



Research preparedness for health crises

European transnational collaborations and the role of NPHIs

Dr. Bjørn G. Iversen, MD, MSc, PhD, Specialty Director, Division of Infection Control

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Knowledge preparedness/Research preparedness

How did Europe do during the pandemic and what needs to be done?

We lacked:

- Coordinated and interoperable plans
- Awareness in politics and society
- Healthcare systems ability to detect, prevent, manage and respond
- Medical countermeasures (drugs, tests, vaccines, equipment (PPE))
- **Research**
 - **Fragmented infrastructure**
 - **Surge capacity plans**

What we need:

- Coordinated and interoperable trans-national plans
- *European research ecosystem*
 - Prioritised, active (ever-warm) national research sites and national and transnational networks
 - Surge capacity plans
 - ability to quick upscaling

Some EU initiatives on pandemic preparedness research



- CoMeCT – (2020) - 2023-2026
 - To strengthen Europe's clinical research preparedness and response to infectious disease outbreaks with epidemic potential by facilitating strategic and scientific coordination of adaptive platform trials (APTs) and cohort studies (CSs).



- European Vaccines Hub, EVH – 2025-2028
 - The European Vaccines Hub will foster an innovative and resilient ecosystem in support of timely and equitable access to effective vaccines to prevent pandemics.



- BeReady Now – Pandemic Partnership – (2022) - 2026-2032
 - To establish a European research and innovation ecosystem that is optimally prepared for future health crises caused by infectious diseases, that can respond to them swiftly and efficiently, and that is fully integrated in the wider European institutional Health Security framework.



European Partnership for
Pandemic Preparedness

Be Ready – 2022-2025

Be Ready Plus – 2025

Be Ready Now – 2026-2033



Funded by
the European Union

➤ **77 organisations and increasing**

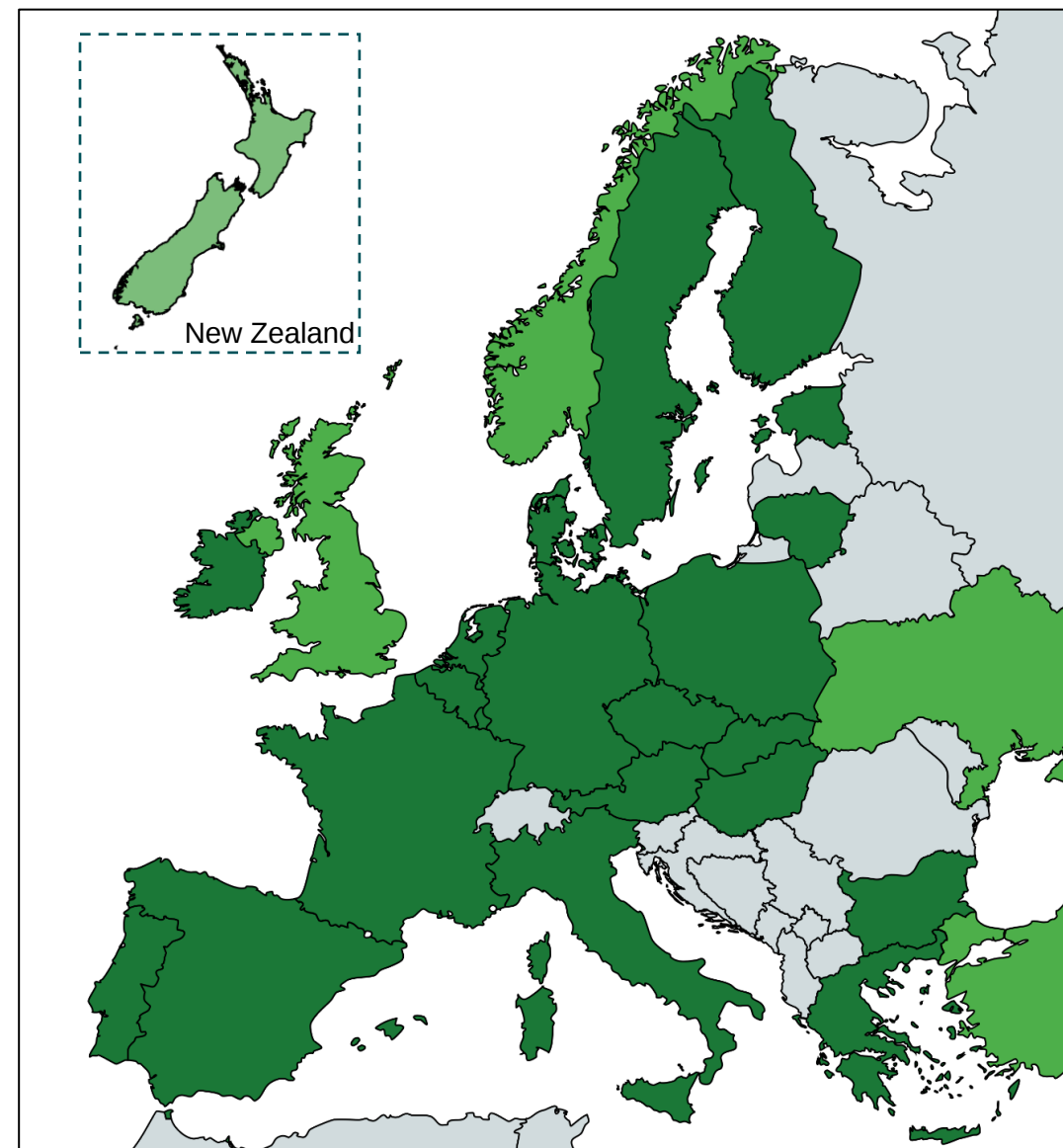
- **20/27 Member States of the EU**

*Austria, Belgium, Bulgaria, Czech Republic,
Denmark, Estonia, Finland, France, Germany,
Greece, Hungary, Ireland, Italy, Lithuania,
Luxembourg, Netherlands, Poland, Portugal,
Spain, Sweden*

- **5 Countries associated to Horizon Europe**

New Zealand, Norway, UK, Turkey, Ukraine

- **Open to new countries**



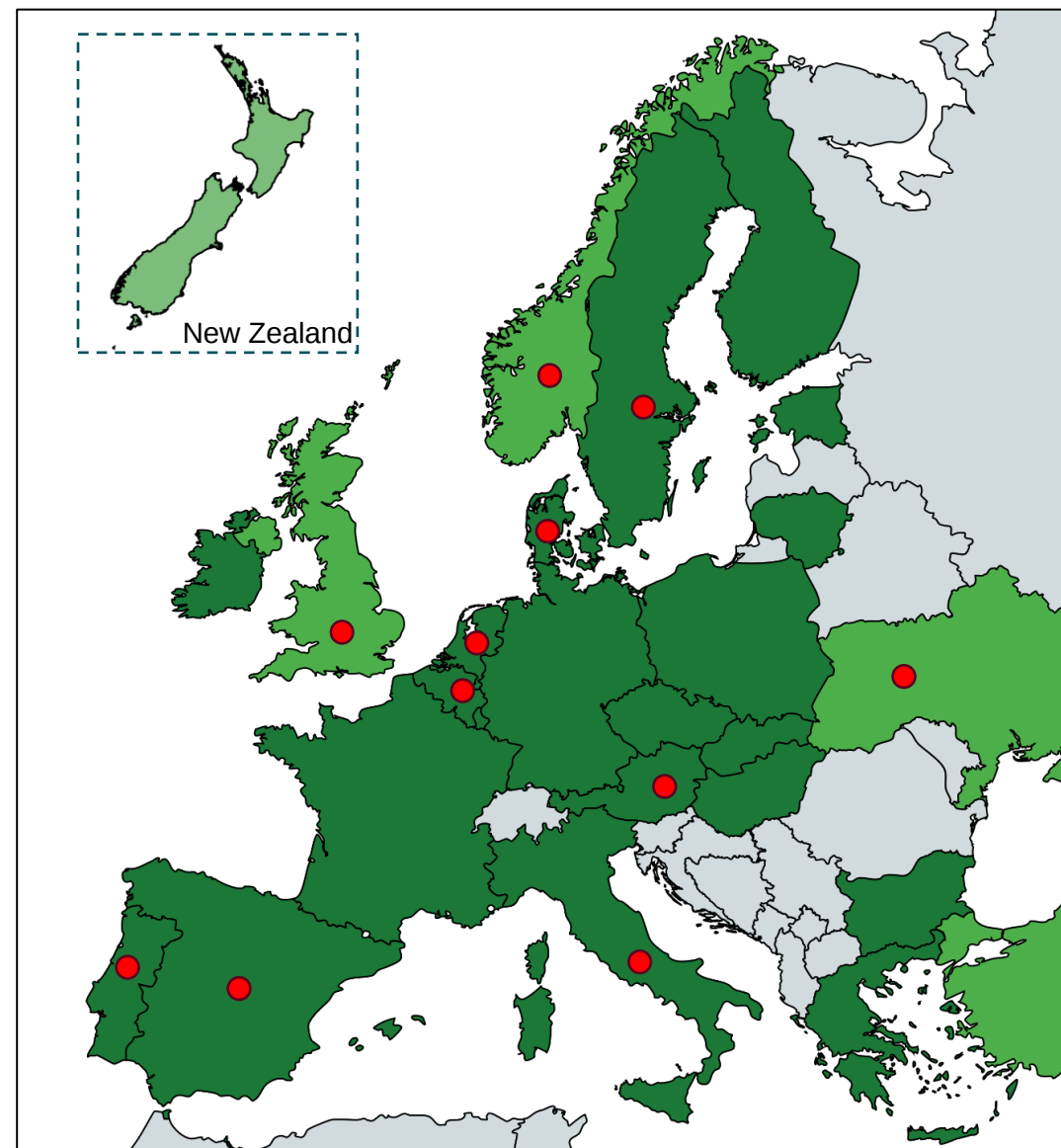
- NPHIs participating

Austria (AGES), Belgium (Sciensano), Denmark (SSI), Italy (ISS), Netherlands (RIVM), Portugal (INSA), Spain (ISCIII), Sweden (FoHM), Norway (NIPH), UK (UKHSA), Ukraine (PHCU)

Where are the others?

- Other organisations

Universities, National ministries and various agencies, Research councils, Research funds, Laboratories, Research networks etc.



Pillar 0 (ANRS MIE)

Management

WP 1 (ANRS MIE)
Coordination & Management

WP 2 (ANRS MIE + DLR)
Prepare the Annual Work Plan

WP 3 (ISCIH)
Monitoring & Evaluation

Pillar 1 (ANRS MIE)

SRIA research alignment

WP 4 (ANRS MIE)
Alignment of research priorities

WP 5 (ISCIH)
Synergies & Awareness

WP 6 (ANRS MIE)
Sustainability & exit strategy

Pillar 2 (DLR)

Joint transnational calls (JTC)

WP 7 (DLR + ANRS MIE)
Topic selection, preparation & management of JTCs

WP 8 (DLR)
Evaluation process and proposal selection

WP 9 (DLR)
Follow-up and monitoring of funded projects and funding activities

Pillar 3 (NIPH & ERINHA)

Research ecosystem readiness

WP 10 (ERINHA)
An ever-warm RI ecosystem for **basic and preclinical research** for pandemic preparedness and response

WP 11 (NIPH + ANRS MIE)
Public Health Research networks

WP 12 (ANRS MIE + NIPH)
EU-wide networks of ever-warm **clinical research** sites

Pillar 4 (AGES & HPI)

Transversal activities

WP 13 (AGES)
Capacity-building activities & knowledge-sharing

WP 14 (HPI)
Dissemination and Communication

WP 15 (ECRIN)
Ethics and Regulatory issues

WP 16 (VLO EWI)
Accelerating translation of Research into Innovation and Policies

WP 17 (Sciensano)
Enabling a health data ecosystem

WP 18 (AGES + HPI)
Integration of Social Sciences, Global Health, One Health, & Planetary Health

Objectives

Set up research networks in the field of public health (PH) and social sciences and humanities (SSH)

Four research networks identified

- The effectiveness (including negative consequences) of **public health and social measures (PHSM)**/ non-pharmaceutical interventions (NPI) and the development and adaptation of medical countermeasures. (*FHI - CEIR*)
- Effective **Infection Prevention and Control (IPC)** interventions. (*FHI*)
- Improved utilisation of information from **surveillance systems and other health registries**. (*Sciensano - BE*)
(a) operational epidemiological research, b) modelling and AI, c) and population cohorts' research)
- **Social sciences** related to health emergencies. (*RIVM - NL*)

**BE
READY**

Welcome to join,



members!

