



Monitoring the digital transformation

A presentation by Sven SCHADE (JRC, Digital Economy Unit)
based on contributions by DG CONNECT, DIGIT and the JRC

14 October 2022



JRC Mission

As the science and knowledge service of the European Commission our mission is to support EU policies with independent evidence throughout the whole policy cycle.

Outline

1. Introducing key monitoring schemes
2. Highlighting cross-cutting messages
3. Suggesting items for discussion



Report on the monitoring of the Berlin Declaration

Directorate General for Informatics

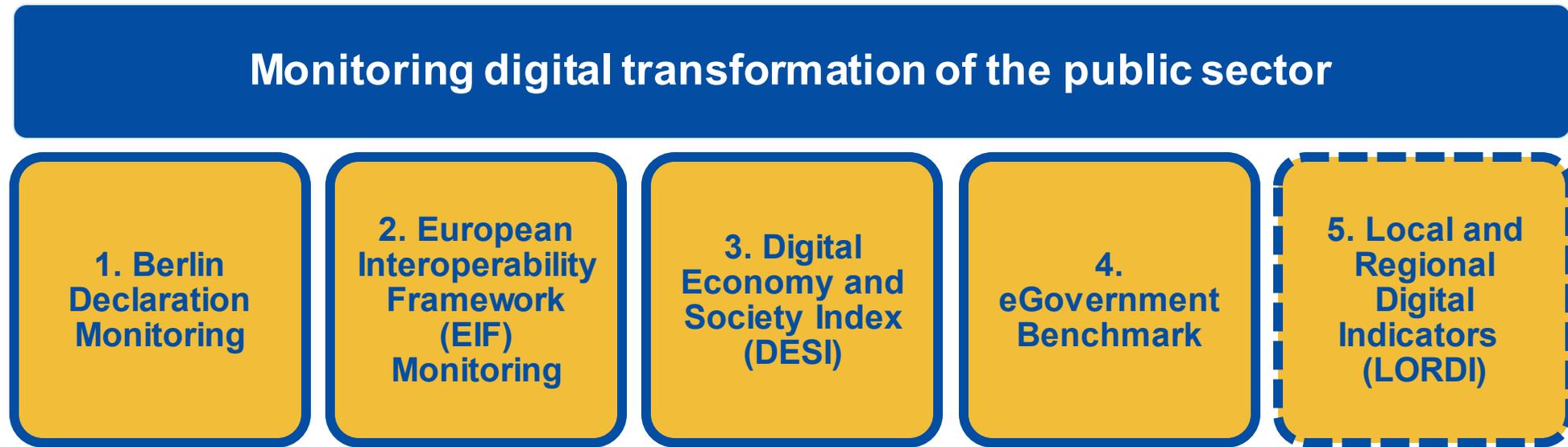
May 2022



*“We therefore invite the forthcoming EU Council Presidencies to pick up and improve this work, again with the support of all Member States and the European Commission - and **in close alliance with other EU initiatives (e.g., DESI, eGovernment Benchmark, NIFO)**”*



Overview of key monitoring schemes



 Established activity  Planned

Berlin Declaration Monitoring (2020-2024)



We, the signatories, will (...) annually present our implementation progress of this declaration in our **countries annual progress reports** as prepared by the respective EU council presidency until 2024 and ask the **European Commission for support in setting up an appropriate mechanism.**



- Led by the German Presidency of the Council of the EU and **co-designed** by the CIO Network, with monitoring setup by the EC and voluntary countries
 - Monitors the Declaration's "policy action areas" showing Member State **progress and sharing best practices**
 - [First annual progress report](#) (2021) published together by the Council Presidency and the EC
-
- Most **ambitious digital government declaration** since Tallinn (2017), monitoring political commitments on: respect of fundamental rights; digital inclusion; digital literacy; security & trust; digital sovereignty & interoperability; innovation; resilience & sustainability
 - **Reduces reporting burden** by reusing data sources, as well as joint data collection with EIF monitoring

See the Berlin Declaration on Digital Society and Value-Based Digital Government

The EIF Monitoring



The EIF Monitoring Mechanism's goal is to provide each Member State with its level of implementation of the European Interoperability Framework (EIF), it is part of the National Interoperability Framework Observatory (NIFO).

Indicates where each Member State areas for improvement when implementing EIF's 47 recommendations, organised in three scoreboards: Principles, Interoperability Layers and Conceptual Model

EIF Monitoring aids policy evaluations and synergies across EC, facilitating interoperability



Benefits



Member States **gain intelligence** on which operation areas they can improve in.



Member States obtain **granular information** on their level of **EIF implementation**.



Simplified **evaluation process** through existing indicators.



Useful input for **ISA² programme** mid-term and final evaluations.



Identification of **synergies across EC** facilitating interoperability.



Digital Economy and Society Index (DESI)



- Assesses **Europe's digital performance** as an annual composite index
- Mirrors the Digital Compass structure, focusing on connectivity, digital skills, digitising businesses and **digital public services**
- DESI reports provide a comprehensive analysis for each Member State and a European overview for key policy areas, to **embrace the full potential of digitisation**



<https://digital-strategy.ec.europa.eu/en/policies/desi>
<https://digital-agenda-data.eu/datasets/desi/visualizations>

The eGovernment Benchmark

Annual measurement comparing four dimensions of digital public service delivery across Europe:

- **User Centricity:** the extent to which information and services are available online
- **Transparency:** transparency of service processes, user involvement in service design and personal data management
- **Key Enablers:** level of adoption of IT enablers (eIDs, eDocuments, Authentic sources, Digital post and security during services processes)
- **Cross-Border Services:** online availability of information and services for users from other European countries

<https://digital-strategy.ec.europa.eu/en/library/egovernment-benchmark-2022>



Local and Regional Digital Indicators (LORDI)



- Living-in.EU movement's declaration commits to develop a framework of indicators on **digital maturity of cities and regions**
- Supporting European policies on digitalisation of relevance to Smart Communities, Data Spaces and Local Digital Twins...
- From an initial set of 175 indicators (in 2020) a scoping survey under the DIGISER project (in Q2/Q3 2021) involved inputs from 230 cities
- Currently, 24 indicators as a 'digital health check' intended as a first iteration in 2023, with a plan to cover at least 2/3 of EU population by end of 2024
- Monitoring is also networking, with peer-learning being one of the foreseen benefits, with evidence potentially contributing to the European Semester



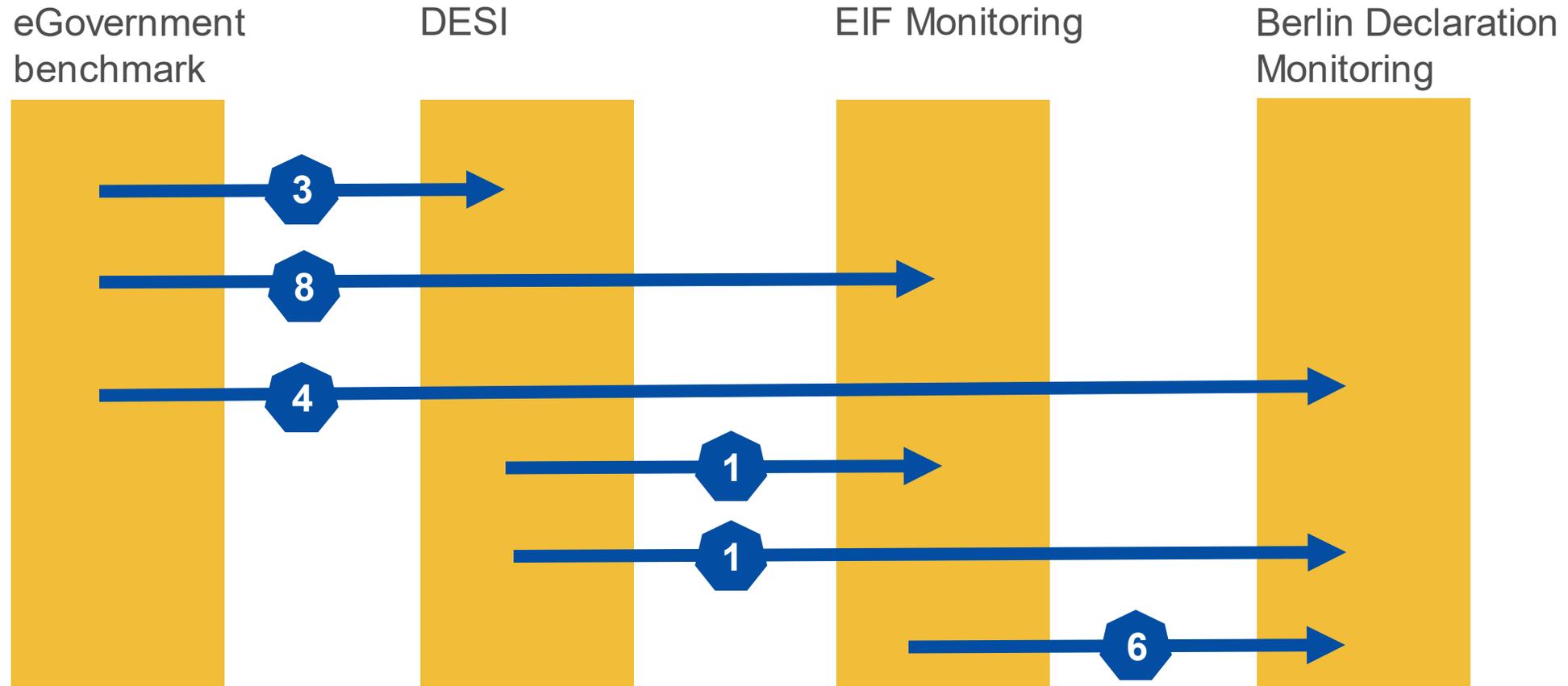
DESI & eGovernment Benchmark (re)use



- DESI feeds the **Digital Decade targets for 2030**
- Both are reused by **Recovery and Resilience Facility (RRF) country analyses** and the **European Semester**
- Both aid DG REFORM's **Technical Support Instrument (TSI)** assessments
- Interoperability aspects are used for the **EIF monitoring**
- **Member States** are provided with guidance and fresh ideas helping digitalisation efforts that focus on specific assets, following proposals in DESI's country reports and the eGovernment Benchmark's best practices

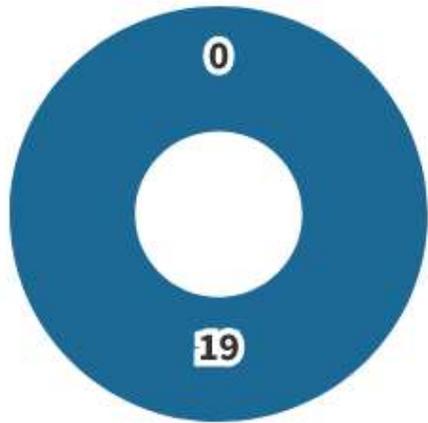
Cross-cutting analysis: Data flows and dependencies

 Number of indicators being shared between initiatives

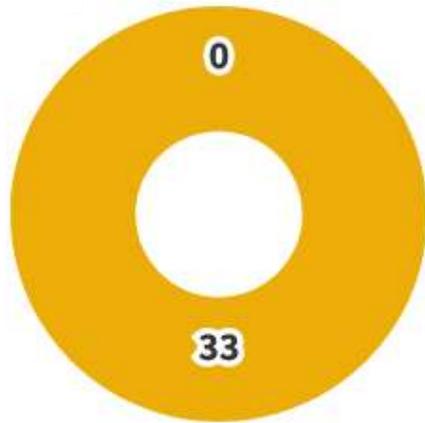


Cross-cutting analysis: Data source origin

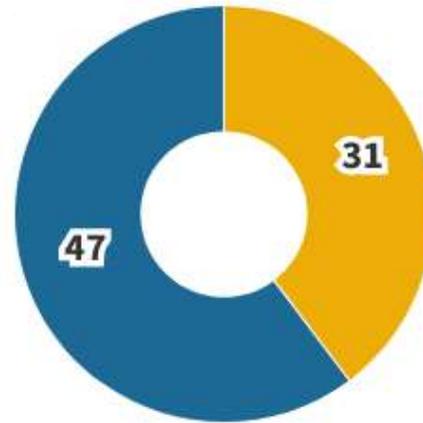
■ Primary data ■ Secondary data



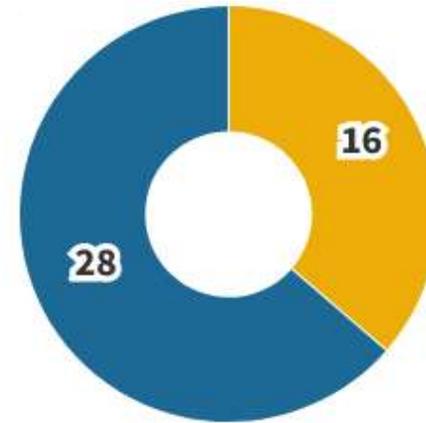
eGovernment
benchmark



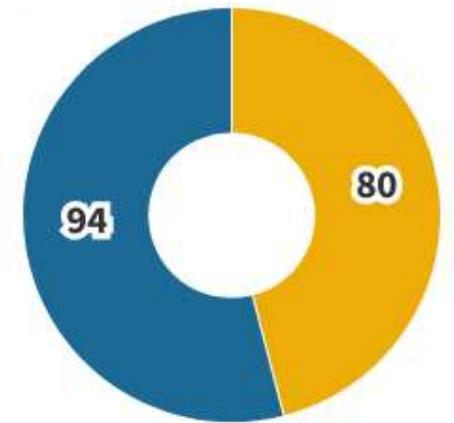
DESI



EIF Monitoring

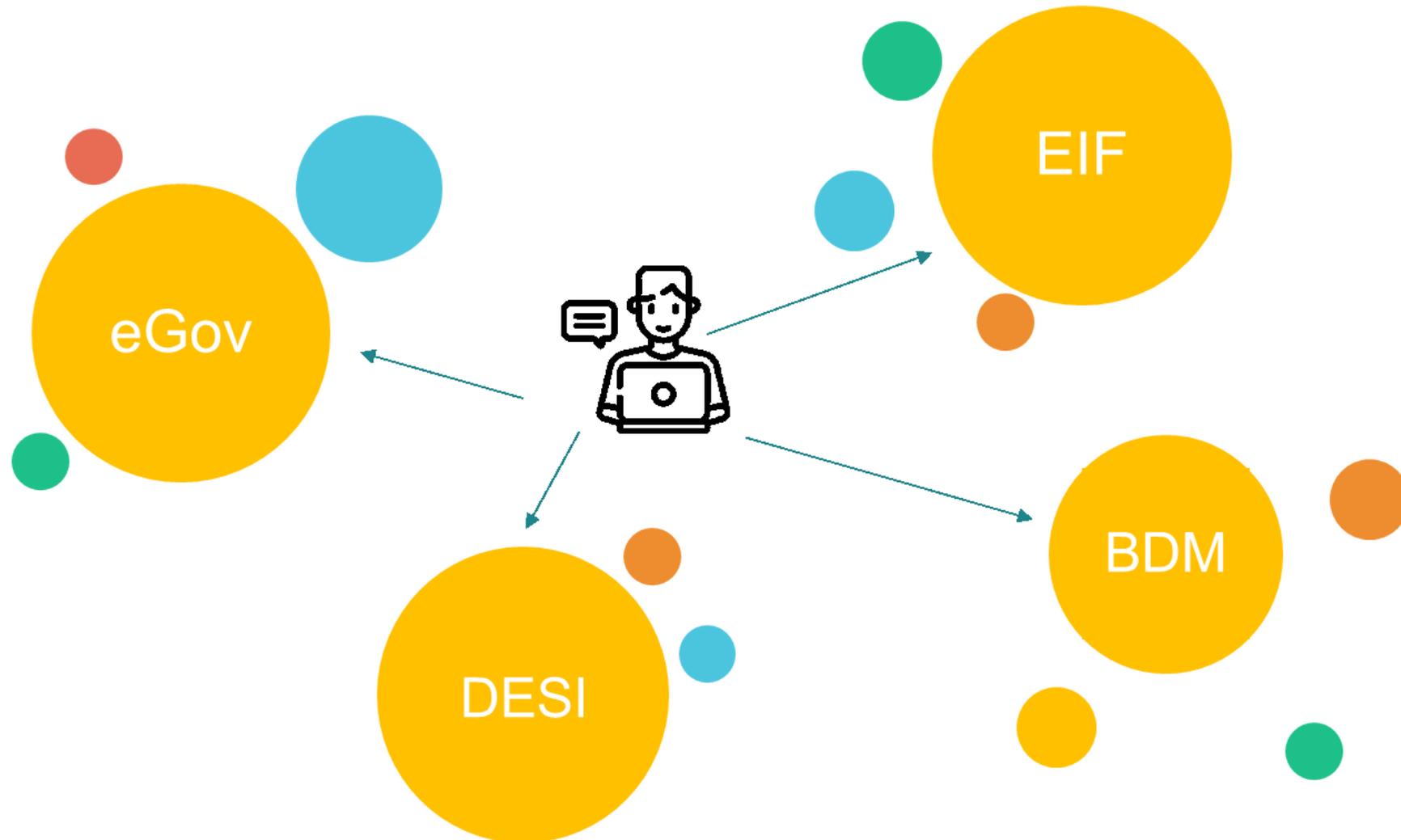


Berlin Declaration
Monitoring



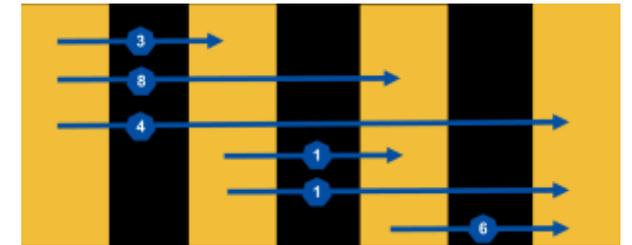
Total

Cross-cutting analysis: Stakeholder mapping



Outline (recap)

1. Introducing key monitoring schemes
2. Highlighting cross-cutting messages
3. **Suggesting items for discussion**



A two-fold way ahead for Member States and the European Commission

Increase of benefits

- *Providing evidence for domestic decision making*
- *Filling knowledge gaps*
- *Increasing coordination*
- ...

- *Streamlining content*
- *Streamlining timelines*
- *Anticipate emerging needs*
- ...

Reduction of burden

A two-fold way ahead for Member States and the European Commission

Increase of benefits

- *Which kind of indicators would you need to support your daily decisions?*
- *How can available data be made available to you for re-use?*

- *How might the current monitoring practices become more efficient/efficiently organised?*
- *Do you have best practices on how to provide required monitoring data in your country?*
- *Which monitoring-related activities are the most burdensome and why?*

Reduction of burden

Thank you!

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