

Algorithm transparency standard

Workshop MIM5

24 March 2023, 10:00 – 12:00

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Eurocities Digital Forum LAB

Mission

Driving the **digital transformation of cities in Europe** with tangible solutions.

Goal

Co-create **common solutions from good practices** by cities in Europe, **providing a basis for implementation** in other cities.

Good practice: algorithm registers



Standardized, searchable and archivable way to document the **decisions** and **assumptions** that were made in the process of developing, implementing, managing, and ultimately dismantling algorithmic applications in public organizations.

DF LAB: Algorithm transparency standard



Goal

Building **trust** and supporting **transparency** for the use of **algorithms** by **local administrations**

Solution

Developing a **common data schema** for **interoperable algorithm registers**, based on the existing practices by Amsterdam and Helsinki

Creating a common 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.

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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.

standard

Bekijk dit project op Github

Data schema

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

Algorithm registers

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

Transparency standard

Creating a common data schema

Data schema

standard

[Bekijk dit project op Github](#)

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Field attributes, names, categories, types, and descriptions and signifies the **minimum required fields for a common baseline.**

BASIC INFORMATION

Name, Short description, Responsible organisation, Department, Contact e-mail, ...

USE CASE

Decision-making process, Goals, Impact, Risks, Risk category, ...

DATA

Source Data, Training Data, Data Bias, DPIA, ...

ALGORITHM

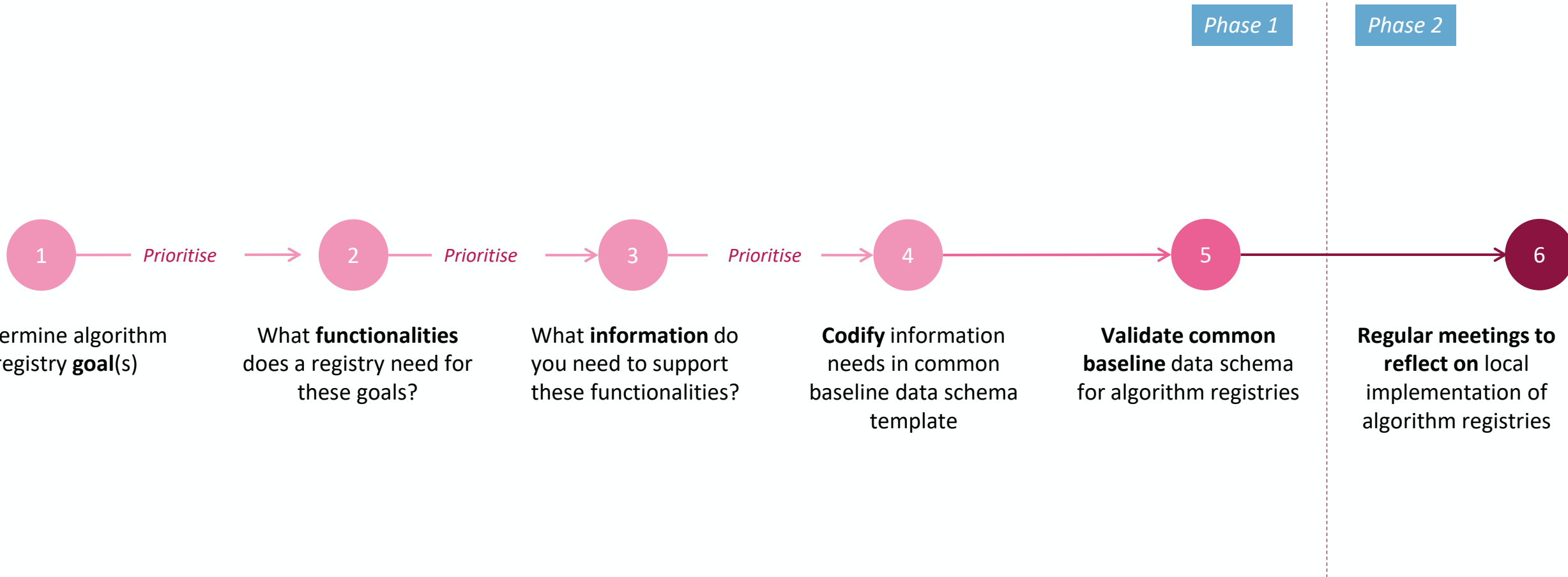
Type of algorithm, Methods & models, Considered alternatives, ...

OVERSIGHT

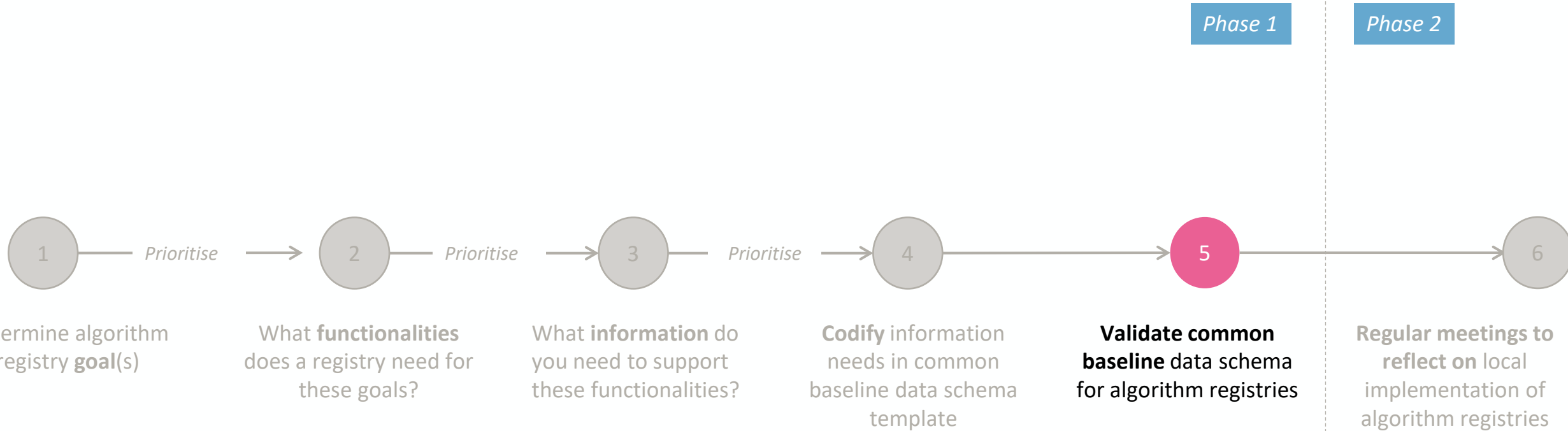
Performance monitoring, Human intervention, Objection procedure, ...

METADATA

Creating a common data schema



Creating a common data schema



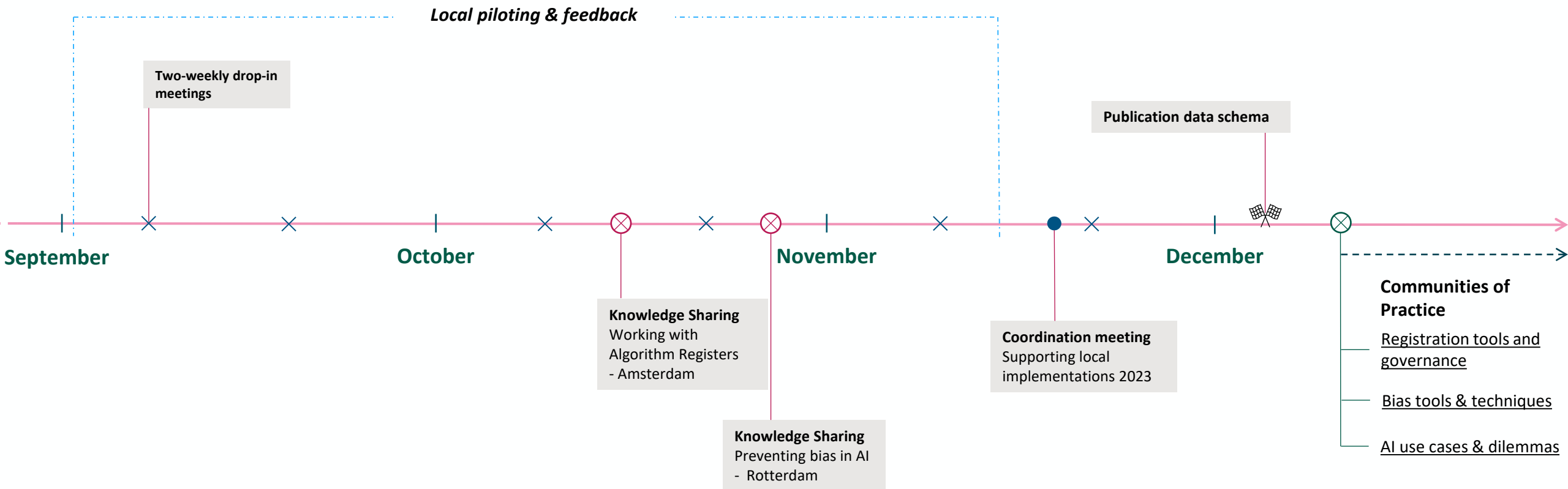
Creating a common data schema

Phase 1

Preparing a common data schema

Phase 2

Supporting local implementations of algorithm registers





Algorithm transparency standard





algorithm register

<https://www.algorithmregister.org/>

START USING THE STANDARD

Download the [.csv template](#), [Excel template](#) or [JSON schema template](#) and fill in the information in relation to your city.

GUIDANCE

7 steps to get started on an algorithm register using the standard.

Food for thought

I want to be
compliant

I want to be in
control

I want to be
responsible

Let's implement!

Procurement

What about governance?

Thank you!

<https://www.algorithmregister.org/>

