



World Health  
Organization

# WHO BioHub System

## Member States Briefing

3<sup>rd</sup> March 2022



# WHO is working in accordance with WHA 74.7

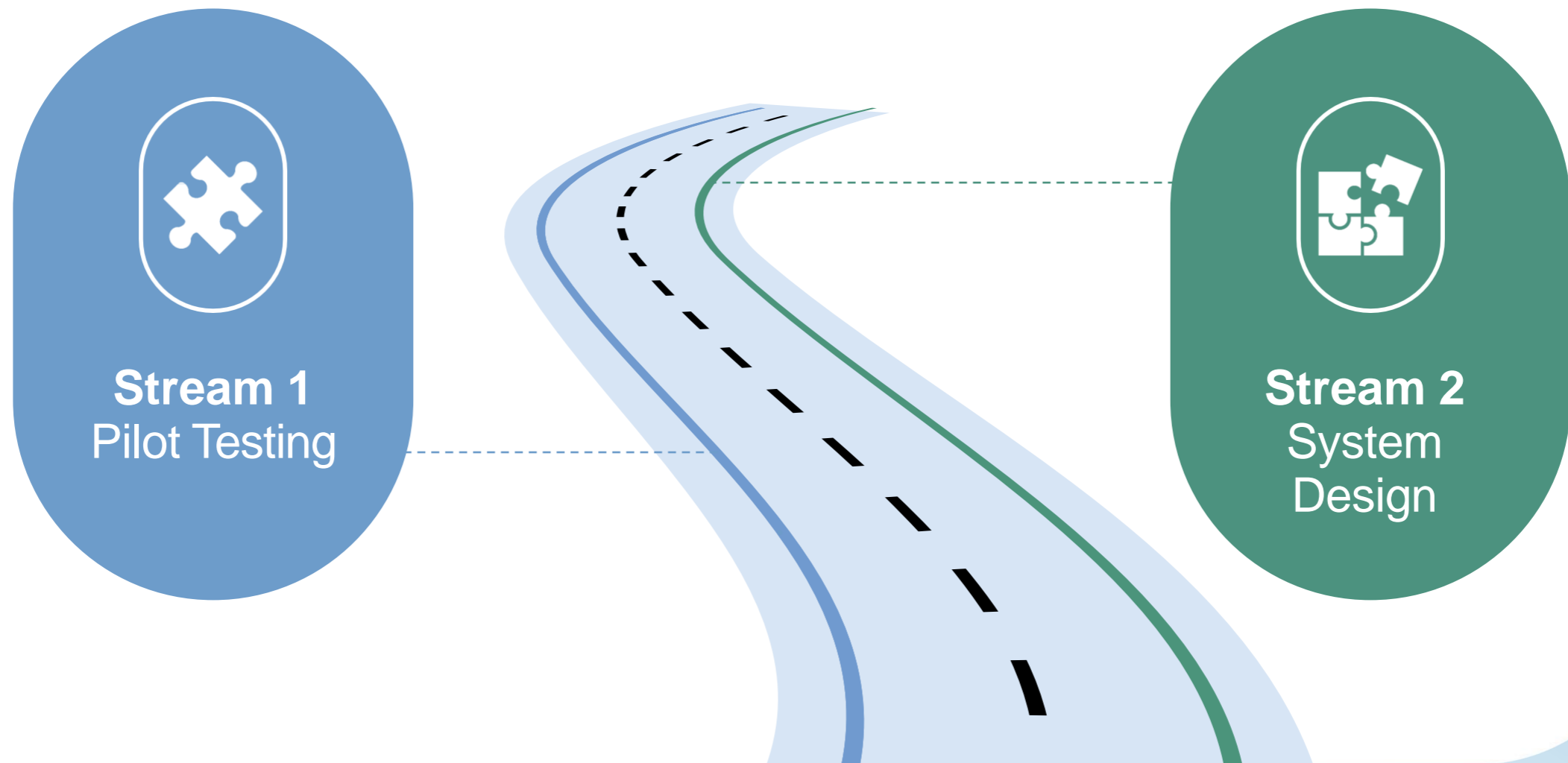


WHO / Antoine Tardy

## *Paragraph 9.15:*

- *work together with Member States, the medical and scientific community, and laboratory and surveillance networks,*
- *to promote early, safe, transparent and rapid sharing of samples and genetic sequence data of pathogens of pandemic and epidemic, or other high-risk, potential,*
- *taking into account relevant national and international laws, regulations, obligations and frameworks, including, as appropriate, the International Health Regulations (2005), the Convention on Biological Diversity and the Nagoya Protocol on Access to Genetic Resources and the Fair and Equitable Sharing of Benefits Arising from their Utilization and the Pandemic Influenza Preparedness Framework and*
- *the importance of ensuring rapid access to human pathogens for public health preparedness and response purposes;”.*

# Approach to developing the WHO BioHub System



**WHO BioHub System**




# Stream 1 pilot-testing update

\* MS that inputted in the Standard Material Transfer Agreements 1 and 2 for non-commercial sharing

## Pilot-testing countries:



## Current variants available in the WHO BioHub Facility:

Provider Member State	Variant
 Luxembourg	Alpha, Beta, Gamma, Delta
 South Africa	Omicron
 UK	Omicron



# Stream 1 pilot-testing update



**Omicron first reported to WHO from South Africa** Day 0  
Wednesday - 24 November 2021

**WHO is notified by SA about intention to send BMEPP through the BioHub**  
Monday - 29 November 2021

**WHO BioHub SMTA related materials signed**  
Saturday 4 December 2021

**Booking form received from Provider**  
Monday and Tuesday - 6,7 December 2021

**Courier pick up from Provider**  
Wednesday and Thursday – 8 & 9 December 2021

**BMEPP arrival in WHO BioHub Facility**  
Thursday and Friday – 9 & 10 December 2021

Day 5

Day 10

Day 12-13

Day 14-15

Day 15-16

5 working days

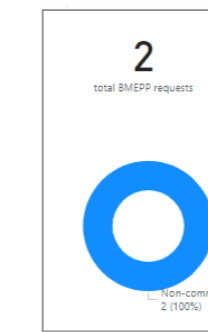
1-2 working days

2 working days

1 working day



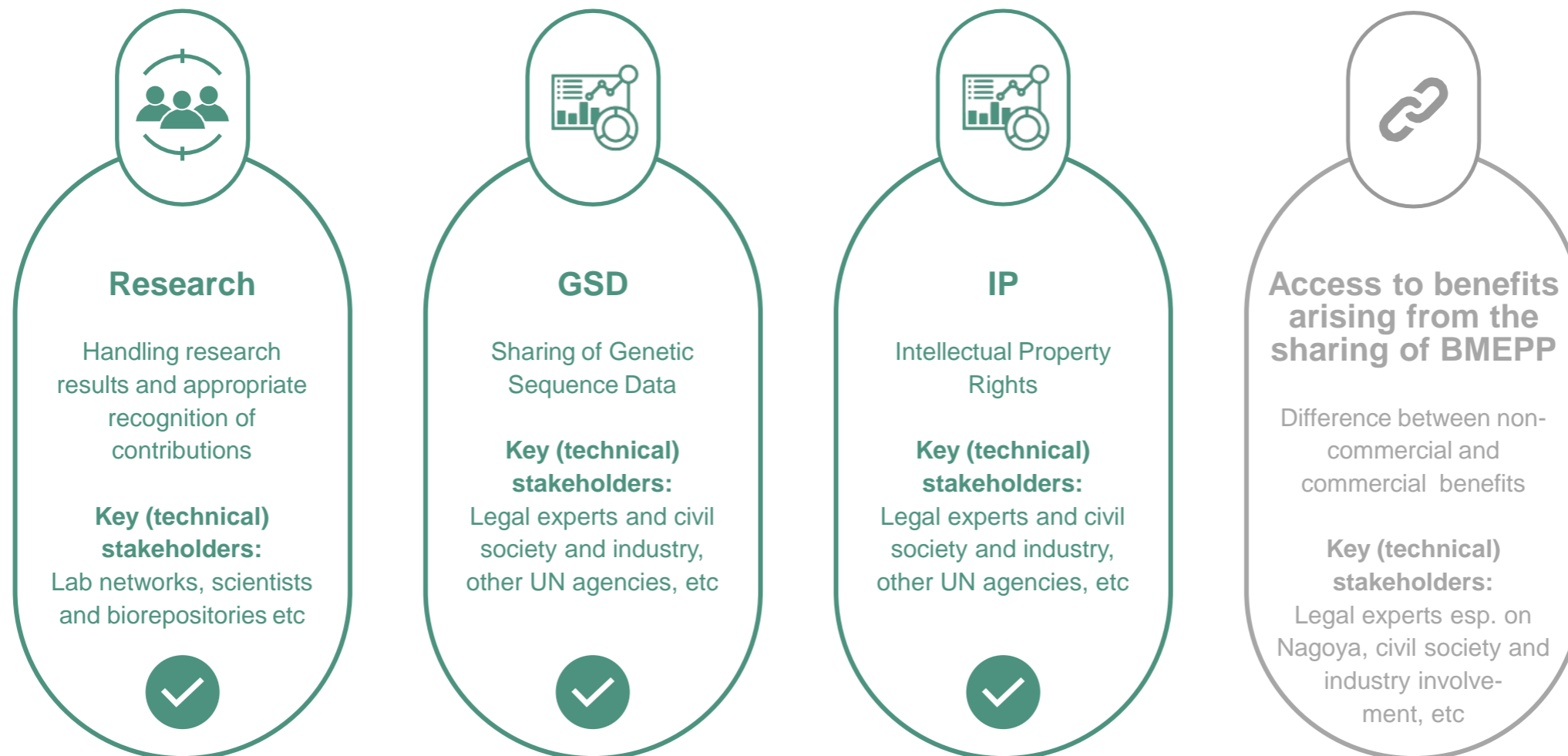
Status	Shipment ref. number	Provider laboratory	BMEPP usage	Category	Temp.	SMTA Annex2 signed on	Date of request	Courier request	Materials departing	Materials arriving
Completed	211474078CL	Laboratoire national de santé	Non-commercial	B UN3373	-80°C	12/4/2021	12/4/2021	12/5/2021	12/7/2021	12/8/2021
Completed	211476740CL	National Institute for Communicable Diseases	Non-commercial	B UN3373	-80°C	12/4/2021	12/6/2021	12/7/2021	12/8/2021	12/9/2021
Completed	211477689CL	National Institute for Communicable Diseases	Non-commercial	A UN2814	-80°C	12/4/2021	12/7/2021	12/7/2021	12/8/2021	12/10/2021
Completed	211495743CL	UK Health Security Agency	Non-commercial	A UN2814	-80°C	12/14/2021	12/10/2021	12/17/2021	1/10/2022	1/12/2022



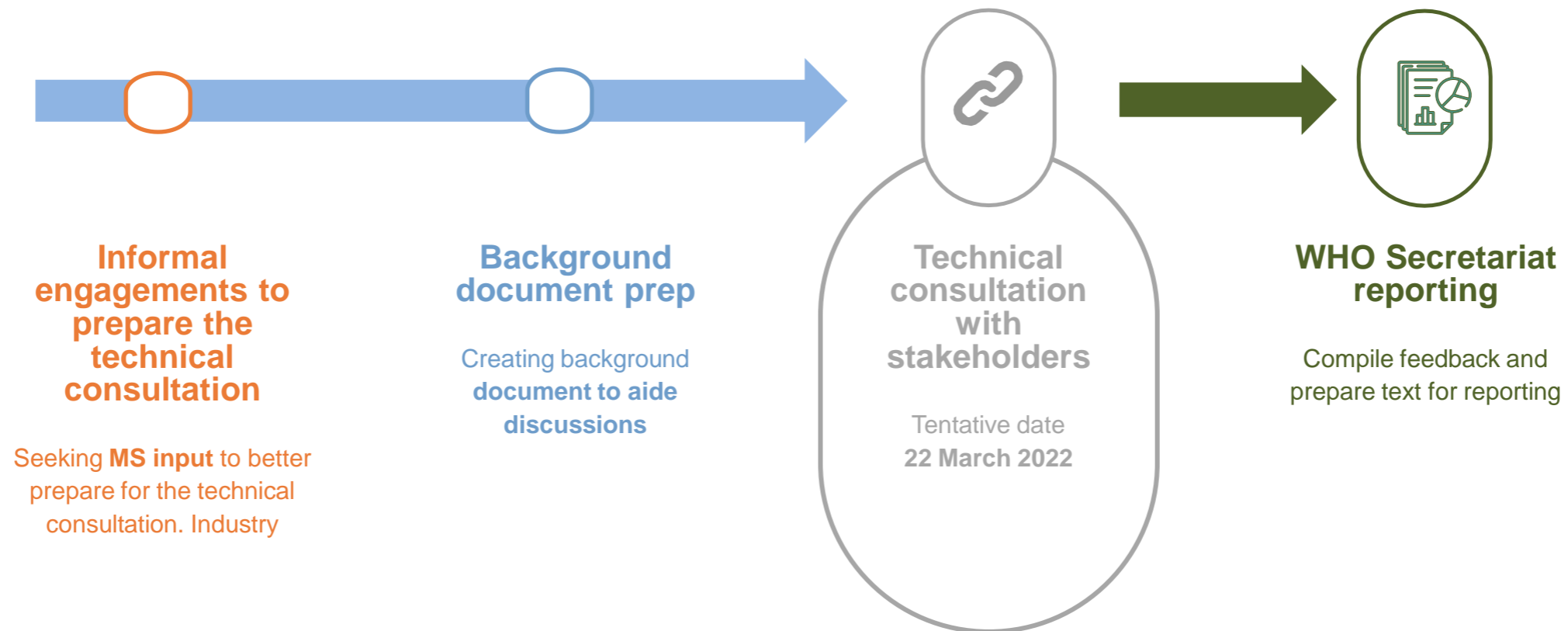
Status	Shipment ref. number	QE laboratory	BMEPP usage	Category	Temp.	SMTA Annex2 signed on	Date of request	Courier request	Materials departing	Materials arriving
Completed	211506964CL	Laboratoire national de santé	Non-commercial	A UN2814	-80°C	12/22/2021	12/20/2021	12/22/2021	12/23/2021	12/23/2021
Completed	221028693CL	Instituto de Medicina Molecular	Non-commercial	A UN2814	-80°C	1/13/2022	1/14/2022	1/24/2022	1/25/2022	1/31/2022

**Average total days from request to delivery was 8.75 days**

# Stream 2 – updates on technical consultations with stakeholders



# Upcoming technical consultation on ABS



# Aim and questions to explore related to the technical consultation

**Technical consultation aim:** to line up key considerations that could inform further discussions on the design of the WHO BioHub System.

For the purpose of the consultation, MS may want to consider the following questions:

1. What do you consider to be the most important benefits the WHO BioHub System should deliver and to whom?
2. What are the benefits that your stakeholder group would find most difficult to provide, if you were to participate in the System?
3. What are potential access and benefit sharing arrangements for the WHO BioHub System that would advance public health goals in an epidemic or pandemic situation?





# Thank you!

<https://www.who.int/initiatives/who-biohub/>

WHO Secretariat can be reached for any further inputs at:  
[biohub@who.int](mailto:biohub@who.int)