

ORCHESTRA CITIES

Sustainable Smart Cities and the journey from Data to Knowledge

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IoT Week, 22nd June 2022, Dublin

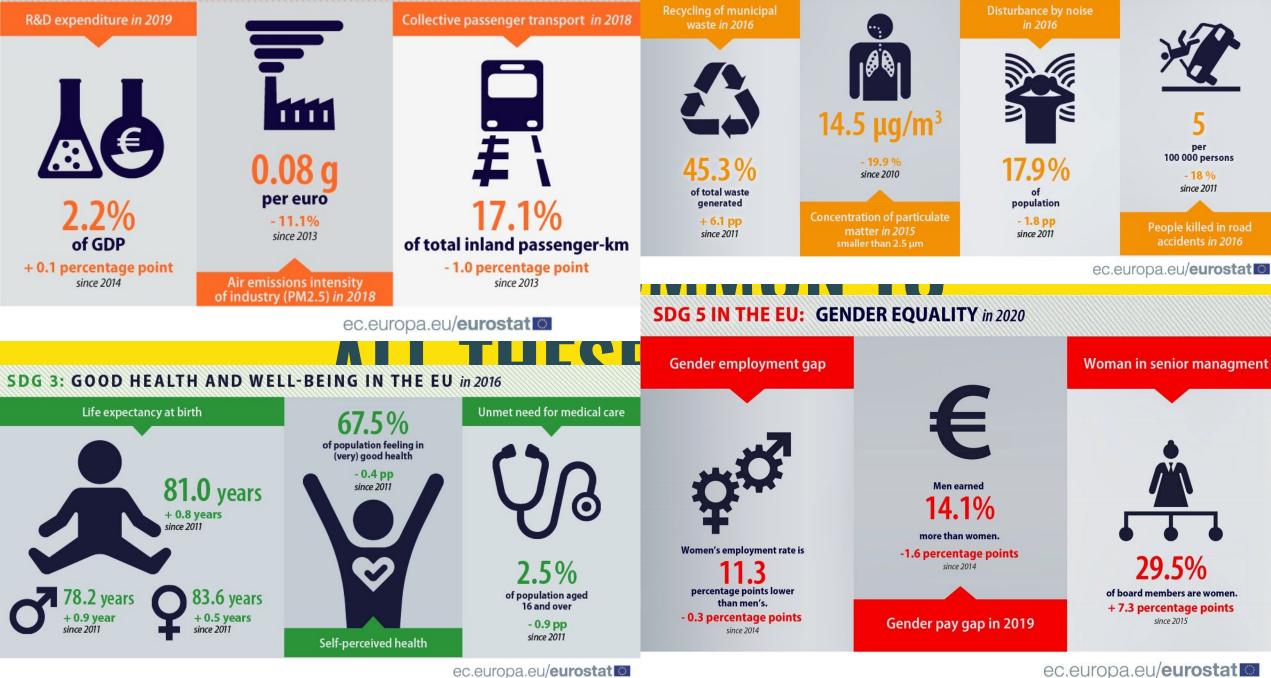
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SUSTAINABILITY IS NOT JUST ABOUT Environment

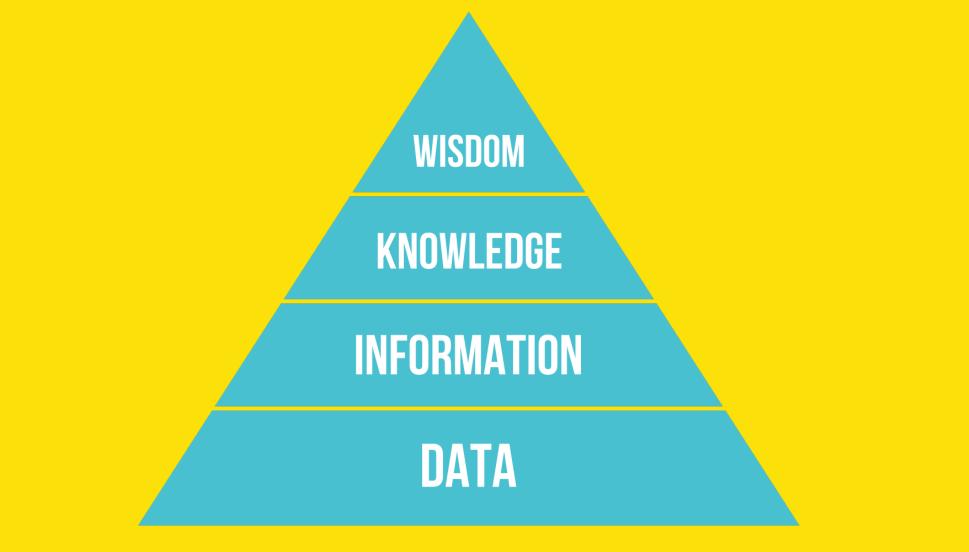




SDG 11 IN THE EU: SUSTAINABLE CITIES AND COMMUNITIES **SDG 9 IN THE EU: INDUSTRY, INNOVATION AND INFRASTRUCTURE**



ec.europa.eu/eurostat



THE JOURNEY FROM DATA TO WISDOM

[IMAGE CREDITS: HTTPS://EN.WIKIPEDIA.ORG/WIKI/DIKW_PYRAMID/]

DATA (& SOURCES)

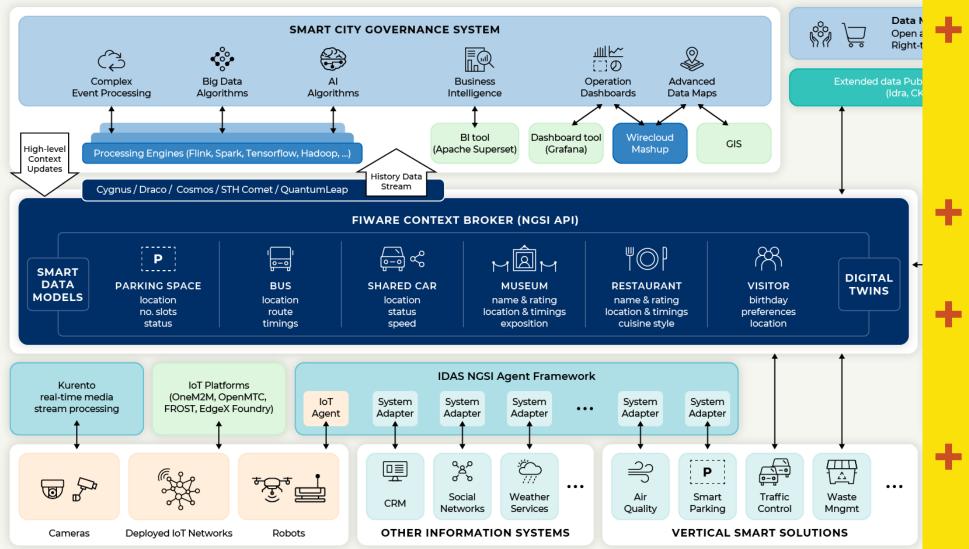




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FROM DATA TO INFORMATION





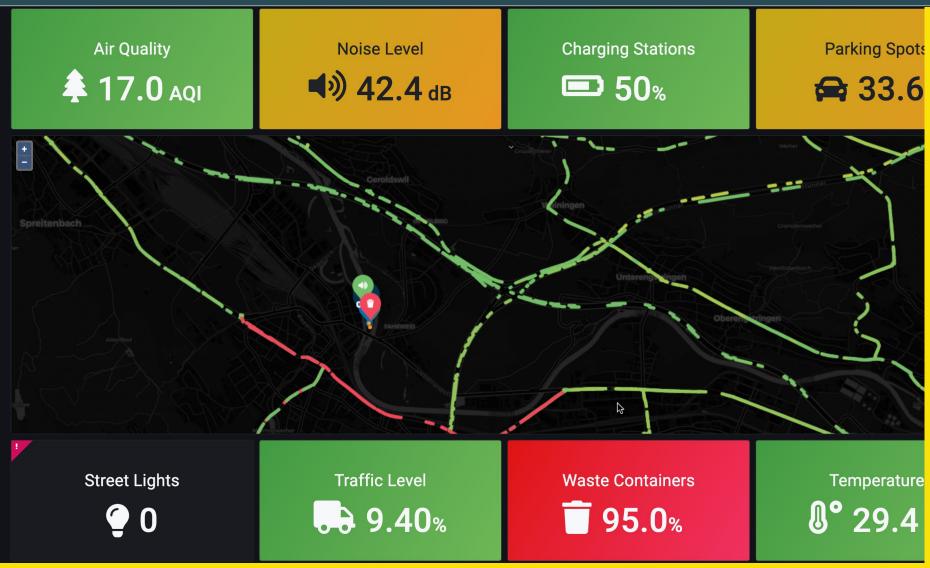
Data governance enables information

- Models are key to read data
- Context is key to make sense out of data
- Silos limit knowledge creation

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FROM INFORMATION TO KNOWLEDGE



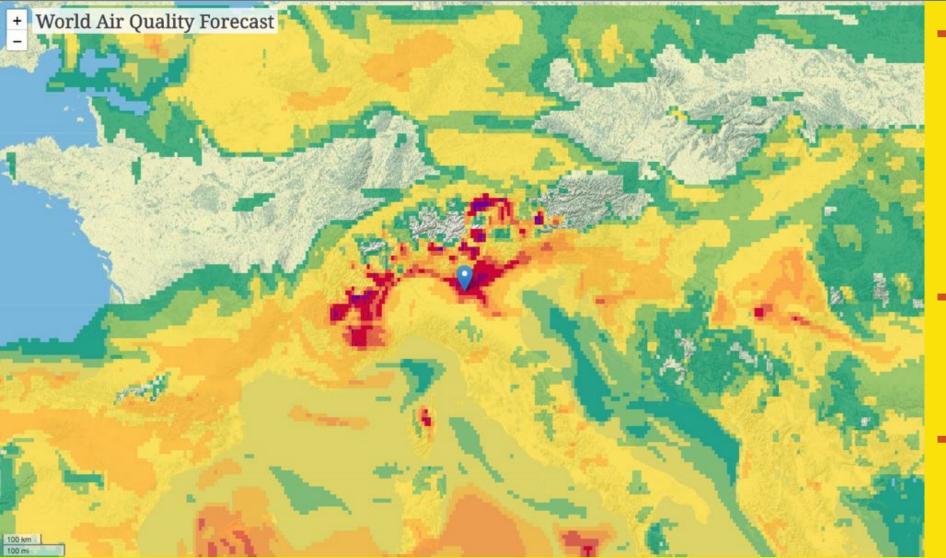


 to answer "why"
You need more data to validate your "model"

+ Use information

FROM KNOWLEDGE TO WISDOM





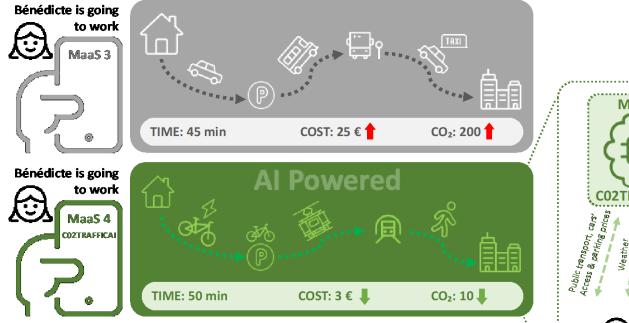
 Wisdom is essentially about forecasting and impacting the forecast

 Your data is likely to not be enough

 Your models are likely to not be enough

A CONCRETE EXAMPLE: USING AI TO REALIZE OPEN MASS





Sample use case: dynamic climate impact aware multi-modal trip

MaaS 4 MaaS 4

• Open MaaS enabling components

- Active demand management
- Pillar for policy-driven MaaS

Al-powered decision support

- Advanced CO₂/GHG monitoring
- Scenarios for policymakers
- Recommendations and planning for mobility users

Multi-stakeholder vision

- City, transport operators, citizens
- Sharing data, insights, AI models



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CITIES



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