ANNEXES
Annex 1: Methodologies for Measuring Knowledge


The World Bank Knowledge Assessment Methodology

Knowledge Assessment Methodology (KAM)

Knowledge Economy Index (KEI)

Knowledge Index (KI)

Economic & Institution Regime Index

Education Index

Innovation Index

ICT Index

- Tariff & Nontariff barriers
- Regulatory Quality
- Rule of Law

- Average Years of Schooling
- Secondary Enrolment
- Tertiary Enrolment

- Royalty Payments & Receipts
- Patent Count
- Journal Articles

- Telephones
- Computers
- Internet Users
The General Structure of the Arab Competitiveness Index

Total Compound Index of Arab Competitiveness (70 Sub-Indices)

Potential Competitiveness (17 Sub-Indices)
- Innovation drive and Technology Localisation (5 Indices)
- Human Capital (8 Indices)
- Quality of Technology Infrastructure (4 Indices)

Current Competitiveness (53 Sub-Indices)
- Overall Economic Performance (9 Indices)
- Business Environment and Attractiveness (28 Indices)
- Market Dynamics, Products and Specialisation (8 Indices)
- Productivity and Costs (8 Indices)

Governance and Effectiveness of Institutions (3 Indices)
Infrastructure of Distribution of Goods and Services (7 Indices)
Investment Attractiveness (8 Indices)
Government Interference in Economy (3 Indices)
Overall Economic Performance (9 Indices)

Figure A 1-3
The General Structure of the Global Competitiveness Index

Global Innovation Index (average)

Innovation Efficiency Ratio (Ratio)

Innovation Output Sub-Index

Creative Outputs
Intangible Assets
Creative Goods and Services
Online Creativity

Knowledge and Technology Outputs
Knowledge Creation
Knowledge Impact
Knowledge Diffusion

Innovation Input Sub-Index

Business Sophistication
Market Sophistication
Knowledge Workers
Innovation Linkages
Knowledge Absorption

Market Sophistication
Trade & Competition
Investment
General Infrastructure
Ecological Sustainability

Infrastructure
ICT
Tertiary Education
Education
Economic Sustainability
Education Development

Human Capital and Research
Credit
ICT
Tertiary Education
Political Environment

Institutions
Political Environment
Business Environment