

TAMPERE.  
FINLAND

# CITY OF TAMPERE DATA STRATEGY

2023



FINLAYSONIN ALUE  
MEHILLÄINEN  
ROOM ESCAPE TAMPERE ROOMSCAPEFI  
APTEEKKI 30m  
TAD INDIAN RESTAURANTS  
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Just classic diner with best burgers in town.  
fabric. BAR BISTRO  
Karkkimeri



# Towards automatic and proactive services

This is the first data strategy for the City of Tampere. The city's operations generate a huge amount of data that can be put to good use. Much has already been done to make use of data, but now was the time to crystallize the common goals for the various departments in our city. This is not a strategy for information management, but a shared vision for the entire city.

At the heart of it all are the residents and businesses of Tampere. We have long since moved on from waiting in offices to using online services that are open 24/7. Next, we want to provide city services automatically and proactively. This can only be done with up-to-date data. With the help of data, we can also allocate city resources appropriately and serve where they are needed. In other words, the city can do its job smarter than before.

We promote the data economy by making data available for business and research, observing ethical principles. Now is the time to build a smarter future.

**MARIA NIKKILÄ**

*Chief Information Officer*



# Data strategy background

## Tampere Strategy 2030



We base our activities on reliable and up-to-date information.



We are determined to strengthen foresight in management and decision-making.

We will serve as a platform for future sustainable solutions and establish partnerships with local business and industry.



## Mayor's Programme 2025



Tampere will be the best city in the future to provide automated and proactive services for its citizens.

## Data Strategy 2030



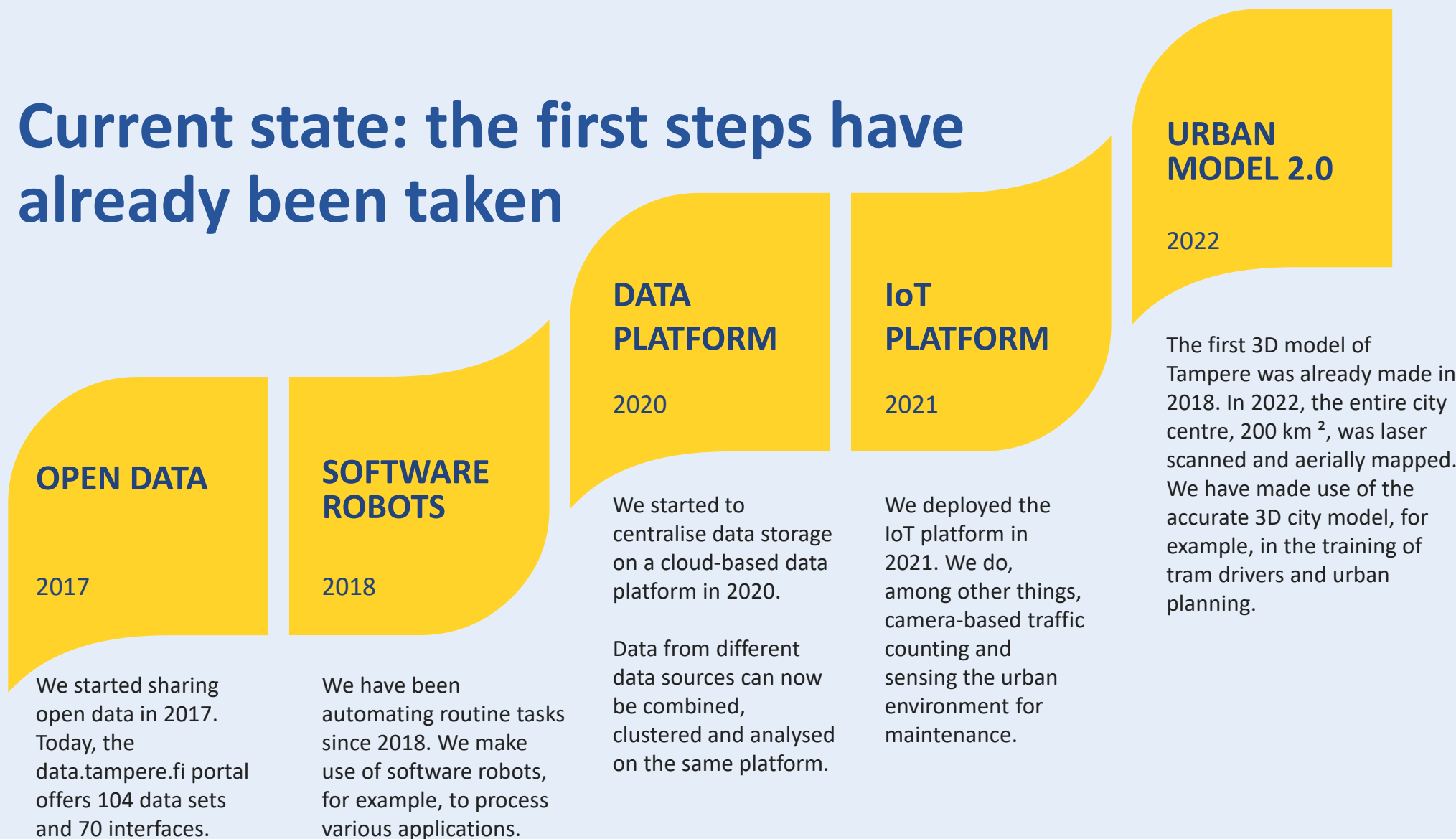
Tampere will be Finland's best city to realise tangible benefits from data.

BACKGROUND

OBJECTIVES

MEASURES

# Current state: the first steps have already been taken



# Data has already been analysed 1/2

- The well-being of students as well as Tampere's attractiveness and retention factors were examined in 2019 through an extensive student survey (n = 1003). Eight groups were clustered from the survey responses, whose life situations, well-being and the likelihood of staying in Tampere after their studies differed. The analysis revealed that the higher the subjective well-being, the more likely the student was to stay in Tampere. The results were discussed by the city management at several events.
- In 2020, the Business and Growth Services investigated the situation of 15,000 Tampere businesses in the middle of the coronavirus pandemic. The cluster analysis identified about 40 groups with various needs for support and services. The analysis revealed transitions between clusters, as well as the effects of the coronavirus on companies' situations. Business service organisers discussed the analysis in several workshops and business visits were targeted on the basis of the analysis.

# Data has already been analysed 2/2

- In the Advanced analytics for families with children project, extensive data analysis was carried out in 2021. The analysis combined pseudonymised data from 10 official registers to determine, by postal code area, how families with children in Tampere are faring. The analysis showed that the development of services should take better account of the diversity of families, in particular the needs of under-aged students living alone and single-parent families with children. The results have been used to prevent regional inequality.
- In 2023, the DATE project created an index describing integration consisting of employment, education and skills, as well as well-being. This was followed by a comparison of the integration of immigrants in different areas of Tampere. The analysis showed that the life situation and motivation of the person being integrated, as well as the quality of the services, are more important for integration than the physical location of integration services. A real-time picture of integration allows services to be provided to clients in a timely manner.

# Changes in the operating environment affecting the city

- EU regulation provides the framework for the use of data and artificial intelligence in the city through a variety of decrees, directives and regulations. Changes in national legislation will enable the use of automation and artificial intelligence in the provision of services.
- Technological advances enable new solutions and bring about development leaps to which the city must have the capacity to respond. The development of data sources (sensors, positioning, IoT) makes it easier to provide data-based services.
- Tampere has made a sustained effort to address data security and data protection. They play an important role in services that make use of data. The services provided by the city are implemented in an ethically sustainable manner.
- The city must be able to enable personalized data management in its own services and provide services based on this to its residents.
- The city must be ready to work as part of the data economy operational environment together with businesses and research institutes.





# Data strategy objectives



Tampere is Finland's best city in **realising** tangible benefits from data.

## 1. We offer local residents automated and proactive services with the help of data.

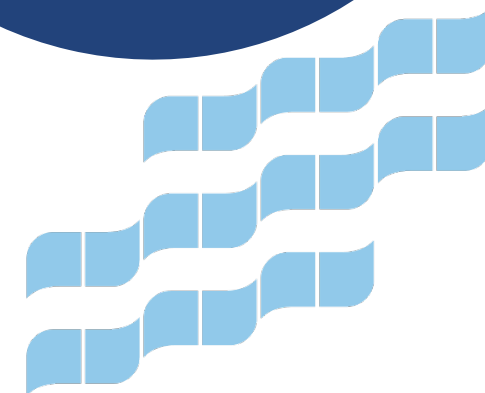
- We deliver timely, personalized and seamless services with automated operational logic.
- We will develop the use of individual-centred data in city services.

## 2. We will improve the operating conditions of business and industry by means of data.

- We will offer data and data sets as a basis for business and research.
- We promote the development of a sustainable data economy as a competent partner with businesses and research institutes.

## 3. We will run the city and increase the efficiency of its operations through data.

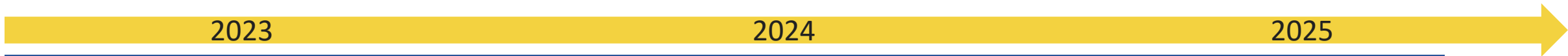
- We will increase the timeliness and ease of use of data to provide a more accurate picture of the resources available in the city and their effective use.
- We will move towards more timely data-driven decision-making.



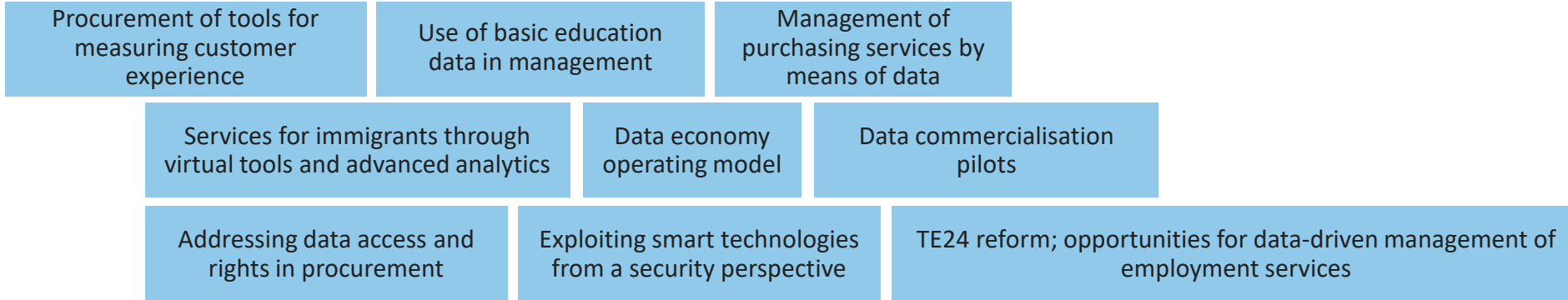




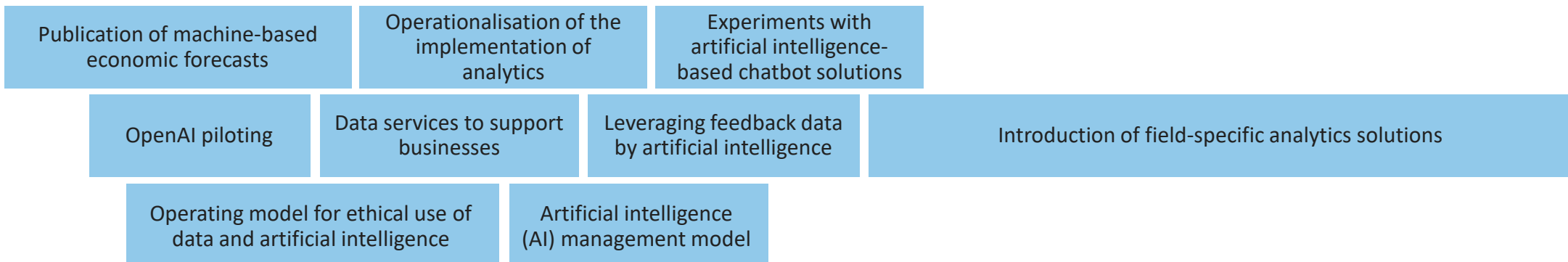
# Implementation plan 2/2



## Promoting data-driven management



## Leveraging artificial intelligence and analytics in the organization



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