



Food and Agriculture
Organization of the
United Nations

SUSTAINABLE
DEVELOPMENT
GOALS

Building Competence in Non-Animal Testing Strategies for Vaccine Quality Control



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Promotion of R&D of (*In-Vitro*) Non-Animal Testing Strategies



Development and validation of Immunoassays to test vaccine efficacy and quality *in vitro*

Exploring the development of new non-animal models to replicate animal physiology and immune system

In-Silico simulation and prediction using Immuno-informatics tools



Engagement with laboratories from different sectors (public, private and academic) fostering R&D, validation and adoption of non-animal testing strategies.

FAO-supported initiatives in the Asia Pacific region

Laboratory Mapping Tool (LMT) assessment



**MAP CAPACITIES
IN THE COUNTRY**

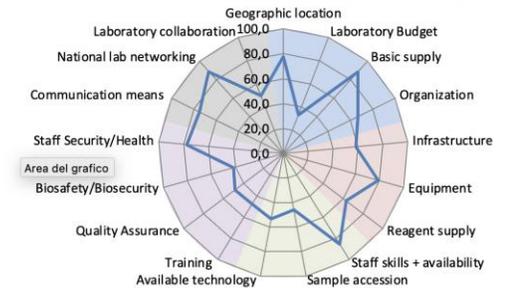


**BUILD
COLLABORATIONS**

03/04/2024 - LMT-Core results : Summary for CVL

Current Assessment*		
LMT -Core Category	04/03/2024 - LMT Results for CVL	Reliability **
Geographic location	77,8	100
Laboratory Budget	33,3	100
Basic supply	88,9	100
Organization	66,7	100
Infrastructure	58,3	89
Equipment	79,2	100
Reagent supply	63,0	100
Staff skills + availability	85,7	100
Sample accession	45,8	100
Available technology	53,3	83
Training	47,6	100
Quality Assurance	48,5	100
Biosafety/Biosecurity	41,7	100
Staff Security/Health	77,8	100
Communication means	75,0	100
National lab networking	88,9	100
Laboratory collaboration	50,0	89
Grand total (%) CVL	59,9	96

04/03/2024 - LMT Results for CVL



04/03/2024 - LMT Areas * Results for CVL

Area	TOTAL (%)
TOTAL General laboratory profile	66,7
TOTAL Infrastructure, equipment, supplies	66,7
TOTAL Laboratory performance	60,0
TOTAL QA, Biosafety/Biosecurity	49,4
TOTAL Lab collaboration and networking	64,4



FAO-supported initiatives in the Asia Pacific region

National Animal Health Network

- Roadmap

Capacity building

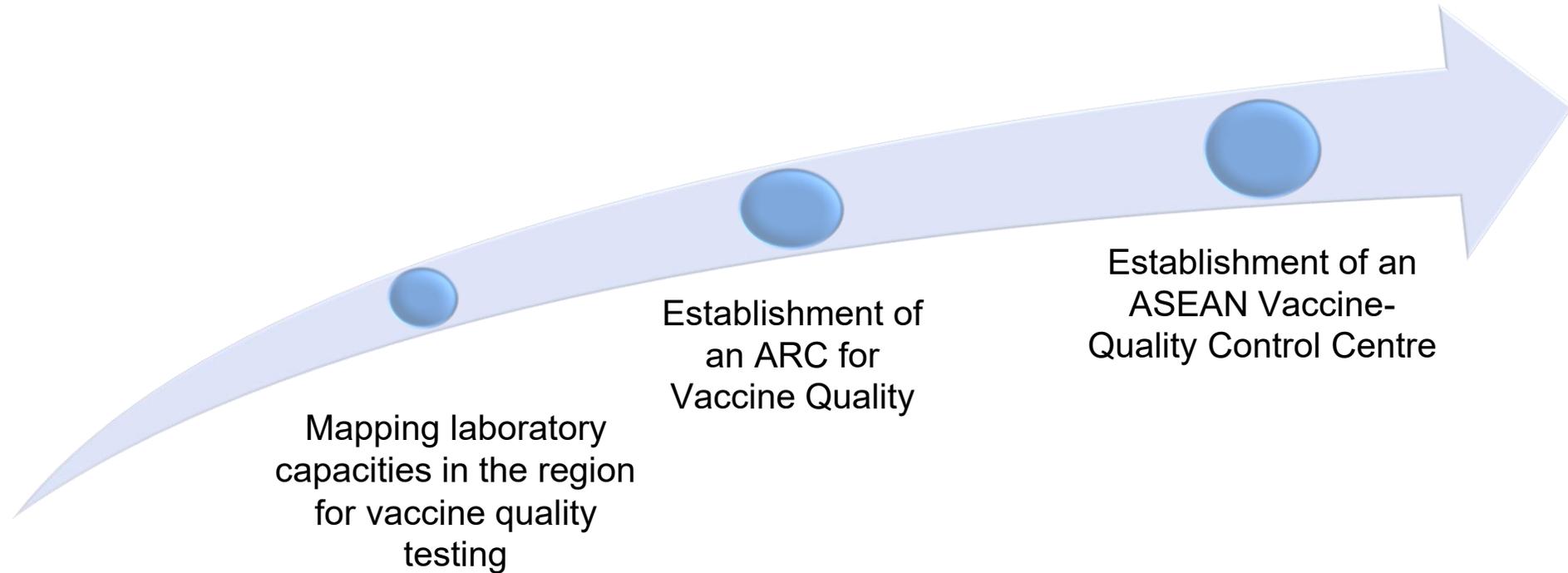
Regional Animal Health Network

- Laboratory Technical Advisory Group (Lab-TAG)
- ASEAN Ref Labs and Centres





Vision



ASEAN LabTAG Virtual Hub and Roadmap



Collaboration and Coordination with regional partners

PARTNERS

- ❖ WHO
- ❖ WOHAI
- ❖ UNEP
- ❖ IAEA
- ❖ ACDP
- ❖ IPC, etc..

PLATFORMS

- Lab-TAG
- ALDF
- GLLP,
etc..

THANK YOU
