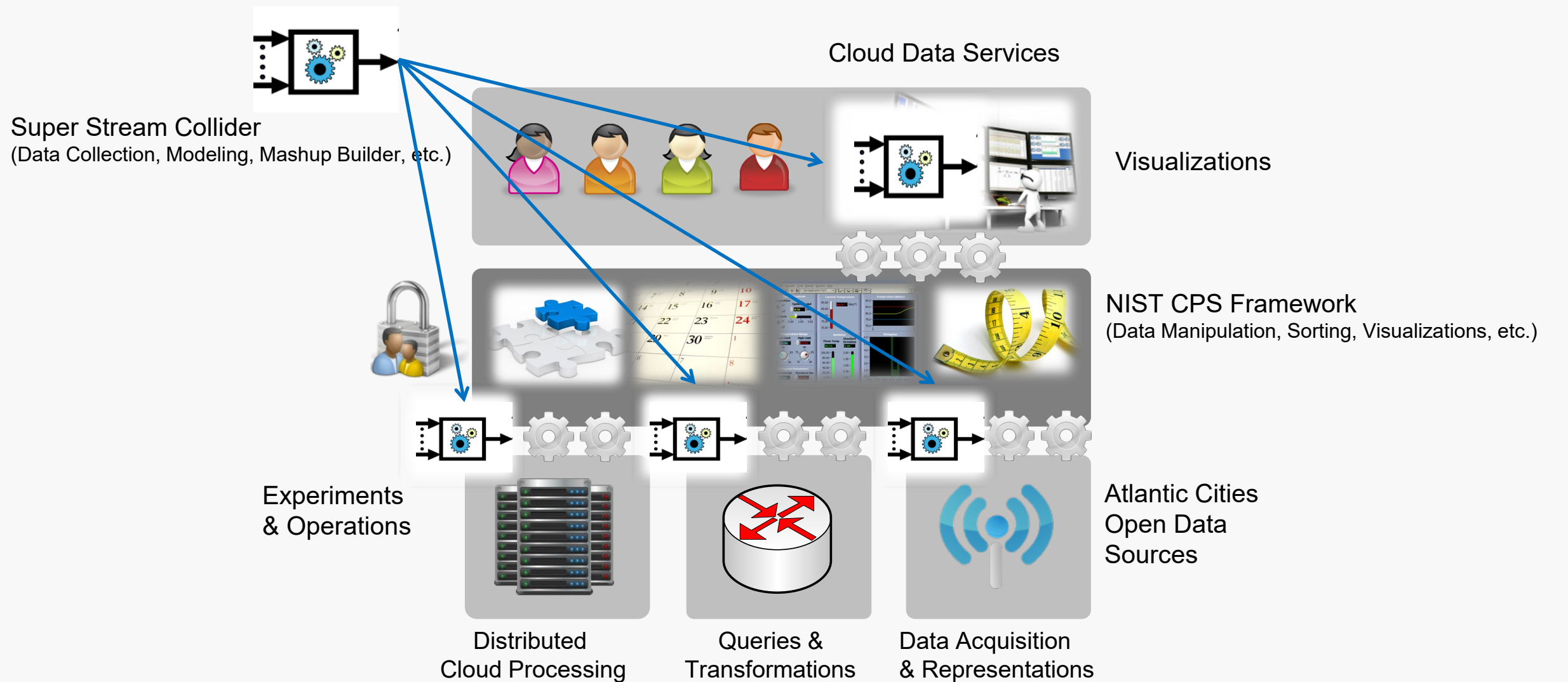
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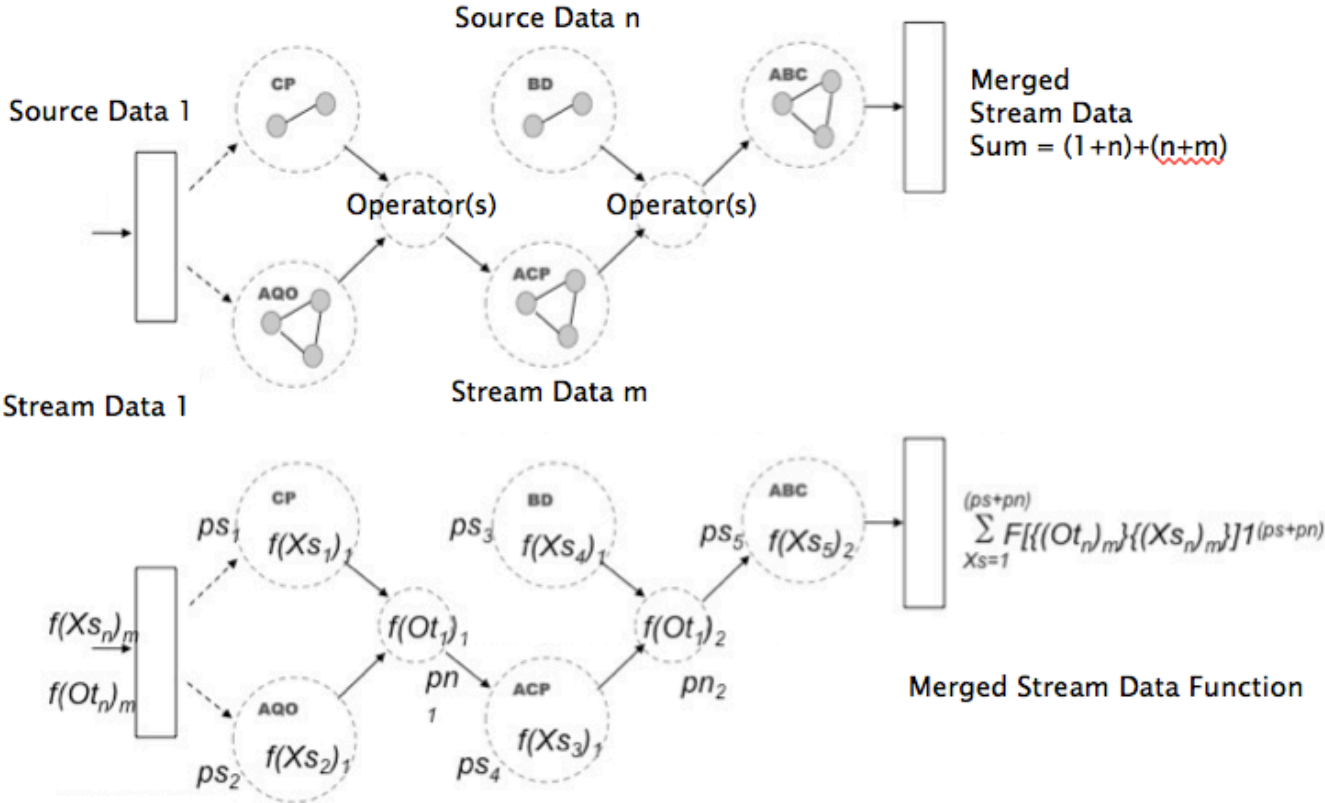
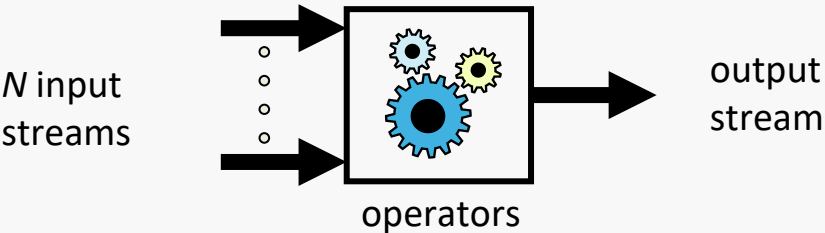
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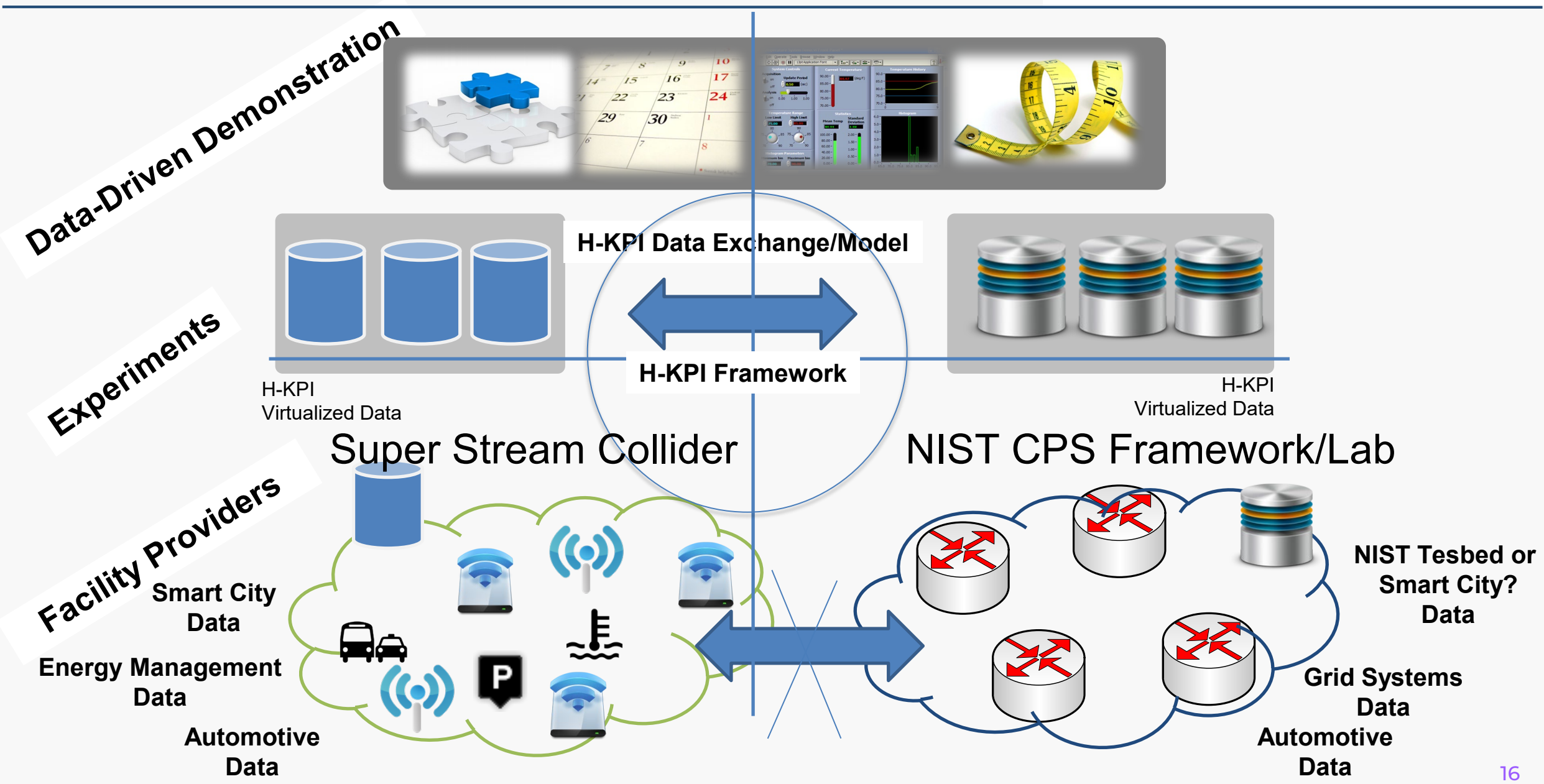
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Impact

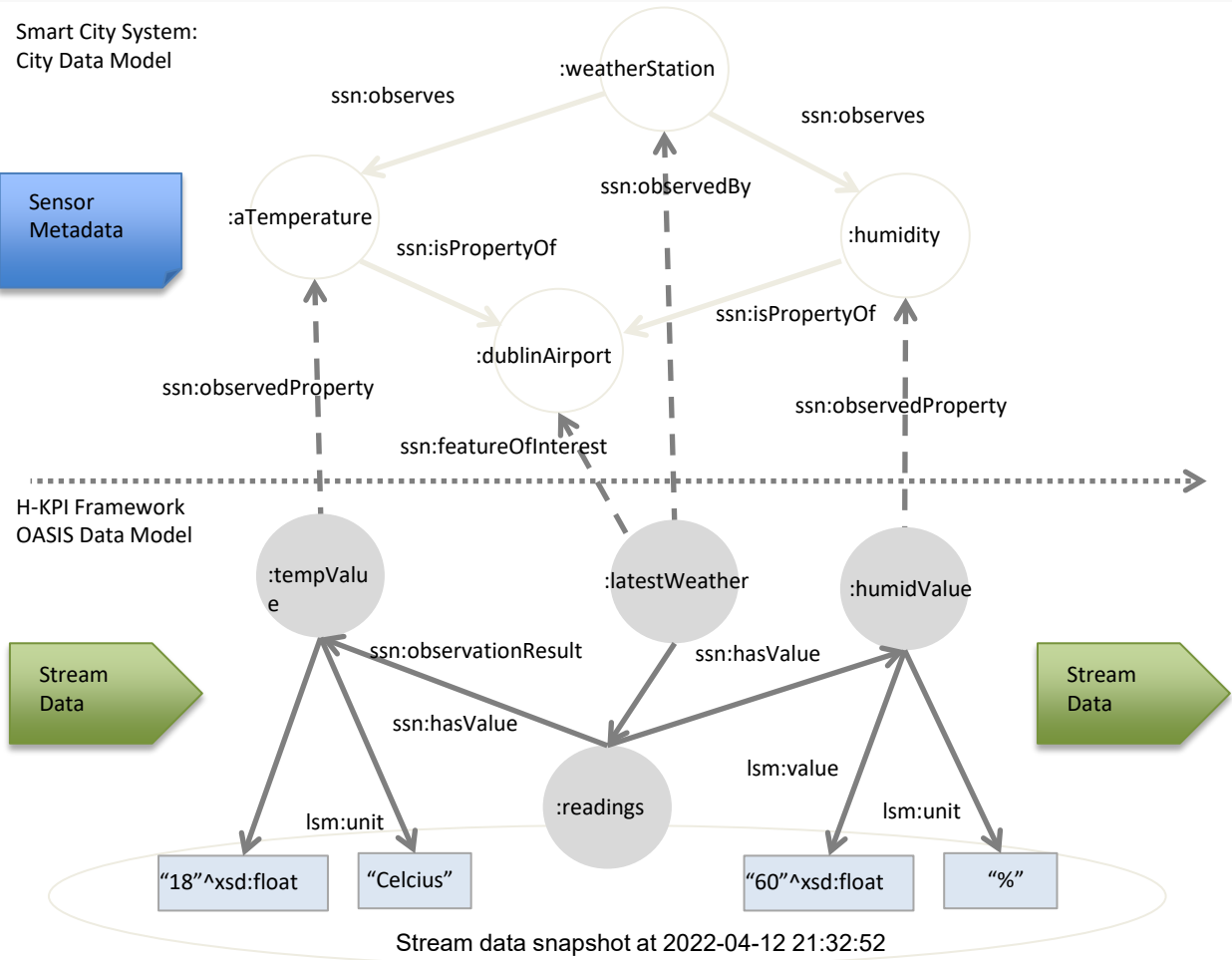
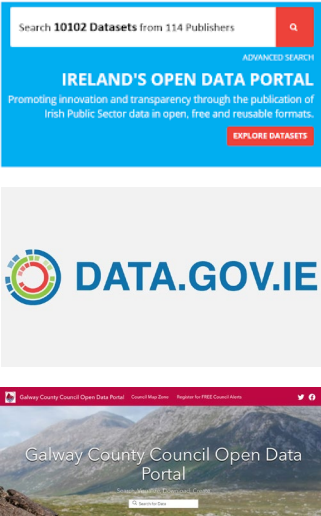
Level 3 – Benefits & Applications
(i.e. Applications/Solutions Data)







Mapping of Data Construction, orchestration and Meta-Discovery of Smart City Data Example



#H-KPIs #Methodology #FormalMethod

