

SynchroniCity opens up a global IoT market where cities and businesses develop share digital services to improve the lives of citizen and grow local economies.

SYNCHRONICITY

Launch Open Call Eindhoven
11th June 2018



This project has received
funding from the European
Union's Horizon 2020 research
and innovation programme
under grant agreement
No732240

Program

14:00 Opening

14:15 Smart Society strategy in Eindhoven

14:35 SynchroniCity: platform integration requirement

14:50 Smart Mobility

15:00 Co-creation & Participation

15:10 Vision on Wellbeing & Environment

15:20 Interactive Q&A

15:30 Break

15:50 Open Call Process

16:10 Interactive Q&A

16:30 Closing & after party

SYNCHRONICITY

Synchronicity opens up a global IoT market where cities and businesses develop shared digital services to improve the lives of citizens and grow local economies.



OPEN CALL
1st JUNE
2018

FUND



CITIES

- Helsinki
- Manchester
- Eindhoven
- Antwerp
- Carouge
- Milan
- Santander
- Porto

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@SynchronicityIoT
@SyncCityIoT



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IoT European Large-Scale Pilots Programme



User Engagement



Cross Fertilisation

SYNCHRONICITY

Smart Cities



Wearables/safety



Agro



Automotive



Assisted living



SYNCHRONICITY

Synchronicity opens up a global IoT market where cities and businesses develop shared digital services to improve the lives of citizens and grow local economies.



SYNCHRONICITY

*Deliver a Digital Single Market for IoT-enabled urban services,
in Europe and beyond.*

Synchronicity opens up a global IoT market where cities and businesses develop shared digital services to improve the lives of citizens and grow local economies.

SYNCHRONICITY

Deliver a Digital Single Market for IoT-enabled urban services, in Europe and beyond.

Synchronicity opens up a global IoT market where cities and businesses develop shared digital services to improve the lives of citizens and grow local economies.

Deliver common, co-created IoT-enabled urban services that meet citizens needs.

SYNCHRONICITY

SynchroniCity will deliver a harmonized ecosystem for IoT-enabled smart city solutions where IoT device manufacturers, system integrators and solution providers can innovate and openly compete.

SynchroniCity will establish a reference architecture for the envisioned IoT-enabled city market place with identified interoperability points and interfaces and data models for different verticals, including tools for co-creation & integration of legacy platforms.

SYNCHRONICITY



MANCHESTER
CITY COUNCIL



OPEN & AGILE SMART CITIES



ENGINEERING



EINDHOVEN

Milano



Comune
di Milano



bronze



Manchester
Metropolitan
University



ROMBIT

Porto.



AYUNTAMIENTO DE
SANTANDER

CATAPULT
Future Cities

European
Network of
Living Labs



umec



CATAPULT
Digital



UNIVERSAL DEVICE GATEWAY



heijmans



MANDAT
INTERNATIONAL

ubiwhere
SUITING THE FUTURE

KE-TI 전자부품연구원
Korea Electronics Technology Institute

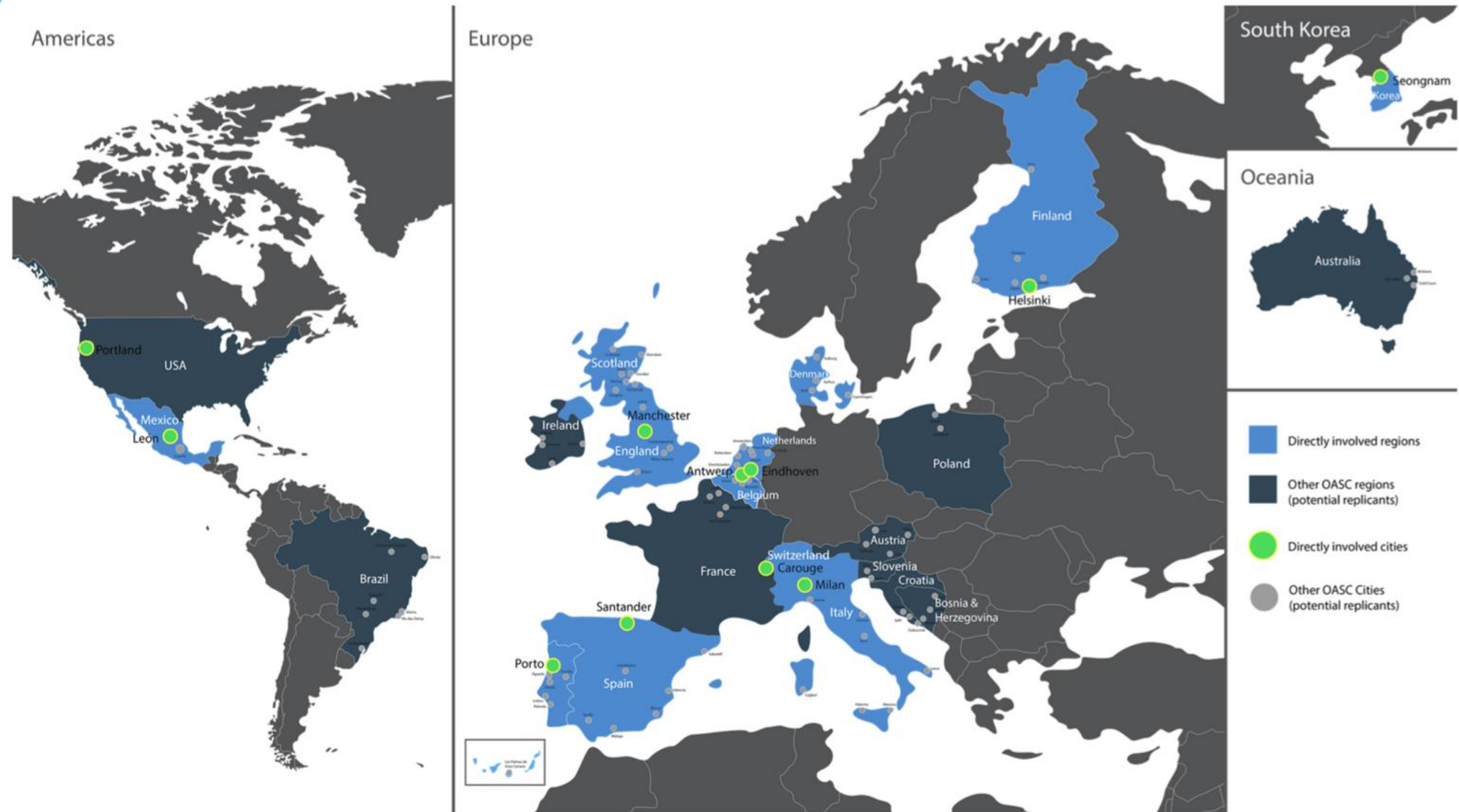


SEOUL METROPOLITAN
GOVERNMENT



Seongnam City

SYNCHRONICITY



SYNCHRONICITY



Staged, ambitious (36 months) including an open call for SMEs



SYNCHRONICITY

1. BASE IoT APPLICATIONS

- Context-adaptive traffic management
- Multi-modal transportation
- Community Policy Suite

2. ECOSYSTEM ENRICHMENT (3m€)

- New services/apps
 - SME focus
- 

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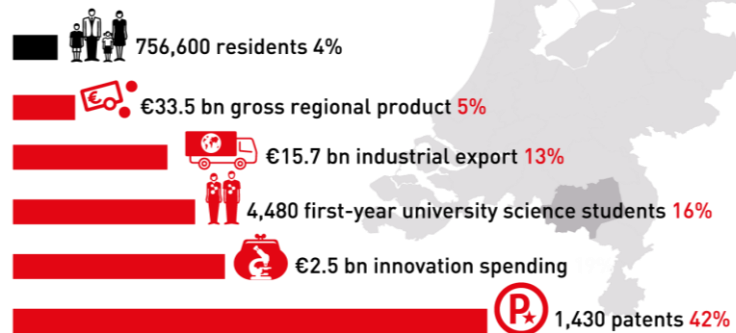


Eindhoven: Smart Society

The heart of the Brainport region



BRAINPORT SHARE DUTCH COMPETITIVENESS



Public space is rapidly digitalizing

fd. Mijn nieuws Laatste nieuws Krant Beurs Meer

Sandra Olsthoorn, Rob de Lange • Economie & Politiek

Een sensor op elke straathoek

Eindhoven installeert steeds meer sensoren. Die seine politie in als een straatruzie escaleert. Maar er zijn ool de fiets met wethouder Staf Depla. 'Heeft dat ding nou foto van me naar Facebook gestuurd?'

Eindhoven naar uitga twintig se inbraken e Handie li

Regio Algemeen Sport



Foto ter illustratie. © foto Peter H&Z

Tilburg gaat veiligheid op de Heuvel vergroten met technische snufjes

TILBURG - De gemeente Tilburg gaat vanaf deze week De Korte Heuvel uitbreiden met technologische snufjes die in de toekomst moeten helpen met het vergroten

deze week abonneren inloggen over Zoeken menu

BANEN TOPICS DIGITALE KRANT SERVICE WI

Nieuws Cultuur & Leven

de Volkskrant

Tech



Een reclamezuil op Amsterdam CS. © Exterion

U wordt gefilmd (en uw emoties gemeten): wat doen die camera's in billboards op stations?

DE GROENE AMSTERDAMMER

Onderzoek Smart cities, de stad als datamijn, de bewoner als proefkonijn

De muren hebben sensoren

Utrecht, Eindhoven, Enschede en vele andere steden zijn smart cities geworden. De manier waarop gegevens worden verzameld en gebruikt is strijdig met het recht op privacy. 'Bezoekers beseffen niet dat ze een levend laboratorium binnenstappen.'

door Saskia Naafs beeld Olivia Ettema
6 december 2017 - verschenen in nr. 49



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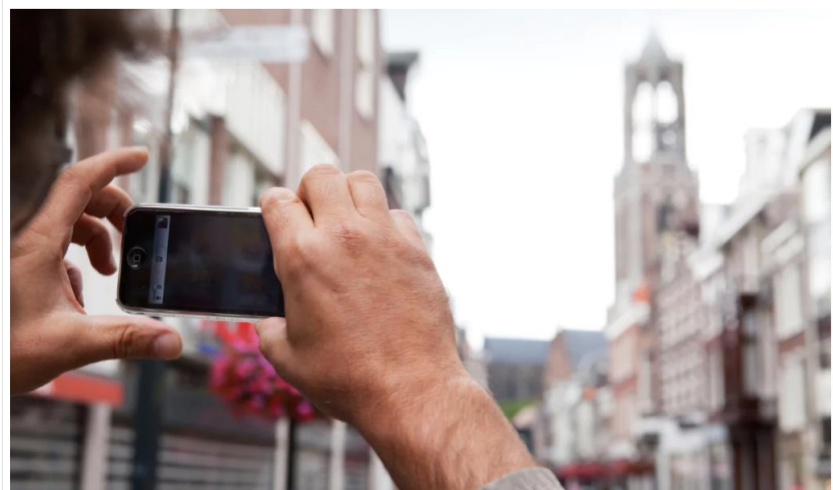
Cities

Cities is supported by the ROCKEFELLER FOUNDATION

About this content
Saskia Naafs
Thu 1 Mar 2018 07:30 GMT

2,735 247

'Living laboratories': the Dutch cities amassing data on oblivious residents



▲ Using a smartphone in Utrecht, where €80m has been invested in data-driven management. Photograph: Alamy

In Eindhoven and Utrecht smart tech is tackling traffic, noise

One city, many smart initiatives





Eindhoven Smart Society focus

Our role as government is to make sure technology works for the benefit of the city and its citizens, companies, visitors, by:

- Safeguarding public interest for an inclusive city
- Stimulating economic development & innovative eco-system
- Preventing monopolization of digital infrastructure, avoiding data, vendor or technology lock-in's
- Keeping the digital city open & adaptive for the future

Amsterdam & Eindhoven develop*

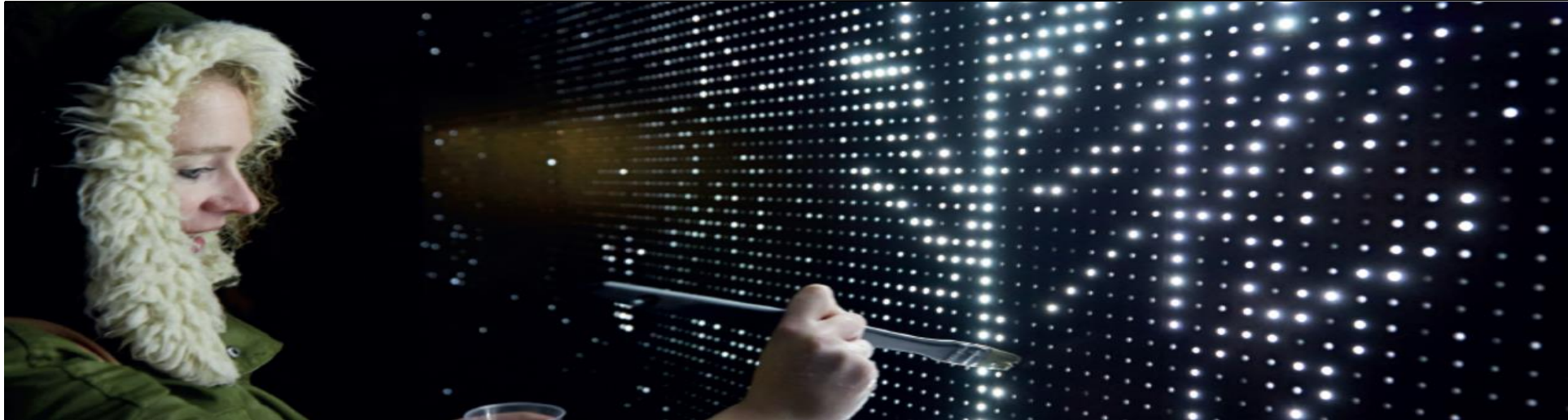
Four principles for digital city infrastructure of Smart Society that we expect all parties to follow:

1. Contribute to livable, healthy, safe and inclusive city development
2. Stay available for everyone in the city, future proof, reliable & safe
3. Build on open interfaces, open protocols & open standards
4. Ensure that transparency & control by the residents is guaranteed and that data is open, with respect for privacy & safety

* Supported by Antwerpen, Nijmegen, Tilburg, 's Hertogenbosch, Breda, Helmond...



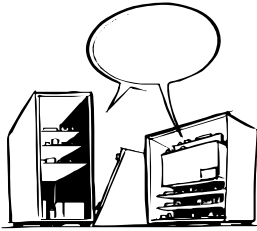
Eindhoven Open Data rules

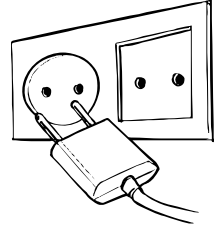


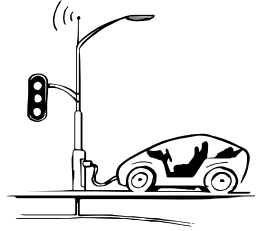
- Data residing in public space belongs to everyone and should be set open by all parties who are measuring it
- Data may only be opened if there are no privacy or public safety threats and has to be securely stored & maintained
- Data may be used by all parties to create new services & solutions for the city & the citizens

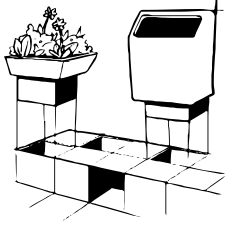
Eindhoven Smart Society IoT Charter

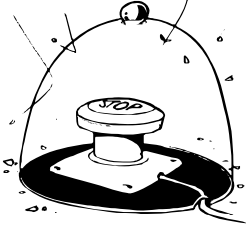
- 

1 Privacy first
- 

2 Open data & interfaces
- 

3 Embrace open standards
- 

4 Share where possible
- 

5 Support modularity
- 

6 Maintain security
- 

7 Accept social responsibility

Get to work & scale up!

Working out & spreading up the guidelines locally, nationwide & internationally:

- Requiring local parties to follow these guidelines, IoT charter etc., through tenders, contract conditions, subsidies, communities
- Working together with other Dutch cities & national authorities: adapting local & national legislation, common IoT register, IT standards
- Using as a baseline in European projects & networks: Triangulum, SynchroniCity, UnaLAB, Urban Agenda Digital Transition, KSF & ENoLL



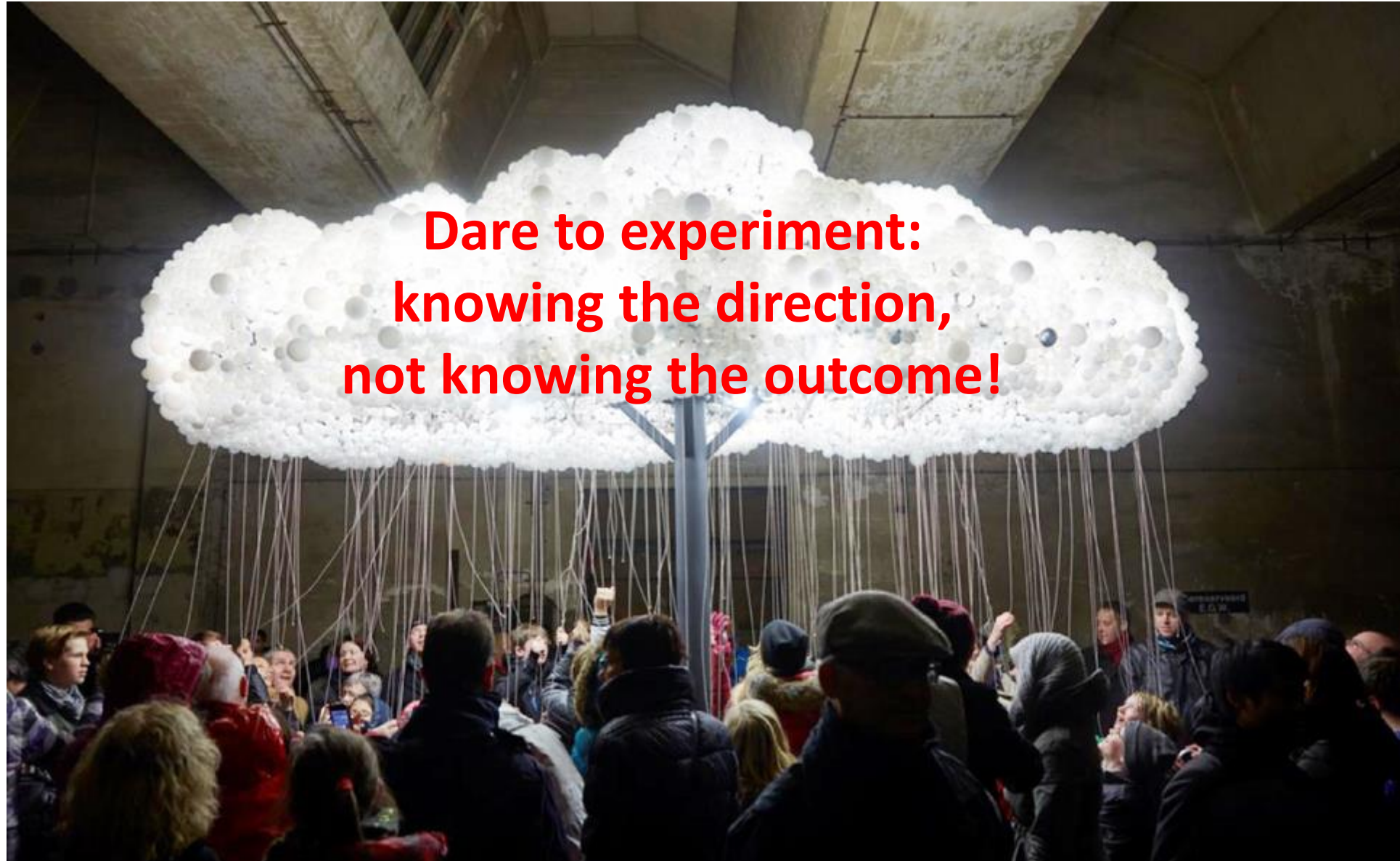
How can you join?

The guidelines are designed as a starting point for the future digital city to be developed together:

- Apply the guidelines to your idea, situation or design
- Check out the result and make improvements where needed
- Tell us what works and what doesn't! Together we will create new legislation, standards and tools that work!



Join us to transform to Smart Society



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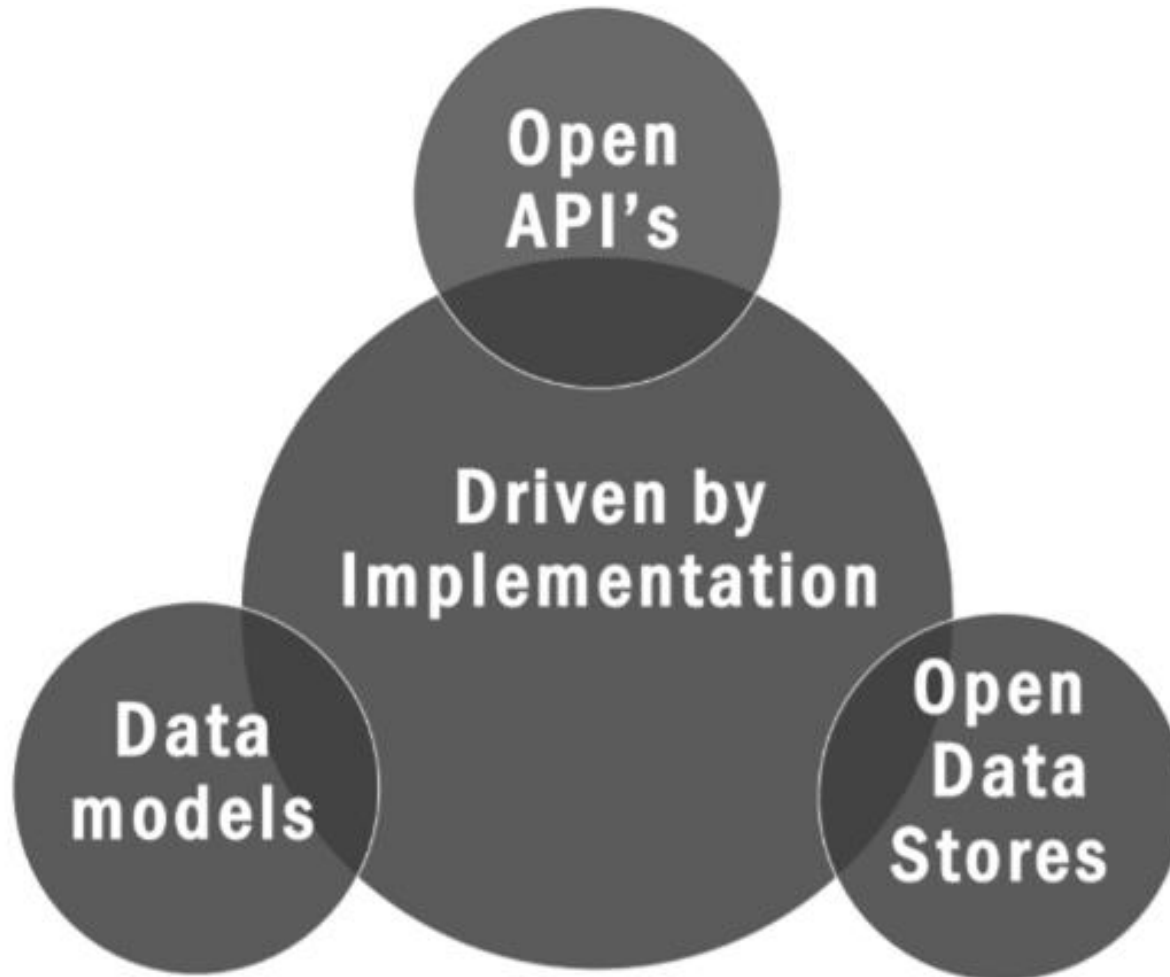
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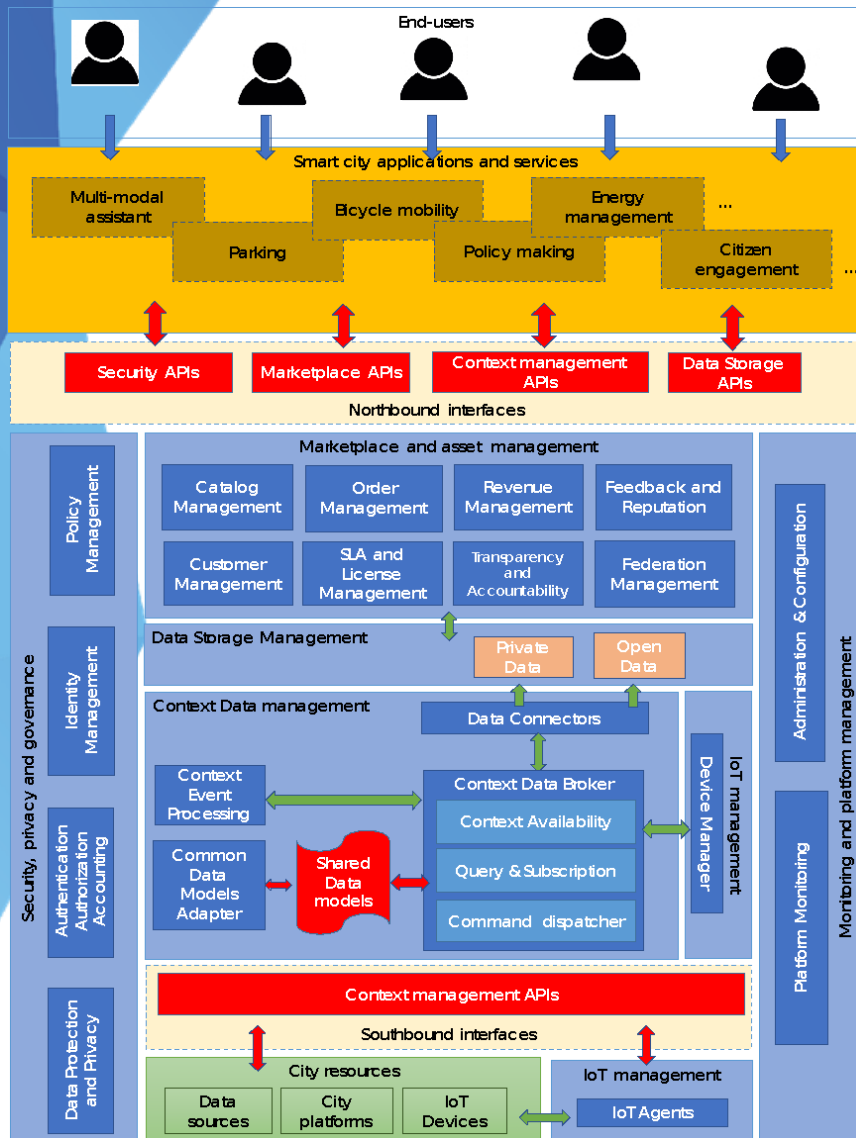
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SynchroniCity Architecture



SynchroniCity Architecture

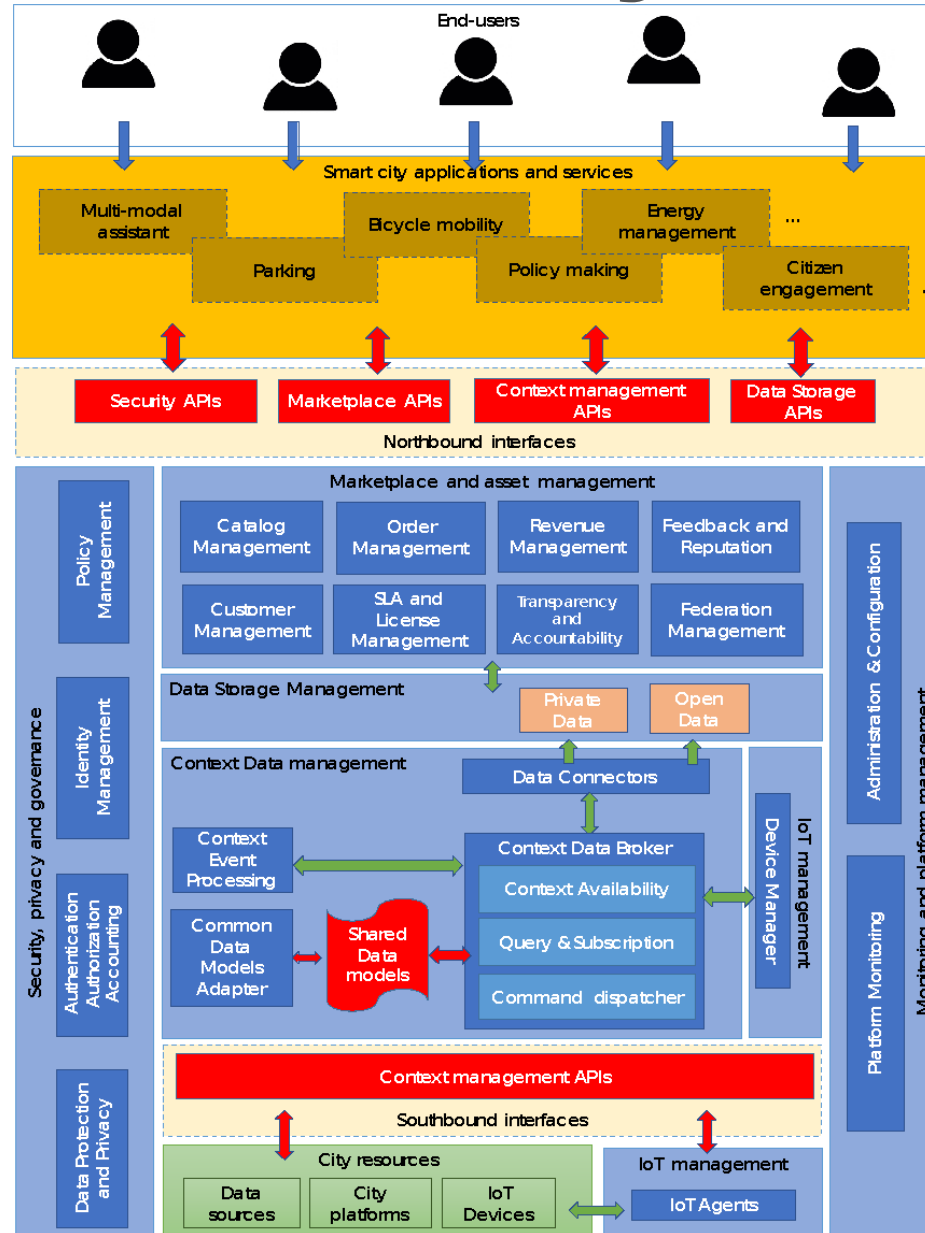


- **IoT Management:** to interact with the devices that use different standards or protocols making them compatible and available to the SynchroniCity platform.
- **Context Data Management:** to manage the context information coming from IoT devices and other public and private data sources.
- **Data Storage Management:** to provide functionalities related to the **data storage and data quality** interacting with heterogeneous sources.
- **Marketplace:** to implement a hub to **enable digital data exchange** for urban data and IoT capabilities providing features in order to manage asset catalogues, orders, revenue management.
- **Security:** to provide crucial **security properties** such as confidentiality, authentication, authorization, integrity, non-repudiation, access control, etc.
- **Monitoring and Platform management:** to provide functionalities to manage platform configuration and to monitor activities of the platform services.

SynchroniCity Architecture

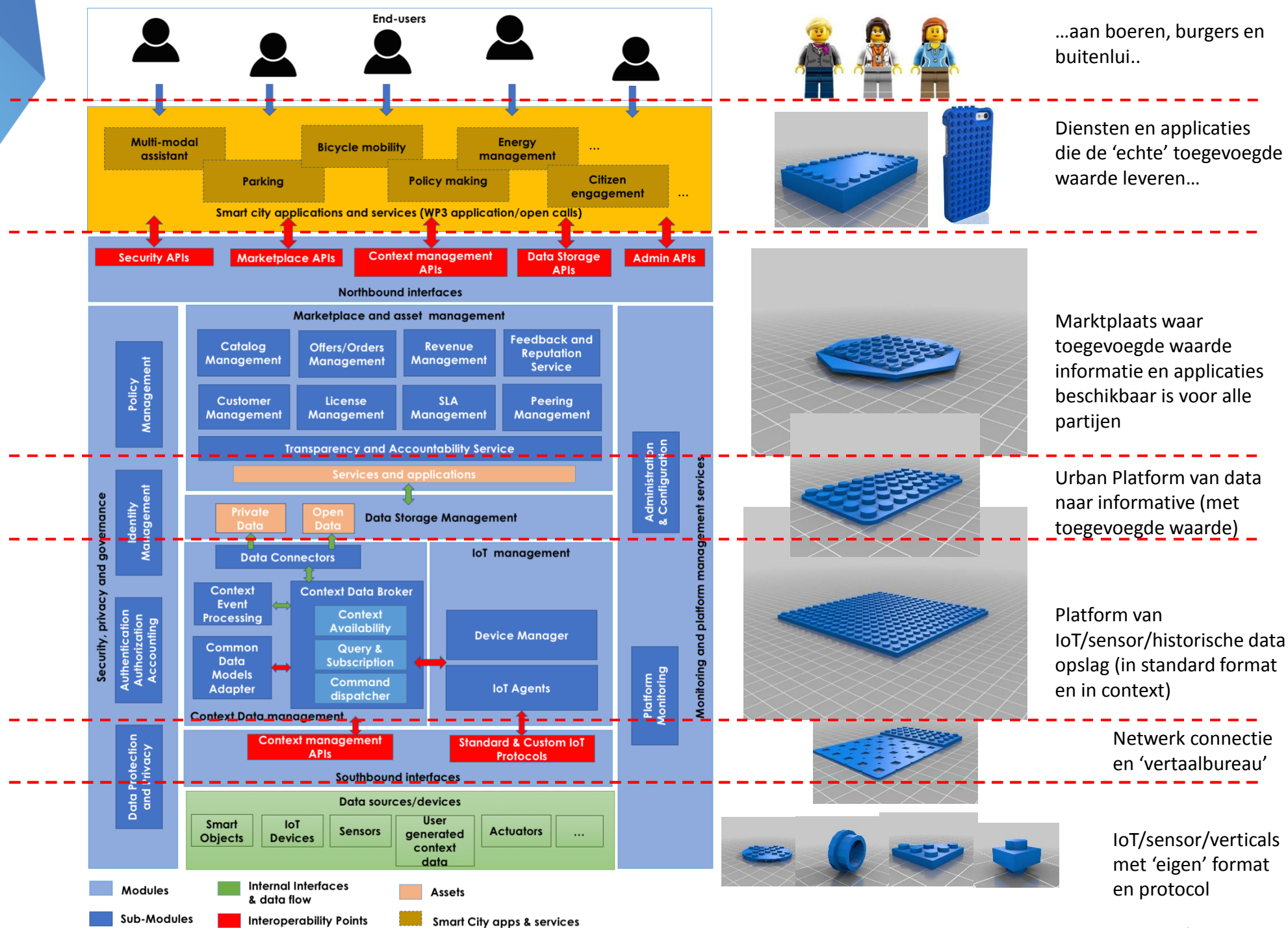


NGSI v2

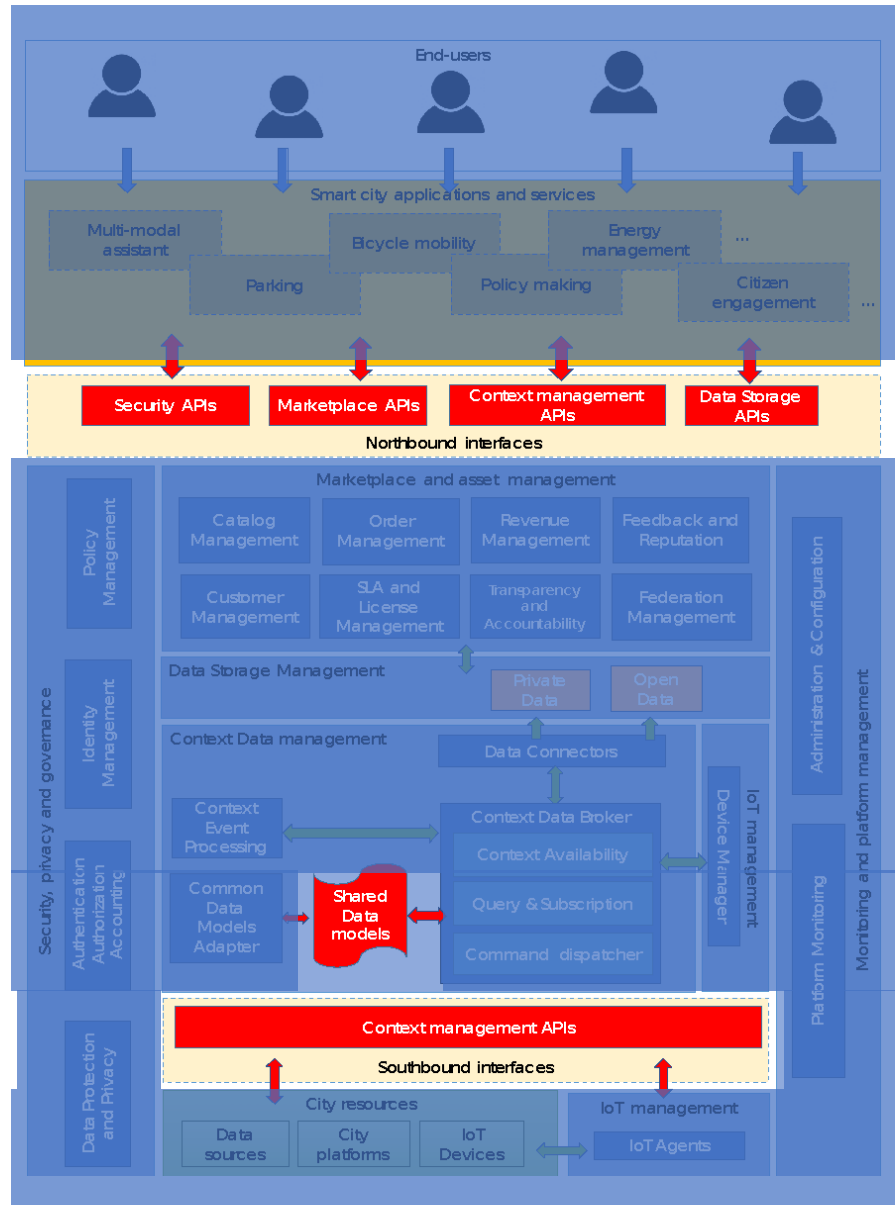


Ultralight 2.0





SynchroniCity Architecture



Interoperability Points represent the main interfaces that allow a city and IoT solutions to interact with SynchroniCity platform.

Status: Cities are currently becoming compliant with the SynchroniCity framework.

Live updates: You can regularly check the websites

<https://synchronicity-iot.eu/open-call>

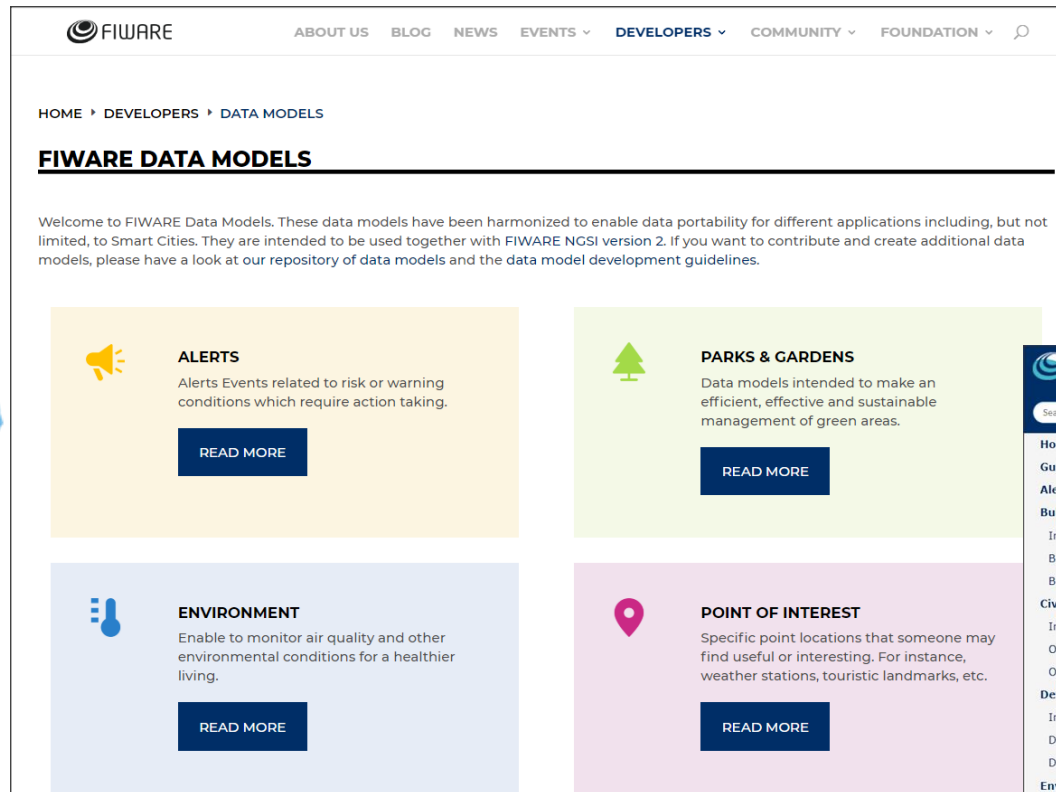
<https://synchronicity-iot.eu/framework>

Interoperability Mechanisms

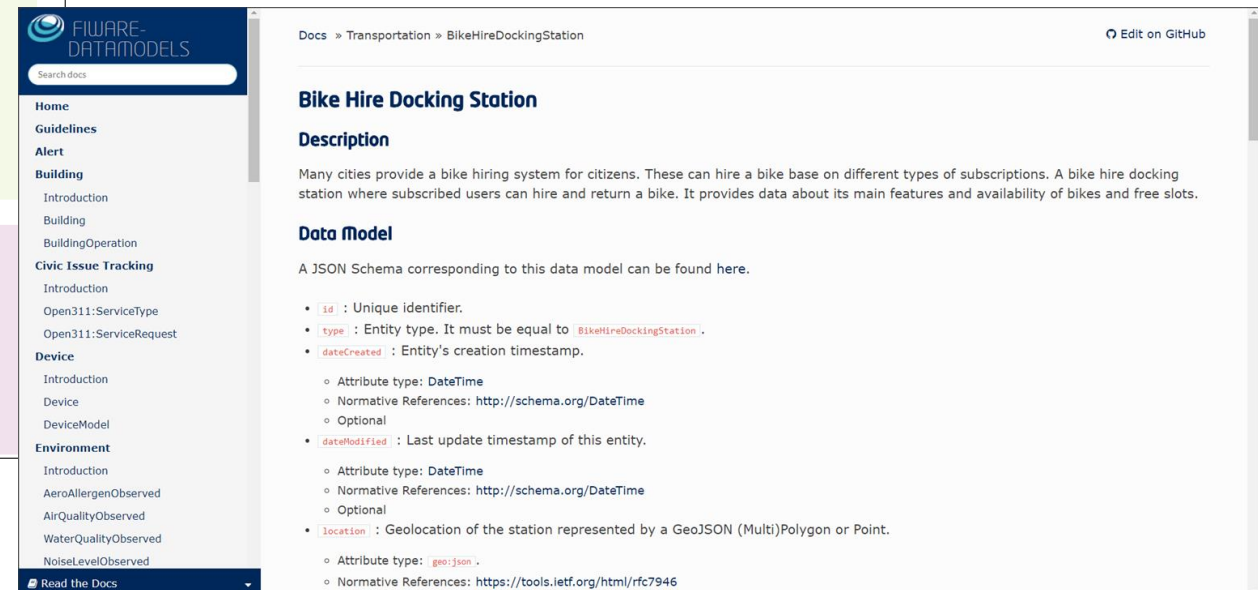
Interoperability Point	Description	Specification document	Related Standards [and Baselines]
Context Management API	This API allow to access to real-time context information from the different cities.	Reference Architecture for IoT Enabled Smart Cities (D2.1)	ETSI NGSI-LD prelim API, OMA NGSI, ITU-T SG20*/FG-DPM*
Shared data models	Guidelines and catalogue of common data models in different verticals to enable interoperability for applications and systems among different cities	Guidelines for the definition of OASC Shared Data Models (D2.2) Catalogue of OASC Shared Data Models for Smart City domains (D2.3)	[SynchroniCity RZ + partner data models]
Marketplace API	It exposes functionalities such as catalog management, ordering management, revenue management, SLA, license management etc.	Basic Data Marketplace Enablers (D2.4) Guidelines for the integration of IoT devices in OASC compliant platforms (D2.6)	[TM Forum API]
Security API	API to register and authenticate user and applications in order to access to the SynchroniCity-enabled services.	Reference Architecture for IoT Enabled Smart Cities (D2.1)	OAuth2
Data Storage API	This API allows to access to historical data and open data of the reference zones.	Reference Architecture for IoT Enabled Smart Cities (D2.1)	ETSI NGSI-LD, DCAT-AP [CKAN]

SynchroniCity Architecture

Data models: uniformisation based on standard data models from OASC initiatives (Fiware data models)



<https://www.fiware.org/developers/data-models/>
<http://fiware-datamodels.readthedocs.io/en/latest/>



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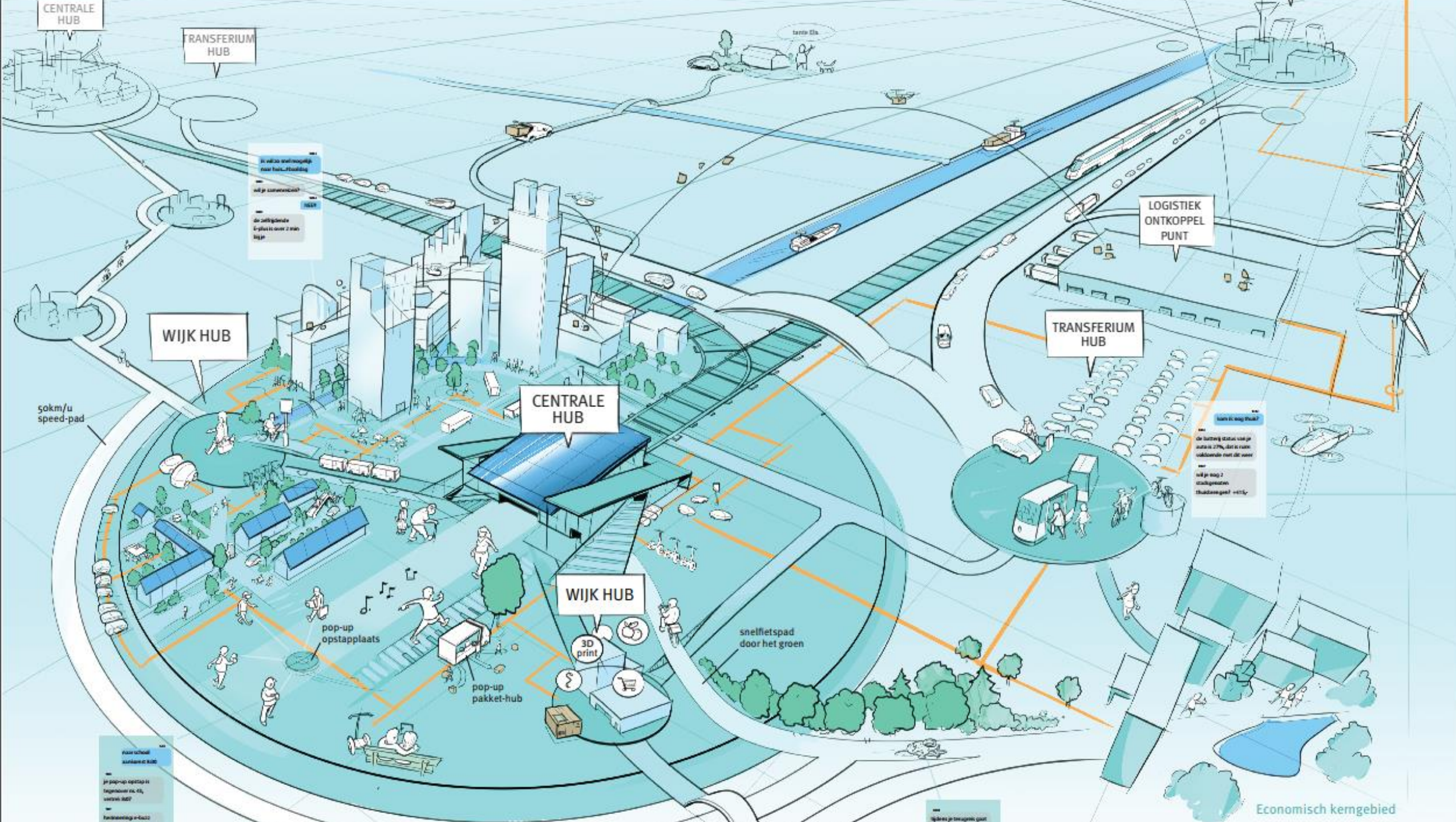
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Synchronicity – Mobility use case

Human centered traffic management

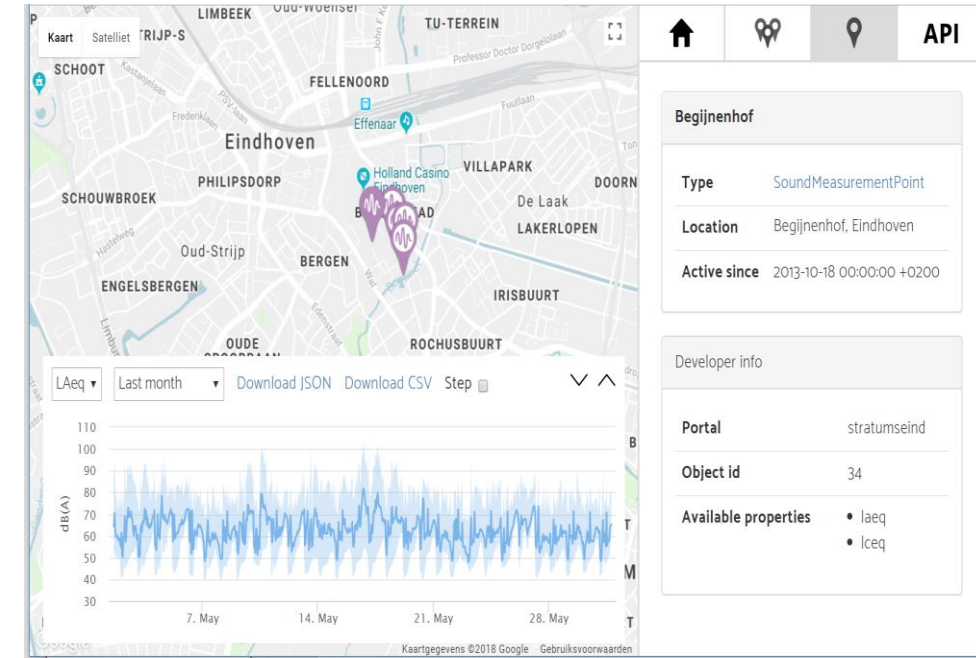
- Improve bicycle flow on crossings with Eindhoven ring-road
- Connect i-TLC data to Synchronicity platform
- Inform cyclist of optimal action to catch green (basic)
- Enable scenario-based traffic lights actuation(advanced)



Figure 3: Bicycle intensities and intersections

Mobility in the open call

- The use of existing / additional sensors to manage traffic flow: sound data (28 available spots), air quality data:
- Challenges for Eindhoven:
 - How to create high quality public spaces in the city. How mobility solutions can tackle this challenge.
 - How can we accommodate the mobility that comes with the new developments in the city centre (logistics, inhabitants)
 - Reduce emissions in line with Paris Agreement
- Use available data to:
 - Improve parking experience
 - Improve air quality
 - Improve traffic flow
 - Advise on mode of transportation
 - Waste management pickup trucks
 - Asset management



(The call is really open, so don't be limited by the examples,)

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The City as a Think Tank

SWITCH
LIGHT, TRANSFORMING LIFE

The City as a Think Tank

Switch is a model for innovation that functions as an ecosystem. An ecosystem that everyone can be part of. Through Switch, society is able to develop its own design initiatives and let it work to its advantage. At Switch, current societal challenges are central. Challenges that require feasible solutions (prototypes) that are promising enough to be converted directly into concrete applications.

SWITCH
LIGHT, TRANSFORMING LIFE



LIGHTING URBAN COMMUNITY INTERNATIONAL



The LUCI Pillars reflect some of the main challenges faced by cities today and the potential solutions that an optimal use of light can bring.



LIGHTING URBAN COMMUNITY INTERNATIONAL

*In order to nurture social interaction,
people and places should be connected
throughout the city.*

At LUCI, we believe that light is an enabler
of urban regeneration and social
sustainability, and that it is a powerful and
creative tool for citizen participation.



SOCIAL COHESION



LIGHTING URBAN COMMUNITY INTERNATIONAL

Public spaces are the beating heart of the city. They are the spaces where people – inhabitants and visitors alike – experience the city, its architecture and its infrastructure.

At LUCI, we believe that light can be the enabler of new applications and services in the public space, and it can even help reconstruct the notion of public space itself.



PUBLIC SPACES



LIGHTING URBAN COMMUNITY INTERNATIONAL

Ensuring health and wellbeing of each citizen is a fundamental priority of every city.

At LUCI, we believe that light can act as a major stimulus to help cities address issues related to health & wellbeing and mitigate the negative side-effects of modern daily life.



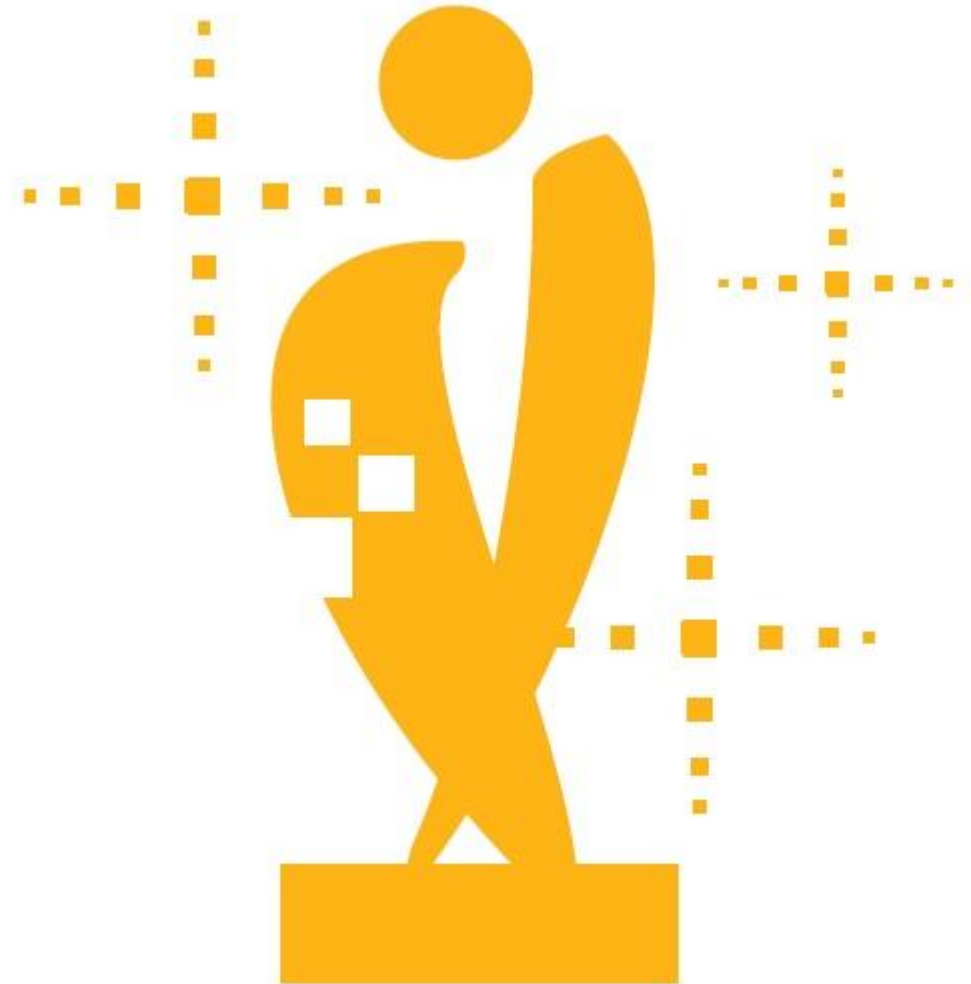
HEALTH & WELLBEING



LIGHTING URBAN COMMUNITY INTERNATIONAL

Art is an essential driving force that inspires urban leaders to develop their city and to deliver diversity to the culture and identity of the city.

At LUCI, we believe that light can be the way to develop art and culture in the urban space and transform the way we live and experience our cities.



ART & CULTURE



LIGHTING URBAN COMMUNITY INTERNATIONAL

Local governments are in the best position to frame and manage a number of public services that increasingly need to be user-focused.

At LUCI, we believe that light is a major opportunity for cities to develop multiple helix partnerships that aim at creating societal added value.



GOVERNANCE



LIGHTING URBAN COMMUNITY INTERNATIONAL

Local governments are in the best position to frame and manage a number of public services that increasingly need to be user-focused.

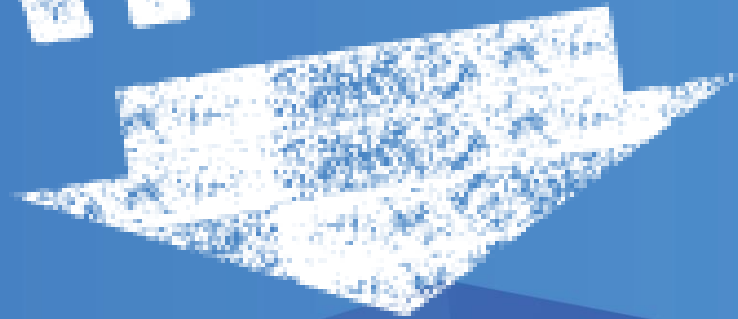
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GOVERNANCE

SYNCHRONICITY

PARTICIPATION
MATTERS!



SWITCH
LIGHT, TRANSFORMING LIFE

SYNCHRONICITY



JOUW LICHT OP 040

SAMEN MAKEN WE EINDHOVEN SLIMMER

Jouw Licht op 040 is een project van:

PHILIPS

hetijmans

TU/e



EINDHOVEN

JOUW LICHT OP 040.NL



SWITCH
LIGHT, TRANSFORMING LIFE

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Jean-Paul Close

Connecting citizens, government and institutions into
common innovative projects for sustainable quality of life.



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Interactive Q&A



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OPEN CALL

1st JUNE 2018

FUND



3M€

CITIES

- Helsinki
- Manchester
- Eindhoven
- Antwerp
- Carouge
- Milan
- Santander
- Porto

synchronicity-iot.eu
info@synchronicity-iot.eu
[f @SynchronicityIoT](https://www.facebook.com/SynchronicityIoT)
[@SyncCityIoT](https://twitter.com/SyncCityIoT)



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Objectives

- Validate the SynchroniCity vision and technical framework as a model for **large scale standards-based innovation and procurement** of IoT-enabled services for cities and communities.
- Demonstrate that the Synchronicity framework enables the **replicability and scalability** of human-centered IoT solutions across cities, proving sustainable business models and thus reducing the risk for investment on this solutions at large scale.
- Attract new players of the city ecosystem to become part of the SynchroniCity digital single market ensuring its **expansion and sustainability**.
- Inform and influence European and global standard developing organisations to **shape and adopt new smart city standards**.

Who is it for?



Lead SMEs
can apply
alone or in a
pilot group

SMEs

- **Lead SME:** IoT applications or full-stack solutions
- **Not Lead SME:** complementary to Lead SME, either IoT enabled or expert knowledge on the application
- Solutions that have already been demonstrated in a relevant environment (**TRL $\geq$ 6**)



New cities wanting to
become part of
Synchronicity

New Cities and
Large
Businesses
can only apply
in a Pilot
Group



Large Businesses wanting
to become part of
Synchronicity

Pilot Groups

Lead SME + SME and/or City and/or
Large Business

Main characteristics?



3M€
Open Call



Selection of
15-25 city
solutions



Piloting in at **least 3 cities** simultaneously
(but preferably more)

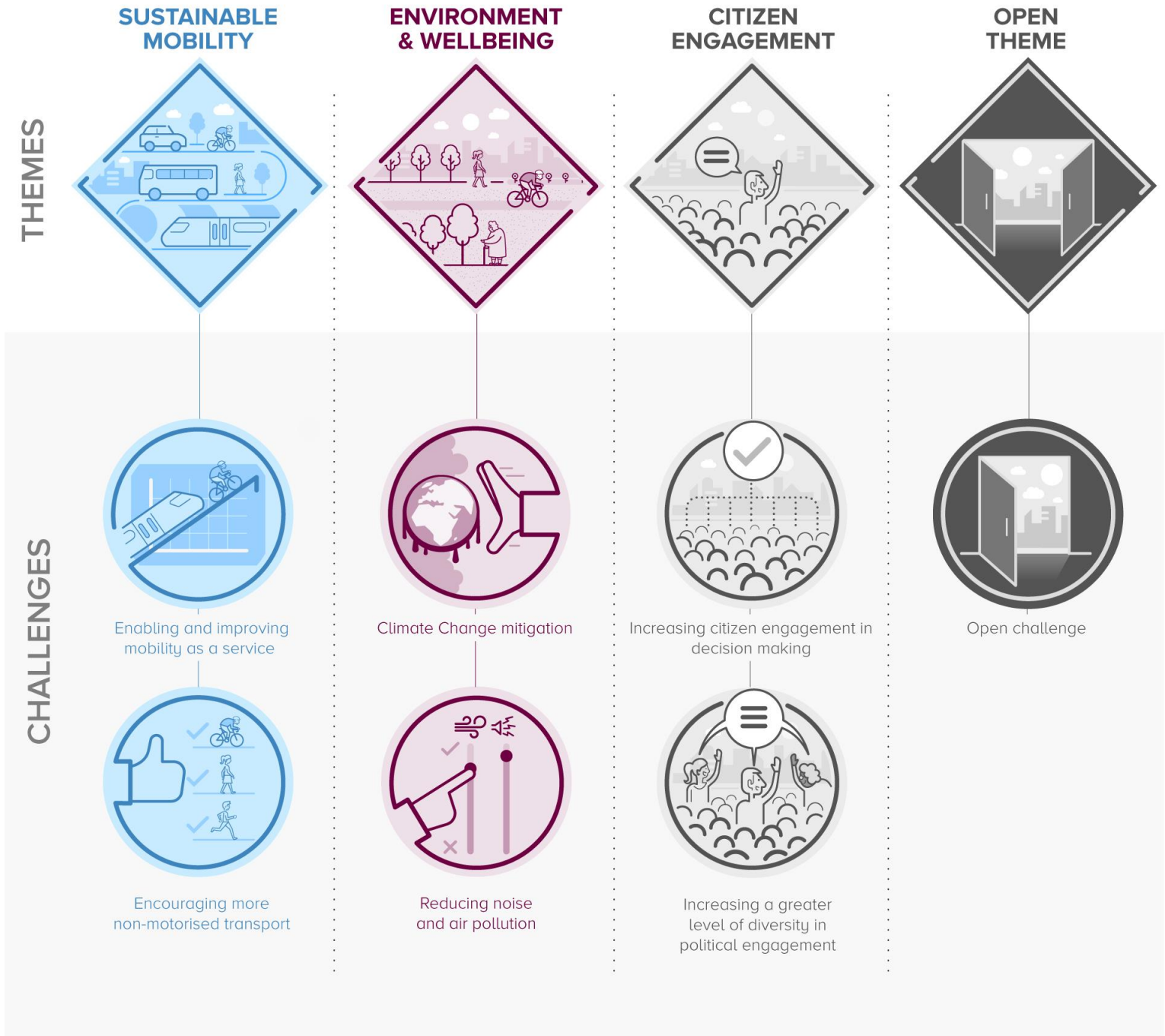


Up to 6 month
demonstration
period

ELIGIBILITY CRITERIA

- Application submitted on time (Deadline: 30 Sep 2018, 17:00 CEST)
- Application led by an SME
- The status of SME applicants must be conformant with the EU definition of Small and Medium Enterprises.
- The SME proposal is providing an IoT enabled application or a full stack solution (infrastructure + middleware + application)
- Completeness of the proposals (i.e. fields as well as page limit)
- The language of the applications (i.e. English)
- Letter of support of new cities to the respective Pilot Group
- Non-affiliation with SynchroniCity consortium partners that may lead to a conflict of interest (i.e. Declaration of honour to be signed only if selected)
- Compliance with SynchroniCity Ethics & Privacy guidelines
- Within the scope of the call
- The inclusion of eligible activities for funding.

Scope



Scope by cities

Core Pilot Cities

		Antwerp	Carouge	Eindhoven	Helsinki	Manchester	Milan	Porto	Santander
Theme	Challenge								
SUSTAINABLE MOBILITY	Enabling and improving MaaS	◆		◆	◆	◆	◆	◆	◆
	Encouraging more non-motorised transport	◆	◆	◆	◆	◆	◆		◆
CITIZEN ENGAGEMENT	Increasing citizen engagement in decision making		◆	◆	◆	◆		◆	◆
	Increasing a greater level of diversity in political engagement		◆	◆	◆			◆	◆
ENVIRONMENT & WELLBEING	Climate change mitigation	◆		◆		◆		◆	
	Reducing noise and air pollution	◆	◆	◆	◆	◆	◆	◆	◆
OPEN THEME	Open Challenge	◆	◆	◆	◆	◆	◆	◆	◆

EINDHOVEN

Pilot area:
Population: 225,000
Urban area:

Elected as “Smartest Region in the world” and one of the 7 best global cities for start-ups, Eindhoven is internationally recognized as a global hotbed for (social) innovation.

Today the City of Eindhoven is at the heart of the so-called Brainport Eindhoven region: a strong knowledge intensive manufacturing region, specialized in ‘high tech systems’ and ‘design’, and one of Europe’s most innovative and R&D intensive areas (www.brainport.nl).

THEMES & CHALLENGES



Encouraging more non-motorised transport



Enabling and improving mobility as a service



Open challenge



Reducing air and noise pollution



Climate Change mitigation



Increasing a greater level of diversity in political engagement



Increasing citizen engagement in decision making

Cities Values & Priorities

- Privacy by design approach and citizen control of their own data
- Safeguarding public interest, transparency and mutual trust
- Citizen-centric services and collaboration
- Energy, Green & Water, Health, and Education.

What’s available through the SynchroniCity technical environment?

* Please, check website for details and latest updates

What’s available in the City?

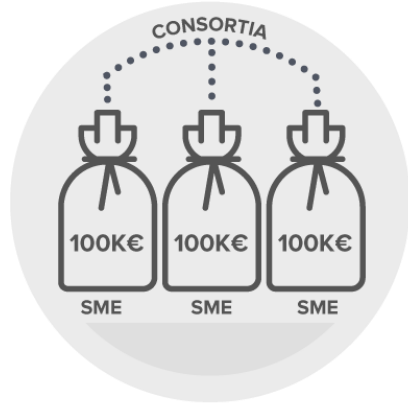
DATA

- Road infrastructure and furniture
- Origin-Destination matrices- Only Origin analysis
- Disruptive event notifications
- Traffic counters for all travel modes (including bike, pedestrian counts)
- Pollution / air quality levels - Aireas
- Park (and ride) facilities

ASSETS

- V2I communication - Basic Safety Message
- Traffic Light Controllers
- Telephone in Vehicle 2 Infra – Floating Car data, travel time
- ViSense: Intelligent real-time system for object recognition, plus traffic distinguishing and counting
- Aireas air boxes - Air quality (6 criteria pollutants), temperature and humidity
- Opticom infrared sender - Fire (and ambulance) vehicles approaching
- Connected street Lighting nodes - Energy consumption, failure messages, status information
- Detection loops, Push buttons, Bus, Radar - Presence traffic at/near traffic lights
- Short distance radio sender (=KAR) -Public Transport busses approaching
- ViNotion people and bicycles counters
- Slippery detection system stations inroads EHV
- Environmental sensor modules collocated with connected lighting infrastructure
- Parking sensors/ barriers - Availability of a number of parking spots on city-owned private parking lots
- PRIS displays - Indication number of available/free parking slots
- City Beacon - information station with POI and available services, local/city announcement screens, help/panic button
- Free WiFi, ready for 5G and mobile payment, possible (=currently disabled)
- Safety camera and lighting, traffic flow camera/journey tracking, air quality sensor

Funding



Each application can be funded with:

- up to €100.000 if an SME applies alone
- up to €200.000 for a Pilot Group of 2 organisations
- up to €300.000 for a Pilot Group of 3 organisations or more

SMEs, cities and large businesses that are not from EU or H2020 associated countries are welcome to participate in the open call but are not eligible for funding.

- Co-fund 80% of the individual total budget. The remaining 20% will need to be provided by the applicants either as in-kind support or by bringing in funding to the project.
- Cities and large businesses eligible for funding can claim a maximum of €60.000 of the total allocated budget for fundable activities.



EXAMPLES

CASE 1 – SME applies individually

Principle:

- i. Fund is **80%** of the total cost of the project, with an **overall cap of € 100,000**
- ii. SMEs will need to report and justify their whole costs on the project, regardless the grant that they will receive.

Examples:

1. Total cost of the project: € 50,000
Total grant: € 40,000 ($= 50,000 * 0.8$)
2. Total cost of the project: € 100,000
Total grant: € 80,000 ($= 100,000 * 0.8$)
3. Total cost of the project: € 150,000
Total grant: € 100,000. The 80% principle cannot be applied, as it would be higher than the € 100,000 overall cap, i.e. $150,000 * 0.8 = € 120,000 > € 100,000$

CASE 2 – SME + LB or Ci apply as a Pilot Group of 2

Principles:

- i. For LB and Ci fund is **80%** of its total individual cost of the project, with an **individual cap of € 60,000**
- ii. For SME fund is **80%** of its total individual cost of the project, **no cap**
- iii. There is an **overall cap on the total grant of € 200,000**
- iv. SMEs, LBs and Cities will need to report and justify their whole individual costs on the project, regardless the grant that they will receive.

Example:

Total cost for the LB/Ci for the project: € 100,000.

Total cost for the SME for the project: € 150,000.

Total cost of the project € 250,000.

- Grant for the LB/Ci: € 60,000, individual cap applies ($100,000 * 0.8 = 80,000 > 60,000$). Please note that the difference between € 60k and € 80k will need to be provided as an in-kind or cash by the LB/Ci.
- Grant for the SME: € 120,000 ($= 150,000 * 0.8$). Please note that here no cap applies, as in CASE 1, where an SME applies for fund individually.
- Total grant: € 180,000

How am I going to be evaluated?

30 Sept 2018

OPEN CALL APPLICATIONS

- Anonymisation
- Eligibility check (**GO/NO GO**)

TECHNICAL REVIEWERS

GO/NO GO

CITY REVIEWERS

+

COMMERCIAL REVIEWERS

Impact (0-5)
Excellence (0-5)
Feasibility(0-5)
Sustainability (0-5)

COLLECTION OF AVERAGE SCORE + FEEDBACK BY OCEC

SCORE $\geq 14/20$
(**GO/NO GO**)

List Projects from Highest Score to Lowest

Finalist List

OCEC DISCUSSION

Considerations:

- Geographical balance
- Themes&Challenges
- Pilot Cities views
- If equal score: feasibility and sustainability prevails

WINNING PROJECTS LIST

ETHICS & PRIVACY CHECKS BY EPB

ETHICS & PRIVACY CHECKS 2
(**GO/NO GO**)

OUTCOME COMMUNICATION

1st week of Nov 2018

Amendment Period

End Nov 2018

OCEC = Open Call Evaluation Committee

EPB = Ethics and Privacy Board

How am I going to be evaluated?

Excellence (0-5 points)

- What is the vision, ambition and value proposition of your solution? Is your project proposition clear in meeting the objectives of the call?

Impact (0-5 points)

- Does your project address a challenge recognised or prioritised by the cities? Who will benefit from the implementation of your solution or service and how? How will your solution impact the life of citizens and communities?

Feasibility (0-5 points)

- Can you demonstrate that the project is feasible within the budget? If it is not, can you demonstrate that you have the additional necessary resources to make it feasible? Is the budget clearly described?

Sustainability (0-5 points)

- How credible is your methodology in proving the scalability of product/service? What's your exploitation/commercialisation plan for this solution? How clear is your revenue model and monetisation strategy? Will your solution support the goal of creating more jobs across Europe?

IPR and Data

Who keeps the IPR?

IP will remain yours or of your Pilot Group

Synchronicity will not retain any equity

However, SynchroniCity consortium will be licensed the right to use (internally) any IPR you produce as part of the project, for three years after the project finishes.

Additionally, SynchroniCity or the European Commission may ask you to present your work as part of our public relations and networking events, in order to showcase the benefits of the SynchroniCity project.

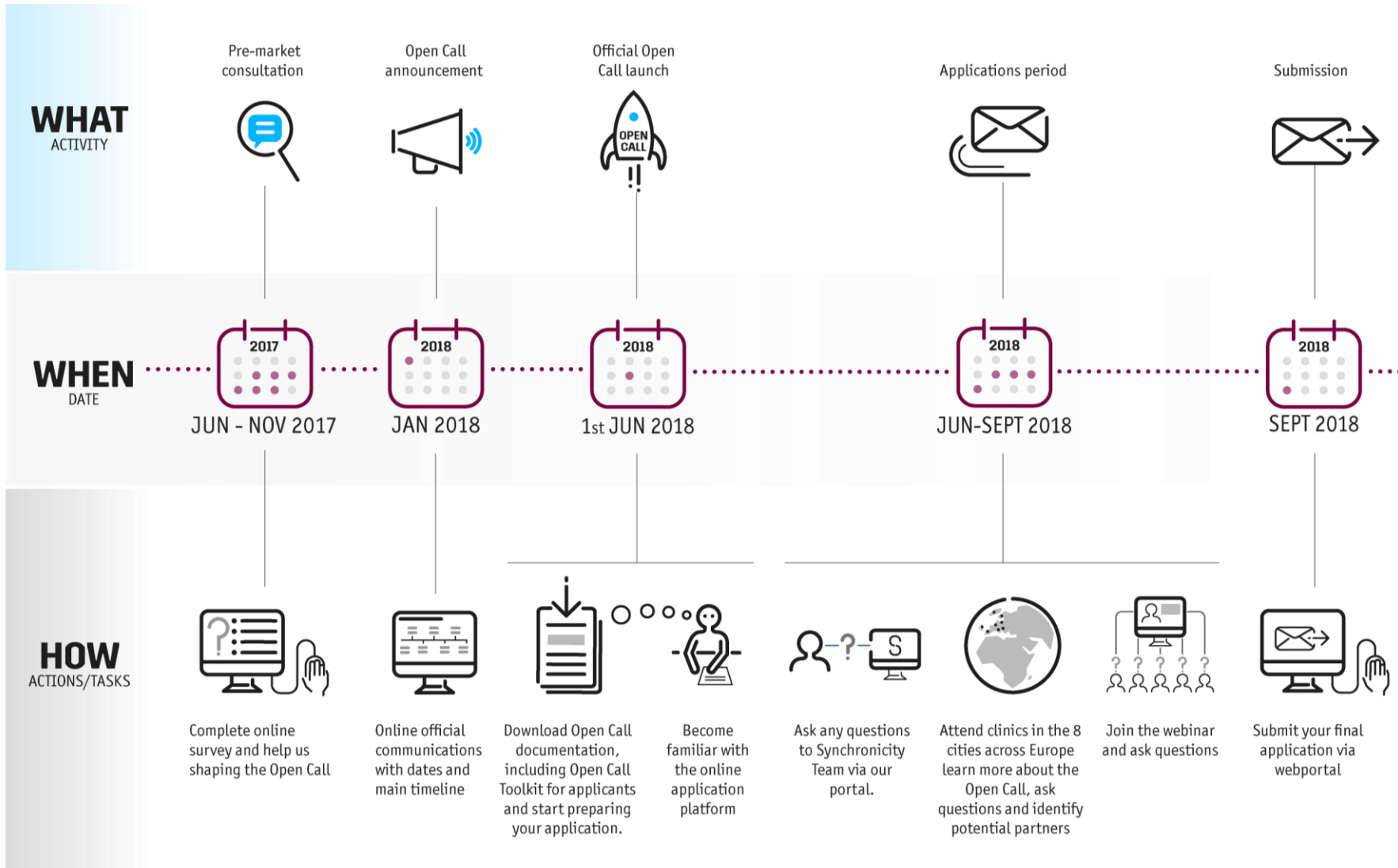
Who own the data produced?

The type of data that you may make use of could be open data and close data, with either open access or restricted access. Each city has its own data policy and preferences on how data should be treated in their region.

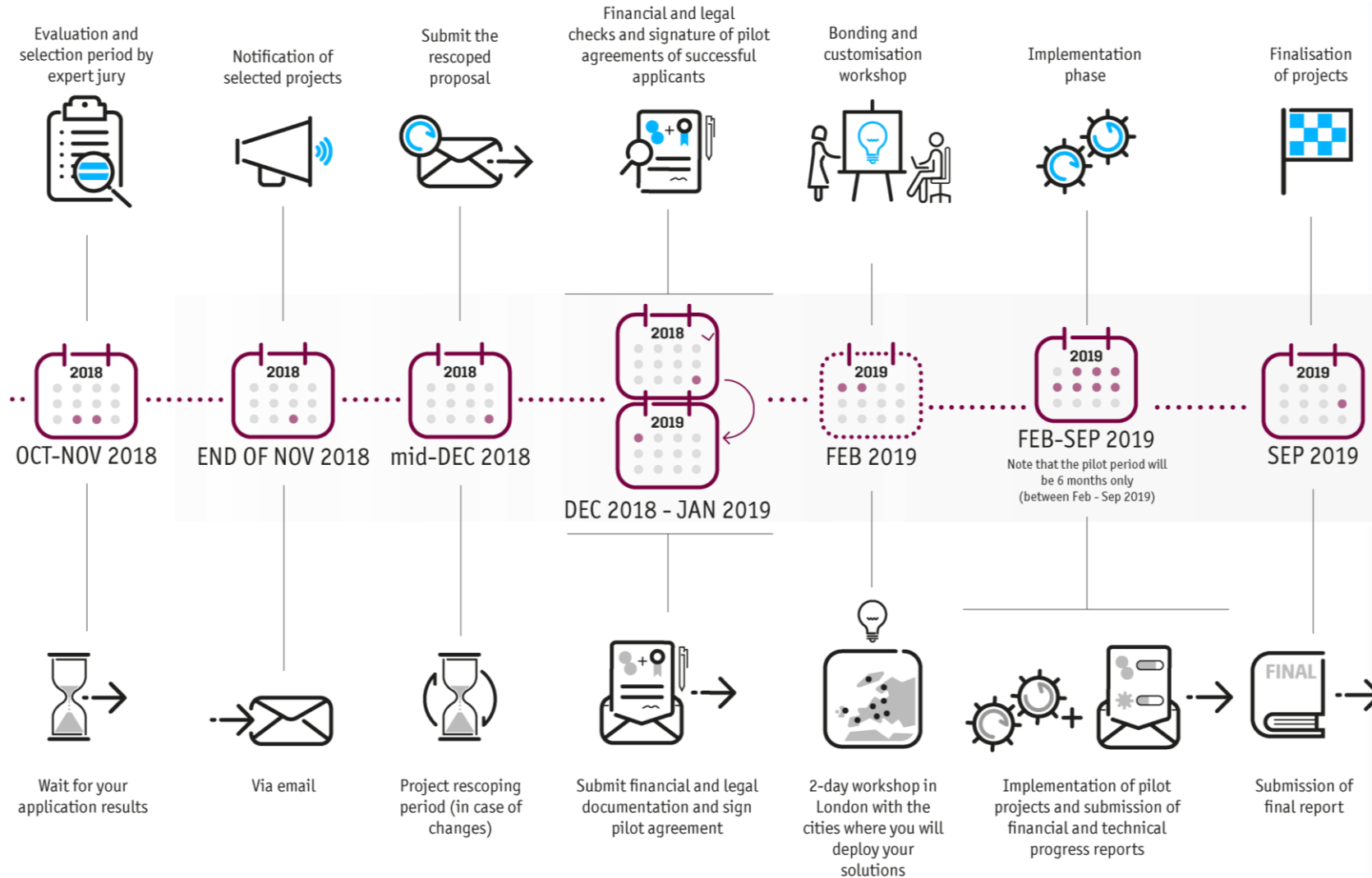
It will be the responsibility of the applicants to ensure they understand the conditions on data in each city they plan to pilot, as well as associated licences and costs, in order to provide a sound proposal that takes this diversity into account.

The data produced during the pilot phase will be shared according to the contractual *Data Sharing Agreements* between the SME or Pilot Group and the relevant open call pilot cities.

Timeline



Timeline



How to apply?

SYNCHRONICITY

Application process for SMEs and Pilot Groups



How to apply?



5 Start preparing the online **application form**. Access the platform here.



6

Select a challenge and at least **two additional pilot cities**.

Note that you need to pilot in a minimum of 3 cities in total. If you are bringing two new cities, you only need to select one additional pilot city.

YES

Tick when done



? Optional step

Are you **bringing a new city?**

Tick when done



Cities from all over the world are welcome to apply in Pilot Group with SMEs. Only Cities from EU and H2020 associated countries are eligible for funding.

NO

Select a challenge and at least **three pilot cities**.

Tick when done



How to apply?

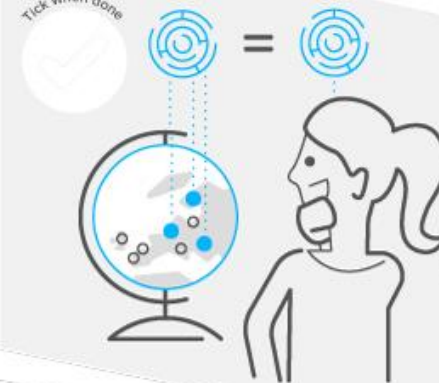
7

Make sure that the city will adopt the necessary requirements to become a pilot city.



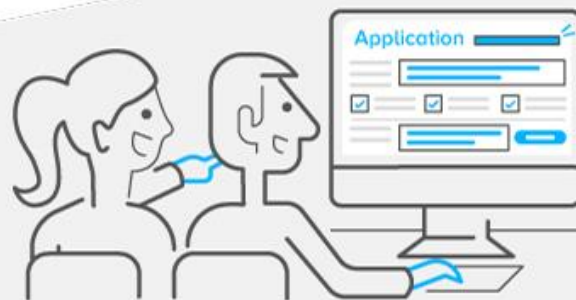
7

Make sure that the challenge you are trying to tackle is common to the cities that you selected.



8

Complete the online application form.



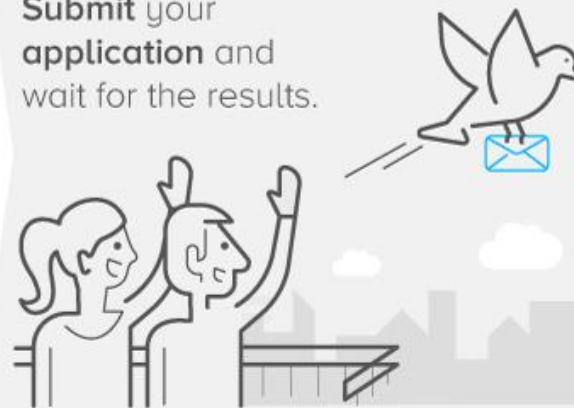
9

Provide budget, workplan, resource plan, Ethical statement and GDPR readiness questionnaire. Templates are available here.



10

Submit your application and wait for the results.



What next?

- Download the *Open Call Toolkit for Applicants* package
- Visit our website to make use of the support available during the application period
 - Online Forum
 - Private Questions (helpdesk@synchronicity-iot.eu)
 - Open Call Webinars, link [Eventbrite](#) for 12th june
 - Open Call Clinics
 - Connect section (note that it is the responsibility of the applicants to find the partners for their Pilot Group)
- Wait for the communication of your successful or unsuccessful application
- If successful, you (if applying alone) or your Pilot Group will need to sign the *Pilot Agreement* with the open call partner lead (Future Cities Catapult) and *Data Sharing Agreements* with the different cities you will pilot your solution in.

More information on “what’s next?” for the successful applicants is in the *Open Call Guide for Applicants*.

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Or send us an email
info@synchronicity-iot.eu

Program

14:00 Opening

14:15 Smart Society strategy in Eindhoven

14:35 SynchroniCity: platform integration requirement

14:50 Smart Mobility

15:00 Co-creation & Participation

15:10 Vision on Wellbeing & Environment

15:20 Interactive Q&A

15:30 Break

15:50 Open Call Process

16:10 Interactive Q&A

16:30 Closing & after party

SYNCHRONICITY

Interactive Q&A



This project has received
funding from the European
Union's Horizon 2020 research
and innovation programme
under grant agreement
No732240

Program

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