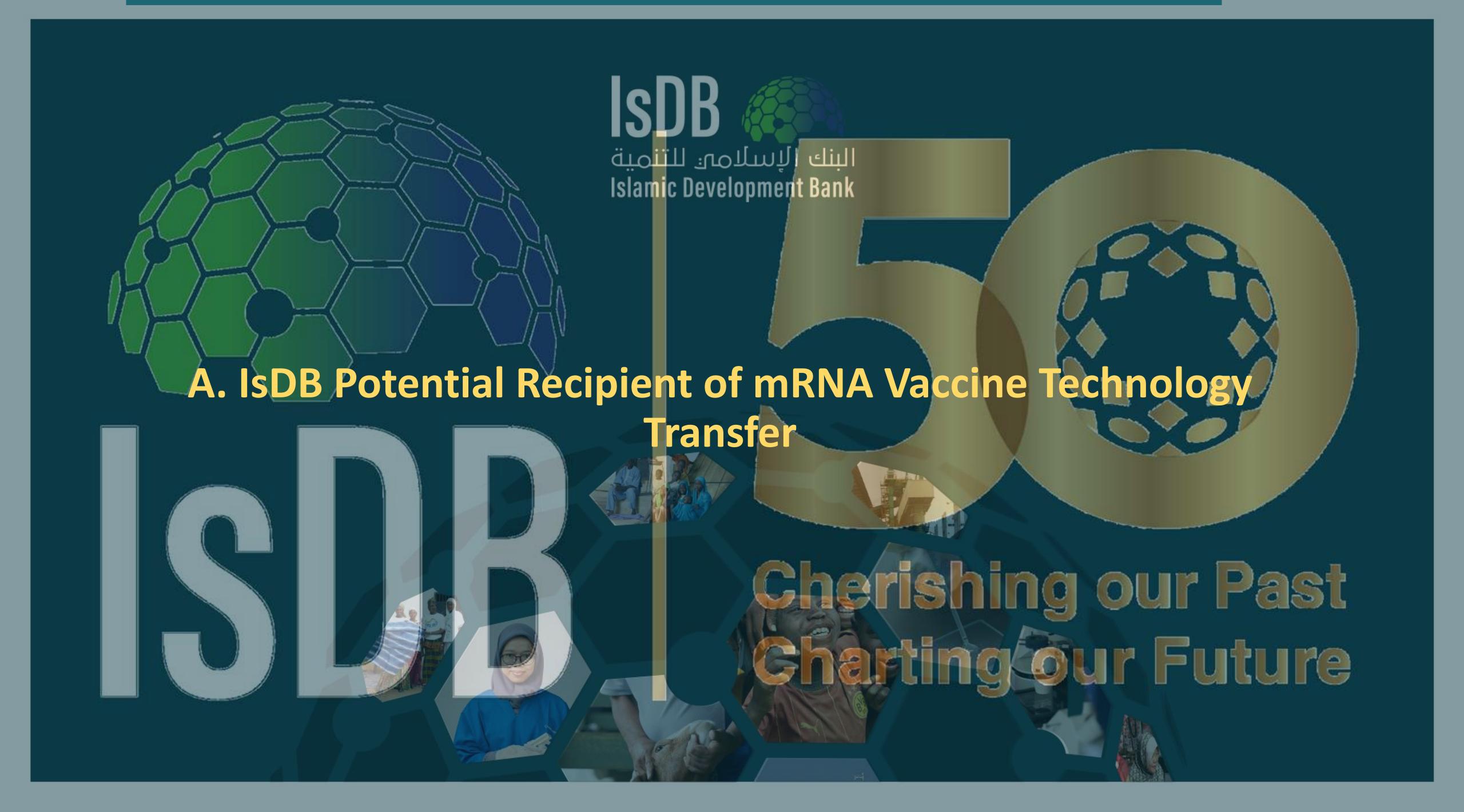


Introduction

- ❖ Vaccine Development: Riskiest phase and therefore involves financing schemes that have the risk absorption capacity.
- ❖The principal financial instruments to support vaccine development are grants and venture equity investments that could be co-financed with governments, venture capital and private sector.
- ❖Opportunities to strengthen regional vaccine supply and introducing new vaccine. But, given the rapidly evolving landscape of suppliers, it must be carefully plotted.
- ❖IsDB and AfDB Joint Health Industrialization Strategy for Africa.
- Health Impact Investment Platform





Where do IsDB bigger suppliers stand within the top generic suppliers?

- ❖ The largest supplier in volume is Serum Institute India. The 5th largest is PT Bio Farma, Inst. Pasteur Senegal is 37th, and Incepta Bangladesh is at 46th position.
- The top 9 companies account for 80% of reported vaccines sales in units.

According to WHO, there are 84 vaccine suppliers globally, of which 19 are based in Europe and the USA, and 65 others in 24 countries.



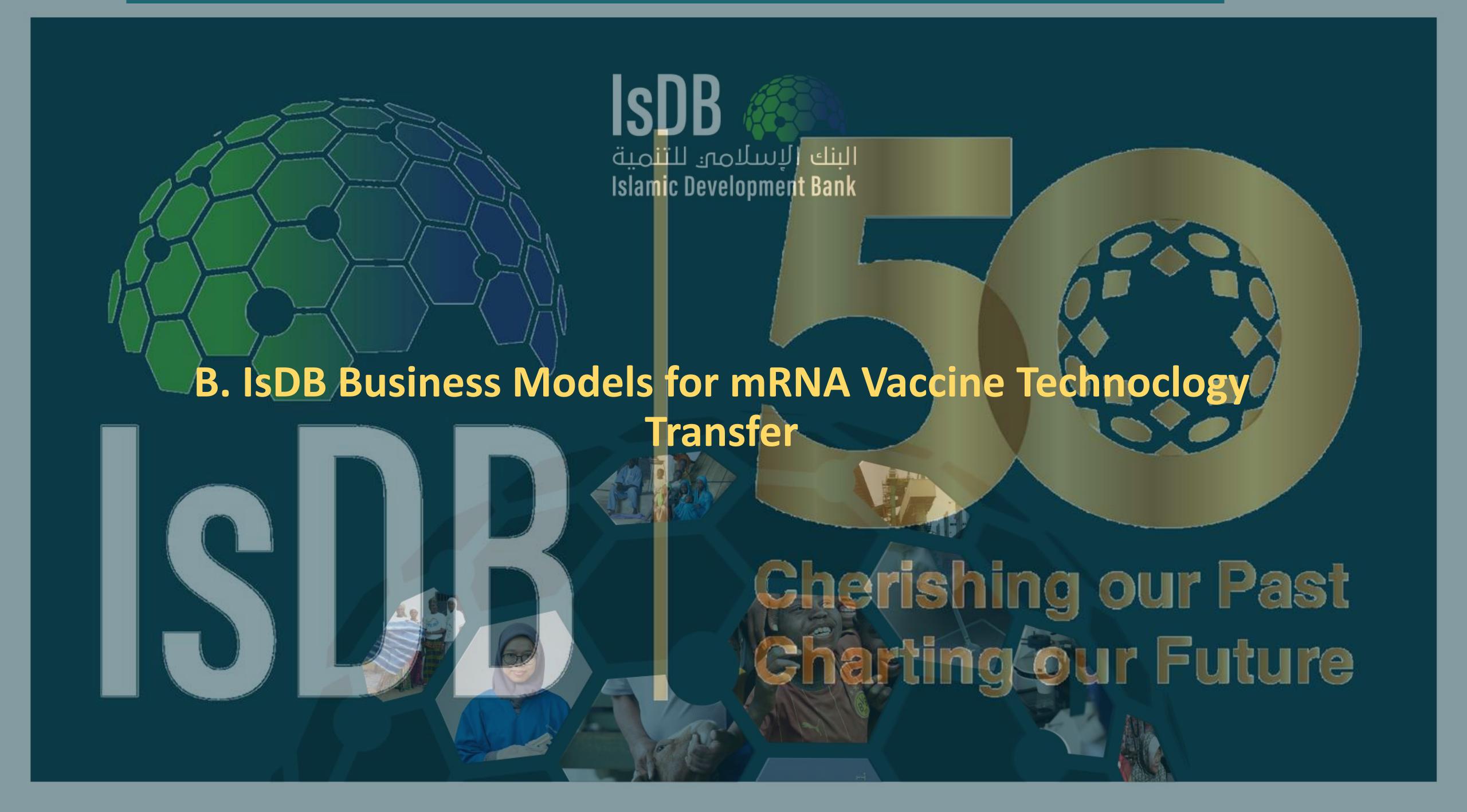


Green Field Possibilities

- Size of birth cohort & regional "uniqueness" criteria: count double
- Malaysia, Saudi Arabia and Türkiye attract more funding for vaccine production. Jordan and Uganda are the next strongest opportunities for green field development.

5 = strong 0 = weak

		Criteria	Turkey	Saudi Arabia	l Malaysia	Jordan	Uganda	Iran	Pakistan	Kazakhstan	Egypt	Morocco	Tunisia	Sudan
Strength	positive attirbutes,	Government commitment	4	5	4	3	3	3	3	4	2	4	3	2
		Existing vaccines & Rx business	2	2	2	2	1	2	1	1	1 (Vacsera)	1 (Pasteur)	1 (Pasteur)	0
		Size of local birth cohort	3	1	1	1	4	3	5	1	4	1	1	3
		Access to HR	3	2	3	4	2	3	3	2	2	2	2	1
		Scientific Academy	3	3	3	3	2	3	2	2	3	2 2	2	1
Weakness	Negative factors that detract from strengths, things that management may need to improve	Erratic electrical supply	4	5	4	3	2	3	2	4	3	2	2	2
		Transportation links	4	5	4	4	1	3	3	2	2	2	2	1
		Air cargo	5	5	5	3	3	3	3	3	3	2	2	1
Opportunit y	business environment	Regional "uniqueness" of Icoation	3	2	3	2	4	2	2	2	2	2	2	3
		Supporting industries	3	2	2	4	2	3	2	2	1	2	1	1
		Strong local Tech sector	3	3	4	3	2	3	2	2	2	2	1	1
Threats	External factors over which there is no control, which may require contingency plans	Lack of regional competition, low score if other suppliers nearbye	2	3	2	3	5	3	2	2	3	4	4	3
		Political stability	3	4	4	4	3	2	2	3	1	3	2	1
	Overall Score			42	41	39	34	36	32	30	29	29	25	20



IsDG Group Vaccine Access Facility Strategic Business Structural Model

Main pillars	Key actions	Targets	Financing	SPRP
Vaccine Development	Technology Transfer and/or Innovation	Biotechnology Firms, Big Firms, Startups	Grant & Equity (RL, STI)	R3
Vaccine Manufacturing	Establishing "Fill & Finish" and Formulation units	Indonesia, KSA, Morocco, Nigeria, Malaysia, Senegal, Turkey	Conventional Financing & Alternative Development Financing	R3
Vaccine Procurement	Strategic Demand Forecast, Advance Market Procurement,	LDMICs	Conventional Financing, & Alternative Development Financing	R2
Vaccine Delivery	Supply Chain Management Demand generation Safety Surveillance	LDMICs and Non-LDMICs	Conventional Financing & Alternative Development Financing	R1



Technology Deployment Cooperation Programme (1)

Overview: Challenges and Opportunities in Tech Deployment

High Risk of Adopting Technology to Local Needs



Ensuring Value For Money

High Cost, Limited Access to Financing to Deploy Technology Build on Success of Reverse Linkage

Description of the Program

Use of IsDB financing for tech transfer

or tech transfer cooperation programmes

Technology provider partners required to

"buy down" financing of the project as a turnkey provider

IsDB MCs including
LDCs receive
concessional
financing

IsDB will provide support to match the technology with a Member Country recipient

Technology Deployment Cooperation Programme (2)

Programme Implementation Procedure

Identification
of the MC
Technology
NeedsTechnical
Specifications
developed in
the form of
Request for
Bid (RFB)

01

Closed
Bidding: All
Technology
Provider
Partners (TPP)
may Respond
to the RFB

02

VFM evaluation done by Specialized Technical Firm/ UN Agency. Concept Note developed as a pipeline in IsDB Work program. Conditional agreement signed with TPP.

Once
selected, the
Project is
Appraised
and approved
according to
IsDB
procedures.
TPP firm
included as
single-source.

Conditional agreement triggered when financing agreements are signed and effective. Financing agreements will be signed with MC.

05

Value Addition (Triple-Win)

04

MC

- (1) Beneficiary of competitive financing from IsDB (especially during high inflation and recession).
- (2) Strengthen key development sectors of medical, health, education, agriculture, infrastructure, etc
- (3) Gain access to right-sized and competitive technologies

03

(4) Economic benefit from Technology Deployment

(2) N

- (1) Create very positive goodwill with the beneficiary country involved.
- (2) New revenue stream and expansion of markets.
- (3) Reallocate marketing and branding budgets to MC discounts to be more competitive
- (4) Mitigate business development risk access to reliable decision-makers and private sector partners.

IsDB

- (1) IsDB financing become more competitive to MCs (Reduced cost of financing to MCs).
- (2) Improve the quality of projects proposed by MCs.
 - (3) Better portfolio quality through a turnkey arrangement
 - (4) More projects can be funded

Conclusion

- SWOT analysis has assisted in identification of Vaccine Production chain opportunities: both Biofarma and Institut Pasteur Dakar have huge opportunities.
- Many manufacturers are overshadowed by neighboring countries competition and further potential of the supplier need to be assessed at project development stage.
- Further assessment of the "green field sites" will be continued to evaluate throughout the second phase.



Thank You

