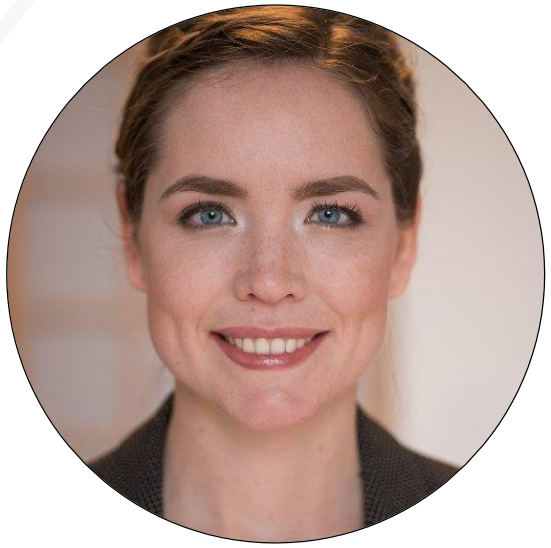
Resilient health systems: Mapping of the Health Information Systems in the EU, their resilience and preparedness to join the European Health Data Space

PHIRI Population Health Information Research Infrastructure

TEHDAS Towards European Health Data Space

EU-HIP EU INTEROPERABILITY WITH HERA'S IT PLATFORM

Moderators



Petronille Bogaert,
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Marika Borg,
Ministry For Health, Malta

Panelists

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University of Crete, National Organization For Health Care Services (EOPYY)
Greece

Introduction to the Methodology

Neville Calleja
Ministry For Health
Malta

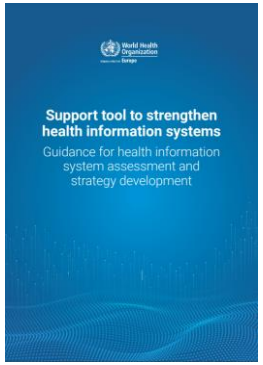
Methodology

1. Preparatory desk review

- Preparatory report
- Stakeholders selection

2. Country visit

- Semi structured-interviews using the adapted assessment tool



3. Debriefing meetings

- Multi-stakeholder meeting

4. Reporting

- One-pager
- Report

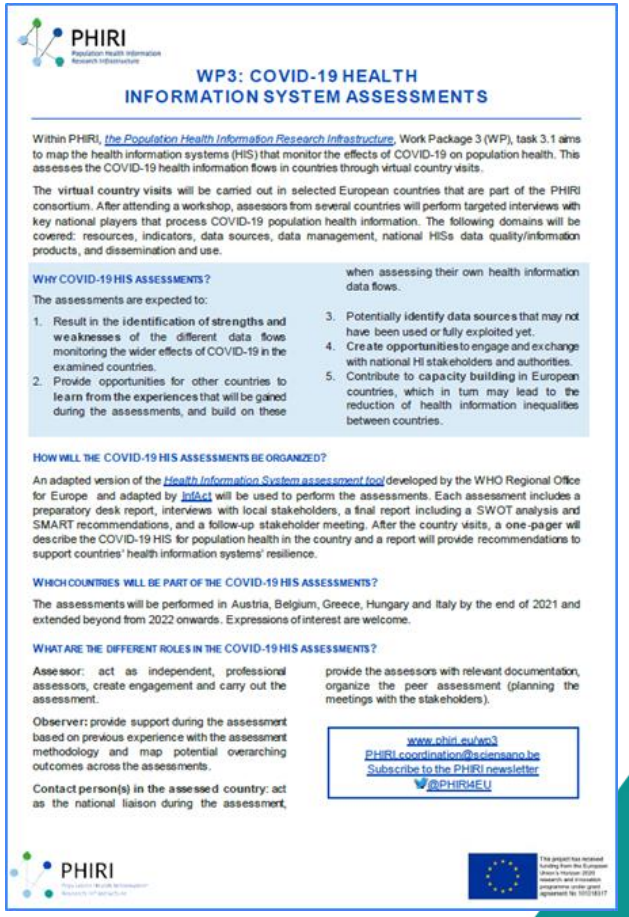
Population Health Information Research Infrastructure (PHIRI)

Nienke Schutte
Sciensano
Belgium

PHIRI
Population Health Information Research Infrastructure

PHIRI COVID-19 Health Information System assessments

- Aim
  - ✓ **Map the COVID-19 health information system (HIS)** that monitors the effects of COVID-19 on population health
- Covering: data collection, analysis, reporting, knowledge translation, governance & resources



PHIRI

WP3: COVID-19 HEALTH INFORMATION SYSTEM ASSESSMENTS

Within PHIRI, *the Population Health Information Research Infrastructure*, Work Package 3 (WP), task 3.1 aims to map the health information systems (HIS) that monitor the effects of COVID-19 on population health. This assesses the COVID-19 health information flows in countries through virtual country visits.

The **virtual country visits** will be carried out in selected European countries that are part of the PHIRI consortium. After attending a workshop, assessors from several countries will perform targeted interviews with key national players that process COVID-19 population health information. The following domains will be covered: resources, indicators, data sources, data management, national HISs data quality/information products, and dissemination and use.

WHY COVID-19 HIS ASSESSMENTS?

The assessments are expected to:

1. Result in the **identification of strengths and weaknesses** of the different data flows monitoring the wider effects of COVID-19 in the examined countries.
2. Provide opportunities for other countries to **learn from the experiences** that will be gained during the assessments, and build on these when assessing their own health information data flows.
3. Potentially **identify data sources** that may not have been used or fully exploited yet.
4. **Create opportunities** to engage and exchange with national HI stakeholders and authorities.
5. Contribute to **capacity building** in European countries, which in turn may lead to the reduction of health information inequalities between countries.

HOW WILL THE COVID-19 HIS ASSESSMENTS BE ORGANIZED?

An adapted version of the *Health Information System assessment tool* developed by the WHO Regional Office for Europe and adapted by InfAct will be used to perform the assessments. Each assessment includes a preparatory desk report, interviews with local stakeholders, a final report including a SWOT analysis and SMART recommendations, and a follow-up stakeholder meeting. After the country visits, a **one-pager** will describe the COVID-19 HIS for population health in the country and a report will provide recommendations to support countries' health information systems' resilience.

WHICH COUNTRIES WILL BE PART OF THE COVID-19 HIS ASSESSMENTS?

The assessments will be performed in Austria, Belgium, Greece, Hungary and Italy by the end of 2021 and extended beyond from 2022 onwards. Expressions of interest are welcome.

WHAT ARE THE DIFFERENT ROLES IN THE COVID-19 HIS ASSESSMENTS?

Assessor: act as independent, professional assessors, create engagement and carry out the assessment.

Observer: provide support during the assessment based on previous experience with the assessment methodology and map potential overarching outcomes across the assessments.

Contact person(s) in the assessed country: act as the national liaison during the assessment, provide the assessors with relevant documentation, organize the peer assessment (planning the meetings with the stakeholders).

www.phiri.eu/wp3
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Subscribe to the PHIRI newsletter
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Best practices

- **Strong vaccination system** implemented before the COVID-19 crisis hit
- Rapid technological surveillance system set-up
- Pivotal role of **telemedicine** during COVID-19
- Data dashboards and regular reports (publicly) available
- **Involvement of the private sector** outside health to learn from e.g. their supply chain expertise
- Experts involved in an **interdisciplinary** manner to improve communication and dissemination activities
- **Trust** in relation to health information identified as a key priority in peacetime and was built over time
- Linkage of databases to ensure coverage of **vulnerable populations**
- Innovation in **water sewage surveillance**

Towards the European Health Data Space (TEHDAS)

Irini Kessissoglou
Sciensano
Belgium

TEHDAS Towards European Health Data Space

TEHDAS Country visits

Aim

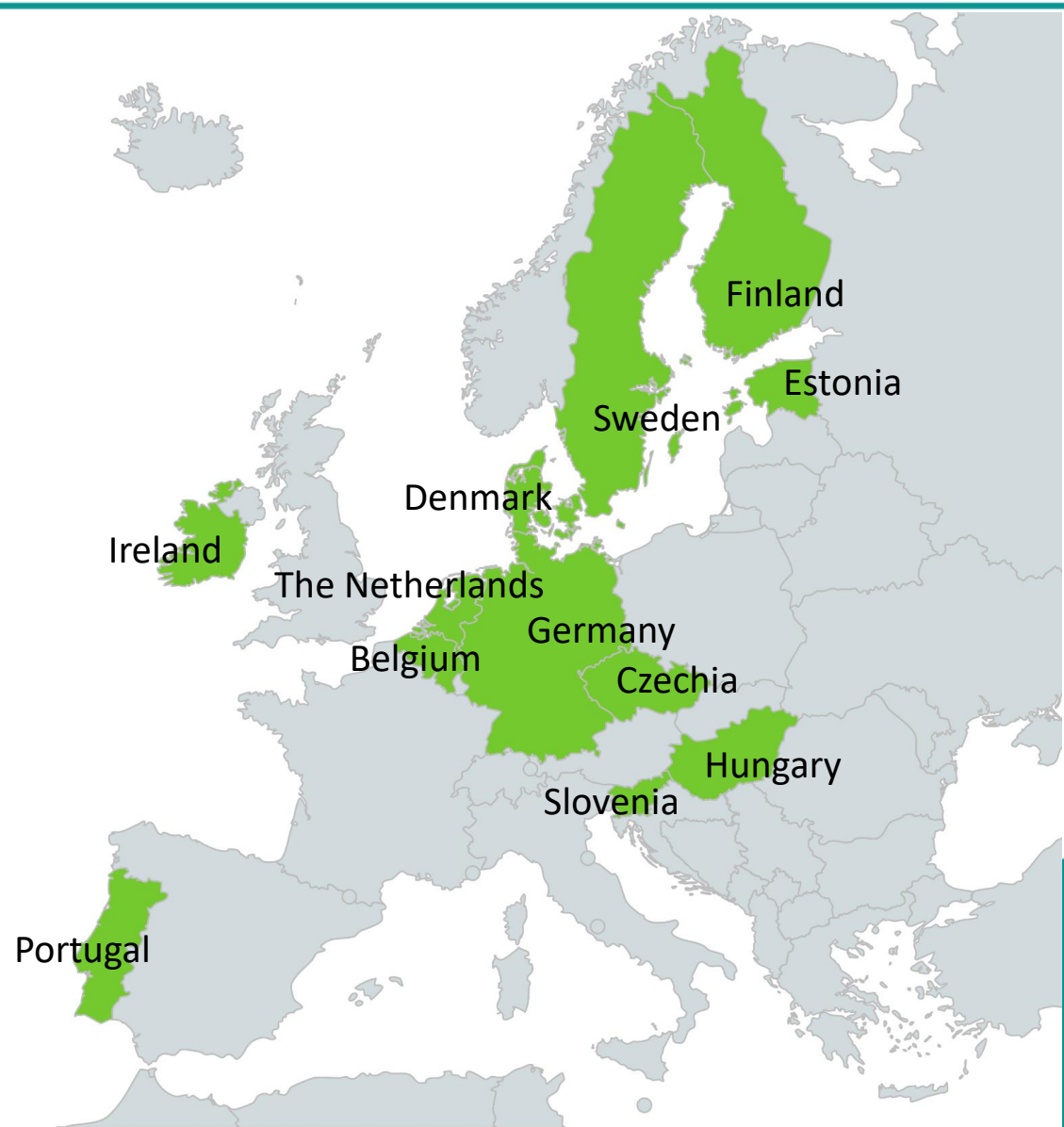
To engage with national stakeholders and **map the state-of-play** of the national **health data management systems** and their preparedness to join a future **European Health Data Space for secondary use** (EHDS2)

12

Timeline:

December 2021 – December 2022

12 member states, 178 interviews



TEHDAS Towards European Health Data Space

Preparedness for the EHDS

- Digitalised health data (9 / 12)
- Common metadata catalogue in place or work ongoing (5/ 12)
- Universal usage of a unique personal identifier for health (10 / 12)
- Use remote secure processing environments for data analysis (8 / 12)
- Wide use of internationally recognised standards for data management (4 /12)
- Use of semantic interoperability standards, health data structure (9 / 12)
- Similar access rights for national and foreign researchers (10 / 12)
- Political will to join the EHDS (12 / 12)
- Potential national contact point for the EHDS2 already existing (3 / 12)

Conclusions

1. In general, **positive views** on the impact and added value of the EHDS for secondary use, and willingness to join.
2. Challenges and needs remain!
3. Need of **more time** to implement the legislation and update the national legislative framework to align.
4. Need of more **resources**: human, technical and financial.
5. Ensuring **data security**, maintaining **citizen's trust**, and demonstrating **equal benefits** for all.

Feel free to visit our website: www.tehdas.eu

1) Results: Country factsheets

2) Methodology on how to conduct country visits

Contact us: TEHDAS.Sciensano@sciensano.be

https://tehdas.eu/packages/package-4-outreach-engagement-and-sustainability/tehdas-country-visits/

Towards the European Health Data Space (TEHDAS)

Michael Peolsson
Swedish e-Health Agency
Sweden

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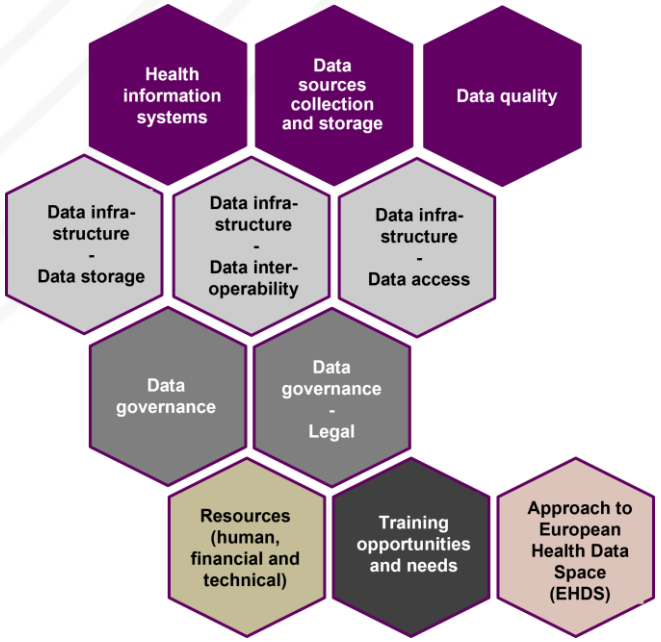
Space

Experiences being an assessor

- The preparation process of the interviews
- The learning about national health data landscapes
- The learning about national challenges and solutions
- The learning about differences in conditions
- The dialogues
- The network

Being an assessor and how to use experiences from having Sweden assessed

Outputs



Being an assessor and how to use experiences from having Sweden assessed

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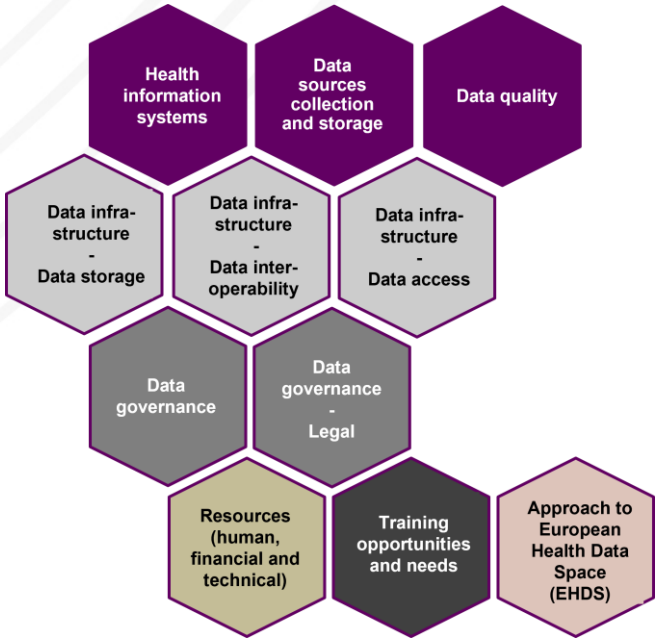
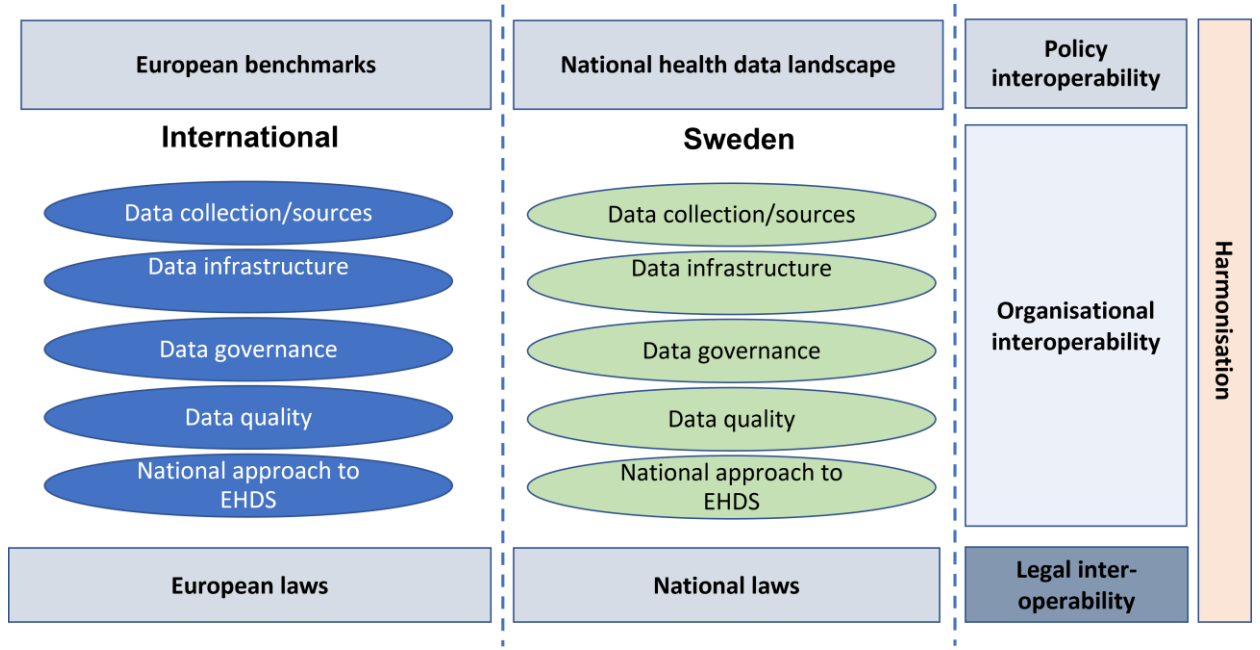
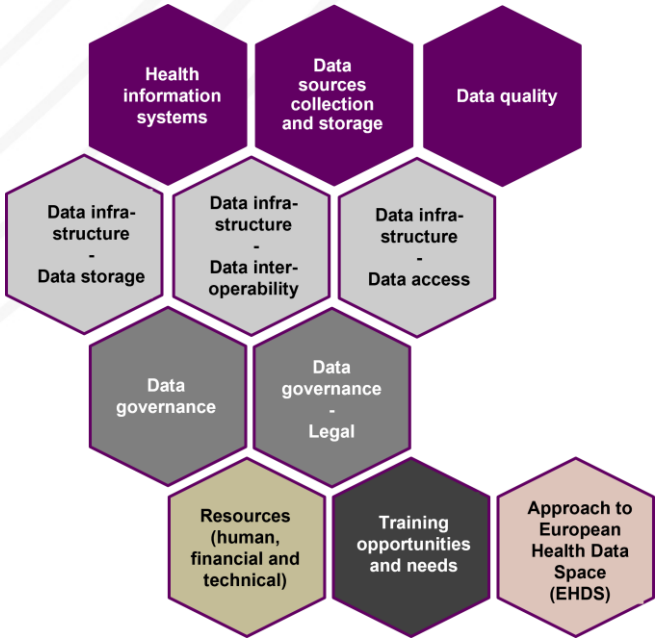


Outcomes



Being an assessor and how to use experiences from having Sweden assessed

Outputs



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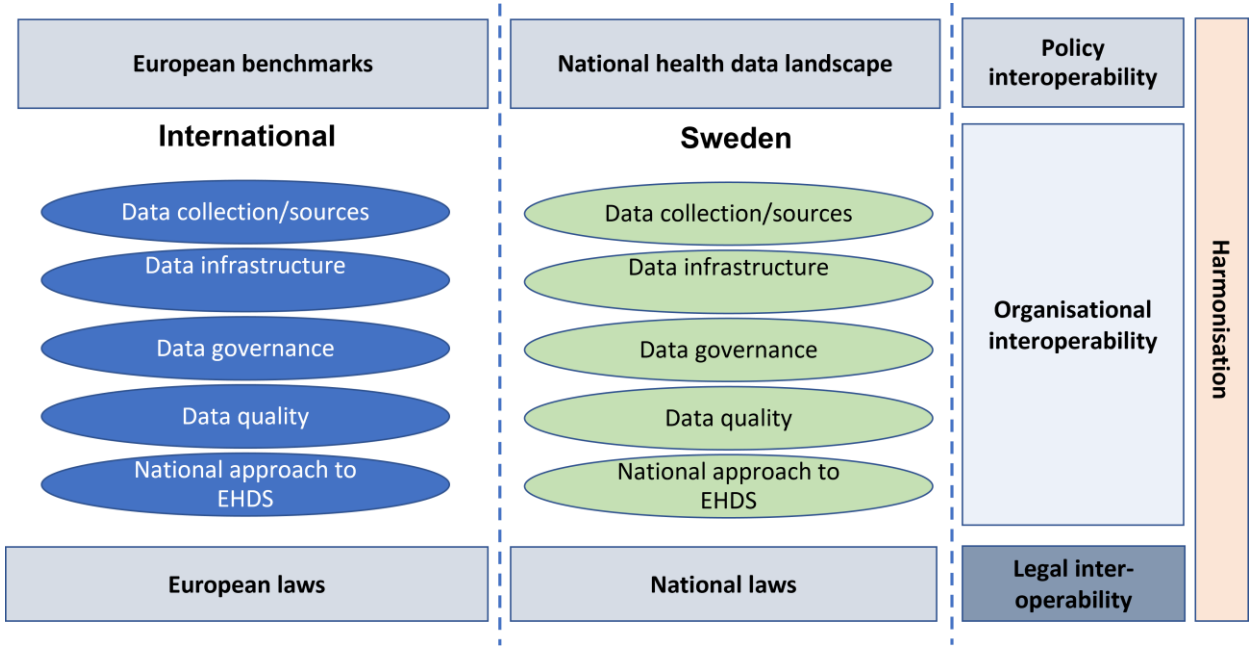
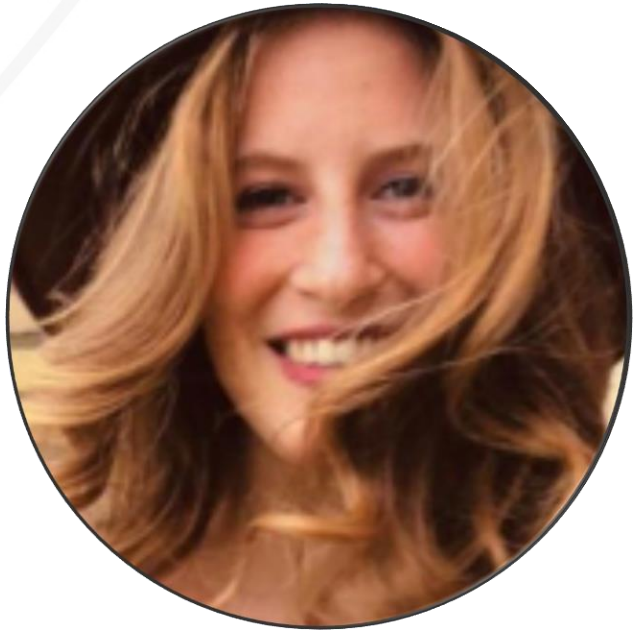


Impact

- International and national networks
- Benchmarking challenges and opportunities
- Learning by examples
- Preparatory work towards EHDS (HDAB)
- A Swedish country report as a basis for collaborations
- Fact sheets for benchmarking

EU interoperability with HERA's IT platform



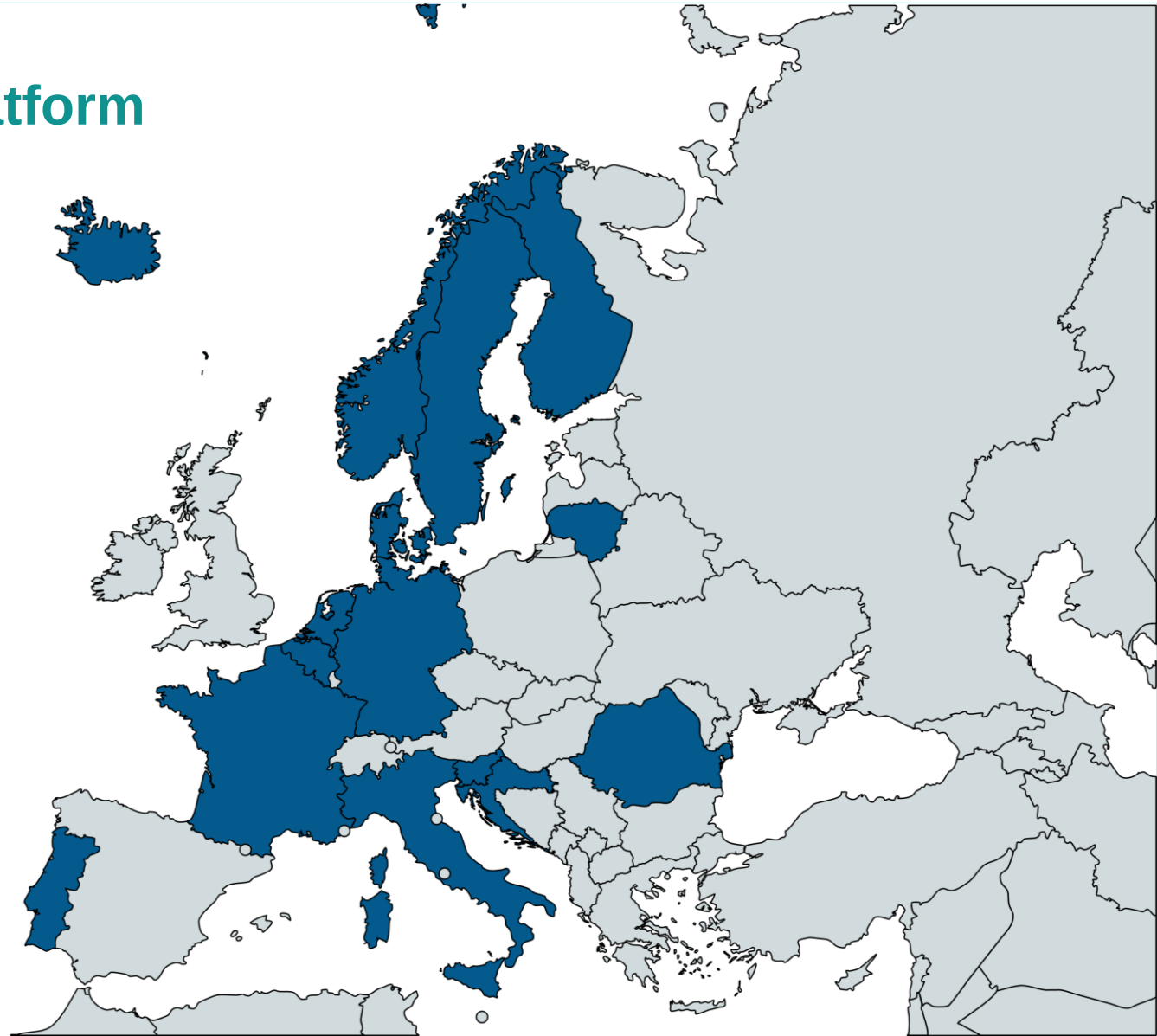
Miriam Saso
Sciensano
Belgium

EU-HIP
EU INTEROPERABILITY WITH HERA'S IT PLATFORM

EU interoperability with HERA's IT platform

Timeline: 1 January 2023 – 30 months
Coverage: 23 partners in 15 countries
Structure:

- Project management and coordination
- Communication and Dissemination
- Evaluation
- Sustainability
- Focus on specific technical needs



EU-HIP
EU INTEROPERABILITY WITH HERA'S IT PLATFORM

What is HERA?

- Health Emergency Preparedness and Response department of the European Commission
- One of HERA's core missions: strengthening of health security coordination and collaboration within EU, both for preparedness and in crisis times

What is the role of the EU-HIP?

- For intelligence gathering and threat assessment, HERA needs support from the Member States and associated countries
- Main objective of EU-HIP: enhance and improve national IT systems, with the objective of obtaining the necessary interoperability with HERA's IT platform

EU-HIP
EU INTEROPERABILITY WITH HERA'S IT PLATFORM

Concluding remarks

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