Webinar on AI Procurement

Living-in.EU movement ‘Digital Transformation the European Way’

Nóirín Ní Earcáin, DG CONNECT

Unit C3 Technologies for smart communities

17 May 2022

Towards climate-neutral and smart communities

- EU Green Deal & Europe Fit for the Digital Age: '*Twin green and digital transitions*' ; need to tackle the twin challenge in a holistic and systemic way

- Smart cities and communities use digital technologies to reduce resource input and improve the quality of life for their citizens (- > '*twin digital and green' transition*)

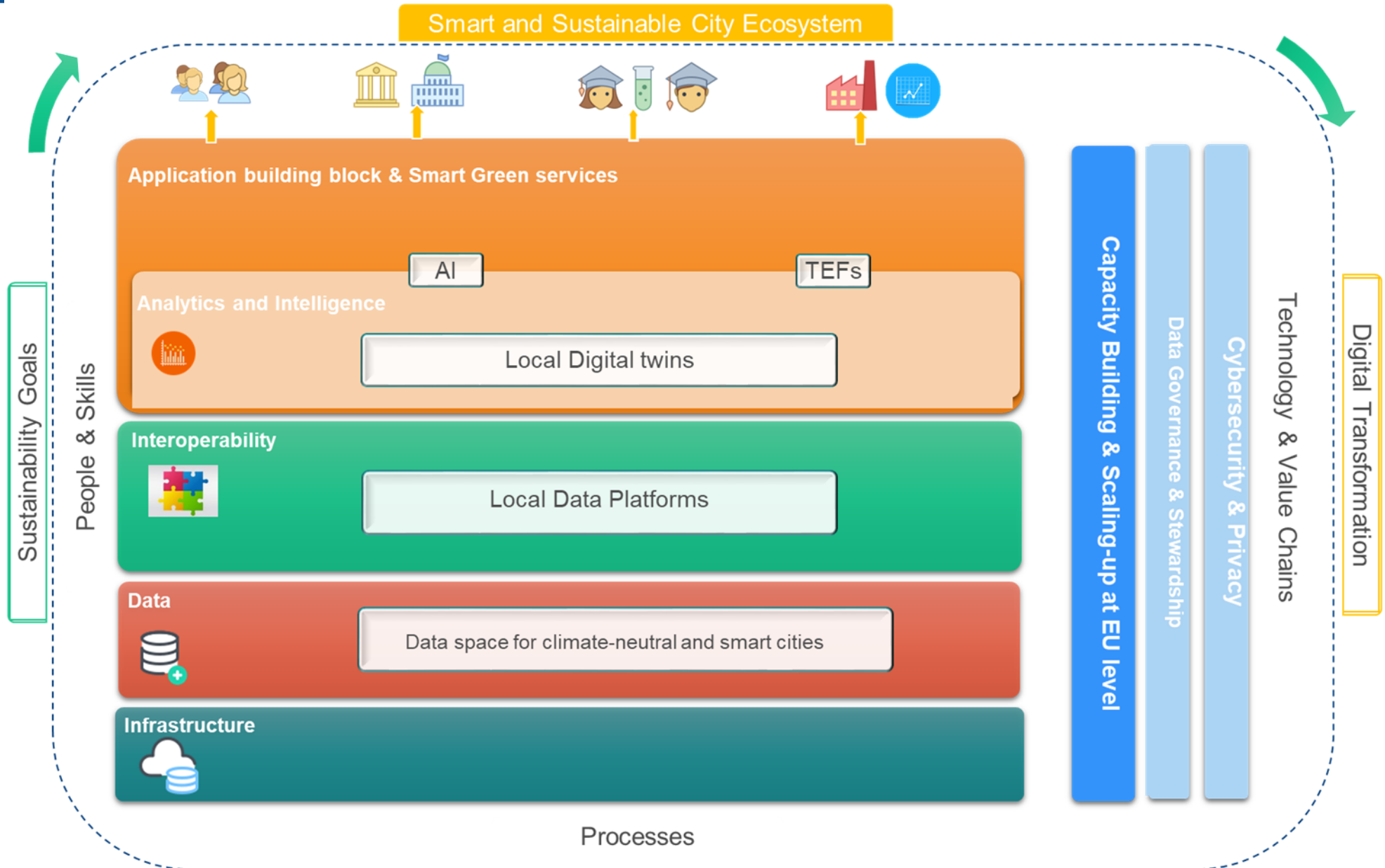
- European Digital Strategy:
  - Shaping Europe's Digital Strategy
  - Excellence and Trust in Artificial Intelligence
  - European Data Strategy

- **2030 Digital Compass: the European way for the Digital Decade**

- EU Recovery Plan:
  - At least 20% of the funds under the Recovery and Resilience Facility will be made available for the digital transition (and 30% for green)

Smart cities and communities - > 'twin digital and green' transition

Digital capacity building for cities and communities



AI EDIHs for smart cities

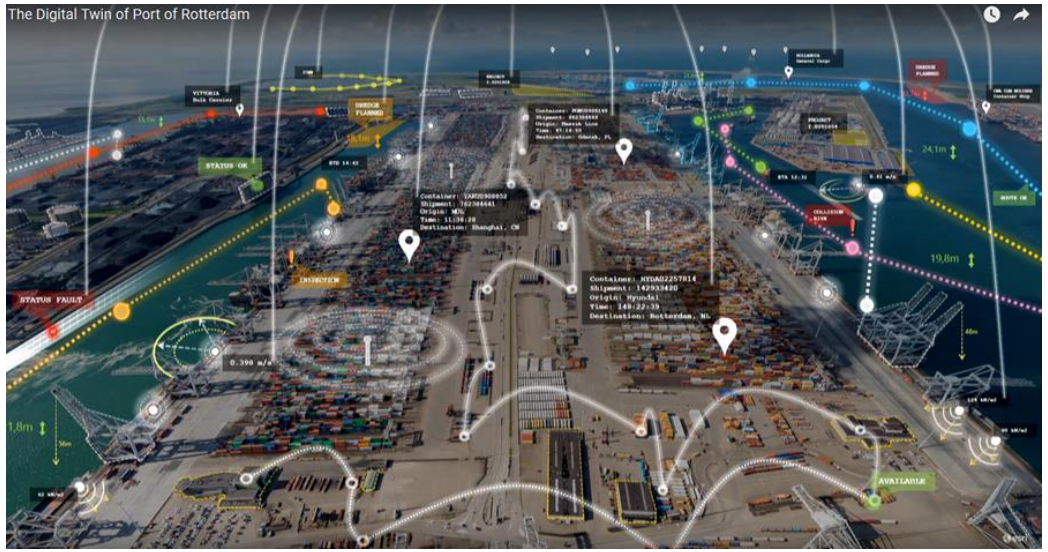
AI TEFs for smart cities

Digital Europe Programme

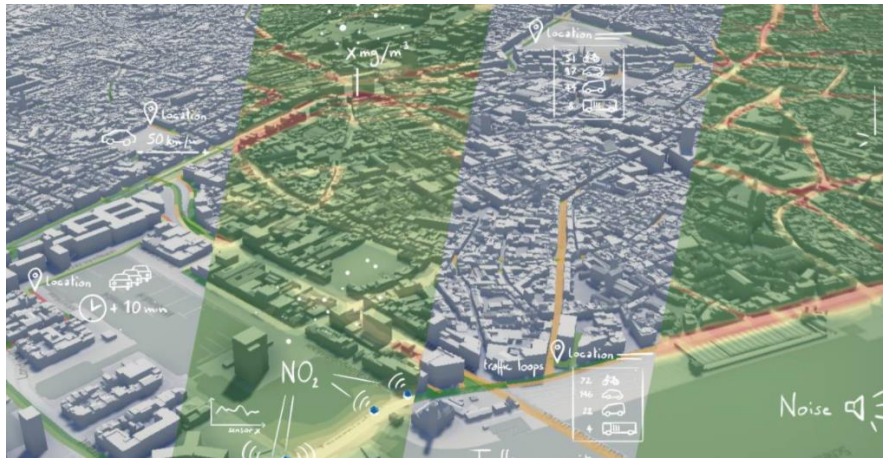
Horizon Europe

Connecting Europe Facility

Examples of cities & regions using digital twins



Port of Rotterdam



3D copy of Antwerp

Urbanage

Helsinki, Santander, Flanders

Helsinki

COMPAIR

Athens, Berlin, Flanders, Sofia

LEAD

Madrid, The Hague, Budapest, Lyon, Oslo and Porto

DUET

Flanders, Athens, Pilsen

+ Amsterdam, Angers, Gothenburg, Hamburg, Herrenberg, Kongsberg, Munich, Rennes, Stockholm…

Living-in.EU Movement

European Commission

LIVING-IN.EU

The European way of digital transformation in cities and communities

Over 117 signatures so far… From Mayors, Regional and national Ministers and around 100 supporters

https://www.living-in.eu/

DOWNLOAD THE DECLARATION

SIGN THE DECLARATION

SUPPORT THE DECLARATION

The European way of digital transformation in cities and communities

- Political Declaration: over 117 signatories, 100 supporters, 5 subgroups, several concrete iconic projects (including on Local Digital Twins)

- Principles:
  - **Citizen-centric approach**
  - **a city-led approach at EU level**
  - **the city as a citizen-driven and open innovation ecosystem**
  - **ethical and socially responsible access, use, sharing and management of data**
  - **technologies as key enablers**
  - **interoperable digital platforms based on open standards and technical specifications, Application Programming Interfaces (APIs) and shared data models**
- Measures:
  - **Financial**
  - **Technical**
  - **Legal**
  - **Education and capacity building**
  - **Measuring and monitoring**

LIVING-IN.EU

The European way of digital transformation in cities and communities

https://www.living-in.eu/

European Commission

… the Commission will…

- continue to support public administrations including cities and communities in **procuring trustworthy AI** (1) by developing a set of minimal capabilities for algorithms to be used in contract conditions through the Living-in.EU movement and by other means
- support public administrations, including cities and communities in creating **AI algorithm registries** (2) to increase citizen trust, and encourage the use of **catalogues of AI-enabled applications** (3) for administrations to increase the take-up of AI by the public sector, for example through the European AI on demand platform

Cities, regions and communities' AI workstreams)

1. **AI Procurement:** Model contractual clauses based on Amsterdam's clauses

   Big Buyers Platform (DG GROW) and Living-in.EU

2. **A) AI Registries:** Support the development of common requirements for an AI Registry based (existing examples: Amsterdam and Helsinki)

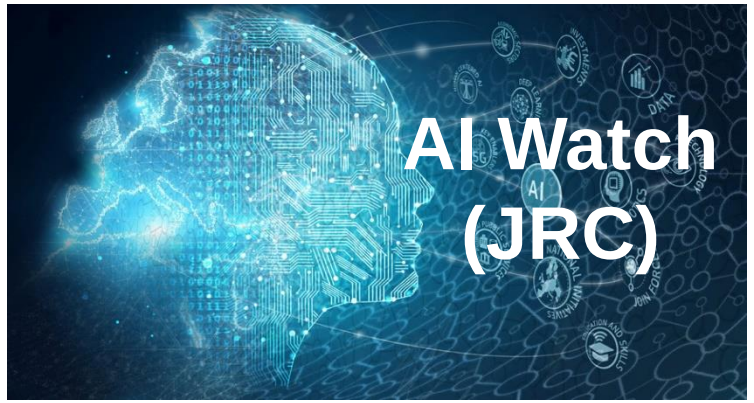
   Eurocities Digital Forum

   B) FAIR AI MIM (MIM 5): Minimal interoperability requirements to automate the checking of contractual clauses and presentation of information via an AI Registry

   OASC and Living-in.EU

Other developments on AI

- Experimentation, testing, piloting
- Guidance for (innovation) procurement
- Support for public administrations to build skills and capacity (EDIH)
- Monitoring and identifying challenges and opportunities



AI4CITIES

AMSTERDAM COPENHAGEN HELSINKI

PARIS REGION STAVANGER TALLINN

Six European cities and regions are jointly procuring AI solutions on mobility and energy to accelerate carbon neutrality (Pre-Commercial Procurement)

AI DIH network

Framework Cooperation Agreement signed by 25 DIHs

AI Digital Innovation Hubs Network

Adopt AI Programme

DT4REGIONS Digital Transformation for Regions

AI Testing and Experimentation Facility for smart cities and communities

AI4EU

Sign, Support, Like … the Join, Boost, Sustain Political Declaration

Join the movement !

EUROCITIES · OPEN & AGILE SMART CITIES · European Network of Living Labs · EU2019.FI · European Commission · European Committee of the Regions

Thank you

Contact

CNECT-C3@ec.europa.eu

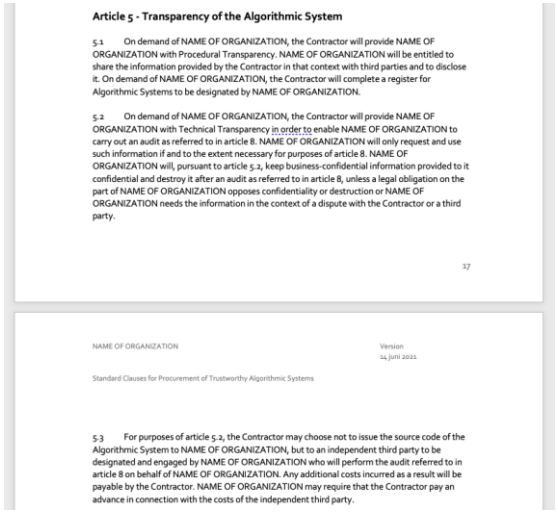
CNECT-smart-communities@ec.europa.eu

European Commission

© European Union 2022

Digital Forum Lab: Algorithm registries data schema

Contract clauses



Article 5 - Transparency of the Algorithmic System

5.1 On demand of NAME OF ORGANIZATION, the Contractor will provide NAME OF ORGANIZATION with Procedural Transparency. NAME OF ORGANIZATION will be entitled to share the information provided by the Contractor in that context with third parties and to disclose it. On demand of NAME OF ORGANIZATION, the Contractor will complete a register for Algorithmic Systems to be designated by NAME OF ORGANIZATION.

5.2 On demand of NAME OF ORGANIZATION, the Contractor will provide NAME OF ORGANIZATION with Technical Transparency in order to enable NAME OF ORGANIZATION to carry out an audit as referred to in article 8. NAME OF ORGANIZATION will only request and use such information if and to the extent necessary for purposes of article 8. NAME OF ORGANIZATION will, pursuant to article 5.2, keep business-confidential information provided to it confidential and destroy it after an audit as referred to in article 8, unless a legal obligation on the part of NAME OF ORGANIZATION opposes confidentiality or destruction or NAME OF ORGANIZATION needs the information in the context of a dispute with the Contractor or a third party.

17

NAME OF ORGANIZATION Version 14 juni 2021

Standard Clauses for Procurement of Trustworthy Algorithmic Systems

5.3 For purposes of article 5.2, the Contractor may choose not to issue the source code of the Algorithmic System to NAME OF ORGANIZATION, but to an independent third party to be designated and engaged by NAME OF ORGANIZATION who will perform the audit referred to in article 8 on behalf of NAME OF ORGANIZATION. Any additional costs incurred as a result will be payable by the Contractor. NAME OF ORGANIZATION may require that the Contractor pay an advance in connection with the costs of the independent third party.

Data schema

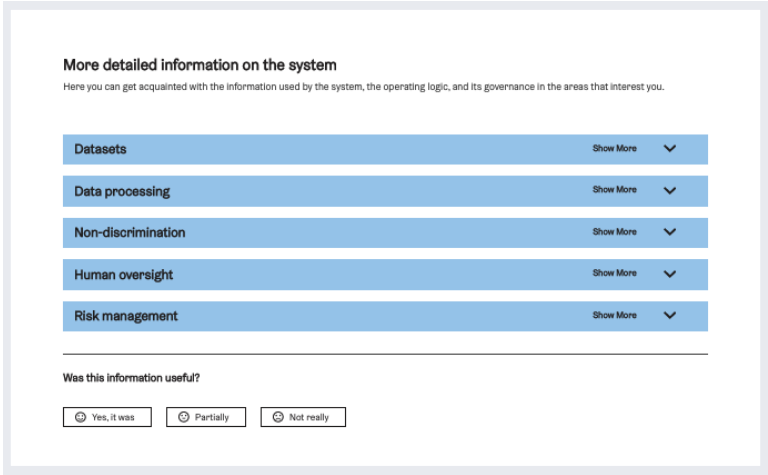
standard

Bekijk dit project op Github

attribute	name	category	type	description	required
name	Name Naam	BASIC INFORMATION ALGEMENE INFORMATIE	string	**What is the colloquial name used to identify this algorithm? Example: 'WMO prediction Rotterdam' or 'Crowd-monitoring Enschede'.** Wat de naam die gebruikt wordt om dit algoritme aan te duiden? Voorbeeld: 'WMO voorspelling Rotterdam' of 'Crowd-monitoring Enschede'.	true
organization	Organization Organisatie	BASIC INFORMATION ALGEMENE INFORMATIE	string	**What is the full name of the organization used to identify responsibility for use of the model, algorithm or AI? Example: 'City of Amsterdam' or 'Water Authority Limburg '.** Wat is de volledige naam van de organisatie verantwoordelijk voor de inzet van het model, algoritme of AI? Voorbeeld: 'Gemeente Amsterdam' of 'Waterschap Limburg'.	true

Lab project scope

Algorithm registries



More detailed information on the system

Here you can get acquainted with the information used by the system, the operating logic, and its governance in the areas that interest you.

- Datasets — Show More
- Data processing — Show More
- Non-discrimination — Show More
- Human oversight — Show More
- Risk management — Show More

Was this information useful?

Yes, it was | Partially | Not really

Lodewijk Noordzij, Policy officer, lodewijk.noordzij@eurocities.eu