Open data developments, opportunities and challenges in Europe
Lessons learned from open data best practices in 2022

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Twinning
Open Data
Operational

Overview

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A	**TODO Capacity Building** ▶▶
B	**Details of the visits** ▶▶
C	**General impressions** ▶▶
D	**General conclusions** ▶▶
E	**Next steps** ▶▶

TODO Project Work Packages
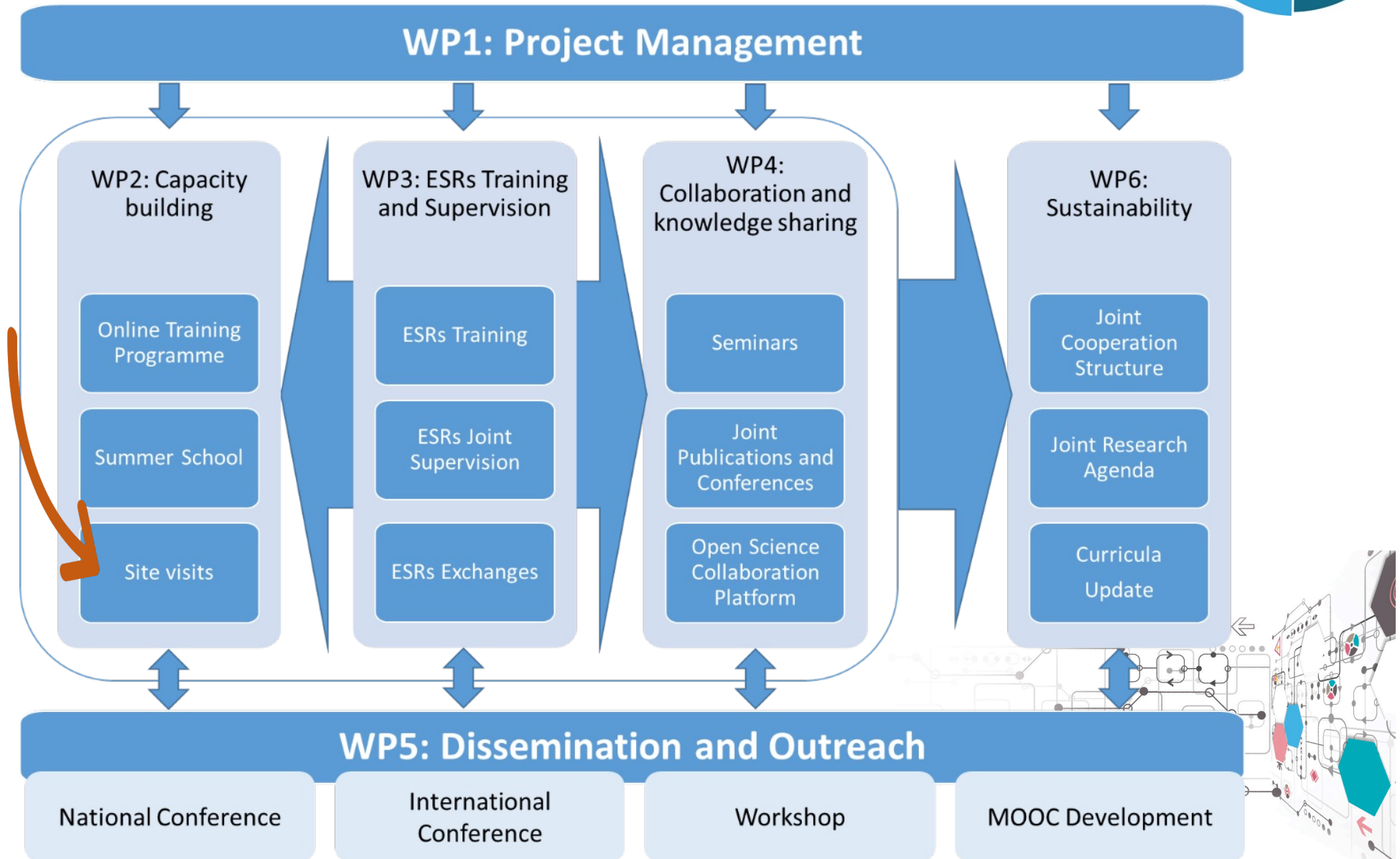
WP2 Capacity Building

- **Aim**: To enhance the overall scientific research and innovation capacity of UNIZG significantly in the field of open data

- **How**: UNIZG staff visit OD Best Practice organizations to see / discuss open data implementation in practice

- **When**: 2 Onsite visits of 3 days each in 2020 and 2021
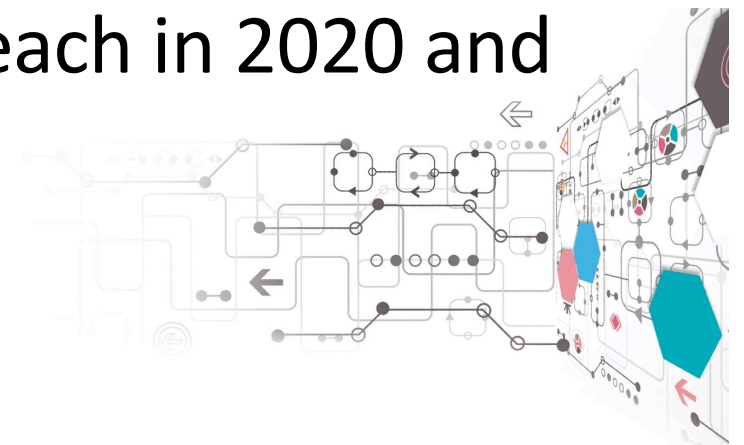
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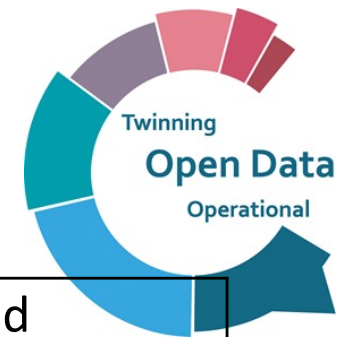- **When**: 2 Onsite visits of 3 days each in 2020 and 2021
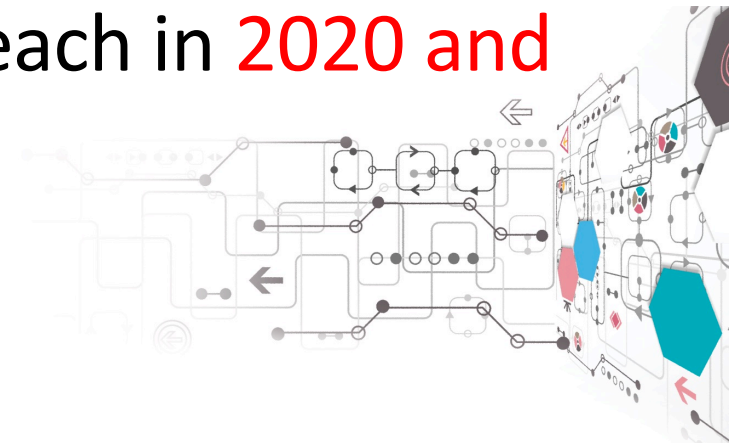
Instead:

- 6 Online knowledge exchange lunchtime sessions in 2021 and 2022
  - Per domain / topic / country
  - Open to TODO staff AND students

- 1 Onsite visit to Brussels in Feb. 2022
  - National and regional OD organisations
 - Public and private sector

Details of visits

29 June 2021	Managing (High-Value) Open Data Platforms for geodata and statistical data (Netherlands)
6 July 2021	Balancing public sector open (real-time traffic) data and private sector non-open data (Netherlands)
15 Nov. 2021	Legal aspects of open (research) data and balancing data protection (EU)
22 Nov. 2021	Data Spaces and Urban Data Platforms (at local level)
29 Nov. 2021	Implementing a National Data Strategy in the United Kingdom - how to engage stakeholders (public sector and NGO)
6 Dec. 2021	Open Data in Estonia (public & private sector)
8 Feb. 2022	European Data Protection – present and future (EU)
23 Feb. 2022	Open Geodata – opportunities and challenges (EU) (public & private sector)
24 Feb. 2022	Open Data Implementation in Flanders (Belgium)

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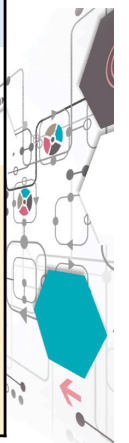
Different aspects of Open Data
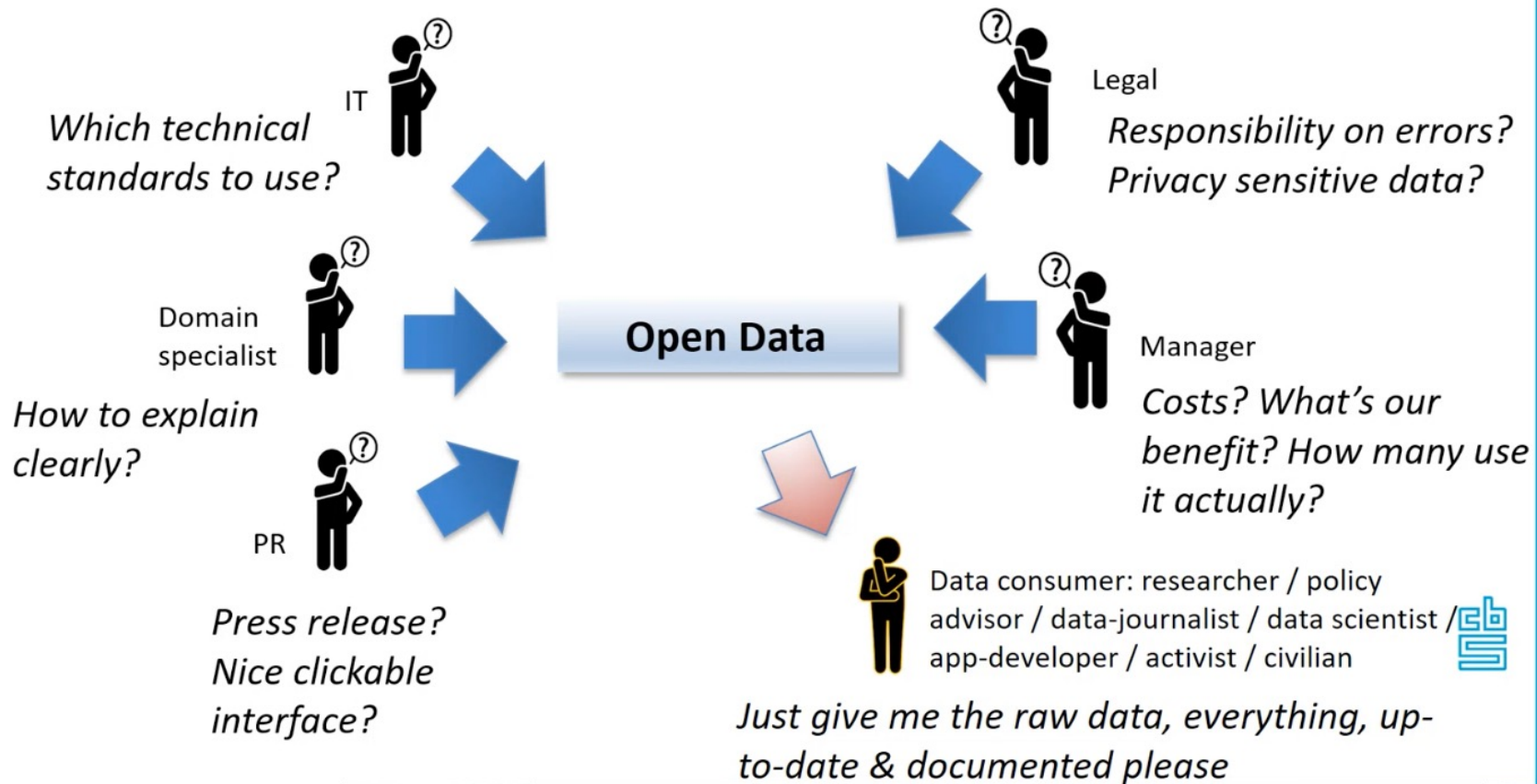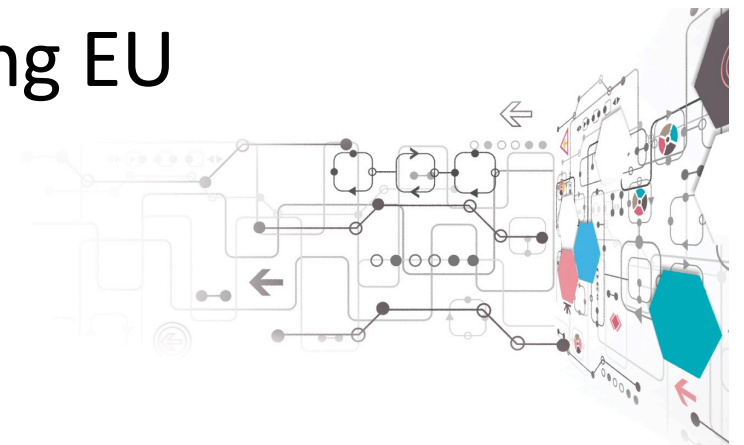
General emerging issues

- Shift from (publishing) open data as a goal to a means / part of digital strategy
  - Shift towards digital transformation

- Shift from data portals to data platforms
  - Public sector and private sector / citizens data

- (some) Anticipation of upcoming EU legislation

National Road Traffic Data Portal

- 20 Gov't national and local agencies as data suppliers

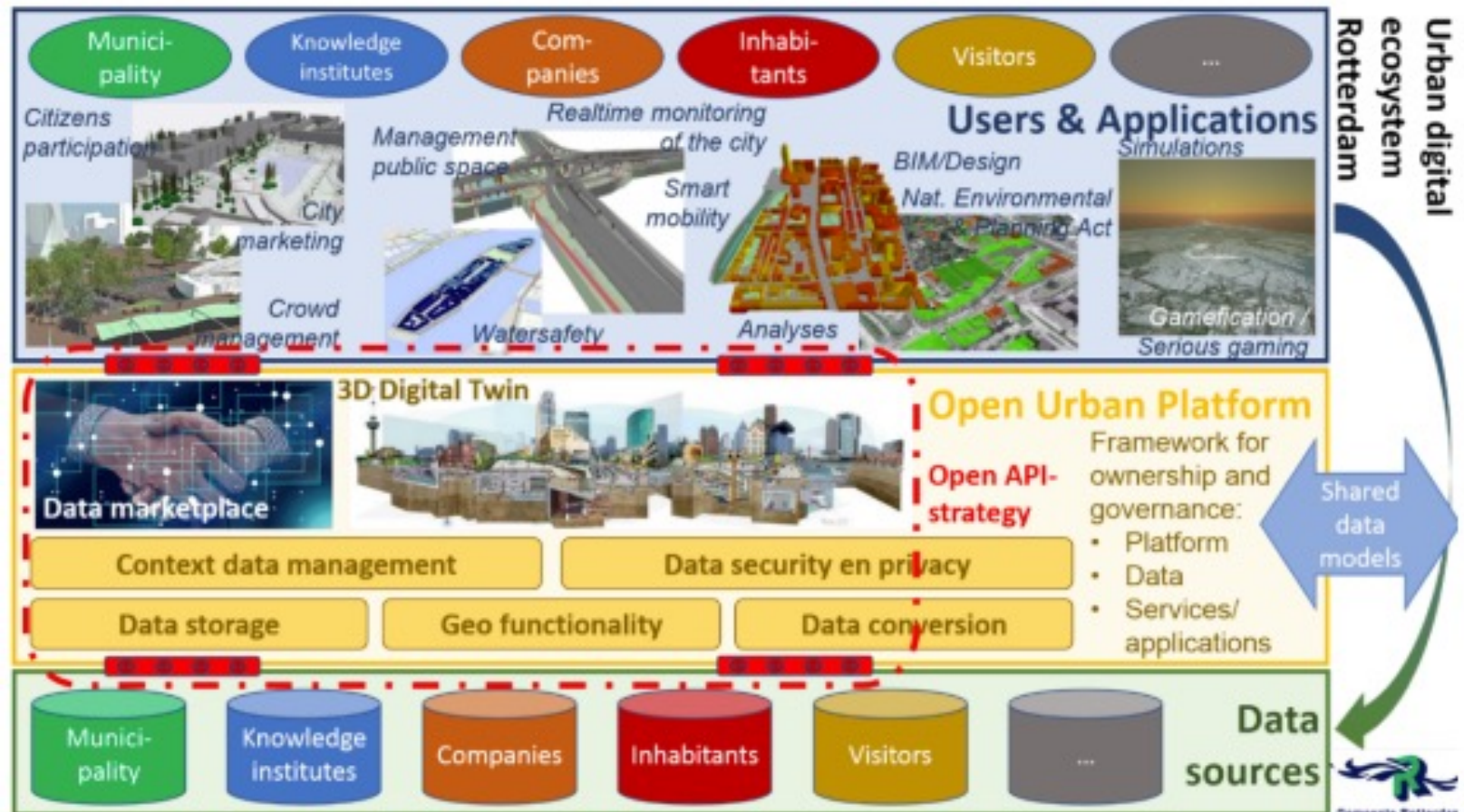- 11 Market parties through 'Data4Data' / 'Data4Services' agreements
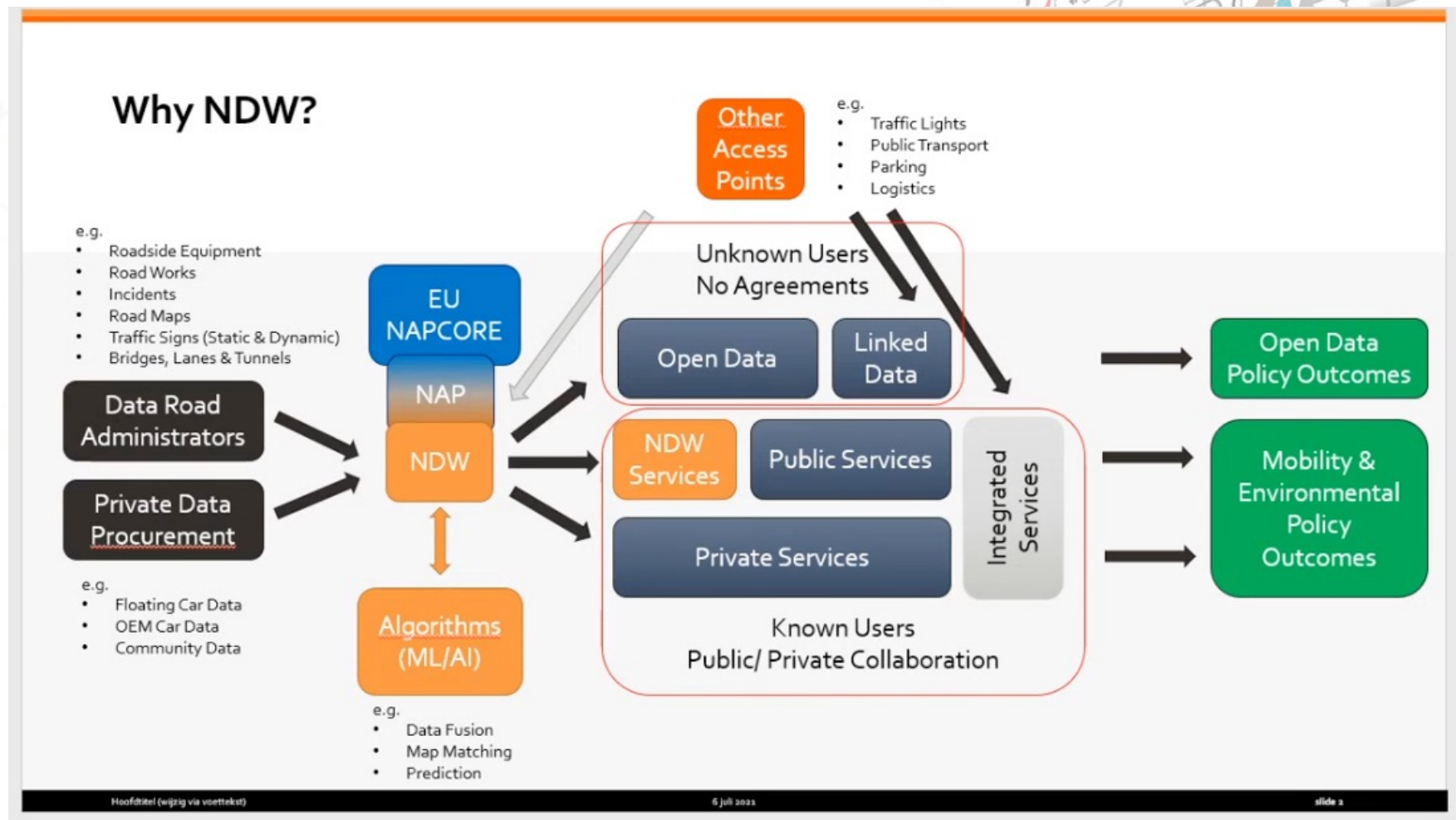
Data Platforms as hybrid platforms

- Data platforms integrating Digital Twins with private sector data, sensor data, citizens' data

Different levels of Maturity

Open Knowledge Foundation
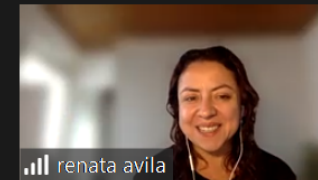
" PROPOSAL: A situated, cybernetic system resting upon a federated commons for data generated in the city, a City Data Commons, governed by citizens at the local level, the municipal level, and the trans-municipal, diplomatic level of collaboration with neighbour cities.

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Other interpretation

The Digital Transformation House

Digital Future
Digital Personal Assistants,
Digital Money, Cross-border

Digital Services
Feedback Loops: Interesting & Useful

Digital Infrastructure
e-ID, Data Exchange, Once Only

Digital Mindset
Access, Education

TARTU ÜLIKOOL
1632

Estonia
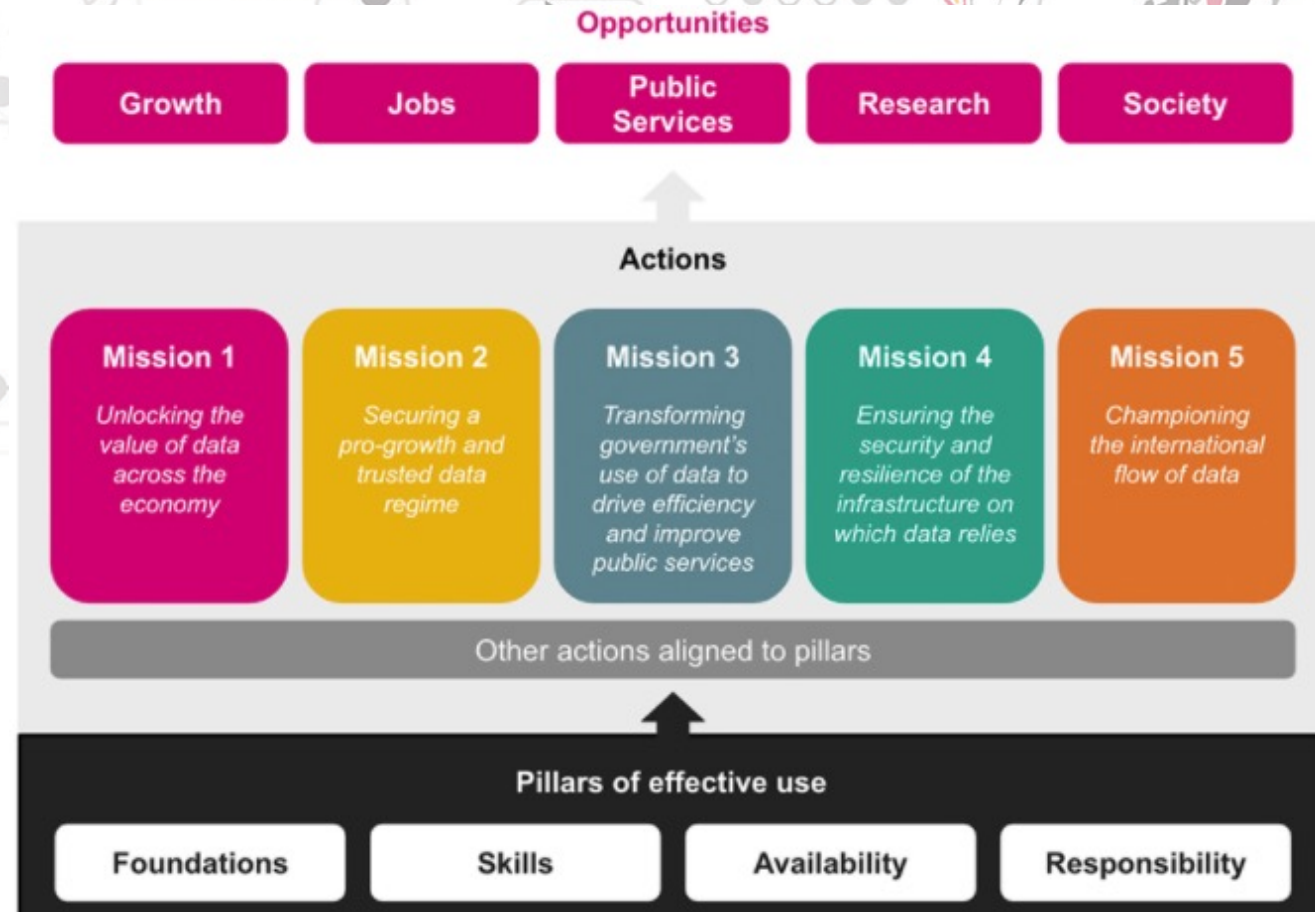
- Has a head start in terms of data literacy skills and trust in e-services

- X-Road as a Data Exchange Platform interconnecting public sector data and citizens data.
  - Citizens provide consent which public register data may be shared with which private sector parties

- Kratt strategy to boost uptake of AI in the public sector and in the private sector

    - Brain drain to other countries
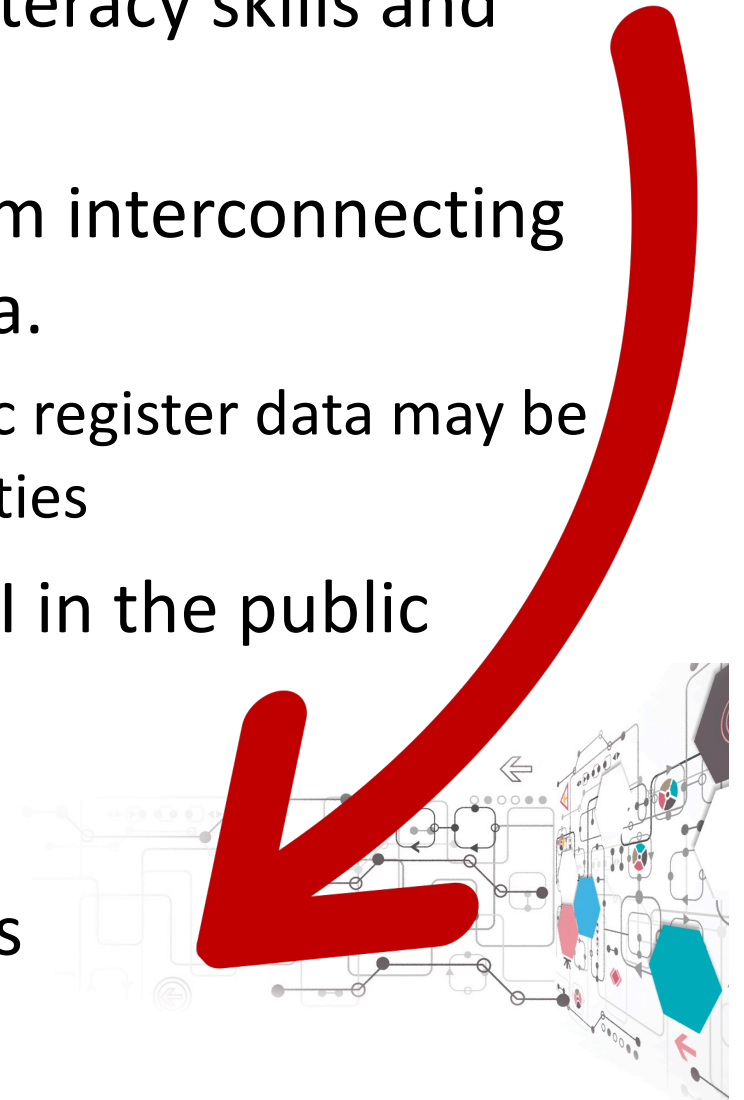
UK National Data Strategy 2020

- National Data Strategy Forum in 2021
- Includes data ethics & transparency of algorithm-assisted decision-making
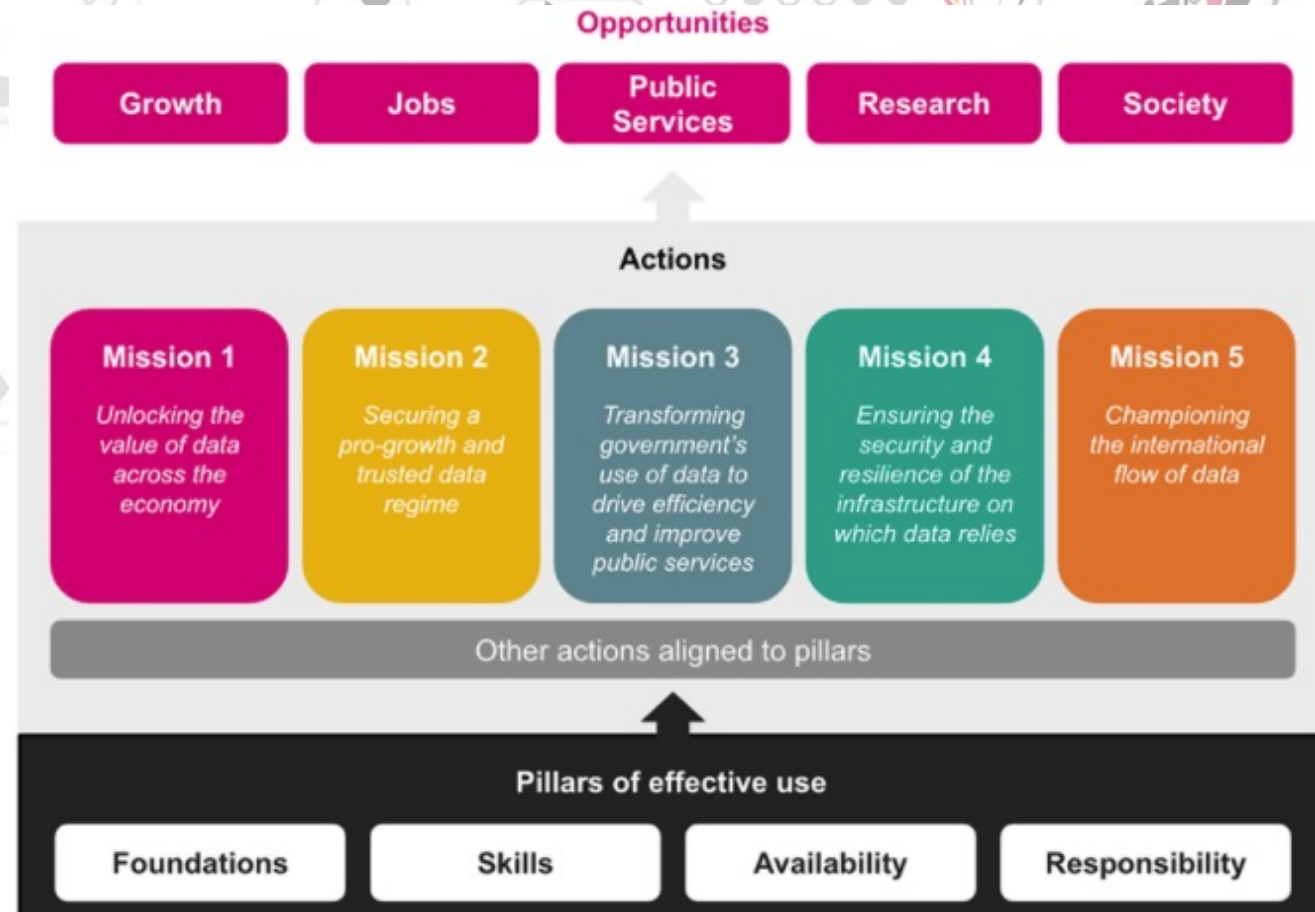
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- → TRUST

Opportunities

Growth	Jobs	Public Services	Research	Society

Actions

Mission 1	Mission 2	Mission 3	Mission 4	Mission 5
Unlocking the value of data across the economy	Securing a pro-growth and trusted data regime	Transforming government's use of data to drive efficiency and improve public services	Ensuring the security and resilience of the infrastructure on which data relies	Championing the international flow of data

Other actions aligned to pillars

Pillars of effective use

Foundations	Skills	Availability	Responsibility

Common issues raised in the meetings

- How to get in touch with OD reusers?

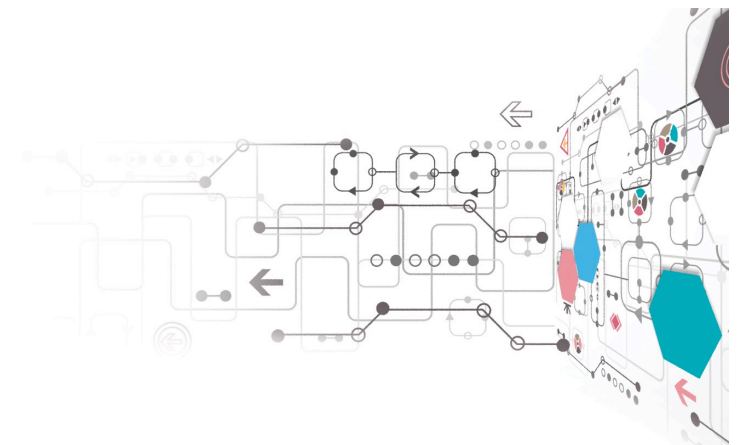- How to deal with lack of resources?
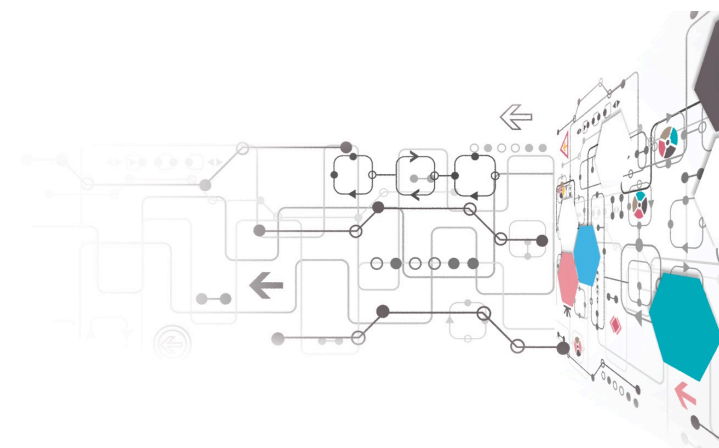
Common issues raised in the meetings

- How to get in touch with OD reusers?

- How to deal with lack of resources?

- How to build trust?

  - AI developments

  - Decision-making based on algorithms

- How to increase digital skills / data literacy?

  - Without losing this capacity?

              Funding

Future issues

- Publishing open data is a by-product for many public sector organisations

- Within local administrations no broad recognition of the value of their data for others, especially other public sector bodies

- With increasing datafication of cities (sensor data), data ownership and data sharing more important

- In an (open) data ecosystem all stakeholders – including other public sector users - need to be involved
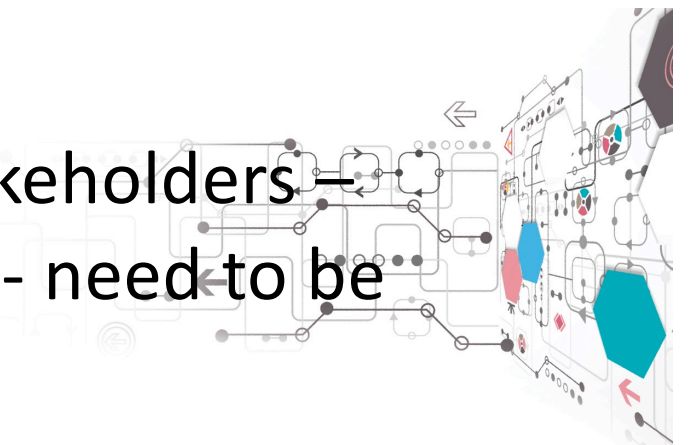
Thank you for your attention

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