



# WHO Hub for Pandemic and Epidemic Intelligence

Better data. Better analytics. Better decisions.

Background presentation | 03.05.2021

# Global need for stronger pandemic & epidemic intelligence

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



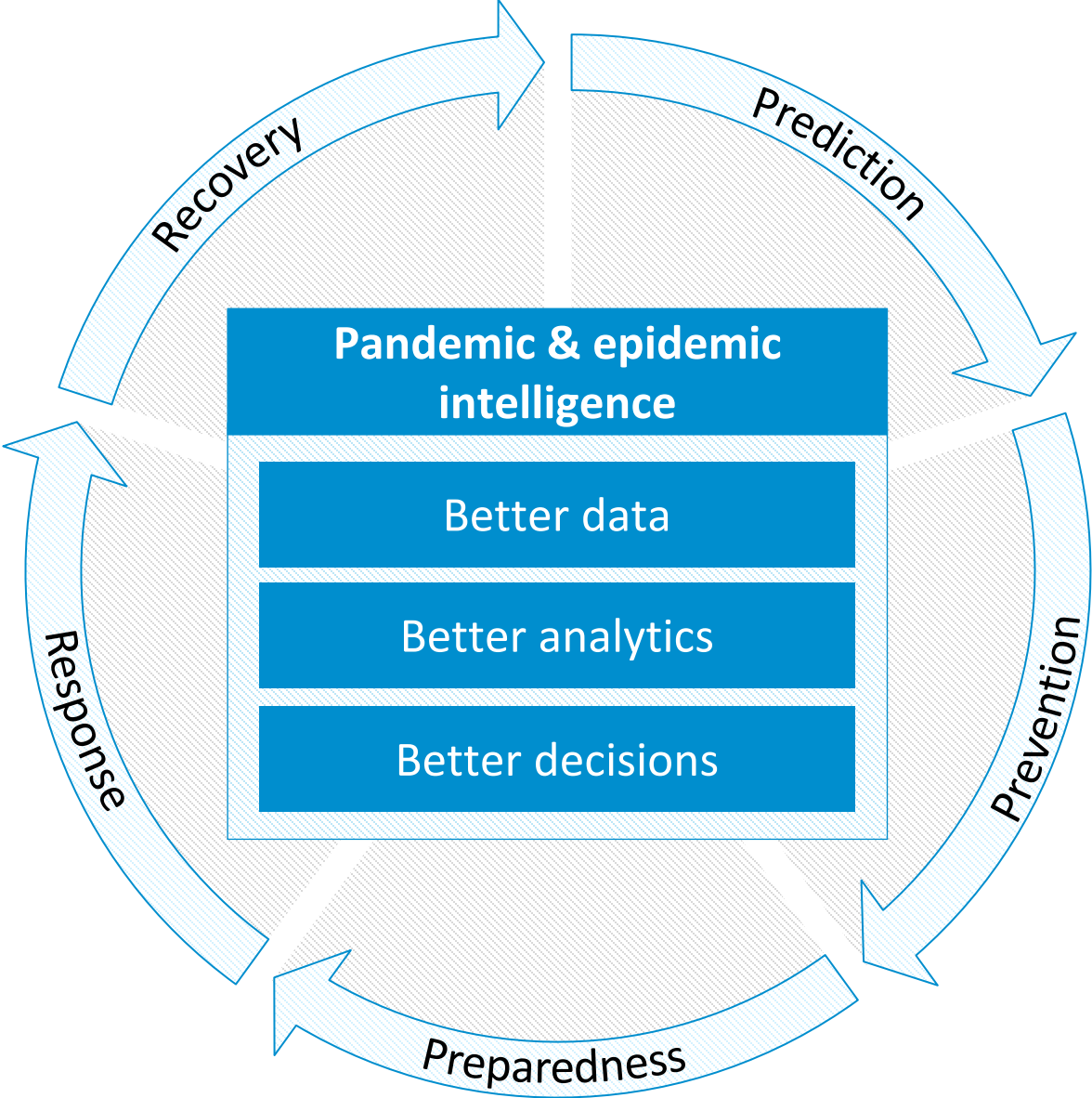
Source: WHO



... 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

# Managing pandemic risk



# What the Hub will do



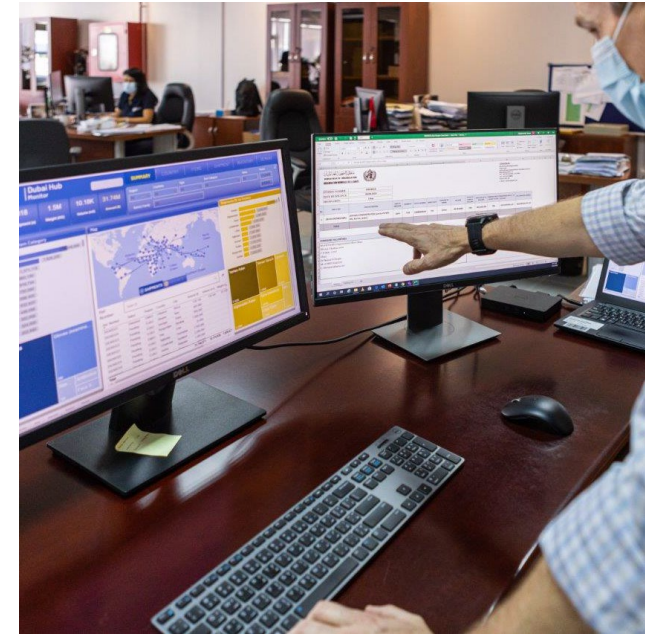
Increase availability & linkage of diverse data



Develop tools & predictive models for risk analysis



Monitor disease control measures & infodemics



# How the Hub will work



Increase availability & linkage of diverse data



Develop tools & predictive models for risk analysis



Monitor disease control measures & infodemics

As part of WHE work with Member States and partners

Accelerate existing initiatives and attract innovations

Strengthen technology foundations and data frameworks

Create new global collaborative environment



# Work with Member States and partners



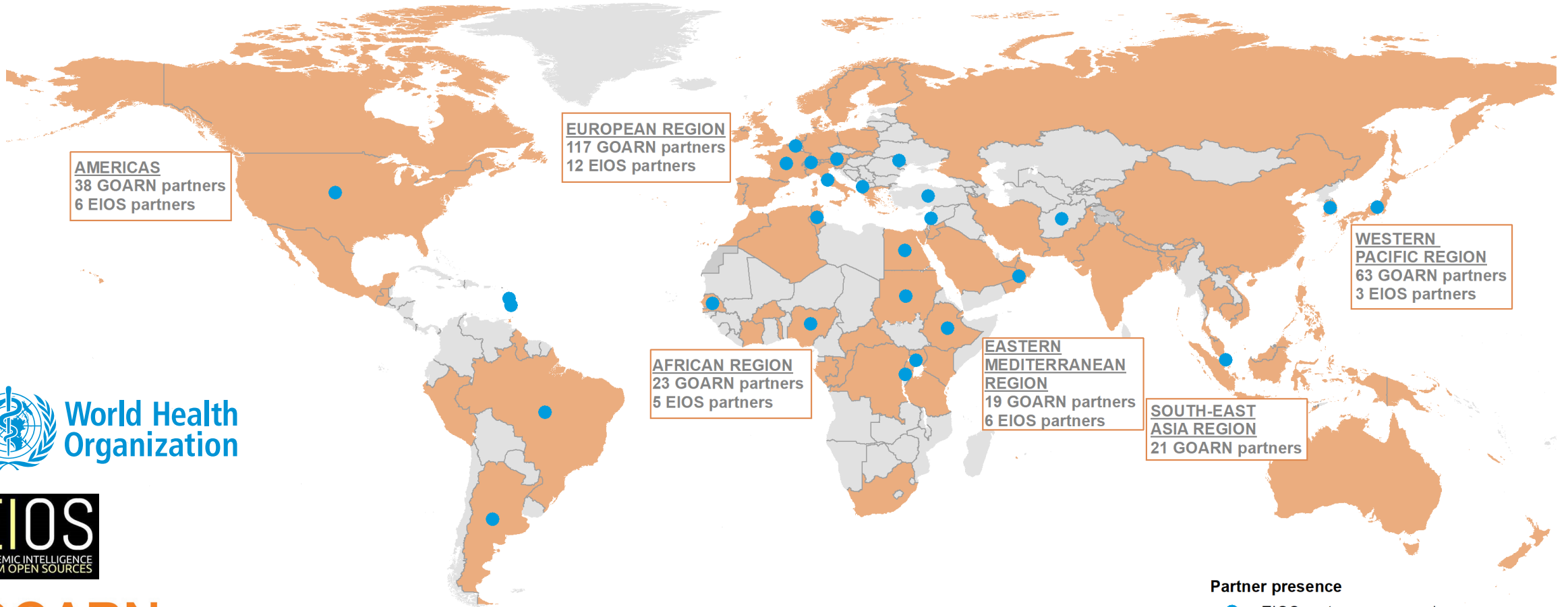
Increase availability & linkage of diverse data



Develop tools & predictive models for risk analysis



Monitor disease control measures & infodemics



Global Outbreak Alert and Response Network

### Partner presence

- EIOS partner presence \*
- GOARN partner presence

\*Dots are located at the centroid of the country, area or territory

# Accelerate existing initiatives & attract innovations



Increase availability & linkage of diverse data



Develop tools & predictive models for risk analysis



Monitor disease control measures & infodemics

## 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



# Strengthen technology foundations & data frameworks



Increase availability & linkage of diverse data



Develop tools & predictive models for risk analysis



Monitor disease control measures & infodemics



**Data**

Develop federated data models and taxonomy



**Analytics**

Innovation in forecasting & modelling



**Decisions**

Timely insights for action



# Create new global collaborative environment



Increase availability & linkage of diverse data

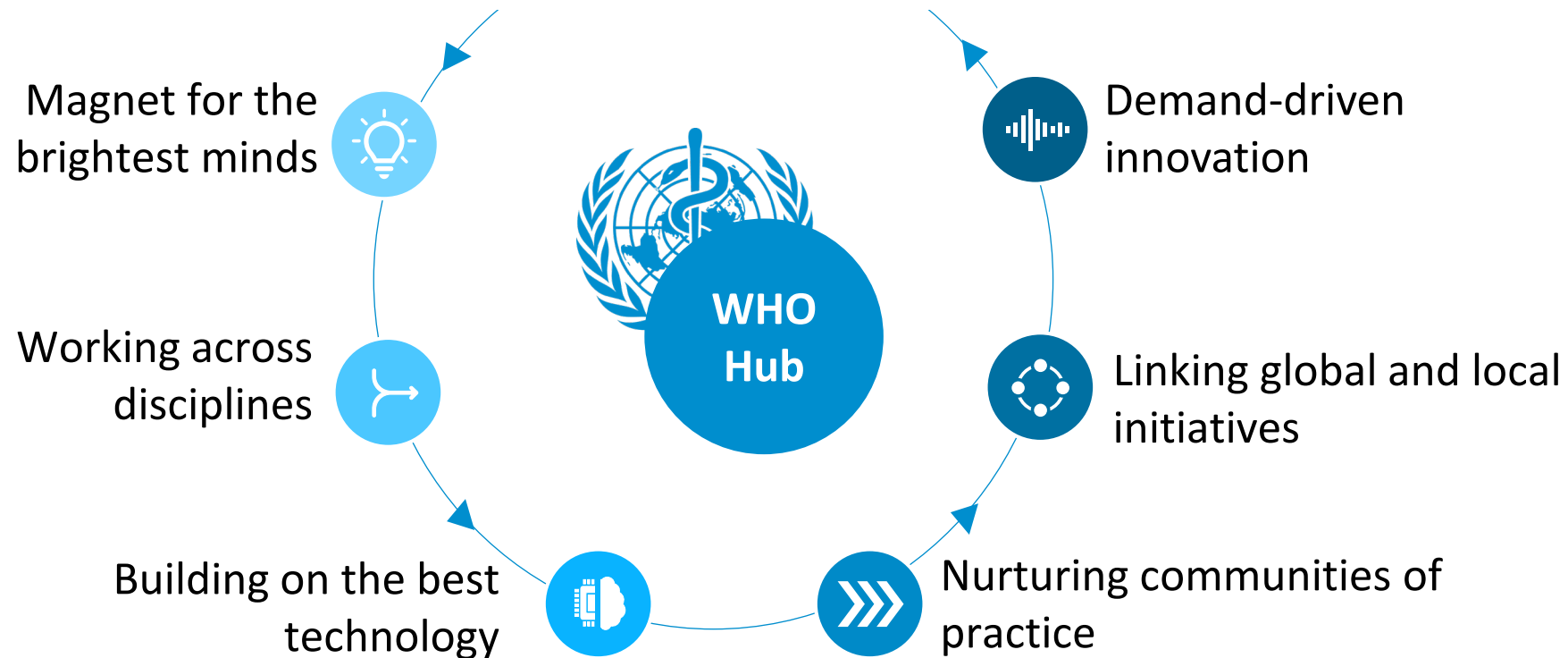


Develop tools & predictive models for risk analysis



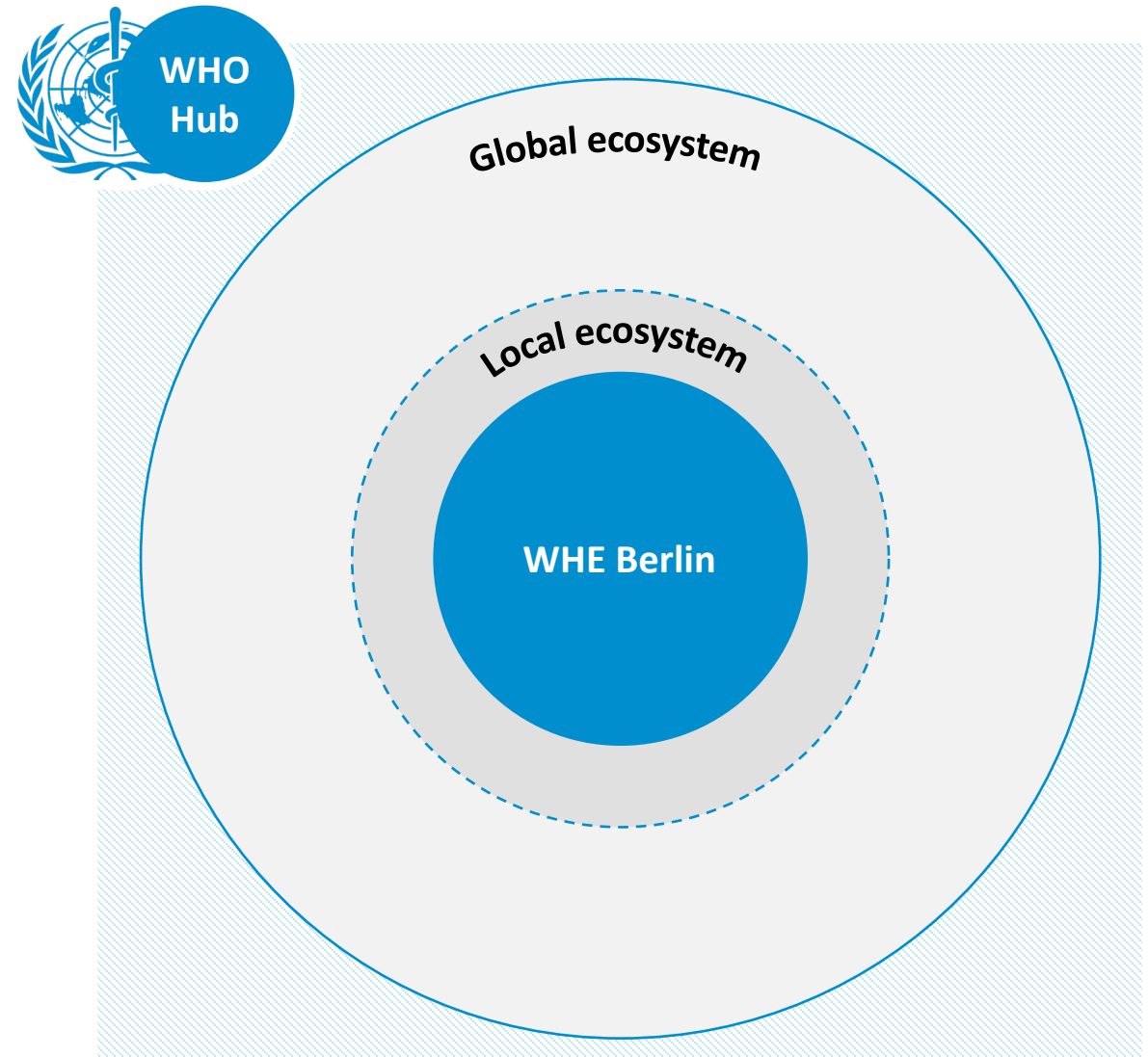
Monitor disease control measures & infodemics

## Magnet - Connector - Engine



# Establishing the WHO Hub in Berlin

- » Accelerate WHE activities in pandemic and epidemic intelligence
- » Create an agile innovation environment
- » Working with Member States
- » Attract new global partnerships and arrangements



# Parameters of the WHO Hub

- As **part of WHE** supporting all aspects of emergency preparedness and response
- **Demand-driven** by the needs of Member States & 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



**Thank you**