



WHO Hub for Pandemic and Epidemic Intelligence

Better data. Better analytics. Better decisions.

July.2021

Global need for stronger pandemic & epidemic intelligence



... we need more meaningful cooperation during and in-between health emergencies; more transparency, more regular detailed exchange of real-time data and experiences at all levels, more reliability of interaction ...

Review Committee on the Functioning of the IHR, Executive Board Jan 2021

- Detect new events with pandemic potential
- Monitor disease control measures for pandemic and epidemic risk management
- Leverage innovations in data science for public health surveillance



We cannot continue to prepare for the last pandemic



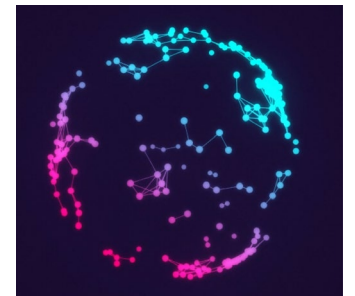
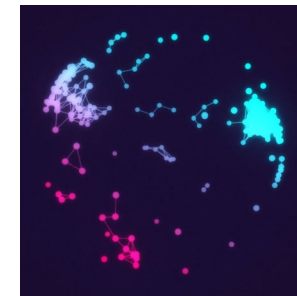
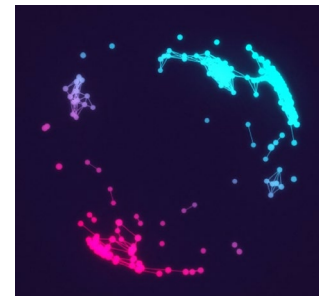
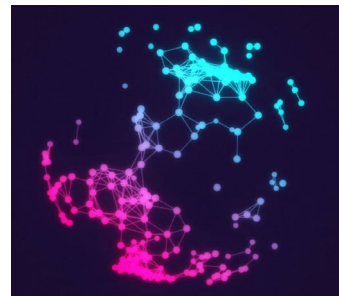
What the Hub is about

- » Embracing complexity.
- » Dealing with uncertainty.
- » Building learning systems.

“Complex systems are typically non-linear, changing at different rates depending on their states and their environment.”

Collaborative intelligence for preparedness

- » Collaborative approach **vs.** competitive approach
- » Collaborative methods development **vs.** centralizing expertise
- » Collaborative capacities **vs.** linear exchanges between actors
- » Collaborative adaptive systems **vs.** singular problem focus



Vision and Mission of the Hub for Pandemic and Epidemic Intelligence



Vision of WHO

Keep the world safe

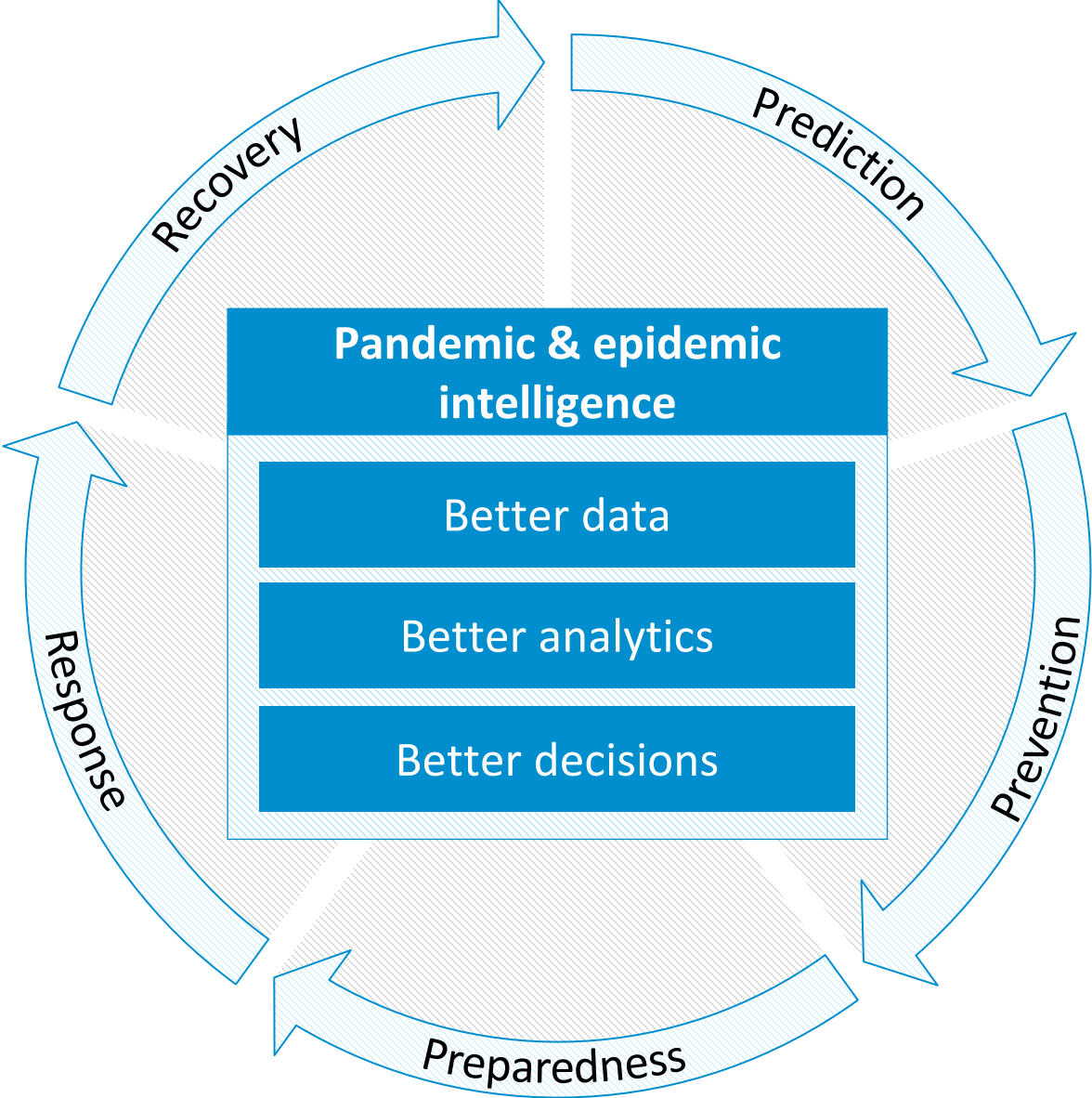
Mission of the WHO Hub [DRAFT]

To build a system of collaborative intelligence enabling better decisions to avert and manage pandemic & epidemic risks

Parameters of the WHO Hub

- As **part of WHO's Health Emergency Programme** supporting all aspects of emergency preparedness and response
- **Demand-driven** by the needs of Member States, partners, & WHO at all levels
- **Attracts global expertise** to add value to existing and new programmes of work
- Uses **flexible ways to structure capacity & expertise** including staff, consultants, fellows, secondments, in Berlin and globally
- Can rely on **predictable core funding** by Germany: 30 million EUR annually
- **Aspirational resources:** 150+ million EUR for the work of the Hub and its ecosystem

Pandemic and Epidemic Intelligence for Public Health





Accelerate, innovate, connect

» **Better Data:** EPI-BRAIN

- Semantic networks of distributed data
- Connections across many sectors and disciplines

» **Better Analytics:** Insights Initiative

- Collaborative and iterative exploration of data
- Connected analytical solutions

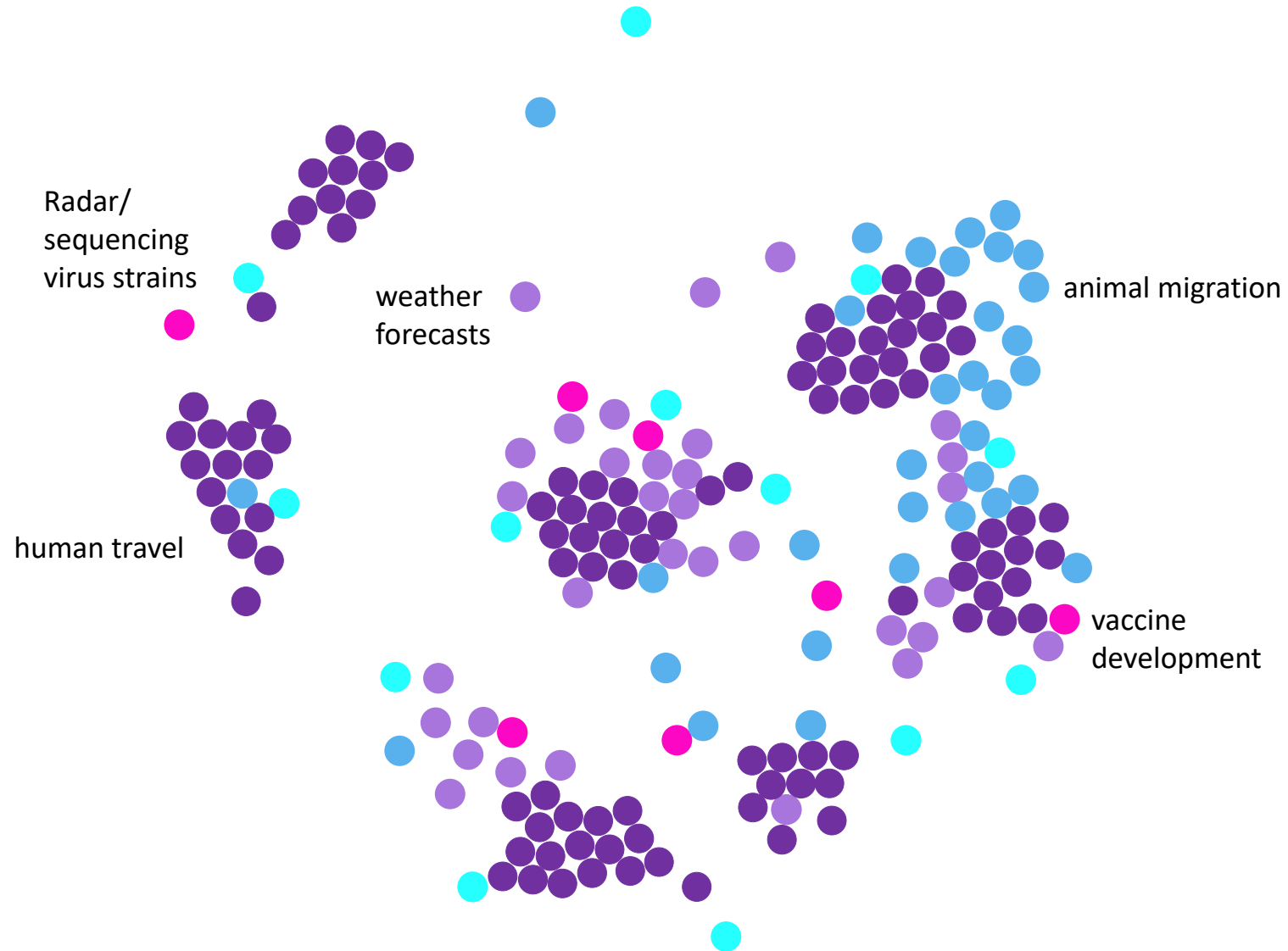
» **Better Decisions:** Implementation Accelerator

- Building a stronger global public health intelligence workforce
- Building multisectoral networks of decision makers & communities of practice

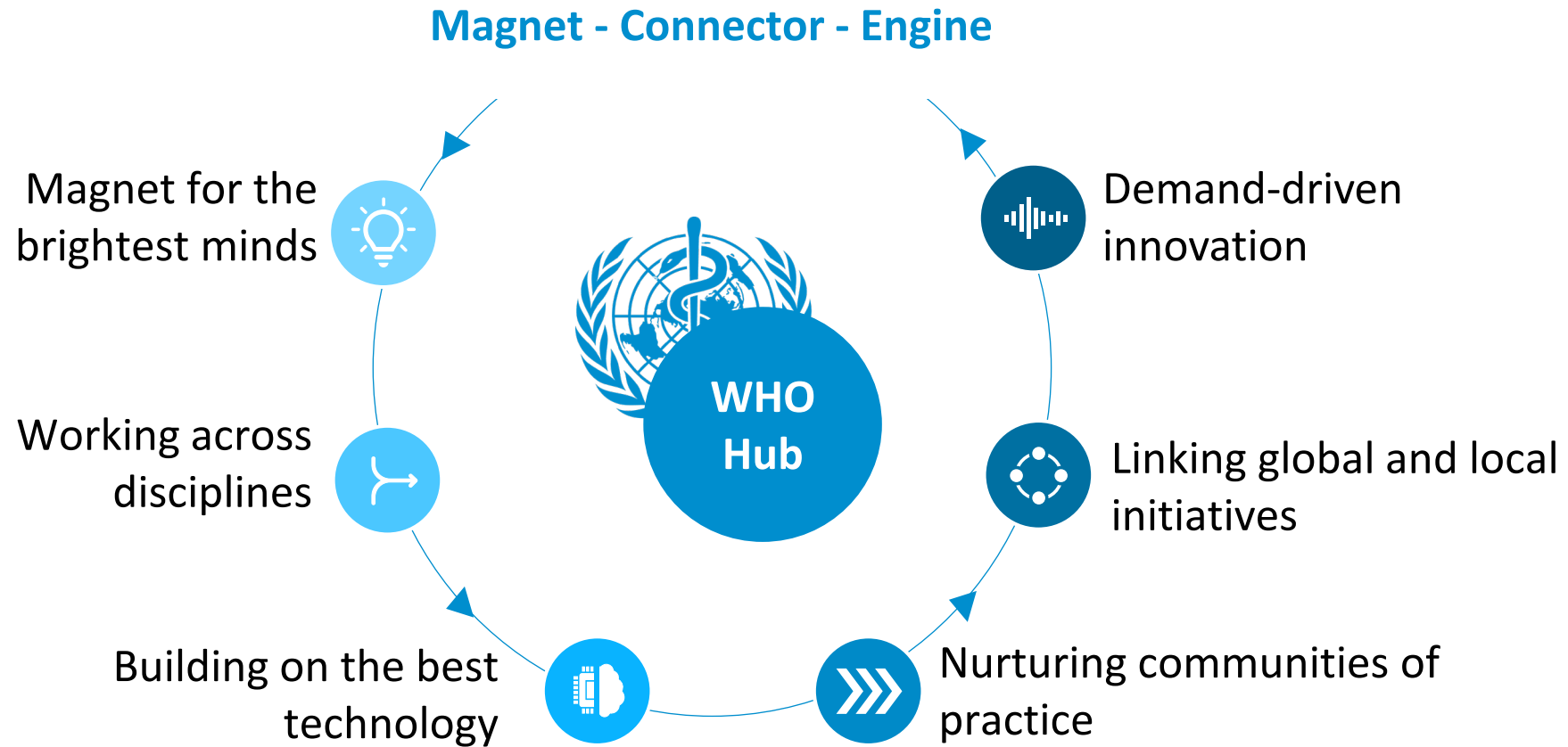
Underpinned by:

- Connecting institutions and networks to find solutions for the present and future
- Education and capacity building for public health intelligence

The WHO Hub embraces complexity and leverages solutions through multi-disciplinary collaborative intelligence



Create new global collaborative environment



Accelerate existing initiatives & attract innovations [Examples]

Accelerate

- Epidemic Intelligence from Open Sources (EIOS)
- Infodemic Management
- Infectious Disease Modelling Network
- Support One Health Intelligence efforts



Innovate

- » Bringing data together
 - Data source-landscaping & taxonomy
 - Linking health and non-health data
- » Working together globally
 - 100 global professorships
 - International & multidisciplinary collaborations

Global consultation process | Overview

- » Engagements with relevant stakeholders from all sectors and regions between June and August 2021
- » 340+ individuals and organizations reached in about 50 workshops, briefings and consultations

Regional consultation (<20 participants each)

- AFRO
- AMRO
- EMRO
- EURO
- SEARO
- WPRO (TBC)

Bilateral and other briefings

- UN Global Pulse
- ISARIC
- GIOPIDR
- ECDC
- Commissioner Gabriel
- KDCA amongst others

Multistakeholder engagements

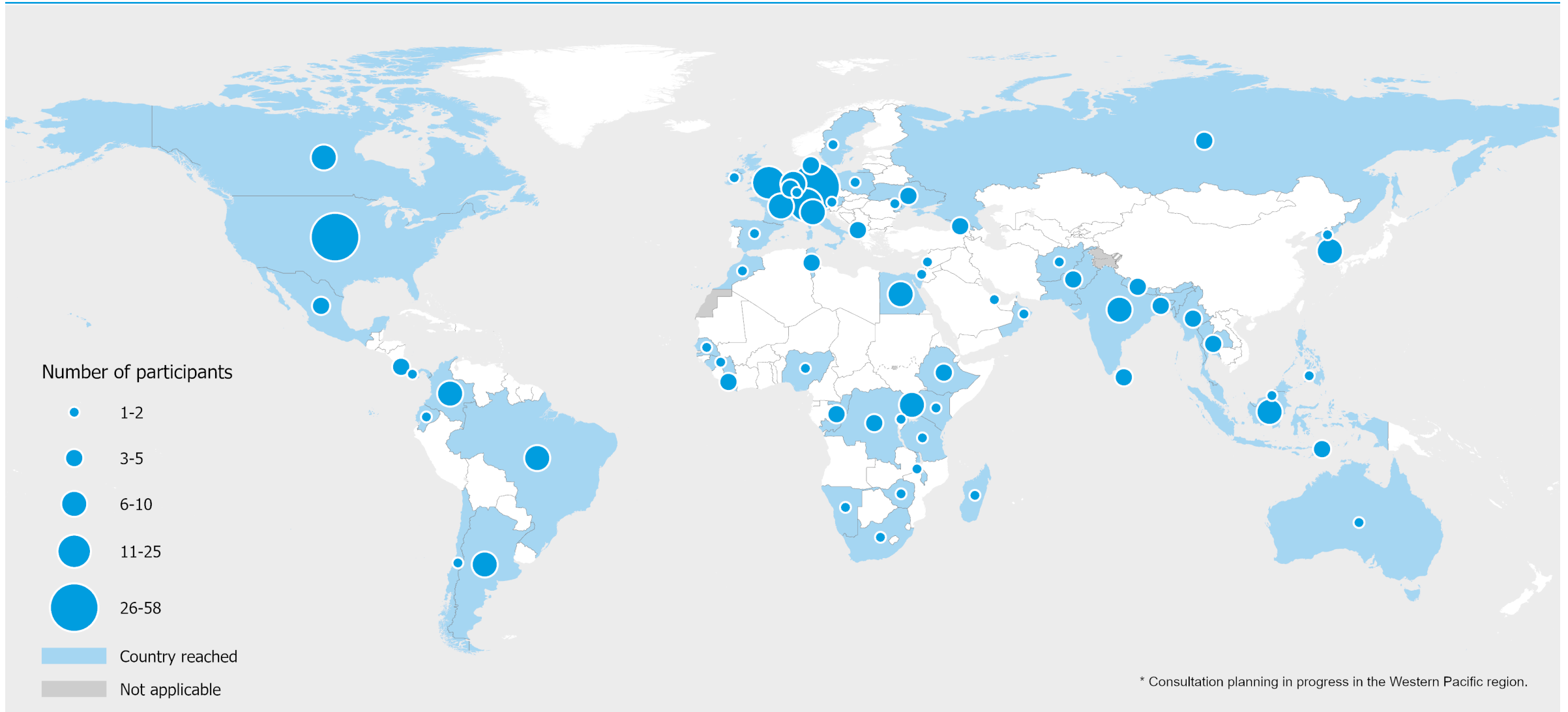
- Civil society group
- Private sector group
- EIOS community (2x)
- Epidemic Modelling Group
- UN CMT
- IANPHI

Exploration of local ecosystem in Berlin

- ~20 bilateral briefings
- 4 multistakeholder workshops (2x “Better Data and Better Analytics”, “One Health”, “Interdisciplinary Health Research”)

WHO Hub: Global scope of consultations

(as of 11/08/2021)



The designations employed and the presentation of the material in this publication do not imply the expression of any opinion whatsoever on the part of WHO concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries. Dotted and dashed lines on maps represent approximate border lines for which there may not yet be full agreement.

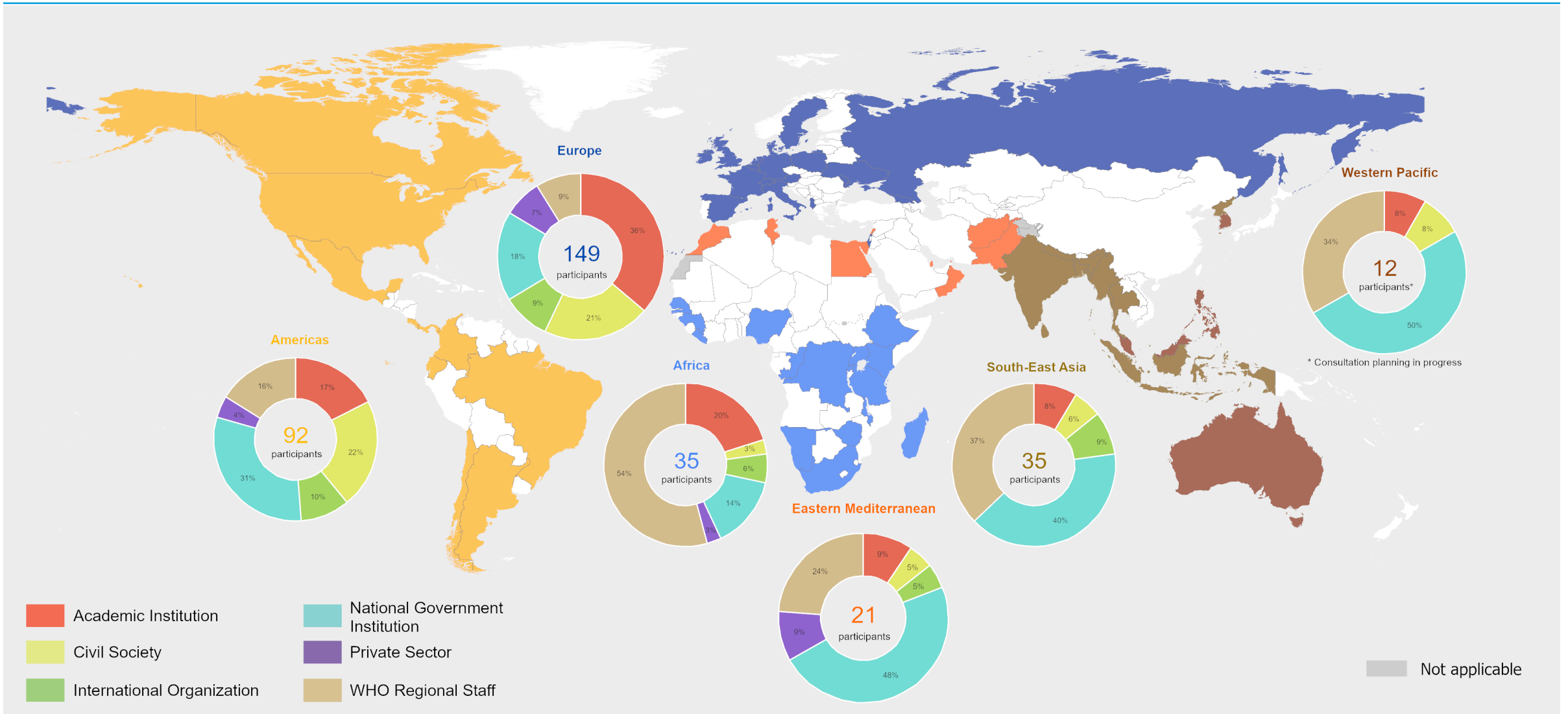
Data Source: World Health Organization, CPC Analytics
Map Production: WHO Health Emergencies Programme
Request ID: RITM00057



© WHO 2021, All rights reserved.

WHO Hub: Global scope of consultations per sector

(as of 11/08/2021)



The designations employed and the presentation of the material in this publication do not imply the expression of any opinion whatsoever on the part of WHO concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries. Dotted and dashed lines on maps represent approximate border lines for which there may not yet be full agreement.

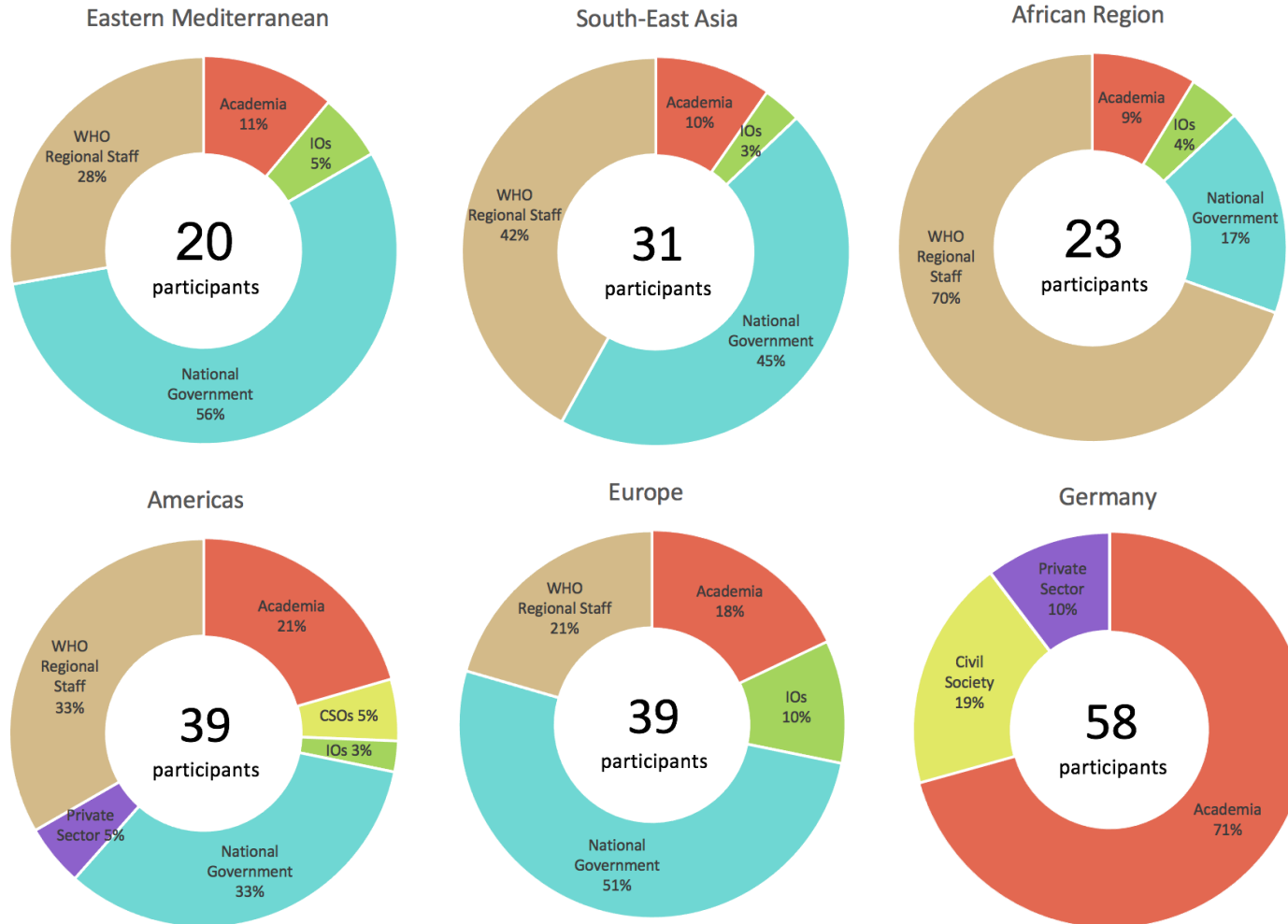
Data Source: World Health Organization, CPC Analytics
 Map Production: WHO Health Emergencies Programme
 Request ID: RITM00057



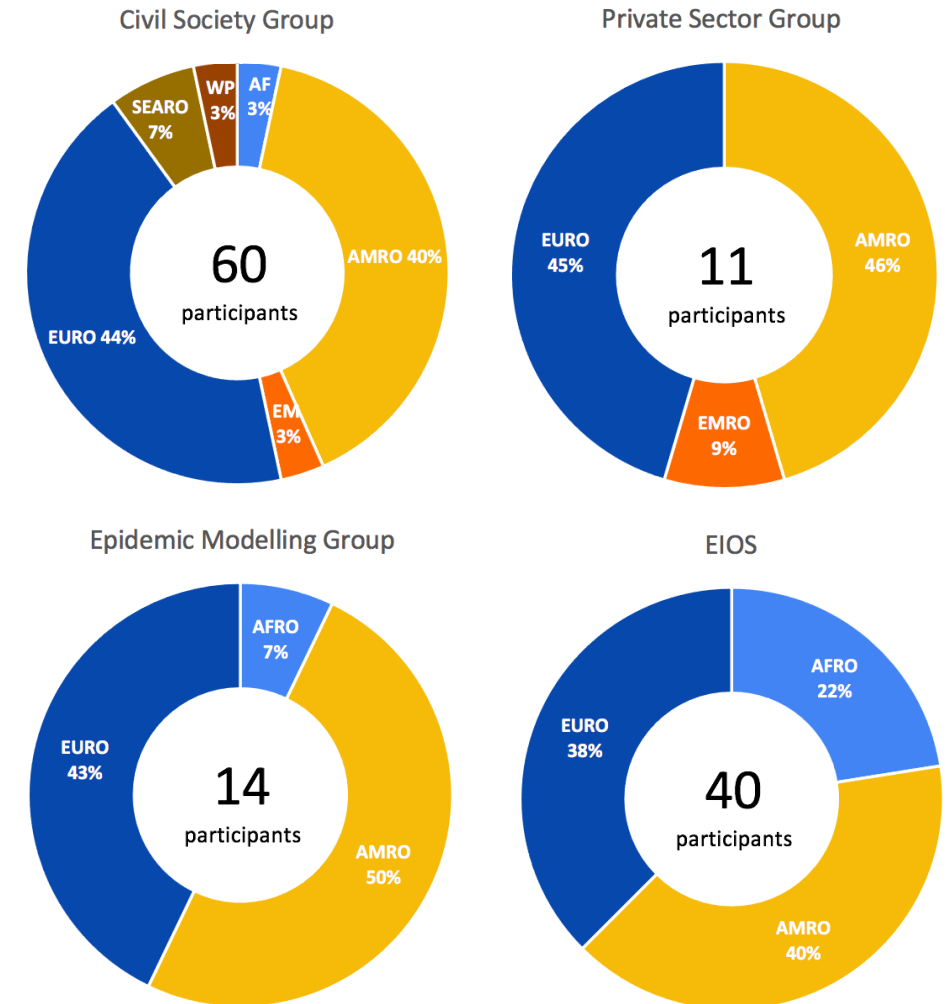
© WHO 2021, All rights reserved.

Overall participation per outreach session

REGIONAL CONSULTATION SESSIONS



MULTISTAKEHOLDER ENGAGEMENTS



Inauguration, 1 September 2021





Thank you