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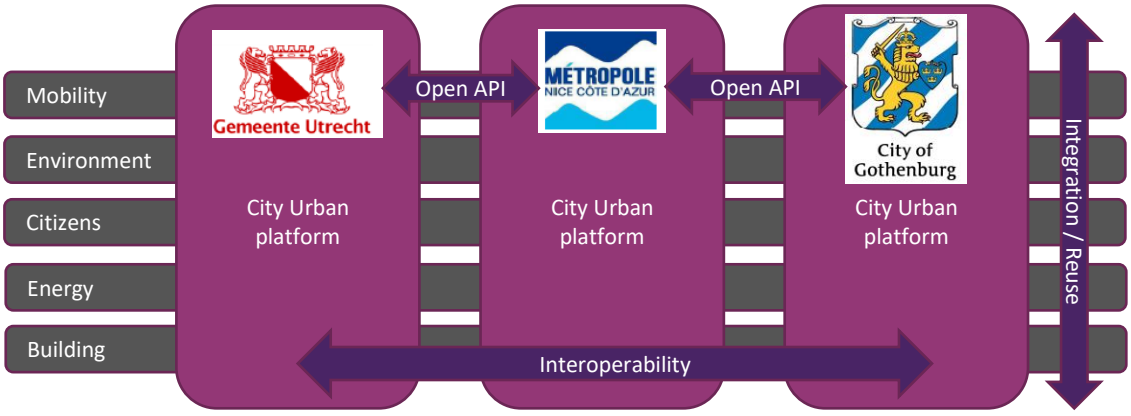
IRIS Smart cities

Webinar
Urban Data Platforms
Experiences from the IRIS LH Cities

May 17th, 14:00-15:30 CEST



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Urban Data Platforms: Experiences from the IRIS LH Cities

Urban Data Platforms are at the core of the digital transformation and the basis for data-driven solutions addressing the challenges of today's cities and communities. An Urban Data Platform exploits modern digital technologies to bring together and integrate data flows within and across city systems and make data (re)sources accessible to participants in the cities' ecosystem. The easy sharing of city data between city services, organisations, companies, and citizens provides many positive outcomes for society:

- can help streamline urban mobility systems
- deliver improved health and well-being outcomes
- reduce energy consumption and support the use of local low-carbon energy
- connecting city assets to enable more joined-up multi-purpose services and infrastructures

Cities and communities benefit most from Urban Data Platforms when those are 'open'. Following the DIN definition, an open urban platform is an "urban platform that uses open standards and interfaces to guarantee compatibility and interoperability with other systems and other urban platforms." (DIN SPEC 91357). Open urban data platforms enable cities and communities to:

- Customise the platform according to their needs
- Avoid vendor lock-in & technology-debt
- Share data with third parties
- Connect services and data more easily, and
- Provide better digital services to their citizens at lesser costs.

Although technologies are the key enablers for the creation of urban data platforms, a citizen-centric approach is required to ensure the ethical and socially responsible access, use, sharing and management of data. Moreover, the democratically controlled open data platforms will empower individuals with their personal data, thus helping them and their communities to develop knowledge, make informed decisions, and interact more consciously and efficiently with each other as well as with organisations.

The IRIS project has created a City Innovation Platform (CIP) that collects, manages and exchanges data for the development of new applications and services. The CIP and its components manage large volumes of data and information coming from domain-specific solutions, like waste collection, parking, air quality or energy consumption, from municipal systems, external platforms and other data sources. Based on a common reference architecture (check deliverable D4.4), standards and essential components (i.e. Data Broker, Data Catalog, Historical Data, API Management, Load Balancing, Identity and Access Management, etc.) (check deliverable D4.5), and the Data Governance Plan (check deliverable D4.3), each Lighthouse City has deployed a local instance of the CIP.

In the upcoming webinar, the three IRIS Lighthouse Cities Utrecht, Métropole Nice Côte d'Azur, and Gothenburg will present through concrete use cases how they use the local City Innovation Platforms (CIP) in the journey toward smart cities. The cities will share lessons learned in the following three pillars:

1. Technologies: As urban data platforms need to achieve interoperability of data, systems, and services between different actors, it is important for the cities to implement vendor-neutral

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and technology agnostic components that anybody can use them and integrate them into existing systems

2. Onboarding process and governance: Different stakeholders with different interests have to work together in an urban data platform. To establish broad support for the City Innovation Platform, it has to facilitate the demands and requirements of these different stakeholders.
3. Standard data models: Although common data standards and data models may not be perfect, they promote interoperability and replicability without having to reproduce all the details of an entire vertical.

Agenda

14:00 Introduction – Panos Tsarchopoulos, CERTH-ITI

14:05 City Innovation Platform in Utrecht - Bas Vanmeulebrouk, CIVITY

14:20 City Innovation Platform in Métropole Nice Côte d'Azur - Stéphane Roux, MNCA

14:35 City Innovation Platform in Gothenburg – Noel Alldritt, City of Gothenburg

14:50 Panel Discussion

15:10 Q&A

Connection Details

https://meet.goto.com/IRISsmartcities/cip-webinar

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