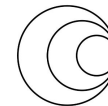


Day 1: Capacity Development Overview



Course roadmap

Sun 7 May
Introduction Day



Mon 8 May
**Day 1
Capacity Building**



Tue 9 May
Day 2
**Specimen and
Sequencing**



Wed 10 May
Day 3
**Data Tools and
Pipelines**



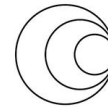
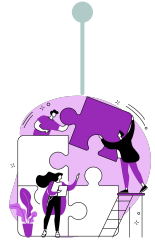
Thu 11 May
Day 4
**Frameworks,
Guidelines, and
Decision-making**



Fri 12 May
Day 5
**Projects Review and
Action Planning**



**Next steps and
Beyond**



**wellcome
connecting
science**



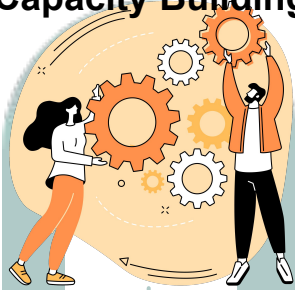
**COVID-19
GENOMICS
GLOBAL TRAINING**

Course roadmap

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Day 1

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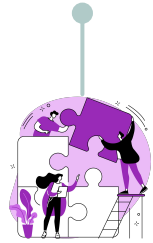
Thu 11 May
Day 4
Frameworks,
Guidelines, and
Decision-making



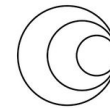
Fri 12 May
Day 5
Projects Review and
Action Planning



Next steps and
Beyond



Introduction
Overview of basic concepts
Case studies



wellcome
connecting
science

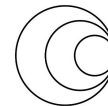


COVID-19
GENOMICS
GLOBAL TRAINING

Day overview

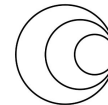
- Morning
 - Developing capacity for pathogen genomics
 - Practical approaches - specimen, genomics and data infrastructure
 - Practical approaches - Translation of genomics into public health interventions
 - Challenges and opportunities - Group action planning

- Afternoon
 - Design genomics training I - Training design elements
 - Establishing needs for pathogen genomics skills development



Day 1 Session 1: Developing capacity for pathogen genomics

Alice Matimba



wellcome
connecting
science

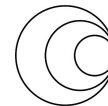


COVID-19
GENOMICS
GLOBAL TRAINING

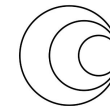
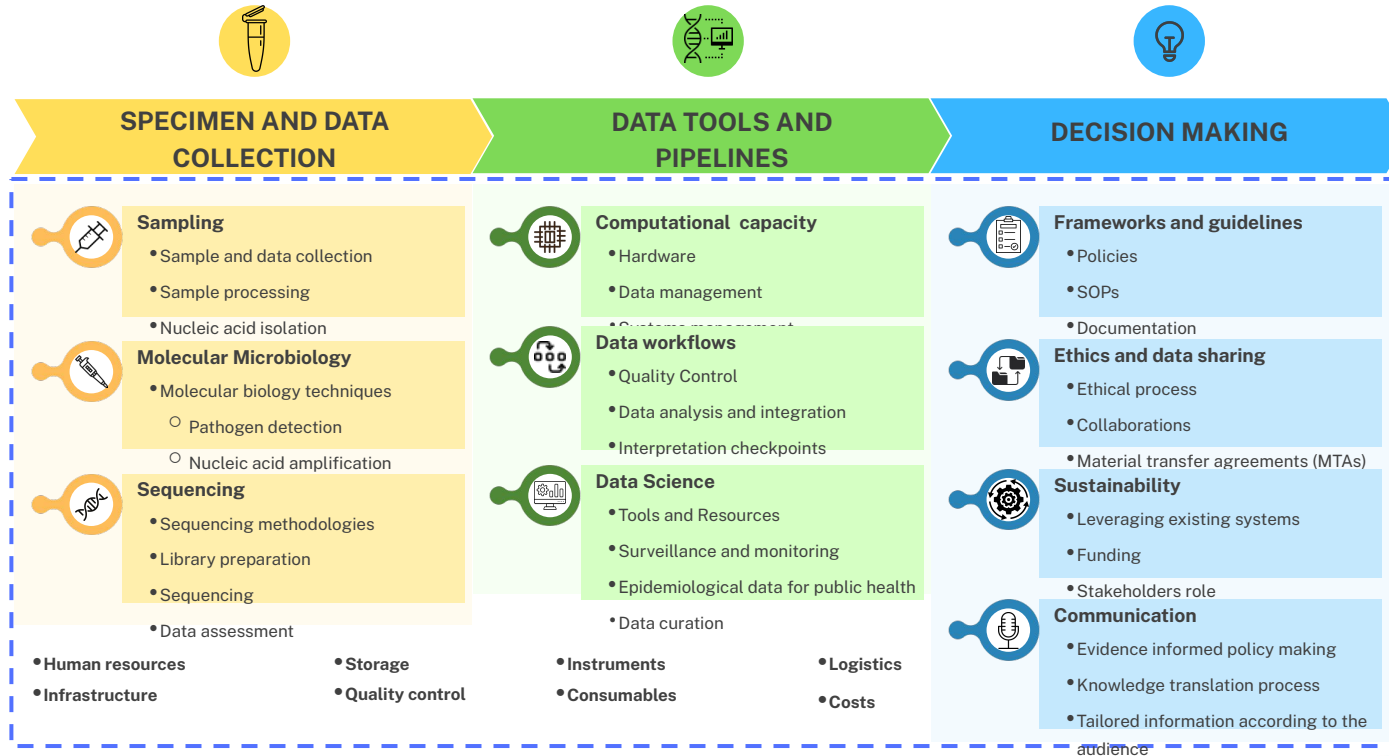
Session outcomes

At the end of this session attendees will be able to

- Outline the capacity development pathway of pathogen genomics from sample to decision-making
- Outline the key elements of designing capacity building in the context of pathogen genomics

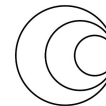


Sample to decision-making pathway



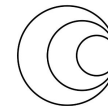
What is Capacity building

- Capacity building refers to the process of reinforcement and/or development of skills, knowledge and infrastructure in a specific field in order to address an identified gap or need
- The establishment, development and implementation of human capital, finance and infrastructure, with needs assessment, monitoring and evaluation for implementation in a sustainable way
- Capacity building is the process of improving and/or adding knowledge, skill and resources to an individual or organisation through workshops, trainings, collaborations to ensure they are empowered and confident to carry out their scope of work
- Empowering someone with the necessary knowledge, skills and attitude in performing and improving a defined set of objectives, that encompass institutional, and human workforce capabilities in a sustainable manner



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 - **Empowering** someone with the **necessary knowledge, skills and attitude** in performing and improving a defined set of objectives, that encompass **institutional, and human workforce capabilities in a sustainable manner**
- **Purpose – goal**
 - **Object – area of need**
 - **How – objectives**
 - **Process – implementation**
 - **Context – Environment & Culture**

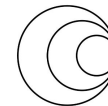


Capacity development cycle

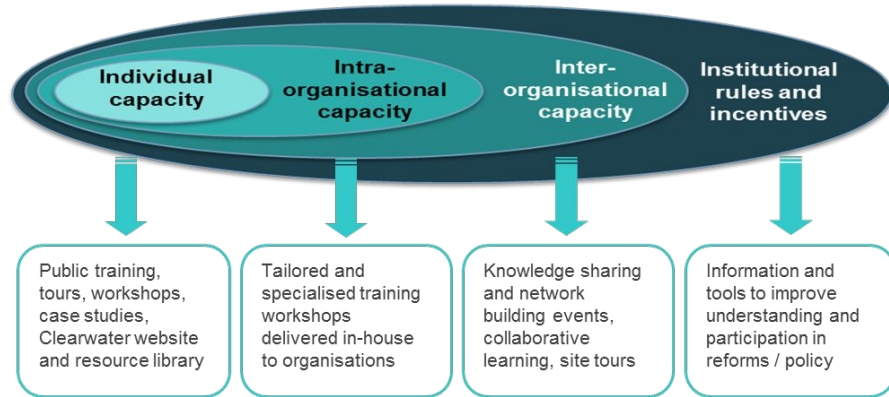


Adapted from Strategic Prevention Framework (Inn et al. 2007)

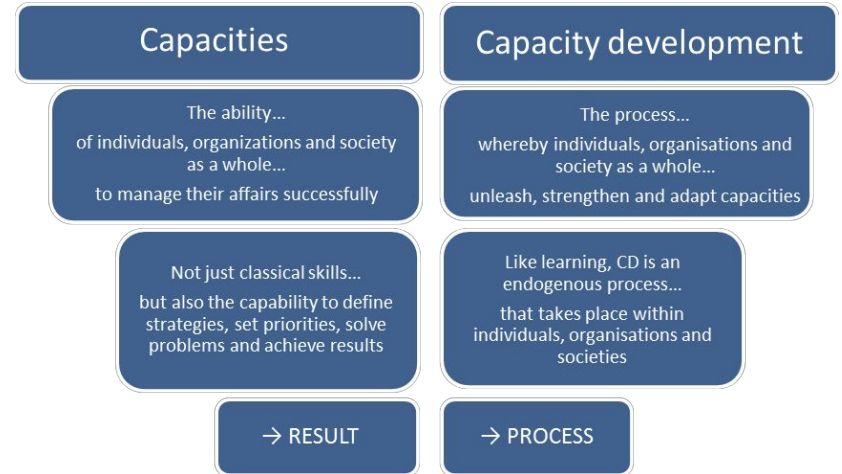
- Needs assessment,
- Define goals, scope and context, capacity assessment and mobilization
- Plan - design, resources (staff, facilities, infrastructure, technology, processes, finance, timelines)
- Implement - operational capacity, management, governance, networks
- Evaluate



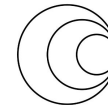
Skills capacity development



Brown R, Mouritz M and Taylor A 2006.



OECD, 2006



Define your capacity needs

- What do you need?
- What do you have?
- What is your capacity?
- How will you develop the capacity

Individual activity

- Current status
- Gaps

(Infrastructure, Resources, Processes, Policies and frameworks, Culture & Environmental)

