

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

Webinar - Open Call

12 Sept 2018



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

Co-funded by



Switzerland



South Korea



Mexico

Agenda

- **Welcome** - Francesca Spagnoli (*European Network of Living Labs*) and Martin Brynskov (*Aarhus University*)
- **SynchroniCity Open Call Q&A** - Gemma Guilera (*Future Cities Catapult*) and Martino Maggio (*Engineering Ingegneria Informatica spa*)
- **Pitches from SynchroniCity 8 Core Pilot Cities -**
- **Q&A with the Cities**
- **Closing Remarks** - Francesca Spagnoli (*European Network of Living Labs*)

Am I eligible?

Affiliation vs Conflict of Interest

WHAT DOES IT MEAN TO BE AN AFFILIATED ENTITY TO A SYNCHRONICITY CONSORTIUM MEMBER?

According to the 'Horizon 2020 Rules for Participation (Regulation (EU) 1290/2013)':

art. 2.1(2)

'affiliated entity' means any legal entity that is under the direct or indirect control of a participant, or under the same direct or indirect control as the participant, or that is directly or indirectly controlling a participant. Control may take any of the forms set out in Article 8(2);

art. 8(2)

For the purposes of paragraph 1, control may, in particular, take either of the following forms:

(a) the direct or indirect holding of more than 50 % of the nominal value of the issued share capital in the legal entity concerned, or of a majority of the voting rights of the shareholders or associates of that entity;

(b) the direct or indirect holding, in fact or in law, of decision-making powers in the legal entity concerned.

Am I eligible?

Affiliation vs Conflict of Interest

WHAT IS A CONFLICT OF INTEREST?

Conflict of interest is any situation where the impartial and objective implementation of the project is compromised for reasons involving economic interest, political or national affinity, family or emotional ties or any other shared interest.

If applicants have a relationship with SynchroniCity project partners and feel that this may lead to a conflict of interest, please declare the potential conflict of interest when completing your application. On your application form, you will be able to disclose the type of conflict of interest, names of organisation and people involved, the potential financial interests and rewards (if applicable), a possible violation of legal requirements (if applicable), measures to mitigate the potential conflict of interest and any other information you wish to disclose.

This information will be assessed by the Open Call Evaluation Committee (OCEC).

Eligible/Ineligible costs

ARE COSTS RELATED TO HARDWARE ELIGIBLE?

SynchroniCity doesn't fund infrastructure costs. The project builds on the assumption that the participating cities are offering up their *existing* IoT infrastructure and related data streams in a simple, common way following the OASC interoperability points and mechanisms. There is neither time nor budget in a SynchroniCity pilot to deploy, demonstrate and evaluate a service if the infrastructure isn't there already or can be established by adding to, integration in and/or upgrading existing deployments. The guiding principle for assessing whether hardware cost is eligible is alignment with the **open call objectives**, especially to validate the OASC approach in a large-scale mainstream way, and the **evaluation criteria**, especially those of feasibility and sustainability. In the open call documentation, we distinguish between *infrastructure* and *materials*, indicating the role of the hardware as *supporting* the existing infrastructure, *not constituting* substantially new infrastructure. Please note, however, that the pilot is very welcome to provide additional co-funding from other sources, public or private, to deploy infrastructure, as long as it is feasible within the timeframe of the pilot.

SUMMARY: Yes, but only under very specific conditions, and under no circumstances more than 25% of the total requested contribution from SynchroniCity.

Support during application

OPEN FORUM

Ask questions or review answers to previous questions. This repository will be the quickest way to find answers.

HELPDESK

helpdesk@synchronicity-iot.eu
For private questions.

WEBINARS

Webinars for those applicants that cannot physically attend some of the Launch Events and Clinics.

CLINICS

Launch Event and Clinic where applicants will receive support in person during the open call application period.

CONNECT

Section on the website to facilitate the encounter of other SMEs and partners which want to participate in the open call. It is though the responsibility of each applicant to find the right partner if they wish to form a Pilot Group.

FAQs

Connect with others – find partners

SYNCHRONICITY

HOME CITIES OPEN CALL ▾ NEWS EVENTS DOCS ABOUT 🔍

CONNECT

There are a few different ways that you can collaborate with others to create a Pilot Group and submit an application for the SynchroniCity Open Call.

SIGN UP NEW PILOT CITIES

Is your city interested in becoming a new open call pilot city? Sign up here so that SMEs and Pilot Groups can reach out to you.

[Sign up your city](#)

OFFER A SOLUTION OR SKILL

Have you got a solution, skill or expertise to offer to a Pilot Group? Create an advert detailing what you can offer to enable others to reach out to discuss a potential collaboration.

[Make an offer](#)

REQUEST A SOLUTION OR SKILL

Need additional skills to form your Pilot Group and create a proposal? Create an advert with details of what type of partners you are looking for.

[Make a request](#)

CONNECT WITH OTHERS

☐ Solutions or Skills offered ☐ Solutions or Skills required

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

[Climate Change Adaptation](#)

[Enabling Mobility-as-a-Service \(MaaS\)](#)

[Encouraging non-motorised \(active\) Transport](#)

[Increasing a greater Level of Diversity in Political Engagement](#)

[Increasing Citizen Engagement in Decision Making](#)

[Open Challenge](#)

[Reducing Air and Noise Pollution](#)

Technical Framework

Basic principles

You need to demonstrate your solution is **interoperable, replicable and reusable** across the cities and across sectors.

There are some mandatory requirements that your proposal needs to cover:

- Use of SynchroniCity data available on the Core Pilot Cities in which you want to pilot your solution through Synchronicity based common data models.

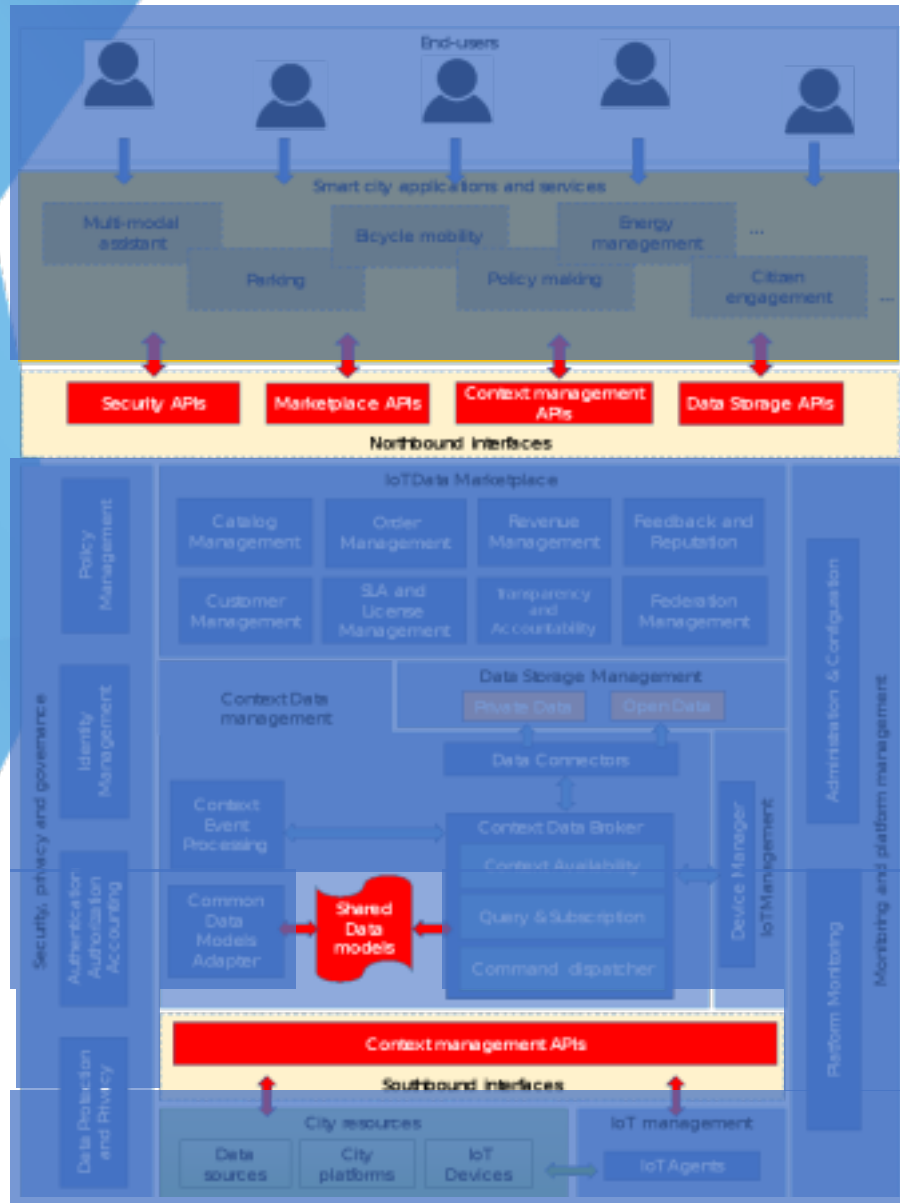
Note that you can use your own data if this is made available to the cities.

- Use Synchronicity API to access data and security

In addition, you may:

- Use external/additional information that needs to be converted to SynchroniCity data models (e.g. NGSI)

Interoperability Points



- **Interoperability Points** represent the main interfaces that allow a cities and applications to interact with SynchroniCity platform
- Interoperability points are independent from the specific software components that realize them and can be implemented by cities in different steps to reach different levels of compliance
- **Interoperability Mechanisms** are the actual specifications of the interfaces at the Interoperability points: they are standard API and guidelines that have to be implemented by a city in order to be compliant with the SynchroniCity framework

Interoperability Mechanisms

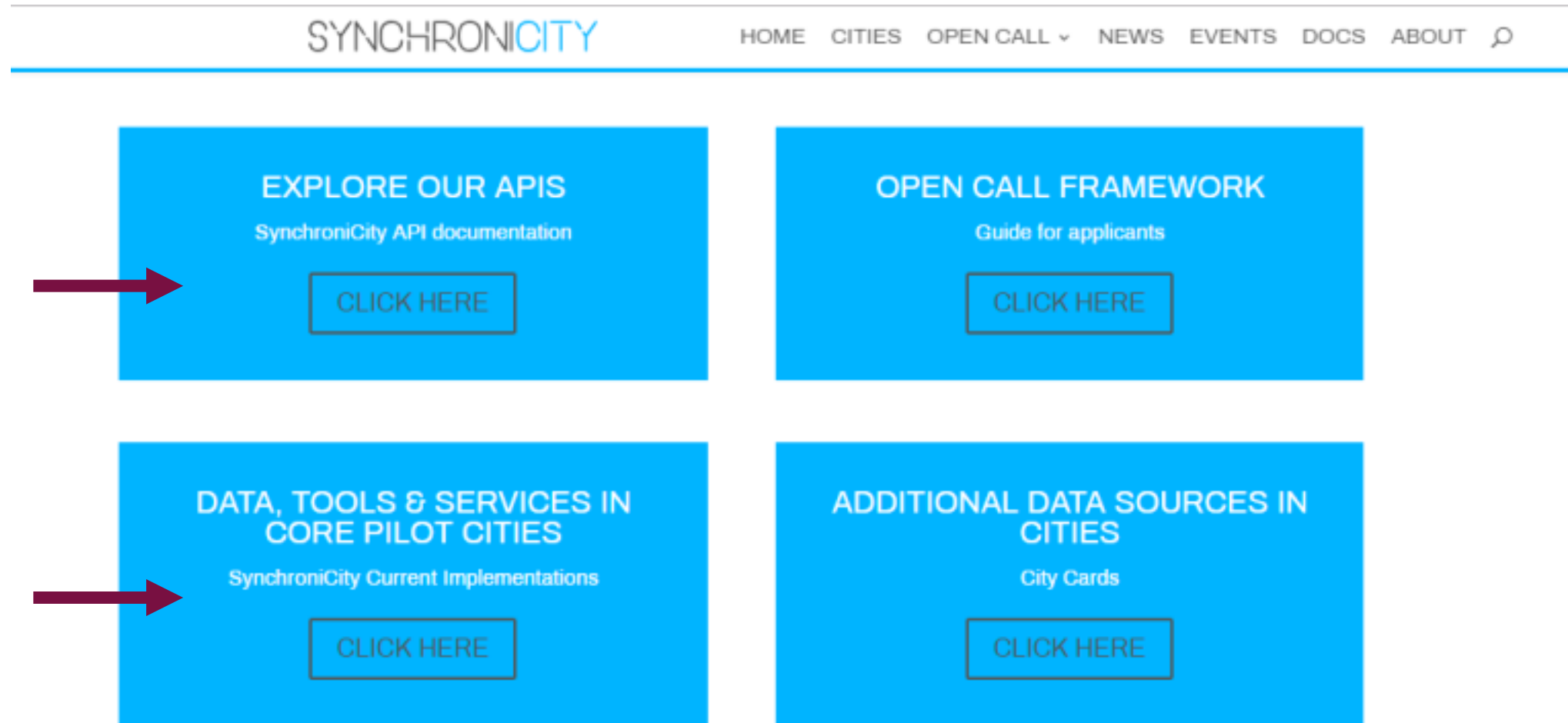
	Description	Specification document (http://synchronicity-iot.eu/docs/)	Related Standards [and Baselines]
Context Management API	This API allow to access to real-time context information from the different cities.	https://synchronicityiot.docs.apiary.io/#reference/context-management-api Reference Architecture for IoT Enabled Smart Cities (D2.10)	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)	[FIWARE + SynchroniCity RZ 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) https://synchronicityiot.docs.apiary.io/#reference/marketplace-api	[TM Forum API]
Security API	API to register and authenticate user and applications in order to access to the SynchroniCity-enabled services.	https://synchronicityiot.docs.apiary.io/#reference/security-api	OAUTH2
Data Storage API	This API allows to access to historical data and open data of the reference zones.	https://synchronicityiot.docs.apiary.io/#reference/data-storage-api-historical https://synchronicityiot.docs.apiary.io/#reference/data-storage-api-opendata	ETSI NGSI-LD, DCAT-AP [CKAN]



**Most updated
available data from
cities is on our
Website!**



Website – Technical Framework



Data available

Currently available through SynchroniCity
API and data model

Will be available (by September) through
SynchroniCity API and data model

Available through Data platform, but not in
NGSI/SynchroniCity data model

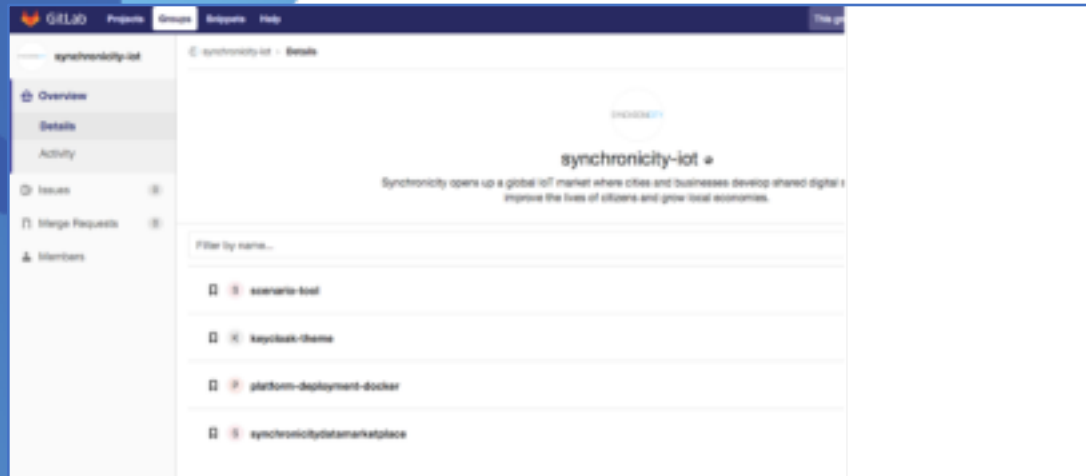
To be verified

CURRENT IMPLEMENTATIONS IN CORE PILOT CITIES

Data Type	Antwerp	Carouge	Eindhoven	Helsinki	Manchester	Milan	Santander	Porto
Noise Level								
Air Quality Data								
Public Transport Fleet Vehicles								
Municipality vehicles location and speed								
Cyclists								
Cyclists								
Points of interest (POIs) data								
City Event								
Traffic constraints								
ParkingSpot								
Parking (OffStreet)								
Parking (OnStreet)								
Bus stop								

Live updates on
*Website → Open
Call → Technical
Framework*

Project Resources



<http://synchronicity-iot.eu/>
<https://synchronicityiot.docs.apiary.io/>
<https://gitlab.com/synchronicity-iot>
<https://opendata.synchronicity-iot.eu/>
<https://iot-data-marketplace.synchronicity-iot.eu/>

Q&A

Administrative & Technical

Q&A open call topics



**TARGET AUDIENCE
& PILOT GROUPS**



**FUNDING & ELIGIBLE
COSTS**



TECHNICAL FRAMEWORK



**SELECTION & EVALUATION OF
PROJECTS**



CITIES & CITY CHALLENGES



SUPPORT

Pitches from **SynchroniCity** Cities

ANTWERP

An abstract geometric pattern composed of various-sized triangles in shades of gray, located in the bottom right corner of the image. The triangles are arranged in a way that creates a sense of depth and movement, with some pointing upwards and others downwards.

SYNCHRONICITY

Open call Antwerp

Local contact Koen.kerckhofs@digipolis.be

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Switzerland



South Korea



Mexico



ATYPICAL
ANTWERP

City of Antwerp



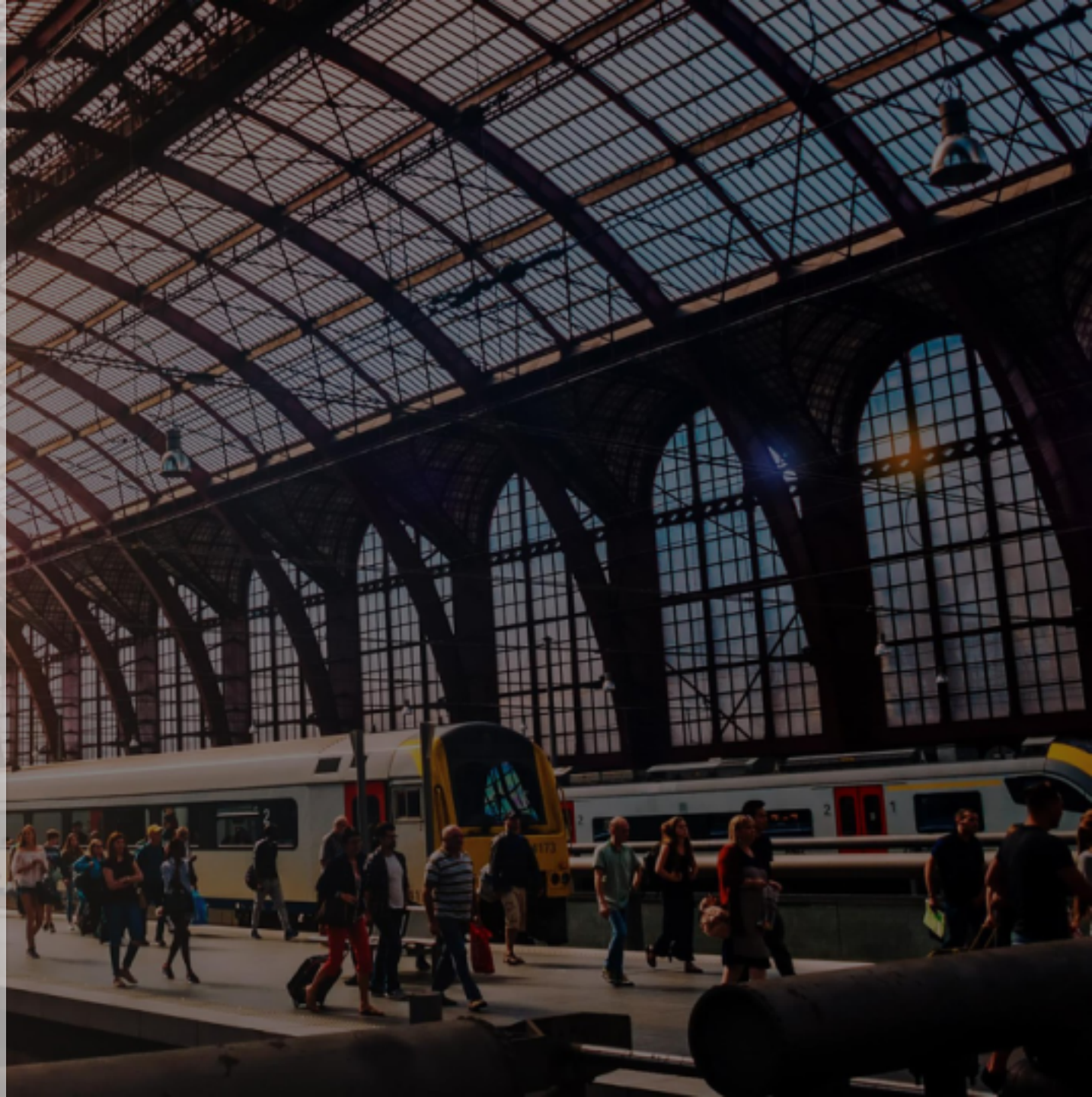
+ 500,000 inhabitants in the city of Antwerp

+ 1,5 mio inhabitants in the Antwerp region

+ 80,000 companies

± 246.127 employees

± 40,000 students



Theme Environment and wellbeing

ENVIRONMENT
& WELLBEING



Heatwave



Homegrown ideas



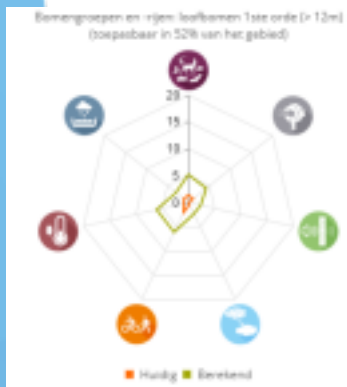
Airquality



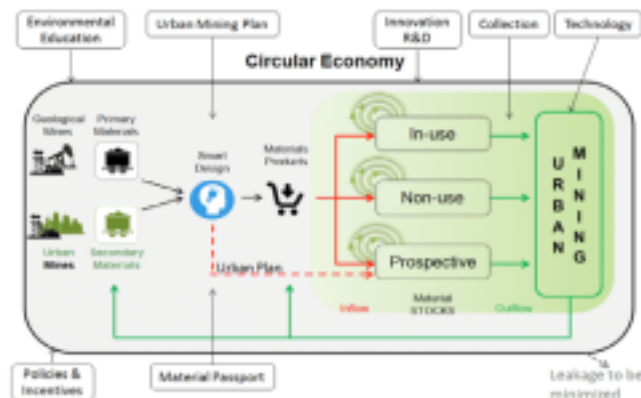
Spring tide/flash floods



Greentool Antwerp



Circular economy



Energy
Climate change
& mitigation
Water
Air
Noise
Green

Theme Sustainable Mobility

User experience



Sharing everything



Mobipoints



50/50 modal split by 2030

Modal shift

Time shift

Mental shift

Platforms



MaaS



Datasets for Antwerp

Government sites

Datasets on the Antwerp City Platform ACPaaS.

e.g. Bike tracking data, Big Belly usage.

<http://portaal-stadantwerpen.opendata.arcgis.com/datasets>

309 API based datasets from Antwerp

e.g. Bike sharing and public transport stations.

Datasets on opendata.vlaanderen.be

More than file based 5000 datasets

e.g. Traffic counters updated and aggregated per minute.

Datasets IMEC

e.g. Air quality

Public transport sites

Realtime data API for train (NMBS).

Realtime data API for tram and bus (DeLijn)

Please contact Digipolis if you want to integrate the datasets from the government sites in your solution.

Digipolis will assess the feasibility to harmonize the dataset to NGSI data models on our local Synchronicity framework.

Let me drink about it
and get back to you.



CAROUGE

The background of the image is a dark gray color. In the lower portion, there is a decorative graphic consisting of several overlapping triangles in various shades of gray, creating a low-poly, mountain-like silhouette.

EINDHOVEN



Challenges & Needs Eindhoven

Sustainable Mobility

- 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

Environment & Wellbeing

- Climate Change mitigation
 - * How to reduce heat stress;
 - * How to reduce CO₂ emission
- Reducing air and noise pollution

Citizen Engagement

- Increasing citizen engagement in decision making
- Increasing a greater level of diversity in political engagement

Open theme



Data sets Eindhoven

- Air Quality Data
- Cyclists
- Traffic Flow
- Noise Level
- Public Transport Fleet Vehicles (via National ODP)
- Parking off street
- Electric Charching posts
- Civic Issue Tracking
- People Counting
- Cyclists counting
- Traffic lights) facilities

Open data portal Eindhoven: 89 datasets
<https://data.eindhoven.nl>



HELSINKI



Helsinki

Helsinki

- We want to make Helsinki the most functional smart city in the world.
- Helsinki ranked 5th in the "2018/19 Top 50 Smart City" report.
Helsinki is already a good city to pilot!
- The long term goal for Helsinki is to combine renewable energy sources with energy efficient solutions.

SynchroniCity themes

Environment & Wellbeing

- Noise level
- Air quality
- Current Weather
- POI

Sustainable mobility

- City bike data

Helsinki

Open data descriptions
available in the Helsinki
city card:

<https://bit.ly/2N5lrkK>

Contact information:

Veli Airikkala, veli.airikkala@forumvirium.fi

Juha Nummila, juha.nummila@forumvirium.fi

FORUM
VIRIUM
HELSINKI

HELSINKI

Population: 640,000
Urban area: 215 m2
Pilot area: City center,
Kalasatama and Jätkäsaari
residential areas

Helsinki's vision is to be the world's most functional city. Helsinki develops digital solutions, which make it easy for residents to follow and engage in matters of interest and concern to themselves, regardless of whether they are the city's or other actors'.

Helsinki's operating model is based on openness and transparency. Helsinki is the world's leading city in opening up and utilizing public data.

THEMES & CHALLENGES



Encouraging more non-motorized transport



Building and improving mobility as a service



Open challenges



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

- Be the world's most functional city.
- Helsinki develops digital solutions, which make it easy for residents to follow and engage in matters of interest and concern to themselves, regardless of whether they are the city's or other actors'.
- Helsinki's operating model is based on openness and transparency. Helsinki is the world's leading city in opening up and utilising public data..

What's available through the SynchroniCity technical environment?

* Please, check website for details and latest updates

DATA

- Noise Level
- Air Quality

What's available in the City?

DATA (<https://dev.fvh.fi/>)

- [Park & rides](#)
- [Helsinki road signs and parking lots](#)
- [Traffic Accidents in Helsinki](#)
- Real-time location information of all trams, metros, most buses (whole city), [open API](#)
- [Public transit APIs](#)
- [Public transport routing API consisting of all modalities](#)
- [Public transport network & timetables \(GTFS\)](#)
- [HSL OpenMaaS API](#) (retail interface for single tickets)
- [Pollution/ air quality, description of the sensor stations](#) (in Finnish)
- [Helsinki region greenhouse gas emissions](#) (in Finnish)
- [Traffic emissions in Helsinki metropolitan area](#)
- [Traffic noise zones in Helsinki metropolitan area](#)
- Realtime air quality, 100 measurement points (PM2.5, NO2)
- [Mesoscale weather forecasts](#)
- [Foreca Weather API](#)
- HSY real time air quality
- Helsinki region energy consumption
- [Energy Atlas with e.g. solar power potentials](#)
- [City3D model open data CityGML](#)
- Large set of static data and geospatial (2D, 3D) open data
- [Map API](#) (<https://dev.hel.fi/apis/service-map-backend-api/>)
- [Geocoding API](#)
- [Open Ahjo - open decision-making API](#)
- [Service map API for Helsinki city services](#)
- [CitySDK API Package](#)

ASSETS

- LoRa
- SigFox

IOT INFRASTRUCTURE

- EV charging points
- Sensor (air quality) - 10 devices
- Sensor (telematics) - 2 devices
- Sensor (water meter) - 10 devices
- City NFC Travelcard (0,8M users), access control and identification and loyalty points (identity and services in chip)
- 22 public interactive displays in street scape for pedestrian mobility management
- Platforms
 - Helsinki Region Transport HSL APIs (<https://www.hsl.fi/en/opendata>)
 - Open Helsinki APIs (<http://dev.hel.fi/apis/>)
 - OpenTripPlanner (<http://www.opentripplanner.org/>)
 - Helsinki Region open data platform (www.hri.fi)
 - National and Helsinki Region journey planner (<https://digitransit.fi/en/developers/>)
 - Government open APIs (road use) (<https://www.liikennevirasto.fi/web/en/data>)

MANCHESTER



MILAN



Data

Name	Description	SC
Air Quality Data	Parameter: PM2.5 particles, PM10 particles, Ozone (O ₃), Nitrogen dioxide (NO ₂), Carbon monoxide (CO), Benzene measurement Data model: AirQualityObserved Data provider: ARPA Sensing infrastructure: Environmental sensor network (ESN)	Y
Weather conditions	Parameter: Temperature, pressure, humidity Data model: WeatherObserved Data provider: CdM Sensing infrastructure: Environmental sensor network (ESN)	Y
City Event	Data: Events data Data model: Event Data provider: CdM	Y
Points of interest (POIs)	Data: Points of interest (POIs) data (Tourism, culture, commercial activities, spare-time, public services, etc) Data model: PointOfInterest Data provider: CdM	Y
Parking	Data: Parking areas and spots Data model: OffStreetParking & OnStreetParking Data provider: CdM	Y
Public Transport	Data: Bus, Metro and Urban Train lines and stations & Time schedules Data model: GTFS Data provider: CdM & Public transport companies	Y
Bike lanes & Bike share Stations	Data: Bike lanes map and bike sharing station info Data model: BIKEHIREDOCKINGSTATION & others TBD Data provider: CdM & Bike sharing companies	Y
Parks & Gardens	Data: Parks and gardens Data model: a Ardens Data provider: CdM	Y
Car Sharing Stations & Electric Charging Posts	Data: Car sharing station and charging posts for electric cars Data model: EVCHARGINGSTATION Data provider: CdM	Y
Roads and Restricted Areas	Data: Official municipality street naming and restricted areas Data model: Roads and RestrictedAreas Data provider: cdm/synchronicity-iot.eu/data-tools-services-in-core-pilot-cities	Y

Further data sources outside Synchronicity framework

<http://www.e015.regione.lombardia.it/>; <https://dati.lombardia.it/>

Challenges



Second largest city in Italy, with 1.366 million inhab.

Most relevant topic

- Urban mobility
- Sharing economy
- Innovation and industry 4.0 policies;
- Social Innovation;
- Energy management –
- Circular economy;
- Resilience
- Citizen's engagement.
- Regeneration/renewal in neighbourhoods outside of the city centre
- Physical and Digital Accessibility

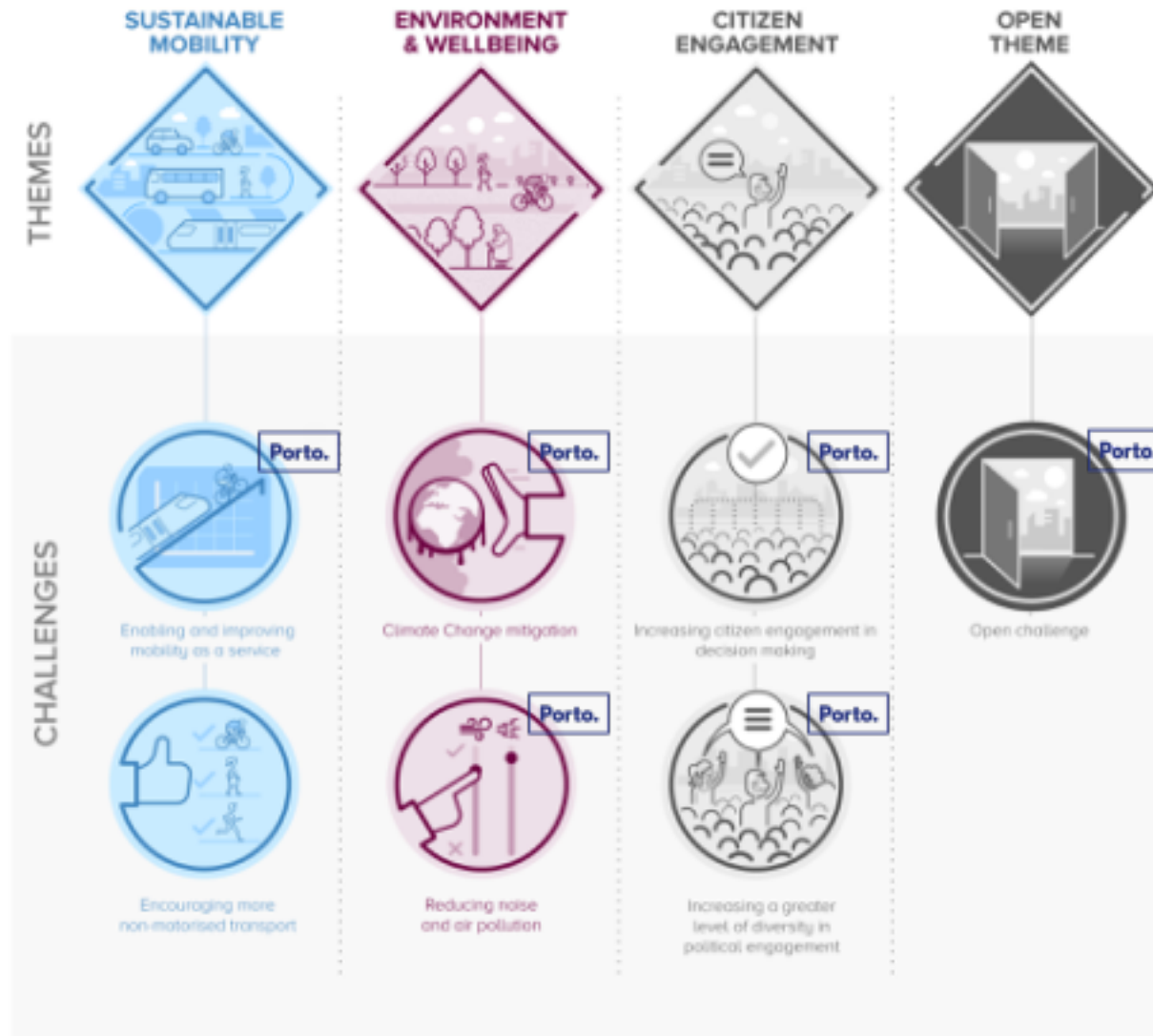
PORTO



Data

Name	Description	SC
Noise	Parameter: Noise Data model: NoiseLevelObserved Data provider: CMP Sensing infrastructure: Environmental sensor network (ESN)	Y
Air pollutants	Parameters: PM2.5 particles, PM10 particles, Ozone (O ₃), Nitrogen dioxide (NO ₂), Carbon monoxide (CO) measurement Data model: AirQualityObserved Data provider: CMP Sensing infrastructure: Environmental sensor network (ESN)	Y
Meteorological parameters	Parameters: Solar radiation, ultraviolet radiation, wind direction and speed, rainfall, atmospheric pressure, air temperature and humidity measurement (ESN sensing stations) Data model: WeatherObserved Data provider: CMP Sensing infrastructure: Environmental sensor network (ESN)	Y
Vehicle location and speed	Parameters: Vehicle location and speed Data model: Vehicle Data provider: CMP Sensing infrastructure: on-board GPS sensors	Y
Vehicle counters	Parameters: Vehicle count Data model: TrafficFlowObserved Data provider: CMP Sensing infrastructure: SGT/road embedded induction loops	Y
POIs	Data: Points of interest (POIs) data Data model: PointOfInterest Data provider: ATP Data infrastructure: BDRT	Y
Events	Data: Events data Data model: Event Data provider: ATP Data infrastructure: nEventos	Y
Public transportation	Data: Public transportation data (schedules, routes, lines, stations/stops, etc.) Data model: UrbanMobility (several) Data provider: Transportation service providers	N
Traffic constraints	Data: Temporary traffic constraints (scheduled events, accidents, etc.) Data model: Open511 (TBC) Data provider: CMP (Municipality of Porto)	N
Weather forecast	Data: Weather forecast service Data model: WeatherForecast Parameters: Precipitation probability, relative humidity, temperature, weather type, wind direction, wind speed) Data provider: IPMA	Y

Challenges



SANTANDE
R





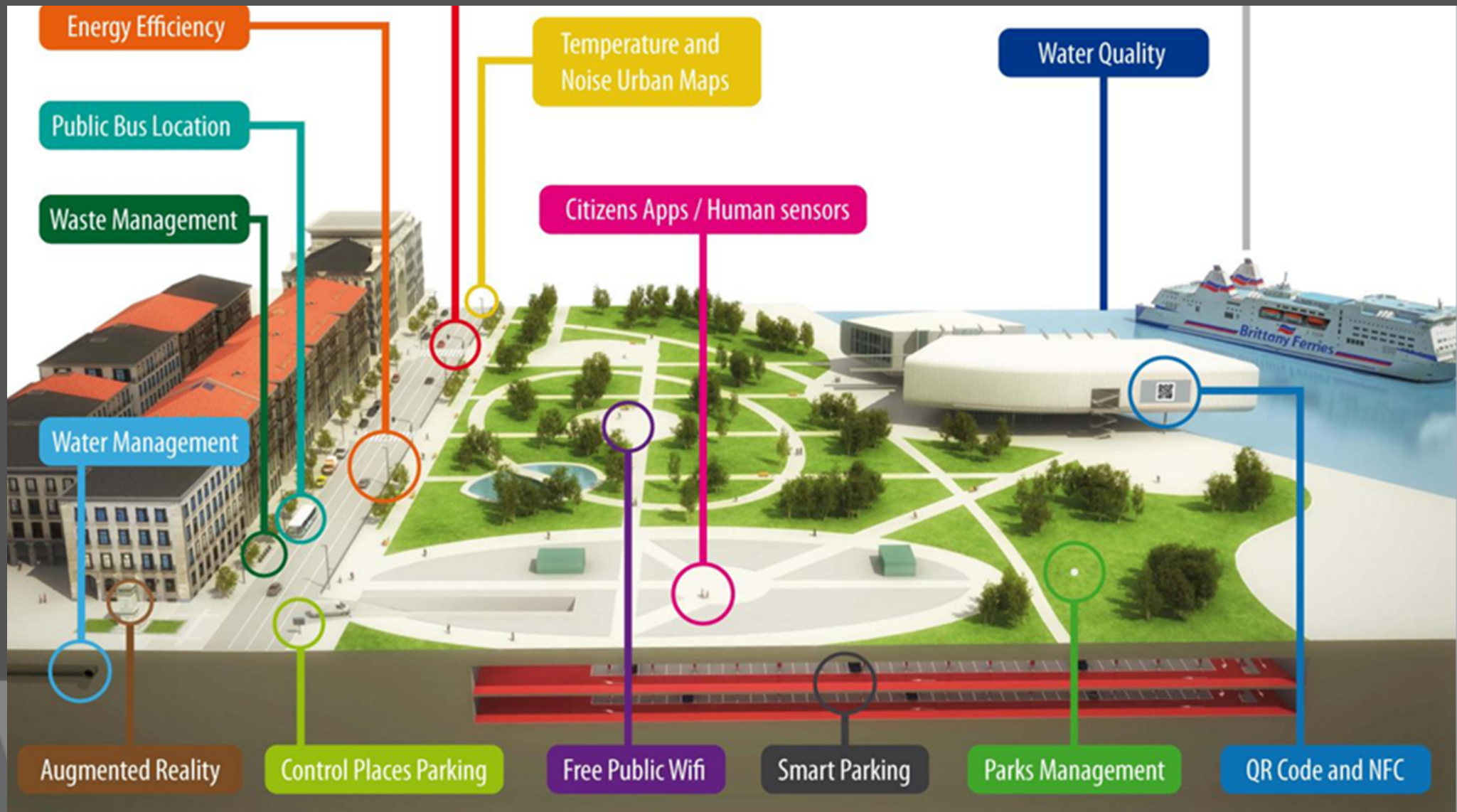
Santander



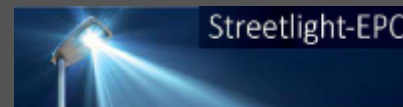
Santander city



- ✓ Located on the **north coast of Spain**
- ✓ **capital** of the Region of Cantabria
- ✓ **Oceanic** climate
- ✓ **173.000** inhabitants
- ✓ Area of **33 km2**



Living laboratory for innovative initiatives



Q&A

Cities

synchronicity-iot.eu/cities/

SYNCHRONICITY

Visit our website
synchronicity-iot.eu

Follow us on Twitter
[@SyncCityIoT](https://twitter.com/SyncCityIoT)

Follow us on Facebook
[@SynchroniCityiot](https://www.facebook.com/SynchroniCityiot)

General information
info@synchronicity-iot.eu

Open Call enquiries
helpdesk@synchronicity-iot.eu

Thanks!

The background is an abstract composition of various-sized triangles in different shades of blue, ranging from light sky blue to deep navy blue. The triangles are arranged in a way that creates a sense of depth and movement, with some pointing towards the center and others towards the edges.

EXTRAS

Objectives

Model for **Large-scale standards-based innovation and procurement**

Demonstrate **Interoperability, Replicability, Reusability** and **Scalability** of IoT human-centric solutions across cities

Ecosystem building for **Expansion** and **Sustainability**

Help **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

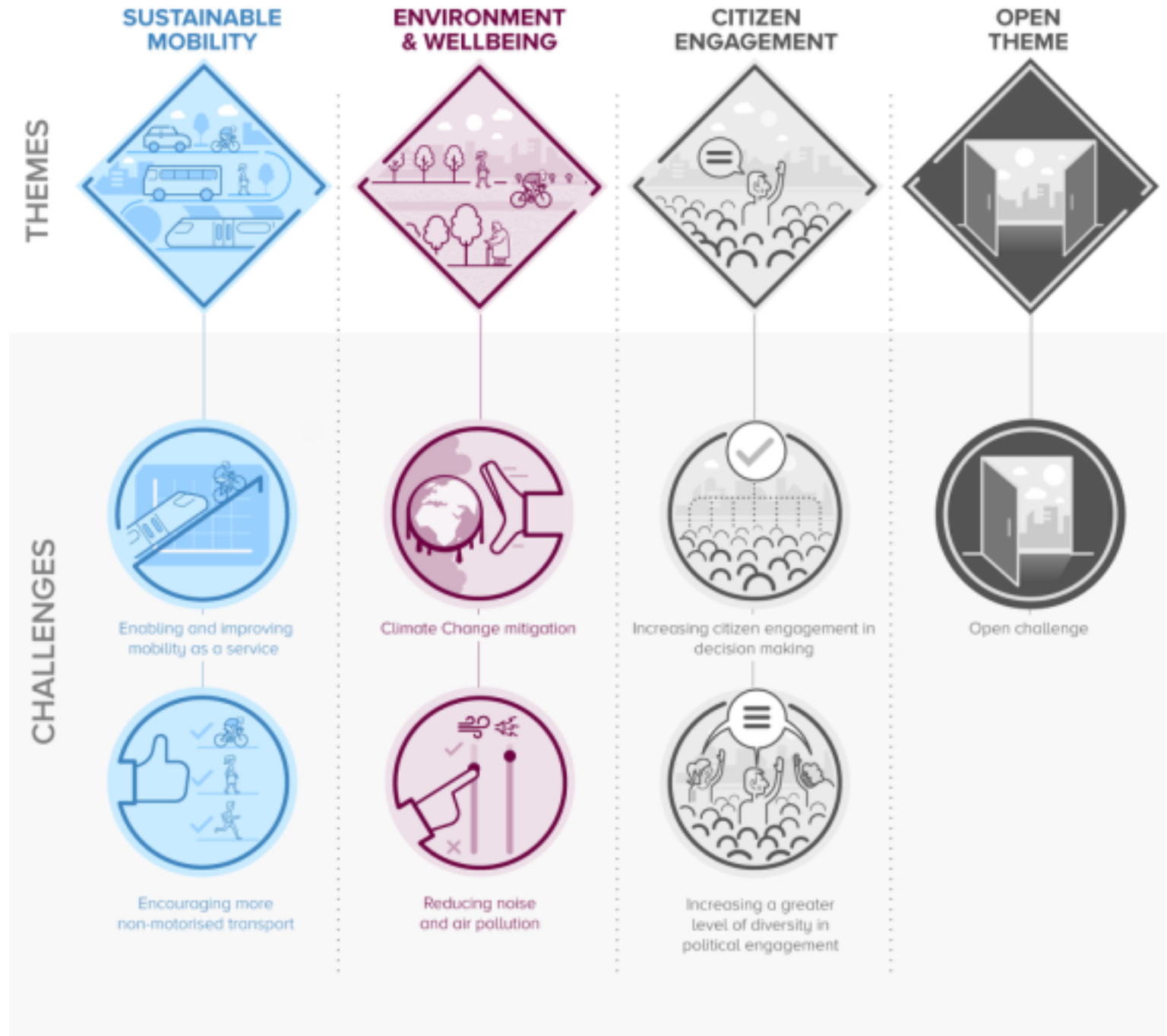


Large Businesses wanting
to become part of
Synchronicity

Pilot Groups

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

Scope

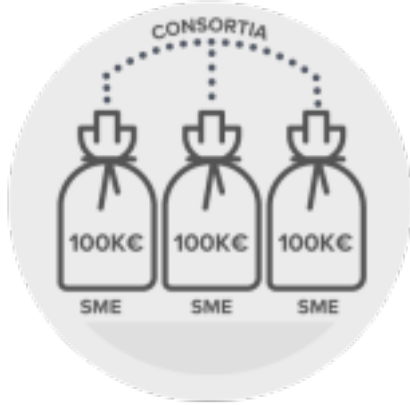




ELIGIBILITY CRITERIA

- 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
- The solution proposed must be piloted in at least 2 cities (preferably more)
- 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

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 total individual budget. The remaining 20% must 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:

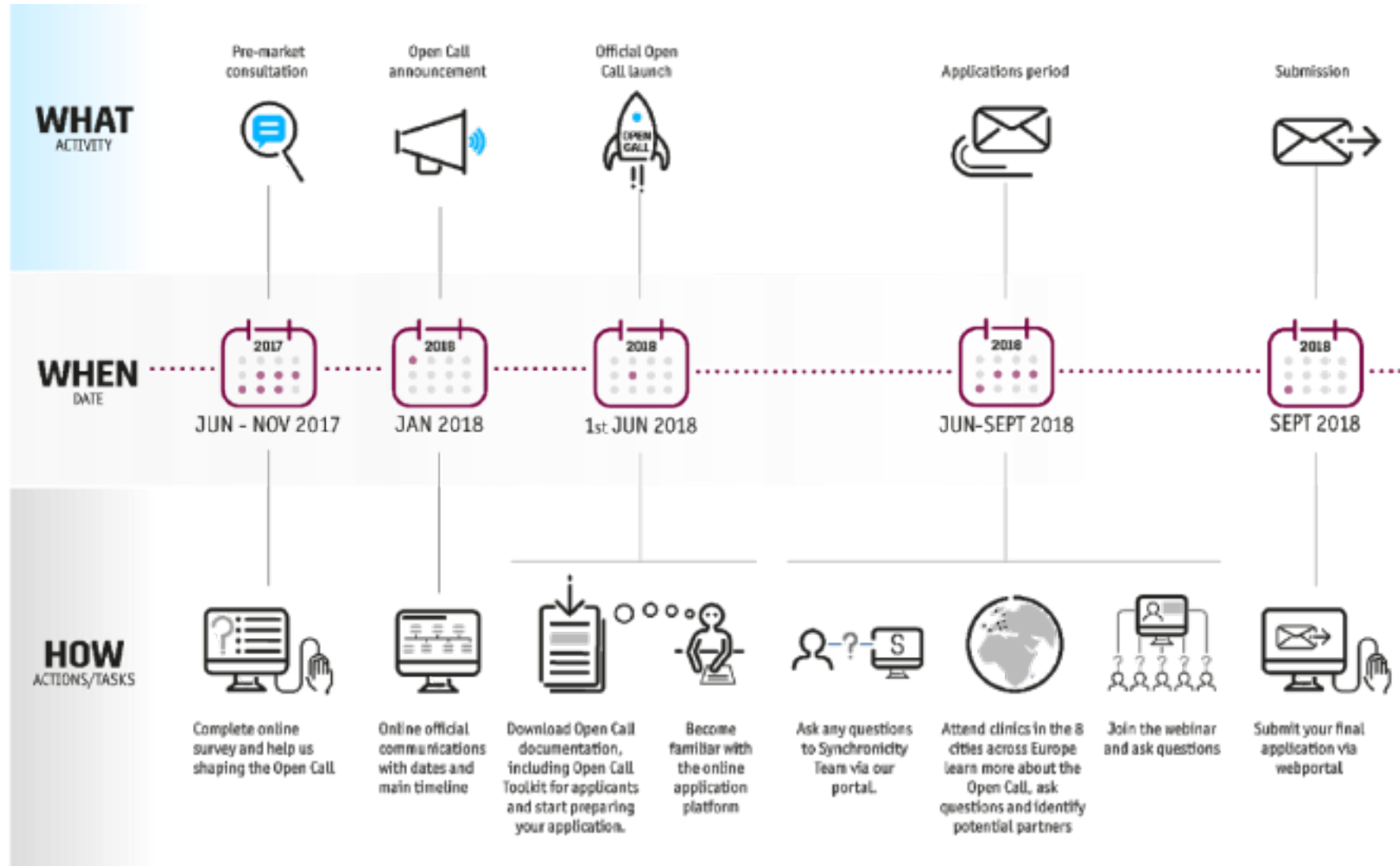
Total cost for the LB/Ci for the project: € 100,000.

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

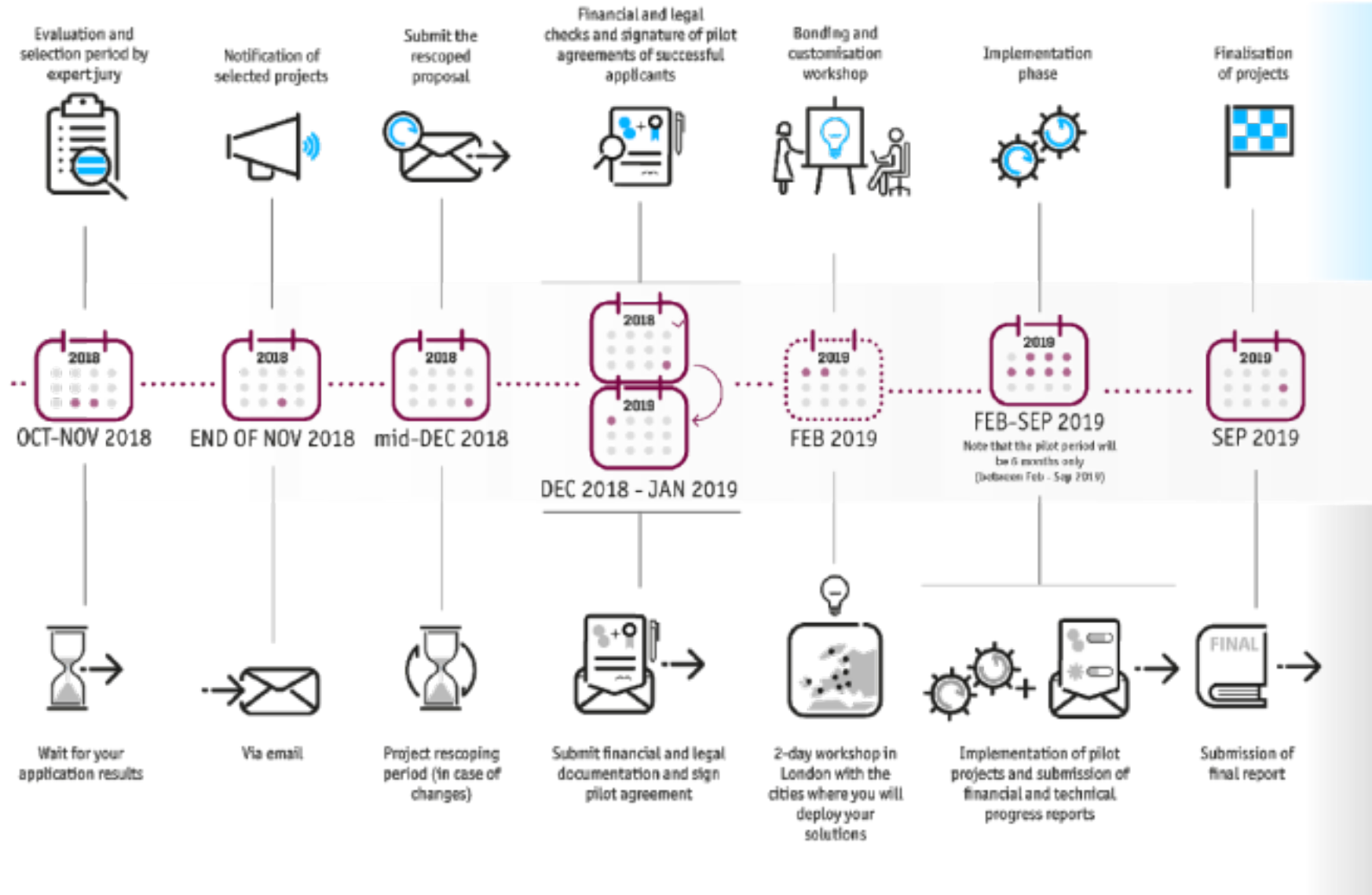
Total cost of the project € 250,000.

- 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

Timeline



Timeline



Technology Readiness Level

TRL 1 – basic principles observed

TRL 2 – technology concept formulated

TRL 3 – experimental proof of concept

TRL 4 – technology validated in lab

TRL 5 – technology validated in relevant environment (industrially relevant environment in the case of key enabling technologies)

TRL 6 – technology demonstrated in relevant environment (industrially relevant environment in the case of key enabling technologies)

TRL 7 – system prototype demonstration in operational environment

TRL 8 – system complete and qualified

TRL 9 – actual system proven in operational environment (competitive manufacturing in the case of key enabling technologies; or in space)



Administrative – IPR and Evaluation and Application Process

- Start your Application in the **Submittable platform** (link on the main Open Call site).

SYNCHRONICITY

SynchroniCity Open Call - Administrative Questionnaire

Ends on September 30, 2018

More ▾

Apply

SynchroniCity Open Call - Technical Questionnaire

Ends on September 30, 2018

More ▾

Apply

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 *Sharing Agreements* between the SME or Pilot Group and the relevant open call pilot cities.

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? **KPIs?** 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) ! (Technical, Team, Budget & Workplan)

- 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? How can you **demonstrate the interoperability, replicability and reusability of your solution?** 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?

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)

OCEC DISCUSSION

Finalist List

List Projects from
Highest Score to
Lowest

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

COLLECTION OF
AVERAGE SCORE
+ FEEDBACK BY
OCEC

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