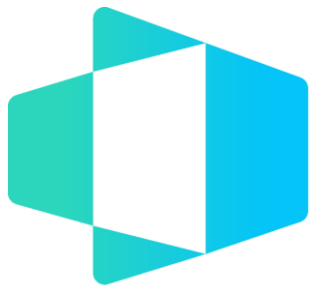# Urban Technology Alliance for Smarter Cities

It's time to move forward!

UTA

Urban Technology Alliance

Urban Technology Alliance

Worldwide testing environment for smart city solutions

▸ **Smart city solutions need technical, economic & social validation** before large-scale deployment

  ▸ UTA provides **city-scale testbeds,** the only way for real validation

▸ Cities need **neutral guidance**, industry needs a **testing environment**, researchers need **real requirements**

  ▸ UTA provides a **matchmaking platform** to bring together cities, industry and academics to deploy, test and validate the latest smart city solutions

▸ Yes, each city is unique; yet, today's **worldwide urban challenges are very similar**

  ▸ UTA fosters international cooperation, exchange of lessons learnt and **best practices among cities all around the globe**

What is UTA's main mission?

Bringing relevant stakeholders together to

test and validate smart city solutions

Cities come with their **problems** and **experimentation space**

Small and large companies come with their **innovative solutions**

Researchers and NPOs come with their **expertise and neutral guidance**

JOIN FORCES AND ORGANIZE SMART CITY DEPLOYMENT, PROVIDE RECOMMENDATIONS AND SHARE BEST PRACTICES

UCA
Urban Technology Alliance

What does UTA deliver?

- Brings relevant stakeholders together **to organize pilot deployments and trials** in the member cities for proof of concept validation
  - Share **best-practices, success stories, business cases, lessons learnt, evaluation studies and testbed reports** within the UTA community

- Provides **technical and non-technical guidelines and methodology** for implementing trials
  - Recommends **reference architectures, integration plans, standards, KPIs and sustainability metrics**

- Builds a technology/community agnostic marketplace, create strategic partnerships
  - Provides a **one-stop showcase** of smart city solutions

How does UTA function?

5 Working Groups

Technical WG: Build reference architectures and integration plans

Testbed WG: Build teams and organise trial deployments in city testbeds

Sustainability WG: Define metrics for technical and economic sustainability

Business WG: Create partnerships, find funding opprtunities

Social WG: Deal with social aspects such as ethics, privacy, design and art

Who is UTA?

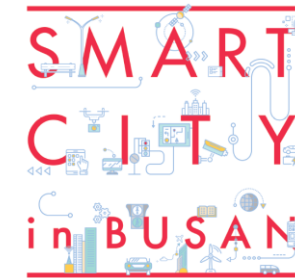## A vibrant community with important international actors

Initial testbed cities: Grenoble, Taipei, Busan, Daejeon, Santander, Fujisawa, Saitama, etc. and many others are joining in the coming days (Mitaka, Tsukuba, La Coruña, Changshu, Houston, and many more …)

Grenoble Capital of the Alps
Capital of Innovation

Smart ski resort in Chamrousse

Prestigious institutions, experts in smart cities: CEA, Knowledge Capital, Keio University, KAIST, University of Tsukuba, Osaka University, etc. Continuously growing community…

Large international tech companies, network operators, device vendors, integrators, innovative SMEs and startups, law firms, consulting firms, insurance companies, artists, designers, etc.

How UTA is related to other similar initiatives?

UTA's main differentiator is its **testbed approach with concrete deployments** in its member cities and its goal to **share** the knowledge and best practices with all members

UTA is building liaisons with:

OSGi Alliance: provides modular and evolutive software framework,which is particularly adapted to smart cities

Eclipse Foundation: Builds business ecosystem on top of open source software. Specific working group on IoT

IoT Acceleration Consortium of Japan (IoTAC): vibrant community in IoT in Japan with smart city and testbed WGs

Industrial Internet Consortium (IIC): Provides reference architecture, recommendations, white papers in industrial IoT. Networking platform for Industry 4.0 related testbeds.

Open and Agile Smart Cities and Communities (OASC): Guide cities about interoperable solutions (API, open data models, open data platform)

European Innovation Partnership on Smart Cities and Communities (EIP-SCC): Platform centralizing European Commission funded smart city projects and sharing results via a market place and networking events.
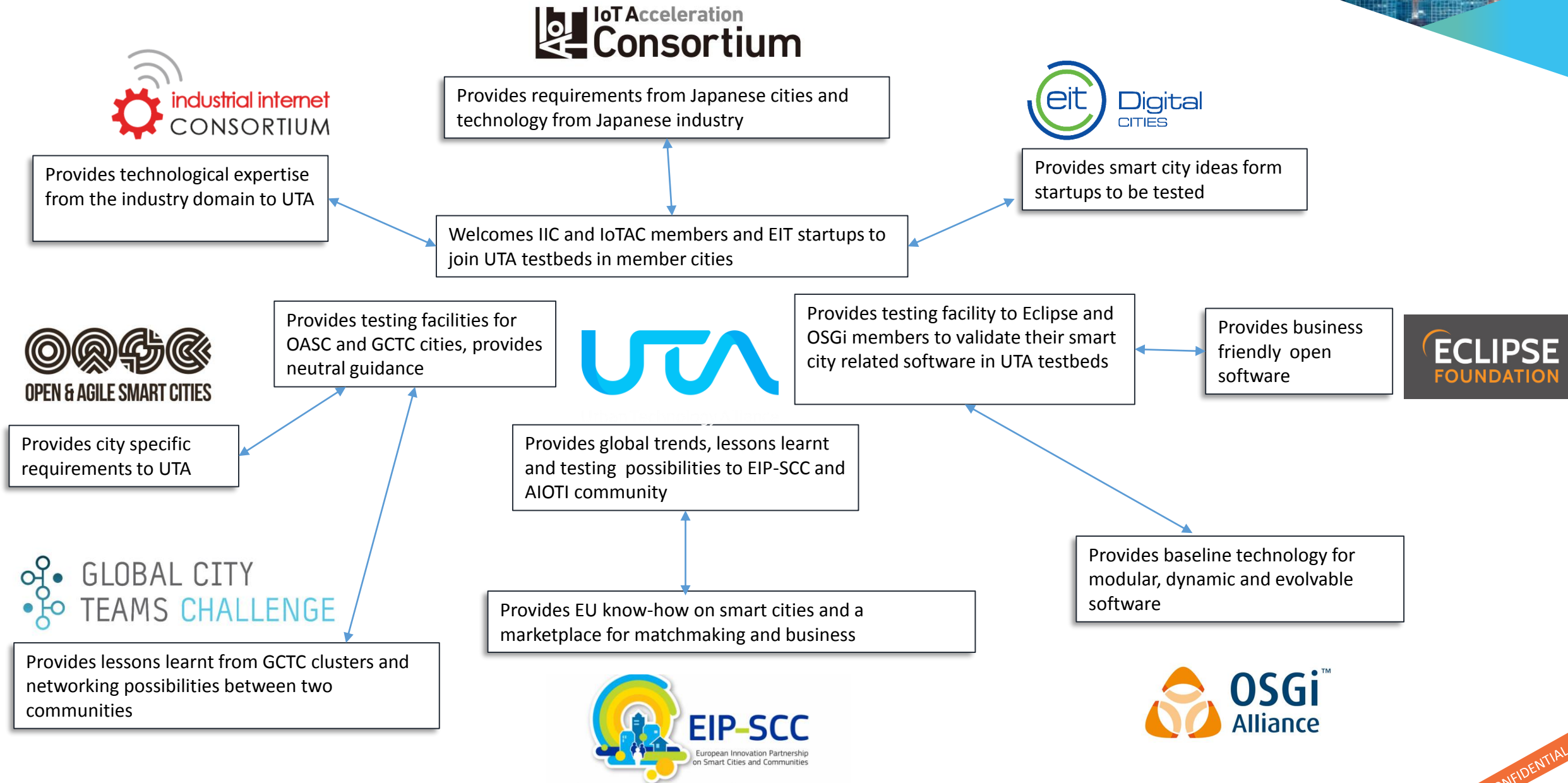
Global City Teams Challenge (GCTC): Matchmaking platform, managed by NIST of USA, centralizing various US smart city projects and organizes a series of events to present the results to the community.

European Institute of Innovation and Technology's (EIT) Digital Cities: Foster digital technology innovation and entrepreneurial talent for economic growth and quality of life in Europe. Fund startups
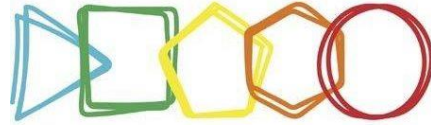
Tight liaisons with the community

Provides requirements from Japanese cities and technology from Japanese industry

Provides technological expertise from the industry domain to UTA

Provides smart city ideas form startups to be tested

Welcomes IIC and IoTAC members and EIT startups to join UTA testbeds in member cities

Provides testing facilities for OASC and GCTC cities, provides neutral guidance

Provides testing facility to Eclipse and OSGi members to validate their smart city related software in UTA testbeds

Provides business friendly open software

Provides city specific requirements to UTA

Provides global trends, lessons learnt and testing possibilities to EIP-SCC and AIOTI community

Provides baseline technology for modular, dynamic and evolvable software

Provides EU know-how on smart cities and a marketplace for matchmaking and business

Provides lessons learnt from GCTC clusters and networking possibilities between two communities