

WHO Science Council
Accelerating access to genomic technologies for global health

Workshop 2: Technical and financial aspects

Thursday, 18 November 2021, 13:30 – 17:30 CET

Objectives:

- To gather information about the technical and financial concerns related to the use of genomic technologies, especially in low- and middle-income countries (LMICs)
- To discuss challenges in implementation, and to propose possible solutions
- To gain perspective on approaches and lessons learned from real world implementation and use, especially in LMICs
- To engage communities of experts and stakeholders in developing recommendations based on understanding diverse needs, applications, and prospective benefits in LMICs

Key Questions:

Workshop #2 will focus on understanding and overcoming technical and economic issues related to the implementation of genomics.

- How can LMICs initiate and expand use of genomics technologies?
- What are the requirements for implementation, including funding, technical expertise, acquisition of equipment and reagents, access to digital resources and analytic methods, etc.?
- What are the mechanisms successfully used and lessons learned from LMICs that have already implemented and expanded genomics technologies?

	Welcome
13:30-13:35	Opening remarks- Soumya Swaminathan and Harold Varmus
13:35 – 15:30	Session 1: Requirements for implementation of genomics technologies Moderator: Yongyuth Yuthavong
	Key findings from Workshop #1 and review of technologies- Salim Abdool Karim
	Use of genomic technologies in LMICs: Present and future <ul style="list-style-type: none"> • Perspective from India- Partha Majumder • Perspective from China- George Gao
	Requirements for implementation <ul style="list-style-type: none"> • Establishing genomics in LMICs- Charles Rotimi • Needs assessment- Vajra Dissanayake • Education and training for personnel- Dhavendra Kumar • Equipment and sequencing in LMICs- Christian Happi • Pipelines, infrastructure, and capacity building- Amadou Sall • Financing- Anita Suresh • Industry
	Discussion
	Break
15:35-17:30	Session 2: Case studies Moderator: Adeeba Kamarulzaman
	Genomic Initiatives by country, including mechanisms to implement and fund <ul style="list-style-type: none"> • Brazil- Iscia Cendes Lopez • South Africa- Nicola Mulder • UAE- Ahmad Abou Tayoun • Lebanon- Soha Yazbek • Thailand- Prasit Palittapongarnpim • Indonesia- Herawati Sudoyo • Taiwan- Pui-Yan Kwok
	Discussion