

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

Open Call Launch Milan

Milano Smart City: Business Speed Date

19 giugno 2018

Assolombarda, Milano

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Comune di Milano

Direzione Sistemi Informativi e Agenda Digitale



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Co-funded by



Switzerland



South Korea



Mexico



Outline

1. **EU projects involving Milan**
2. **Synchronicity project**
3. **The Open Call**

EU Projects involving Milan

 Boosting Social Innovation	 Dynamap Mappatura dinamica del rumore	 EUGUGLE	 Nacca New Approaches in the Conservation of Contemporary Art	 OpenAgri Uia New Skills for New Jobs in Periurban Agriculture	 OpenCare Open Participatory Engagement in Collective Awareness for REdesign of Care Services
 FIT4FOOD2030 Fostering Integration and Transformation for FOOD 2030	 FSC4D Food Smart Cities for Development	 Fr-Evue Validating Freight Electric Vehicles In Urban Europe	 Prepair Miglioramento della qualità dell'aria in accordo con la strategia europea "Aria pulita per l'Europa".	 Sharing Cities	 Synchronicity Sperimentazione su larga scala servizi IoT
 TriFOCAL Transforming City Food Habits for Life	 URBACT Food for Cities	 progetto CAMPUS Centro Servizi di Polizia Urbana in Area Metropolitana			

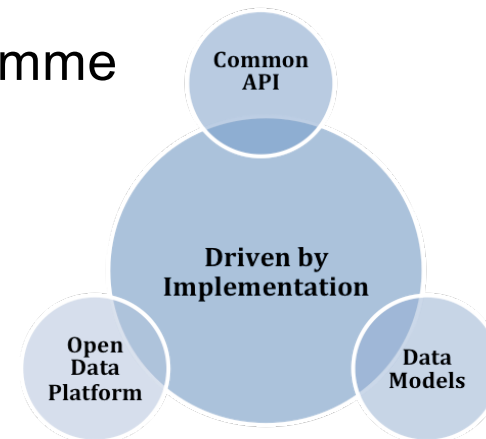
Synchronicity project

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.

20 m€ (3 m€ Open Call); 39 partners; 13 Countries; 36 months

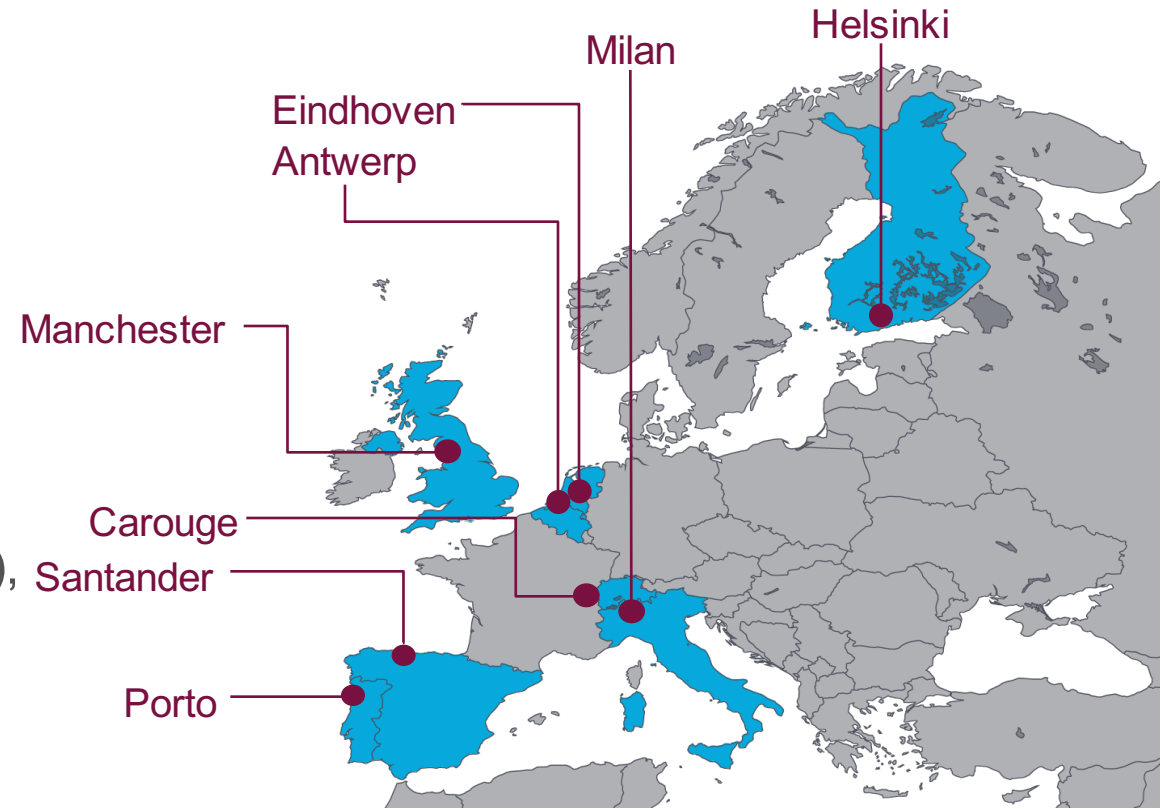
Horizon 2020 Pillar: Industrial Leadership
Cross-cutting activities
Call: Internet of Things
European Large-Scale Pilots Programme

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Pilot cities

- **Pilot cities:** Antwerp (BE), Eindhoven (NL), Helsinki (FI), Manchester (UK), Milan (IT), Porto (PT), Santander (ES), Carouge (CH)
- **Linked cities:** León (Mexico), Seongnam (Korea), Bordeaux (France), Portland (USA)
- **Network:** OASC, AIOTI, EIP-SCC, FIWARE, FIRE.



Objectives of the Open Call

- 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≥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
10-25 city
solutions



Piloting in at **least 2 cities** simultaneously
(but preferably more)

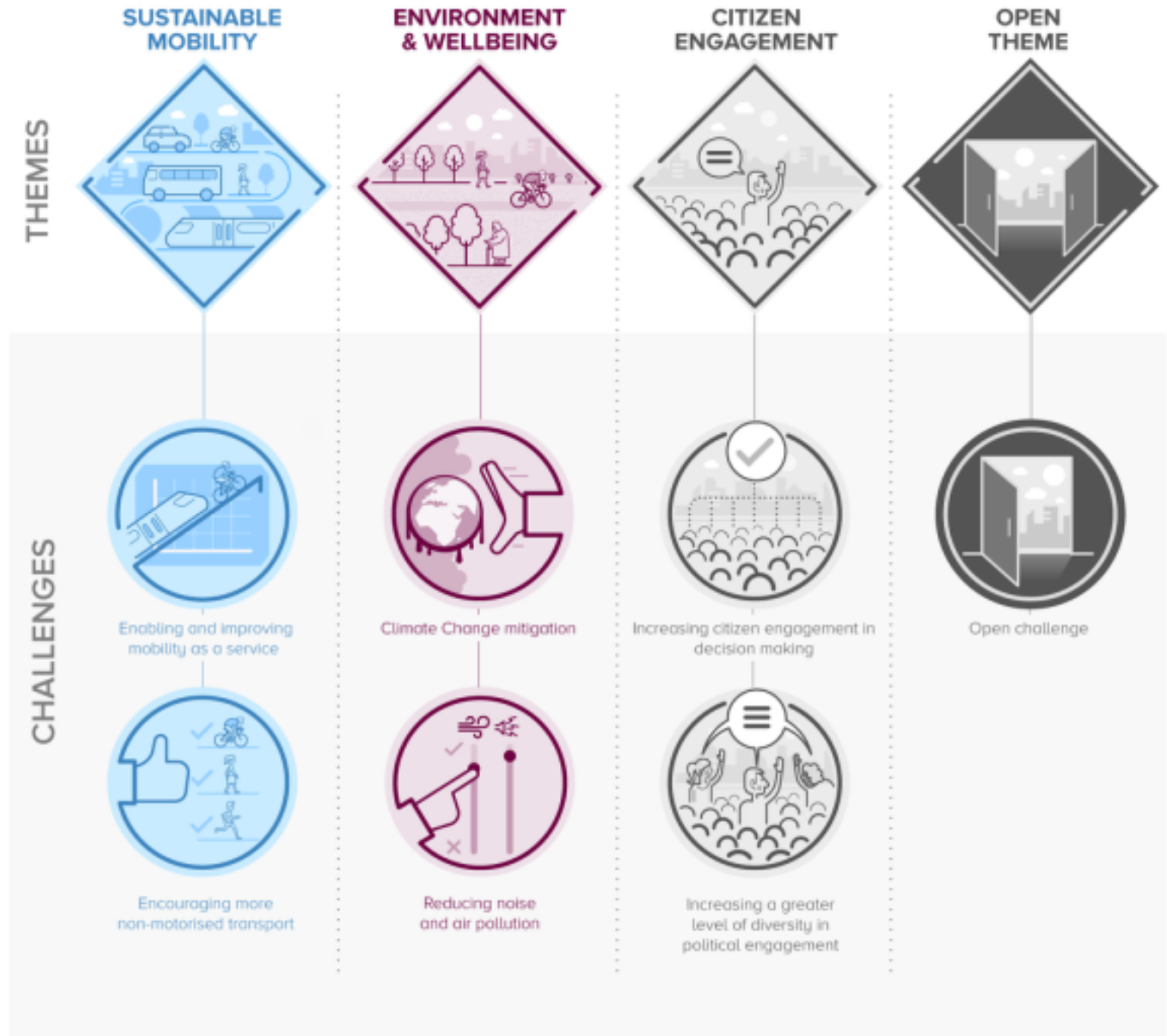


Up to 6 month
demonstration
period

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.

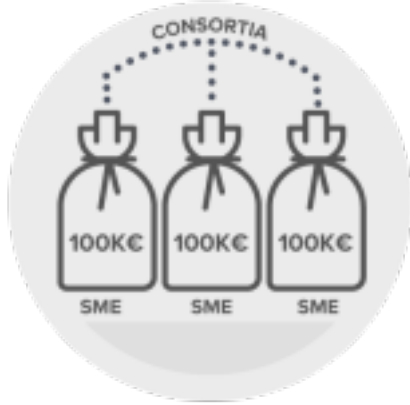
Scope



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	◆	◆	◆	◆	◆	◆	◆	◆

Funding



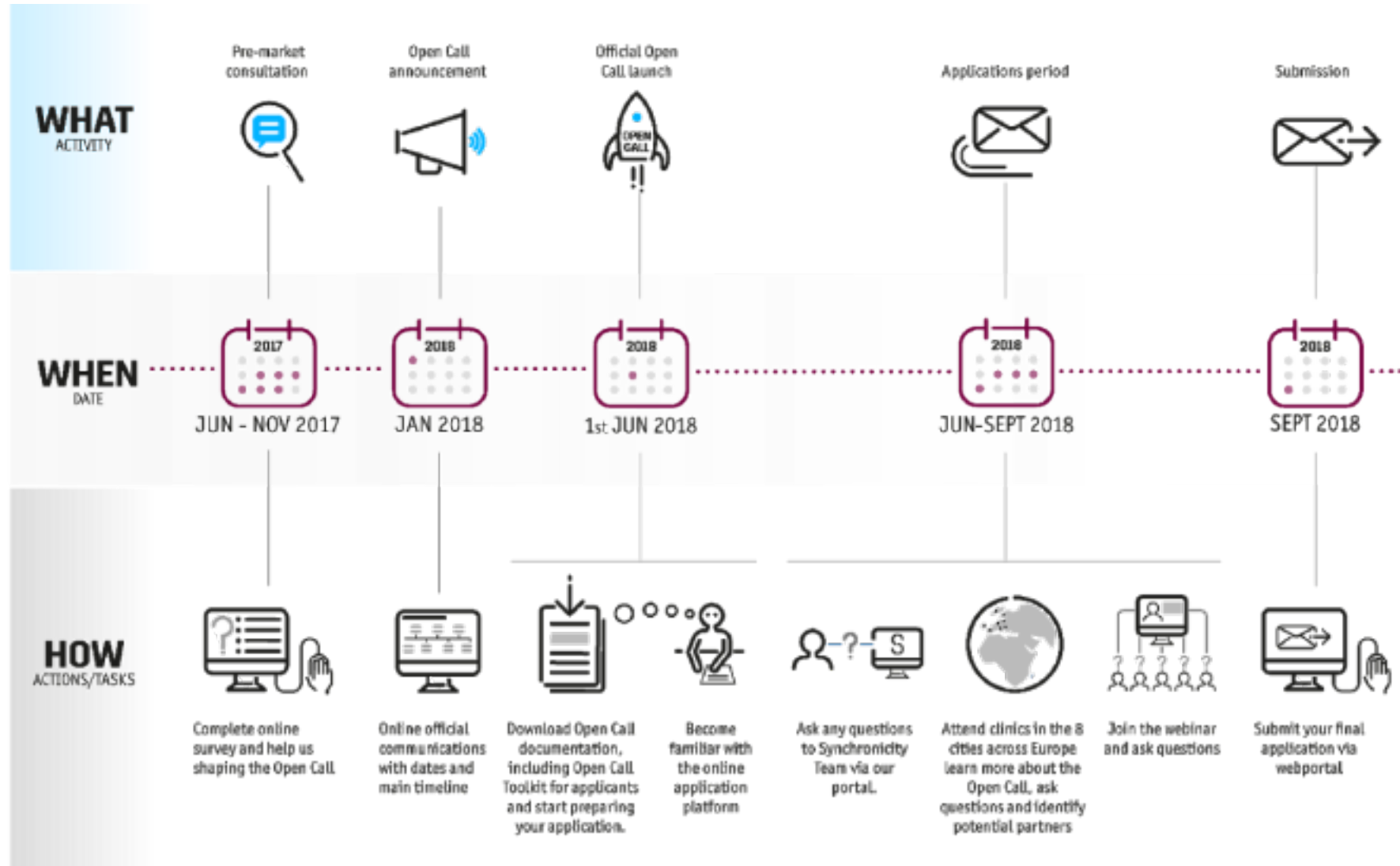
Each application can be funded with:

- 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

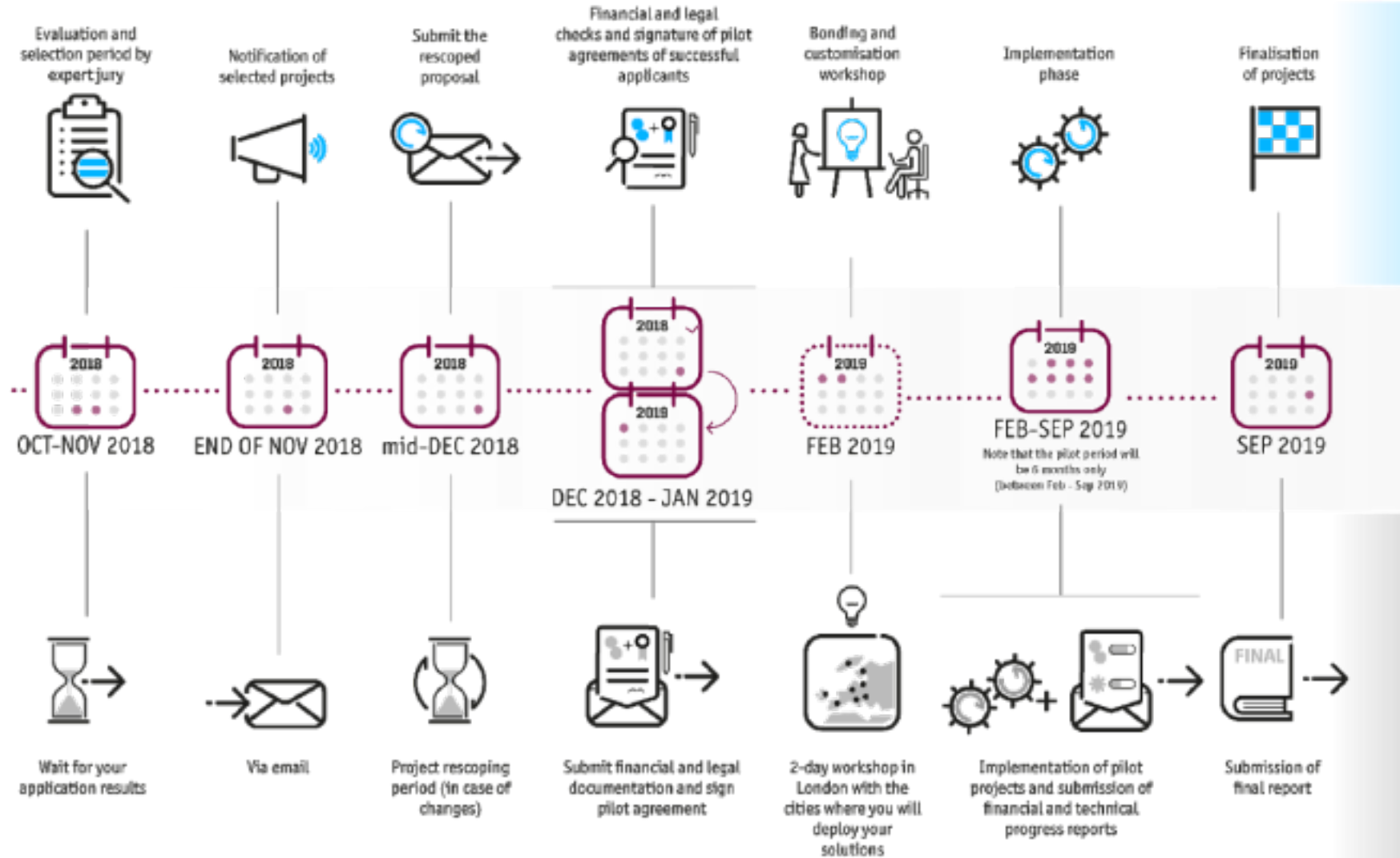
SMEs, cities and large businesses that are not from EU or H2020 associated countries are welcome to participate in the open call but are not eligible for funding.

- Co-fund 80% of the individual total budget. The remaining 20% 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.

Timeline



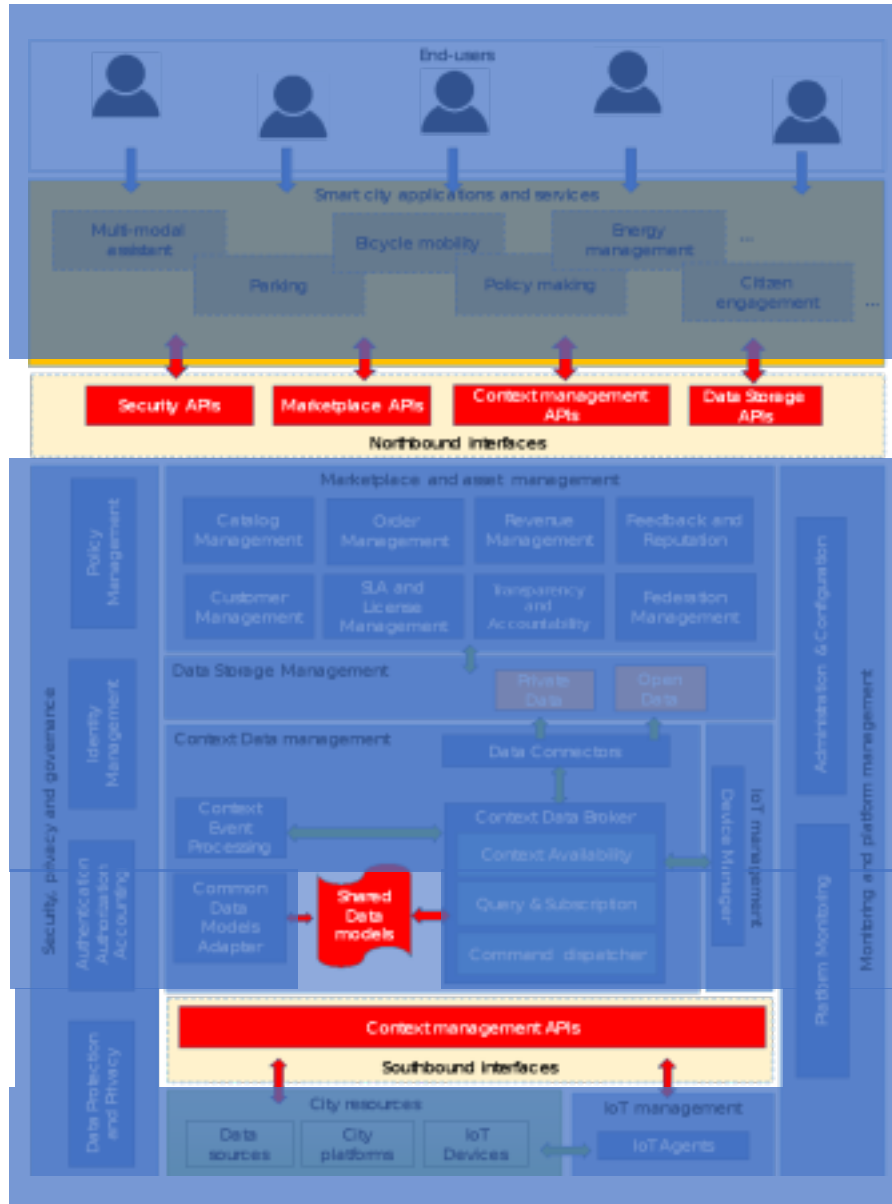
Timeline



Common Technical Ground

1. Neutral branding (OASC –based on standards and consensus specifications)
2. Minimal Interoperability Mechanisms (MIMs)
 - Open APIs
 - Common data models
 - Objective: interoperability, replicability, reuse
3. Reference implementation (standards-based)
4. Hosted cloud option

The Cities & the Technical Framework



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

Cities are currently becoming compliant with the SynchroniCity framework.

You will need to regularly check the website for live updates

<https://synchronicity-iot.eu/openiot.eu/open/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? 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?

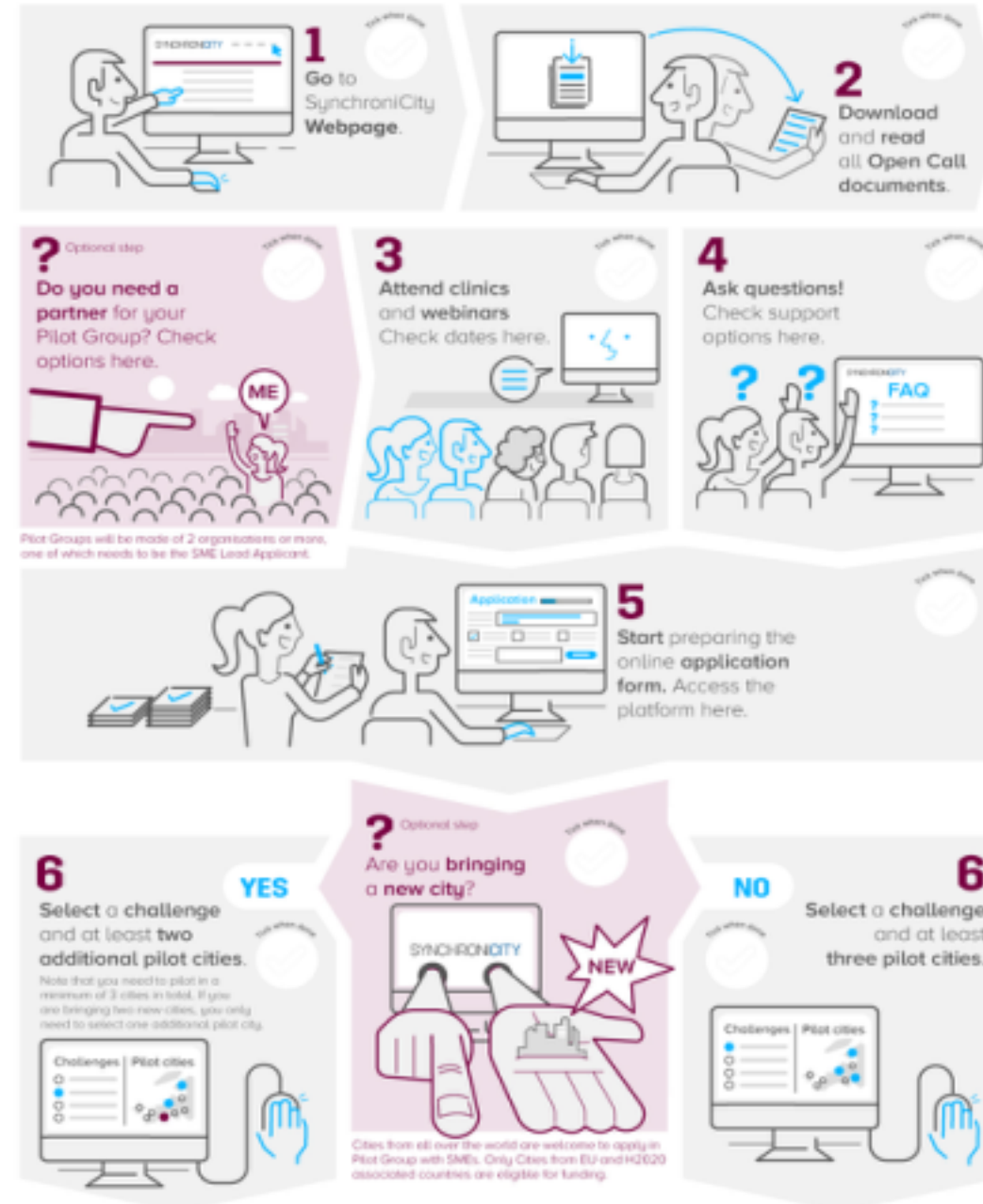
Sustainability (0-5 points)

- 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?

How to apply?

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Application process for SMEs and Pilot Groups



How to apply?

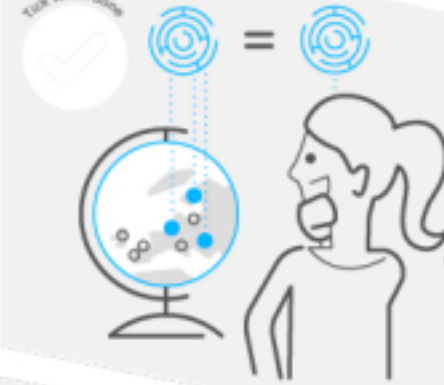
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Make sure that the city will adopt the necessary requirements to become a pilot city.



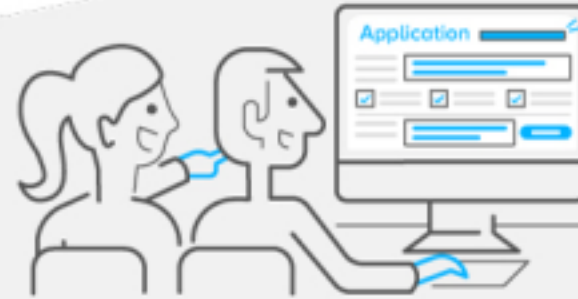
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Make sure that the challenge you are trying to tackle is common to the cities that you selected.



8

Complete the online application form.



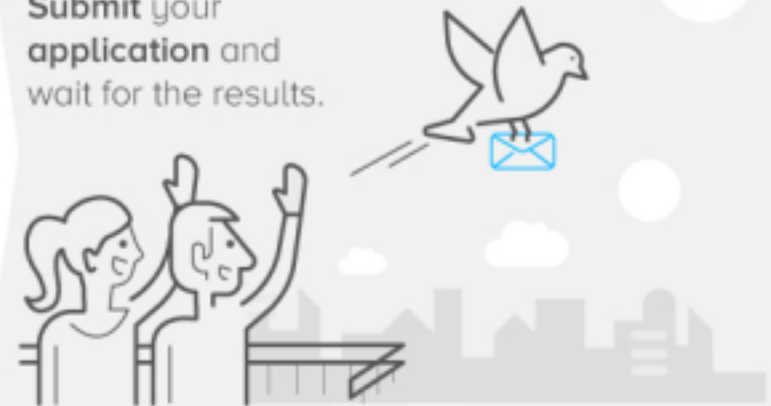
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Provide budget, workplan, resource plan, Ethical statement and GDPR readiness questionnaire. Templates are available here.



10

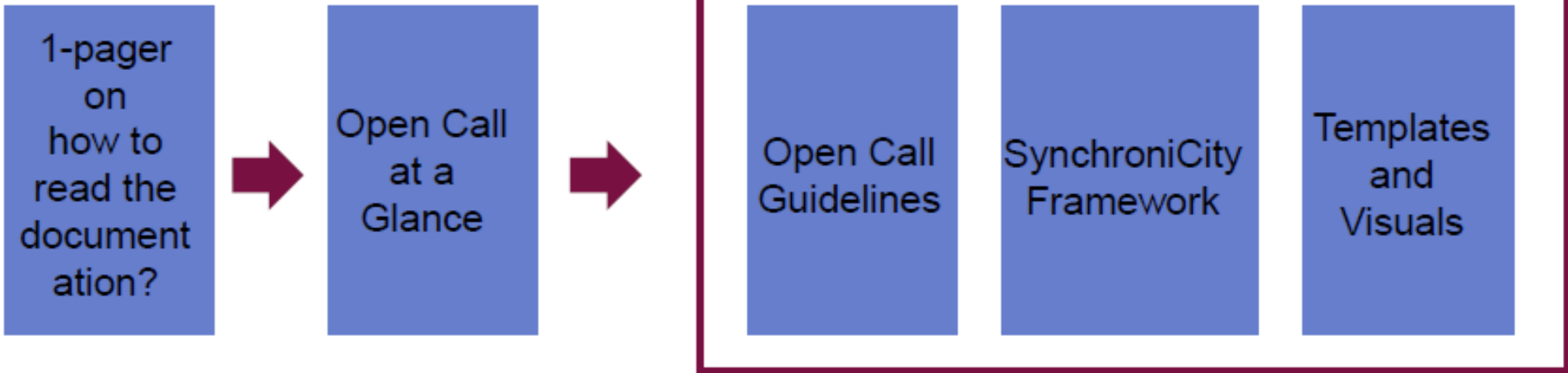
Submit your application and wait for the results.



What next?

- Download the ***Open Call Toolkit for Applicants*** package
 - For SME and Large Business Applicants
 - For New City Applicants

**1st June
4 pm UK time**



Only read if you want to apply for the open call

Support during the 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.

CLINICS

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

WEBINARS

There will be two webinars for those applicants that cannot physically attend some of the Launch Events and Clinics.

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.

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