

Status of Arab Countries in Innovation

Based on Global Innovation Index 2019

Ali H. Al Lawati



GLOBAL INNOVATION INDEX 2019

Creating Healthy Lives—The Future of Medical Innovation

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12TH EDITION

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	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W
1	Country	Score Input	Rank	income	Rank	Region	Rank	Country	Score Output (1-100)	1.3. Business Environment	2.2.2. Graduate s in Science and Engineering	2.3. Research & Development	2.3.1. Research ers	2.3.2. Gross Expenditu re on R&D (GERD)	2.3.3. Global R&D companie s, average expenditu re top 3	5.1. Knowledge Workers	5.1.1. Employm ent in knowledg e-intensive services	5.1.3. GRED performed by business enterprise	5.2. Innovatio n linkages	5.2.1. University /industry research collabora tion	5.2.3. GERD financed by abroad	5.2.5. Patent families filled in at least two offices	5.3. Knowledg e obserptio n
2	Algeria	34.64	100	UM	33	NAWA	17	Algeria	13.32	63.7	61.6	5.3	9.8	11.4	0	19	30.5	0.9	13.8	26.9	0	0	21.4
3	Bahrain	42.89	69	HI	46	NAWA	9	Bahrain	19.31	79.5	28.3	1.2	1.7	3.1	0	24.5	29.7	0	17.9	38.8	14	0	29.5
4	Egypt	33.32	106	LM	18	NAWA	18	Egypt	21.62	63.2	6.2	10.7	8	13	0	21.1	53.1	0.8	17.5	30	0	0.1	24.9
5	Jordan	37.1	91	UM	28	NAWA	15	Jordan	22.12	57.4	48.4	7.8	7.1	7	0	0	0	0	26.7	40.6	0	0.5	23.9
6	Kuwait	41.9	75	HI	48	NAWA	11	Kuwait	27.21	60.3	0	2.9	5.8	1.5	0	26.6	39.9	0	19.6	40.2	2.2	0.2	28.1
7	Lebanon	37.08	92	UM	29	NAWA	16	Lebanon	20	54.1	0	13.8	0	0	0	30.6	0	0	25.6	41.1	0	1	31.6
8	Morocco	39.91	83	LM	10	NAWA	13	Morocco	23.34	72.9	26.3	7.9	12.8	15.3	0	20.9	10.6	5.4	16.9	31.2	3.2	0.3	21.5
9	Oman	45.08	57	HI	44	NAWA	8	Oman	16.88	67.6	100	4	2.8	4.5	0	28.7	31.7	2.1	24.9	51	0.1	0.2	18
10	Qatar	45.59	53	HI	43	NAWA	6	Qatar	22.13	62.9	38.8	7.2	7.2	10.9	0	17.3	31	2.2	27.6	64.8	3.5	0.6	45.7
11	Saudi A	46.4	49	HI	42	NAWA	5	Saudi	19.46	40	36	37.3	0	17.6	53.4	37.3	47.7	0	30.3	48	0	1.7	35.5
12	Tunisia	42.13	74	LM	5	NAWA	10	Tunisia	23.54	72.2	98	9.1	23.7	12.8	0	26.7	36.2	3.1	16	38.2	7.5	0.1	21.3
13	United A E	57.65	24	HI	24	NAWA	2	United AE	26.68	71.9	36.2	37.7	29.1	20.8	69.7	40	31.6	18.7	41.9	55.7	0	0.7	42
14	Yemen	22.53	129	LI	19	NAWA	19	Yemen	6.44	46.5	0	0	0	0	0	6.7	1	0	15.8	19.5	0	0	26.3
15										0.385077		0.623821			0.653751	0.704451			0.737476	0.82273		0.419108	0.505237
16	Country	Score Input	Score Output							0.407168		0.352249			0.267985	0.411049			0.416412	0.529961		0.229764	0.296303
17	Algeria	34.64	13.32							-0.2544													
18	Bahrain	42.89	19.31							-0.17515													
19	Egypt	33.32	21.62							0.139418													
20	Jordan	37.1	22.12							-0.12049													
21	Kuwait	41.9	27.21							0.120344													
22	Lebanon	37.08	20							-0.57069													
23	Morocco	39.91	23.34							-0.1625													

Analysis of the scores

- The **Innovation Input** Sub-Index is comprised of five pillars that capture elements of the national economy that enable innovative activities: (1) Institutions, (2) Human capital and research, (3) Infrastructure, (4) Market sophistication, and (5) Business sophistication.
- The **Innovation Output** Sub-Index provides information about outputs that are the result of innovative activities within economies. There are two output pillars: (6) Knowledge and technology outputs and (7) Creative outputs.

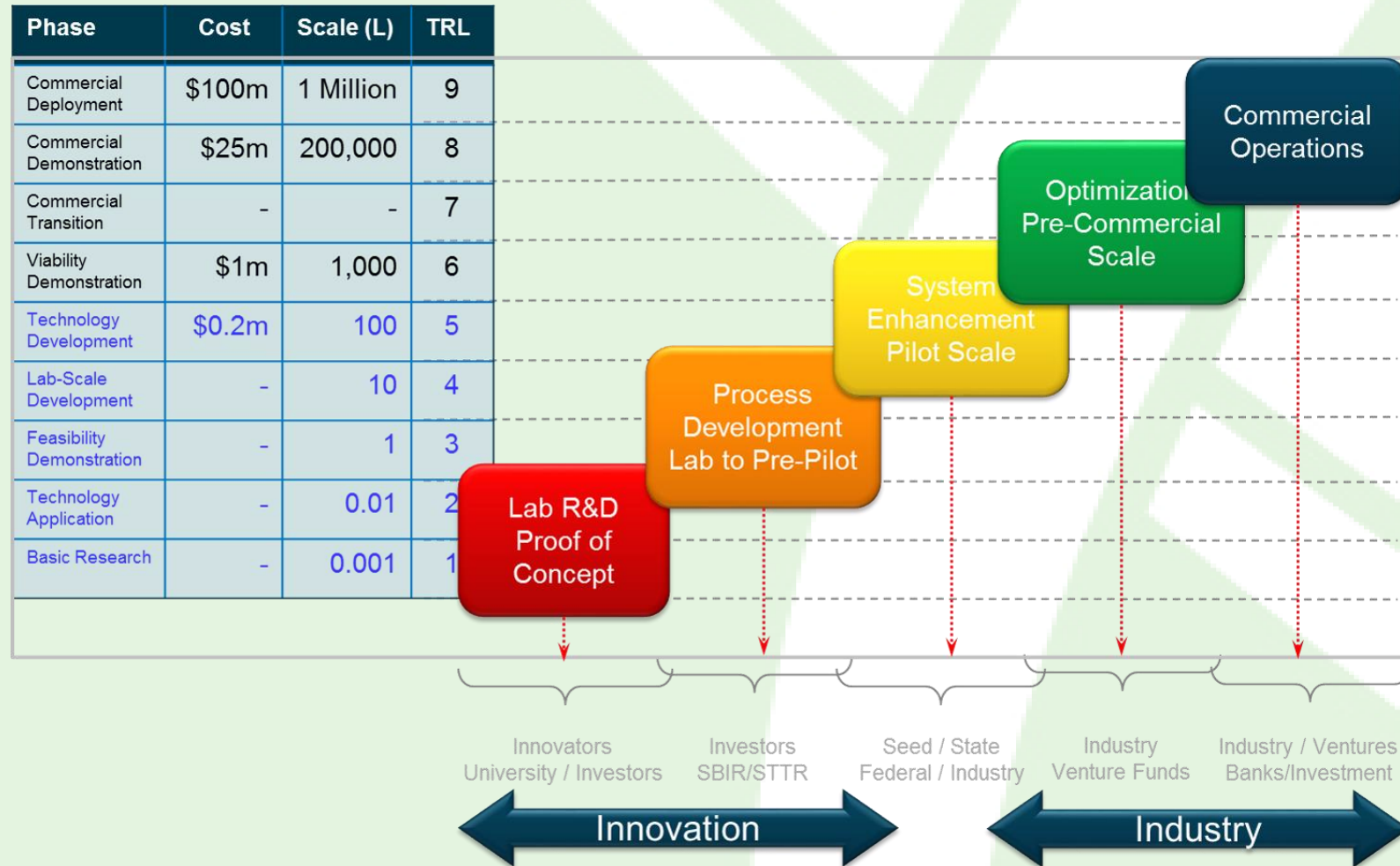
Country	Score Input (1-100)	Score Output (1-100)
Algeria	34.64	13.32
Bahrain	42.89	19.31
Egypt	33.32	21.62
Jordan	37.1	22.12
Kuwait	41.9	27.21
Lebanon	37.08	20
Morocco	39.91	23.34
Oman	45.08	16.88
Qatar	45.59	22.13
Saudi A	46.4	19.46
Tunisia	42.13	23.54
United A E	57.65	26.68
Yemen	22.53	6.44

Significant correlation between Innovation Input Score with indices among some Arab countries

- 2.3. Research & Development
 - 2.3.3. Global R&D companies, average expenditure top 3
- 5.1. Knowledge Workers
- 5.2. Innovation linkages
 - 5.2.1 University/industry research collaboration

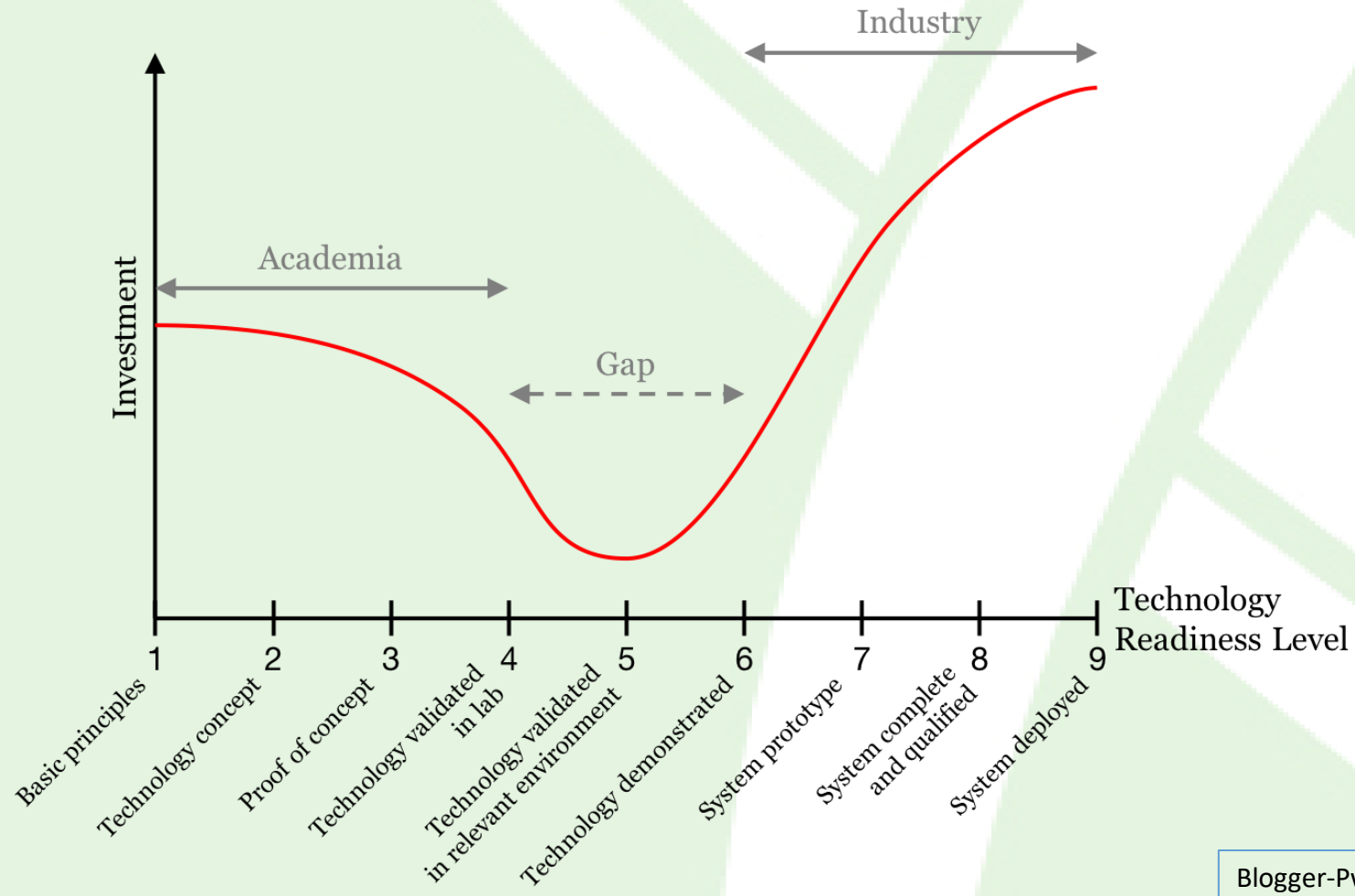
Significant correlation between Innovation Output Score with indices among some Arab countries

- 6.2. Knowledge impact
- 6.3. Knowledge diffusion



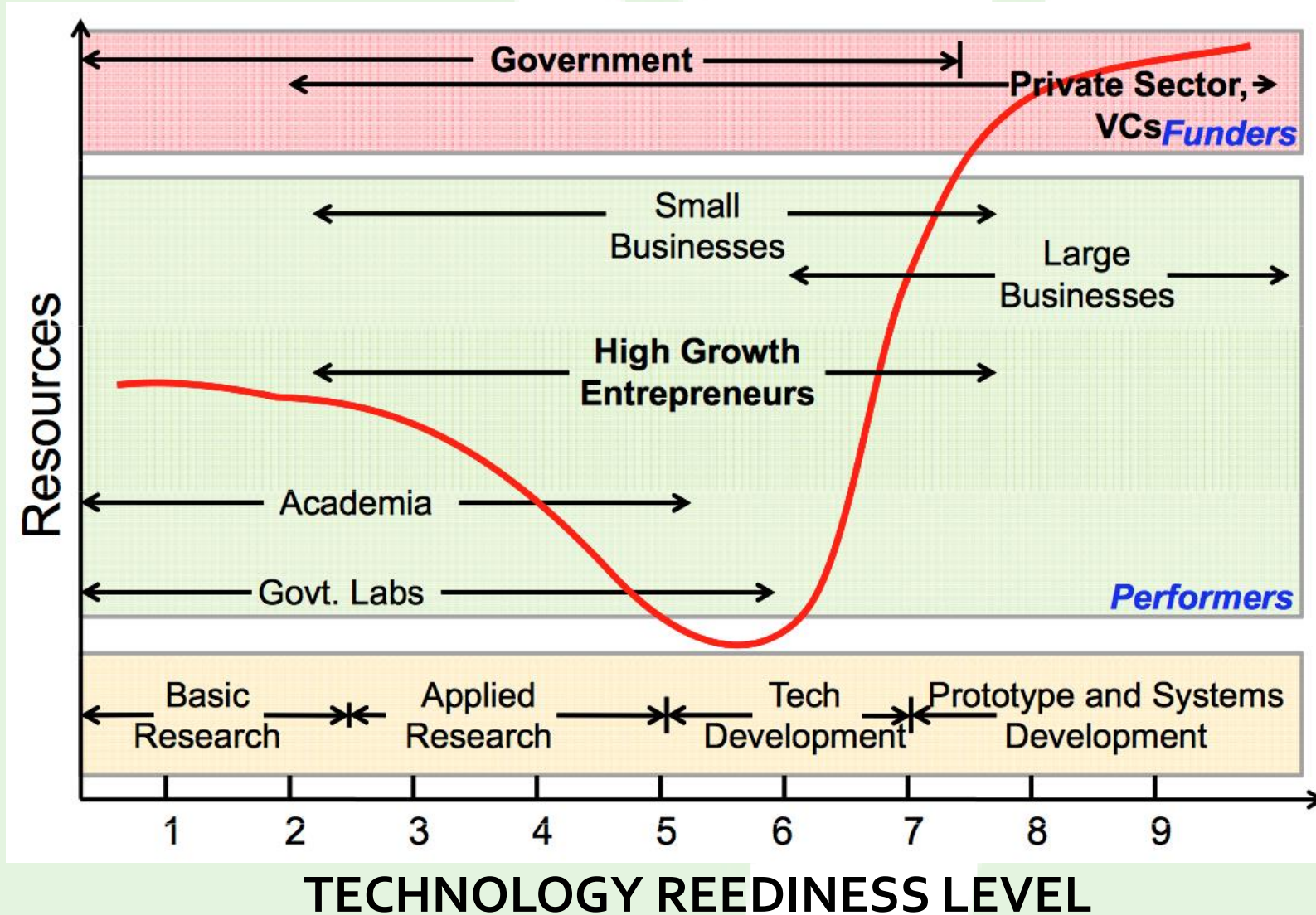
<https://www.cbirc.iastate.edu/industry/technology-readiness-levels/>

TECHNOLOGY REEDINESS LEVEL



TECHNOLOGY REEDINESS LEVEL

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