euvabeco

EUROPEAN VACCINATION BEYOND COVID-19

The EUVABECO EVC project

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A. Cimino Cimbiose

International Vaccine Codes

Euvabeco EVC – the origin

- COUNCIL RECOMMENDATION of 7 December 2018 on strengthened cooperation against vaccine-preventable diseases
- 2018 launch of a European vaccination card acceptability study
- 2019 Vaccine-EU consortium selected (Ipsos, Luminess, Syadem & Cimbiose)
- 2020 Covid crisis and Digital Covid Certificate deployed => re-orientation of the study from acceptancy to feasibility (Syadem & Cimbiose mostly)
- 2022 Conclusion delivered, published (and used)

European Commission, European Health and Digital Executive Agency, *Provision of options and recommendations for an EU citizen's vaccination card*, Publications Office of the European Union, 2022, https://data.europa.eu/doi/10.2925/077323

Euvabeco EVC – the origin cont.

- 2021 and then in 2022 launch of a call *'to support Member States and other relevant actors to implement relevant results of innovative public health research in relation to vaccination against COVID-19'*
  - EUVABECO: **Provide proven implementation plans** to deploy innovative tools in 5 dimensions (medical technical, industrial, social and secondary use) to **empower citizen** and **promote collaboration between MS**
  - Co-OPERATOR: developing a Country observatory for sharing best practices for vaccination promotion; 2m€ budget; Cyprus, Greece, Italy, Netherland and Portugal *led by Cyprus University of Technology*
  - Vax-Action: Tackling effectively vaccine hesitancy in Europe; 1,7 m€ Portugal, Belgium, Czechia, France, Italy and Romania *led by NOVA university of Lisboa*

Euvabeco: in figures

15 partners

5 pre-chosen tools

Budget 8,4m€

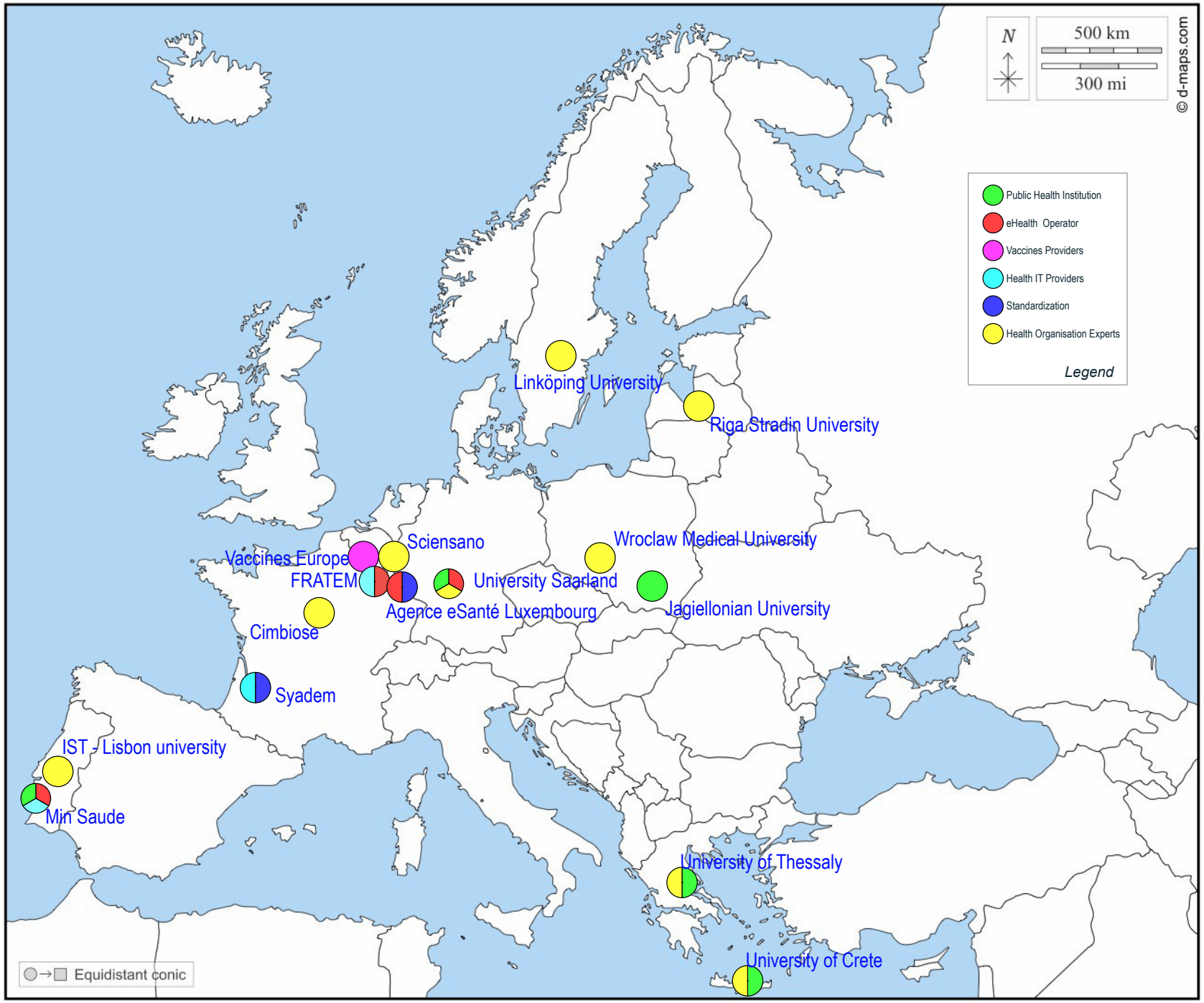
9 countries

18 pilots

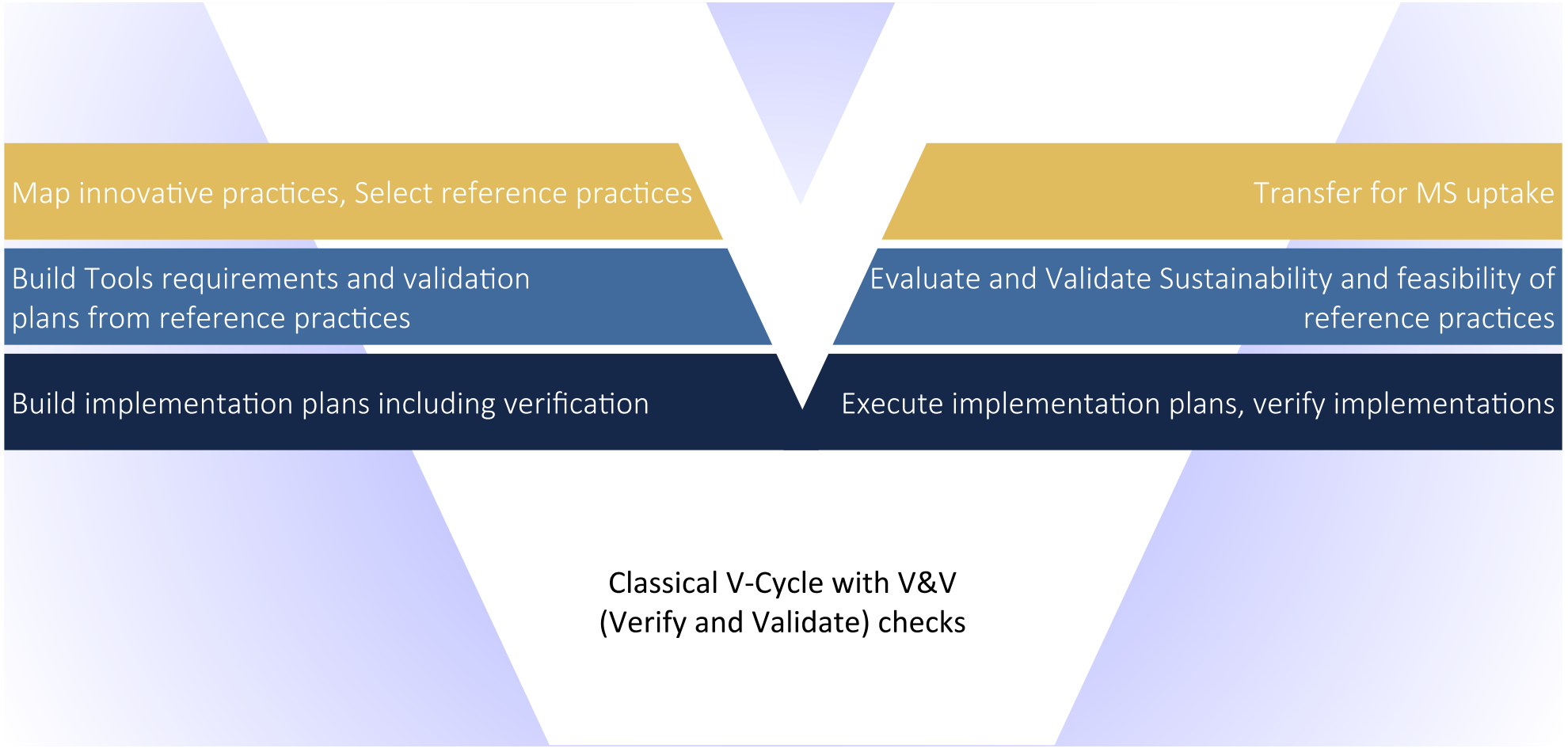
30 months (Jan 2024 – June 2026)

14 partners from 9 countries

- Belgium (x3)
- France (x2)
- Germany
- Greece (x2)
- Luxembourg
- Latvia
- Poland (x2)
- Portugal (x2)
- Sweden



A Classical industrial process



Classical V-Cycle with V&V
(Verify and Validate) checks

5 pre-selected tools

	Tool	Purpose	Baseline
Public health centric tools	Modelling and forecasting	Secondary use to support public decision on interventions.	The COVID-19 simulator from the University of Saarland
	Data linkage	Select, reach and invite vulnerable populations	The invite system implemented in Belgium
Citizen centric tools	Clinical Decision System (CDS)	Provide recommendations and justifications	The CDS implemented in France and Luxembourg
	Electronic Patient Leaflet (ePIL)	Simplify transfer of vaccines across countries	The study from Vaccines Europe
	Portable digital vaccination card (EVC)	Continuity of care	The study for options and recommendations for an EU citizen's vaccination card.

Forecasting Application

Modelling and forecasting tool – University of Saarland (DE)

- Bridge between theoretical planning and practical implementation
- Predicts and analyzes the impact of public health intervention on disease outcomes:
  - Infections
  - Hospital/ICU admission
  - Deaths
- Allows to compare different scenario and supports timely, data-driven decisions

Data Linkage Process

Social tool – Sciensano (BE)

- A privacy-protecting linkage of pre-existing data at the individual level
- Avoids prospective data collection or survey-based approach
- Screening system : identify and invite high-risk individuals to vaccination
- Vaccination surveillance: monitor coverage, effectiveness and safety among specific groups

Clinical Decision Support System (CDS) *Medical/Clinical tool – Syadem (FR)*

- Delivers personalized vaccination recommendations to citizens and health professionals
- Tailored based on individual factors: health status, age and sex, living conditions, occupation, travel plan, etc.
- Integrates national/regional health authority recommendation
- Delivers scientifically supported justifications

Irrespective of the source, NUVA allow interpretation for decision

Electronic Patient Information Leaflet (ePIL)

Industrial tool – Vaccines Europe (BE)

- Information leaflet: technical document coming with every medicinal product, subject to strict regulation
- Advantages of electronic format:
  - Timeliness and Accuracy
  - Flexibility
  - Logistical Efficiency
  - Environmental and Energy Saving
  - Refrigeration and Storage Optimization

NUVA: common reference including for vaccine not under centralised procedure.

European Vaccination Card

Digital tool – Agence e-Santé (Lux)

- A decentralized, digital, portable vaccination record
- Dual format:
  - Human-readable text
  - Digital format readable by health application
- Gives citizens access and control of their vaccine history across EU member states.
- Supports continuity of care by providing reliable vaccination history to health professional

NUVA: long-term common framework for transcoding from existing records and interpretation for deduplication.

A comprehensive Approach

- 15 partners across 9 MS (BE, EL, FR, GE, LV, LU, PL, PT, SW)
- 18 pilot projects in 6 MS from **Oct. 2024 to Sept. 2025**

Country	CDS	Data Linkage	Forecasting	EVC/ePIL
Belgium	P03			P06
Germany				P07
Greece	P02	P11L	P11M	P02
Latvia	P01			P01
Luxembourg		P09L	P09M	
Poland	P05	P10L	P10M	
Portugal	P04	P12L	P12M	P08

CDS pilots

- In Belgium, integration of the CDS in VacciCard for all health care professionals and citizen from the Wallon region.
- In Greece, CDS will be tested by cruise company both for passengers and crew.
- In Latvia, CDS is routinely used in an hospital and in a liberal practice
- In Poland, vaccination rules have been transcoded and integrated in the rule corpus.

Comparison of vaccination recommendation with and without CDS

EVC pilots

- In Belgium, integration of the EVC in the pre-existing Wallon IIS.
- In Germany, integration of the EVC in the pre-existing Saarland IIS.
- In Greece, EVC will be delivered from the IIS provided for CDS use.
- In Latvia, EVC will be delivered from the IIS provided for CDS use.

Reading and cross-frontier reconciliation of vaccine history

Euvabeco, and after

Some outcomes as **Common goods**

- Structure of EVC to be maintained (specs, resources, verification means…)
- NUVA support

And here you are.

Welcome ;-)

Some links:

https://euvabeco.eu
https://www.linkedin.com/company/euvabeco/

Contact : https://euvabeco.eu/contact/

Thank you