

# Open AI for Agile Cities

AI4Cities General Webinar 28.5.2020

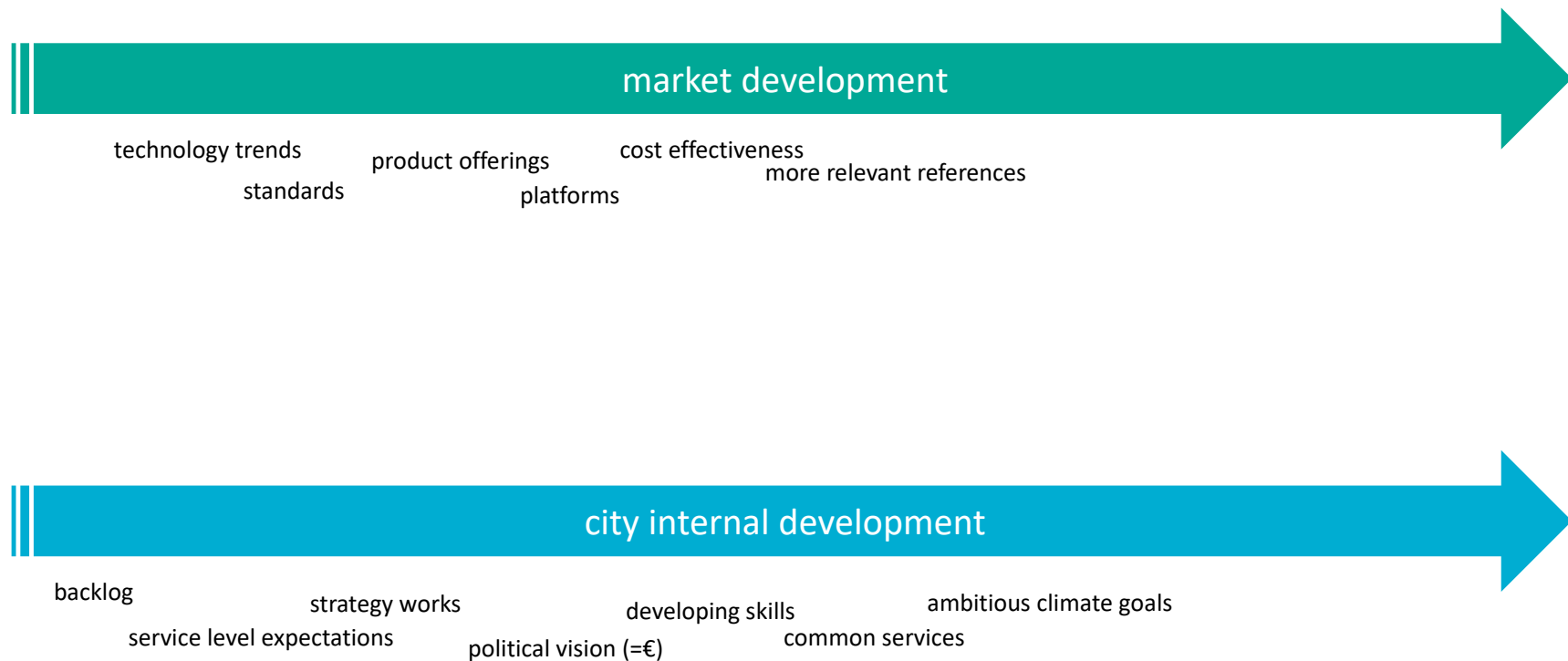
Timo Ruohomäki, Forum Virium Helsinki Oy

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# Topics

- How to be agile?
- How can AI be open?
- From raw data to predictive indicators
- AI Governance
- AI4EU

# How to be agile?



# How to be agile?



Also note: There is no one voice of the city.

# How can AI be open?

**ANALYTIKA**    DASHBOARDS    GRAPHS    EQUIPMENT    **ISSUE TRACKER**    REPORTS    HELLO, JIM       HELP

**FILTER ISSUES**

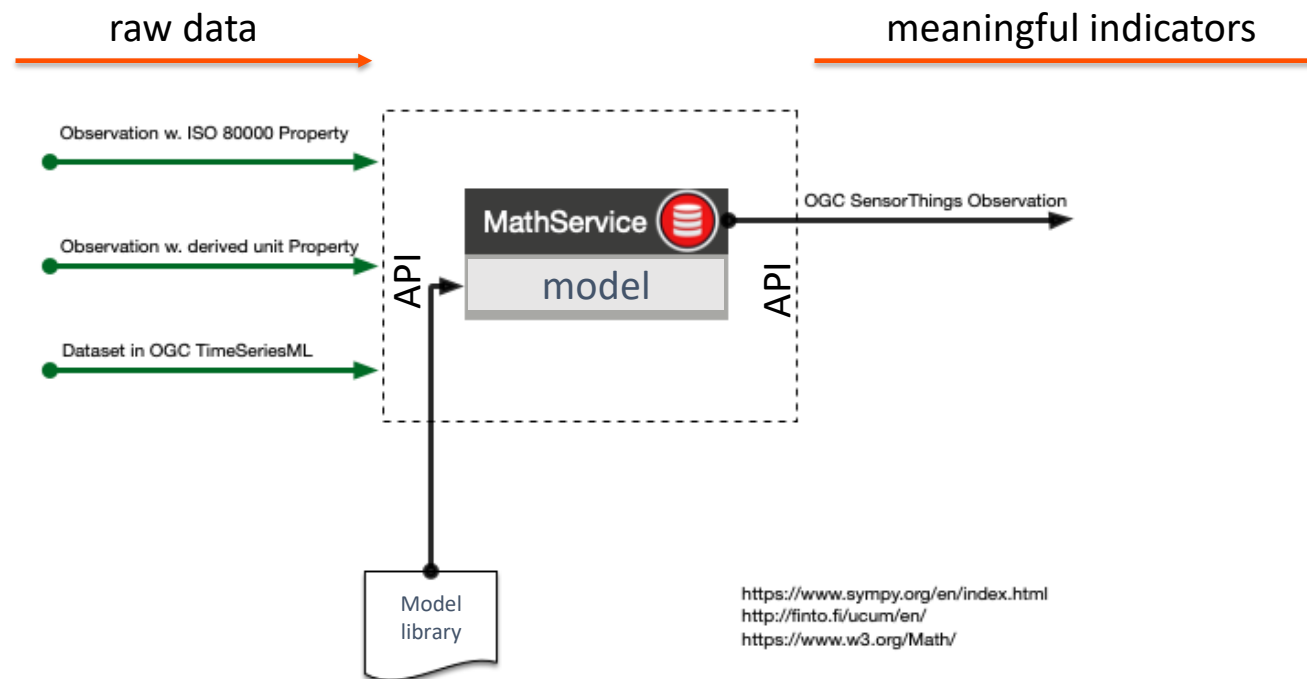
- ▶ **Location** [Deselect All](#)
- ▶ **Priority** [Deselect All](#)
- ▶ **Status** [Deselect All](#)
- ▶ **System Type** [Deselect All](#)
- ▼ **Equipment Type** [Deselect All](#)
  - Air Handling Unit - Typical Chilled Water
  - Cooling Coil - Chilled Water
  - Damper Modulating
  - Electric Meter
  - Heating Coil Hot Water / Glycol Mixture
  - Supply Air Stream
- ▶ **Issue Owner** [Deselect All](#)
- ▼ **Issue Source** [Select All](#)
  - Analytika Pro Report
  - Analytika Portal

**ISSUE FILTER RESULTS - 48 Issues**   

Issue Number	Issue Description	Status	Priority	System Type	Equipment Name	Est. Annual Cost
<a href="#">iuer983</a>	Economizer control logic problem	Detected	Medium	Air Distribution System	<a href="#">AHU_CHW-05</a>	\$350,000
<a href="#">wer7843u</a>	Motion appears to be restricted	Detected	Medium	Air Distribution System	<a href="#">OZ/DMPR_M</a>	\$1,100,034
<a href="#">isf98ls</a>	Dirty Filter	Detected	Medium	Air Distribution System	<a href="#">SA</a>	\$2,250
<a href="#">iusof098w</a>	Economizer control logic problem	Detected	Medium	Air Distribution System	<a href="#">AHU_CHW-06</a>	\$11,903
<a href="#">asdf098w</a>	Sensor calibration high offset	Detected	Medium	Air Distribution System	<a href="#">AHU_CHW-06</a>	\$2,934
<a href="#">asdfpkw</a>	Sensor calibration low offset	Detected	Medium	Air Distribution System	<a href="#">AHU_CHW-06</a>	-
<a href="#">asdf9-08w</a>	Motion appears to be restricted	Detected	Medium	Air Distribution System	<a href="#">OZ/DMPR_M</a>	\$1929
<a href="#">kiuhjsd0</a>	Dirty Filter	Detected	Medium	Air Distribution System	<a href="#">SA</a>	\$789
<a href="#">039klsd</a>	Simultaneous Cooling and Humidification	Detected	Medium	Air Distribution System	<a href="#">SA</a>	\$337,932
<a href="#">kiejfkw9</a>	Economizer control logic problem	Detected	Medium	Air Distribution System	<a href="#">AHU-CHW-07</a>	-

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# From raw data to predictive indicators



# Adopt existing infrastructures

AI4EU (Acumos)



Azure

City A

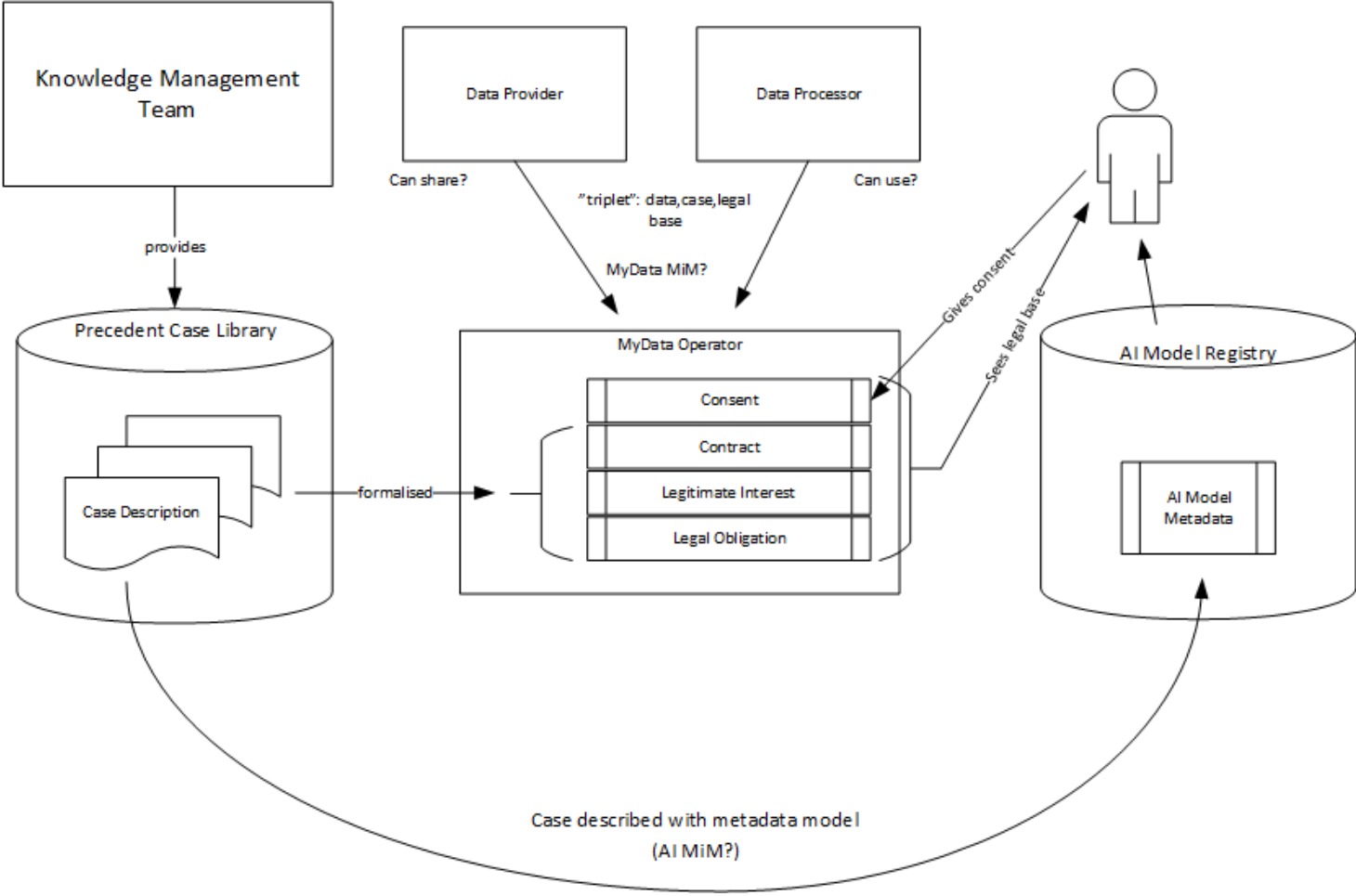
Hadoop

City B

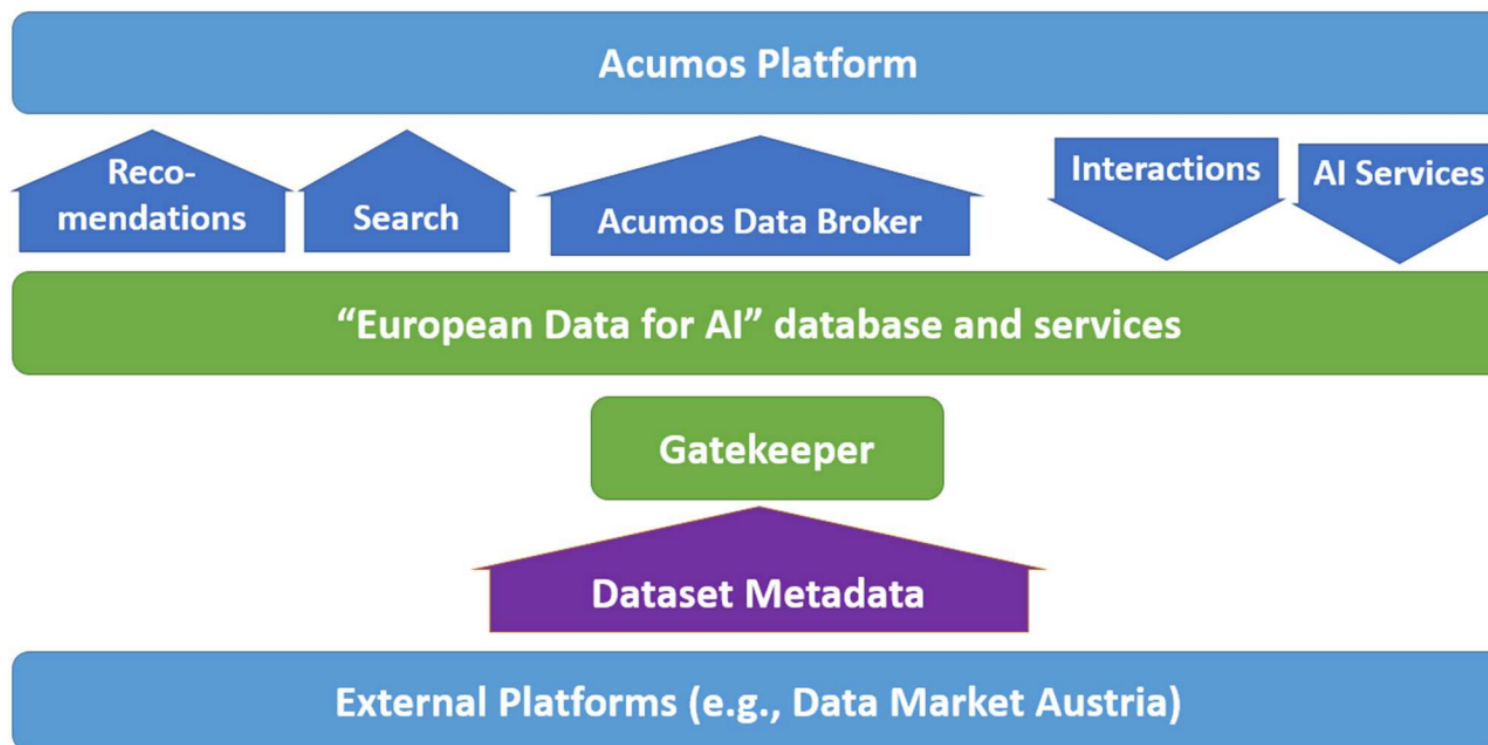
AWS

City C

# AI Governance with MyData







[www.ai4eu.eu](http://www.ai4eu.eu)

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Thank you!



*vimeo*



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