

UN ESCWA Technology Centre
ESTIC VI
April 2012

Fouad Mrad
Executive Director



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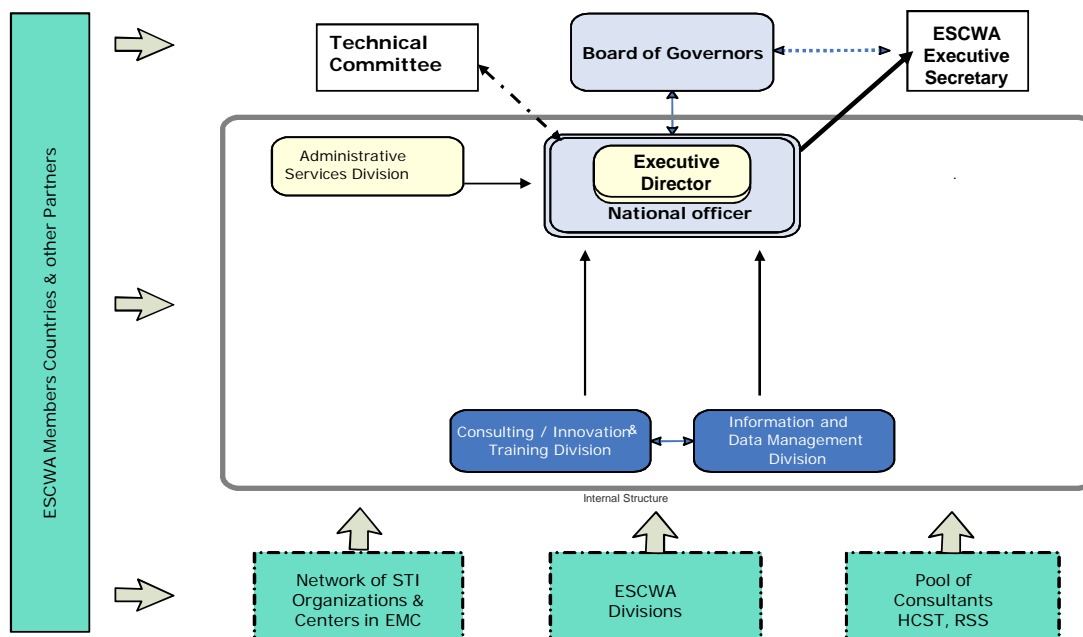
Mission of ETC

To Assist member countries and their public and private organizations to acquire the necessary tools and capabilities to accelerate socio-economic development in order to attain technological parity with other nations and regions.

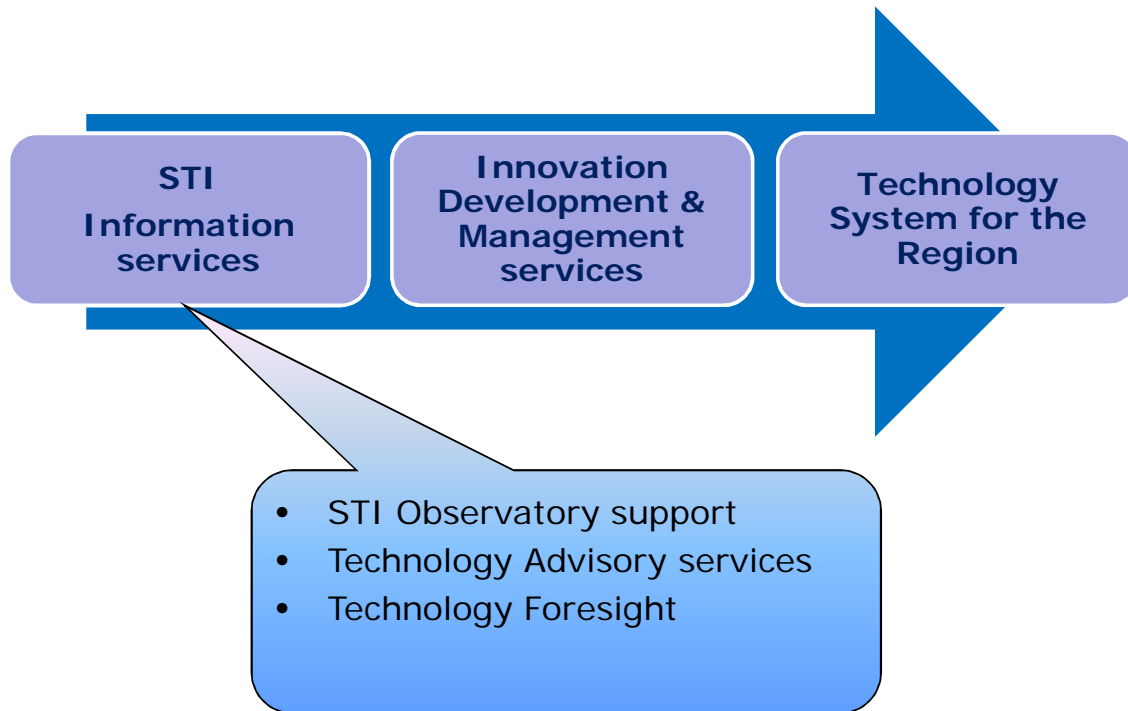
Objectives of ETC

- To contribute to the strengthening of **national STI systems**
- To develop capabilities in problem solving **and** policy formulation
- To foster synergy and complementarity at the regional level in the application of technology

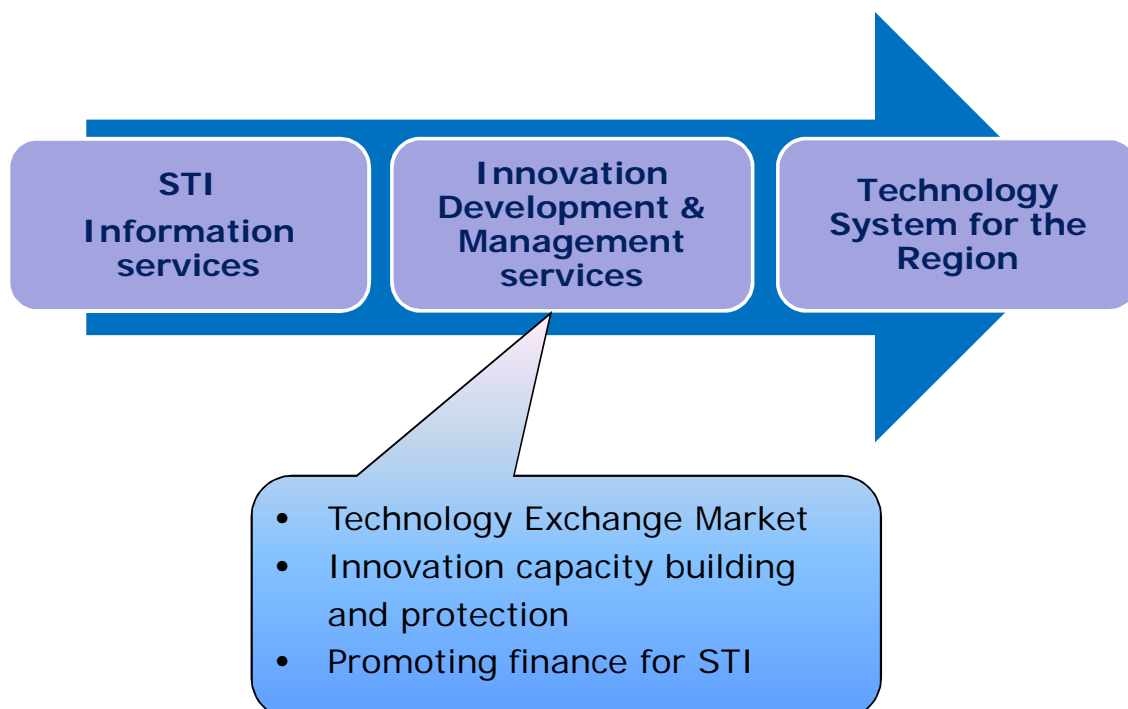
ESCWA Technology Centre, Amman - Jordan



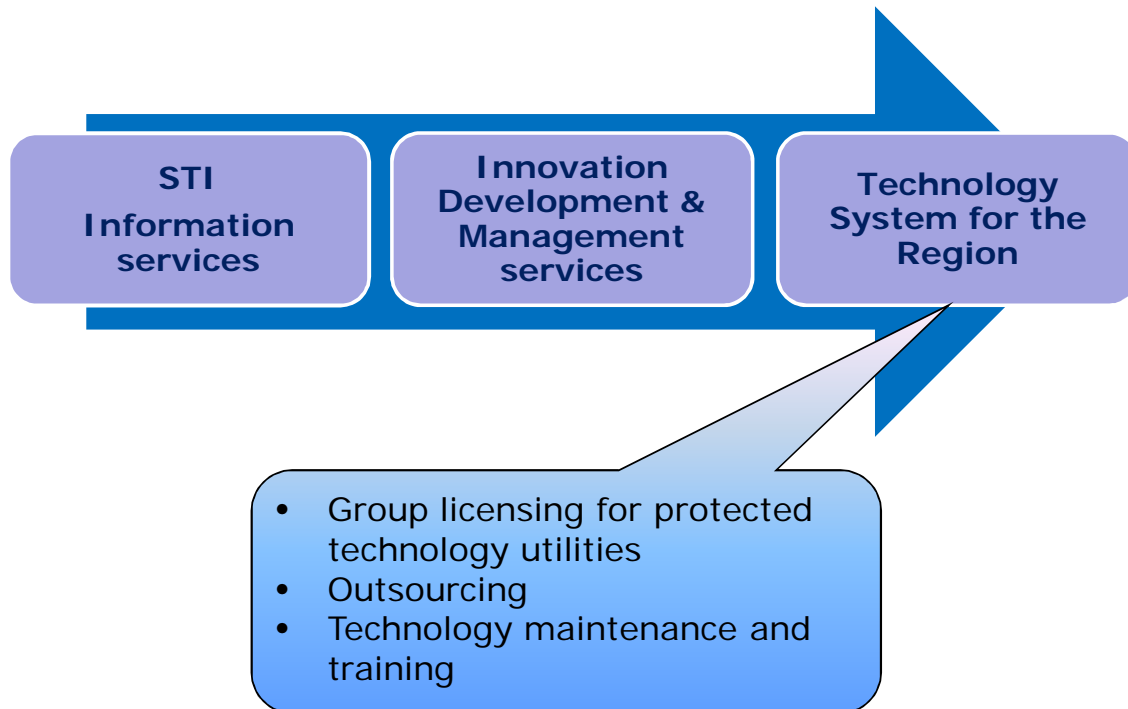
ETC Activities



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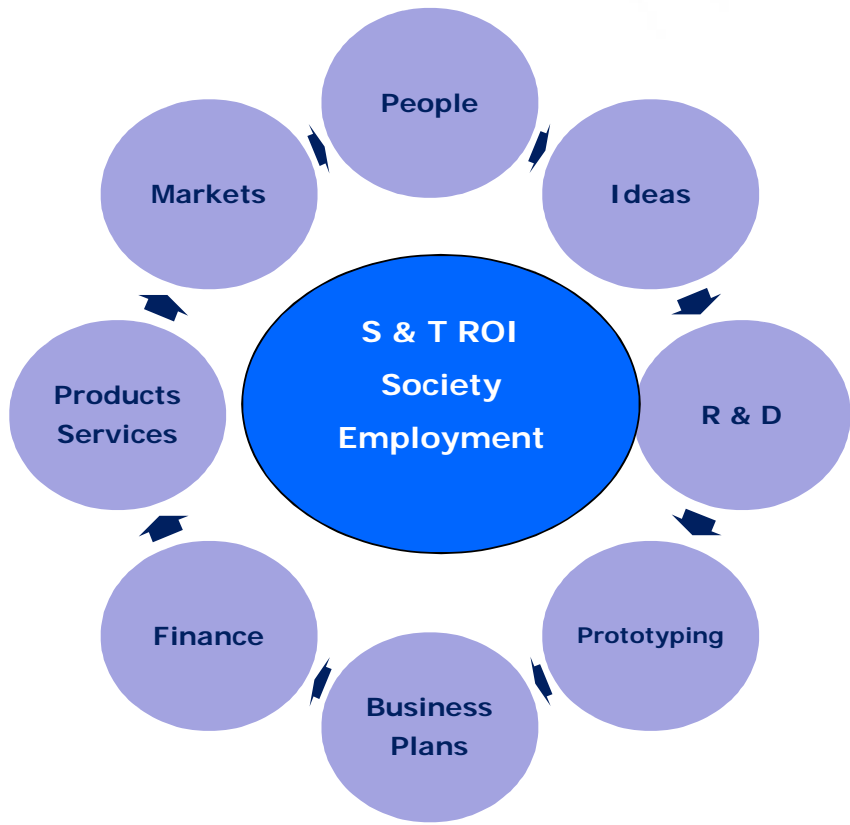


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Domains of Attention

- Construction industry
- Industrial technologies
- Energy
- Agriculture
- Water
- New materials
- Information and Communication Tech

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Opening Ceremony



ETC Update

- **Board of Governors (Meeting Nov 2011)**
 - 10 nominated
 - 1 apology
 - 3 no reply
- **Technical Committee (26 April 2012)**
- **Staff**
 - UN ETC Executive Director in Jordan: August 2011
 - UN ETC National Officer started: Oct 2011
 - UN Expert on Mission Innovation Officer: Nov 2011
 - UN ETC General Service March 2012

ETC Update: Staff

- **Staff In Kind from RSS (from \$200K/y)**
 - Based on prepared Job Description (PART TIME):
 - Information Support Officer
 - Administrative Officer
 - Office support and driver
 - IP Review team
- **Experts in Kind from HCST (from \$200K/y)**
 - Based on prepared TOR
 - Support to AUB advisory request (science park)
 - Support for Energy Innovation request – Jordan
 - Technology Needs Assessment in Water
 - Technology Needs Assessment in Ren- Energy
 - Linking Research to Economy and Community

ETC update: Facilities

➤ Facilities

- Part of RSS commitment (up to \$400K)
- Around 200 m2 (6 offices, one conference room and peripherals) were made available
- Equipment (PCs, printer, WiFi, LAN, furniture, server, others) all made available
- Independent dwelling secured in El Hassan Science City

ETC Meetings

- 1. Promotion of South-south Cooperation in TT:**
 - 20-21 April 2011, Amman
 - 25-26 October 2011, Beirut
- 2. Entrepreneurship for Scientists and Engineers,**
12-14 September 2011, Beirut (IOP, NSCR, Berytech, LIRA)
- 3. IP & TT for Universities & Research Institutes**
16-17 November 2011, Amman (WIPO, UNESCO)
- 4. Research Commercialization Unit**
29 March 2012 CNRS Lebanon with EHBP, & WIPO
- 5. Entrepreneurship in Engineering Curricula,**
19 April 2012, Lebanese University & QRCE
- 6. Rapid Prototyping with Texas A&M Un in Qatar**
6-7 June 2012, Qatar

ETC Relevant Studies

1. Customize an innovation intellectual property creative system: PUBLISHED
2. Develop economic model for technology deployment in the various productive sectors : PUBLISHED
3. Financing Technology Transfer and Innovation Advice roadmap and support guide : PUBLISHED
4. New web site etc.escwa.org.lb April 2012

Implemented ETC Advisory Services

1. AUB: Positioning a new Science Park: **DONE**
2. Ministry of Industry Lebanon: Industrial Competitiveness : **DONE**
3. ALI Lebanon: Retreat and strategy: **DONE**
4. RSS Jordan: Commercialization matching: **DONE**
5. UNIDO – Libanpack: Packaging innovation contest judge: **DONE**
6. Qatar Foundation: Judging Arab Science innovation TV Contest: **GOING**
7. Federation of GCC Chambers; Entrepreneurship for Youth: **GOING**
8. Lebanese University; Innovation for Engineers and Scientists: **GOING**

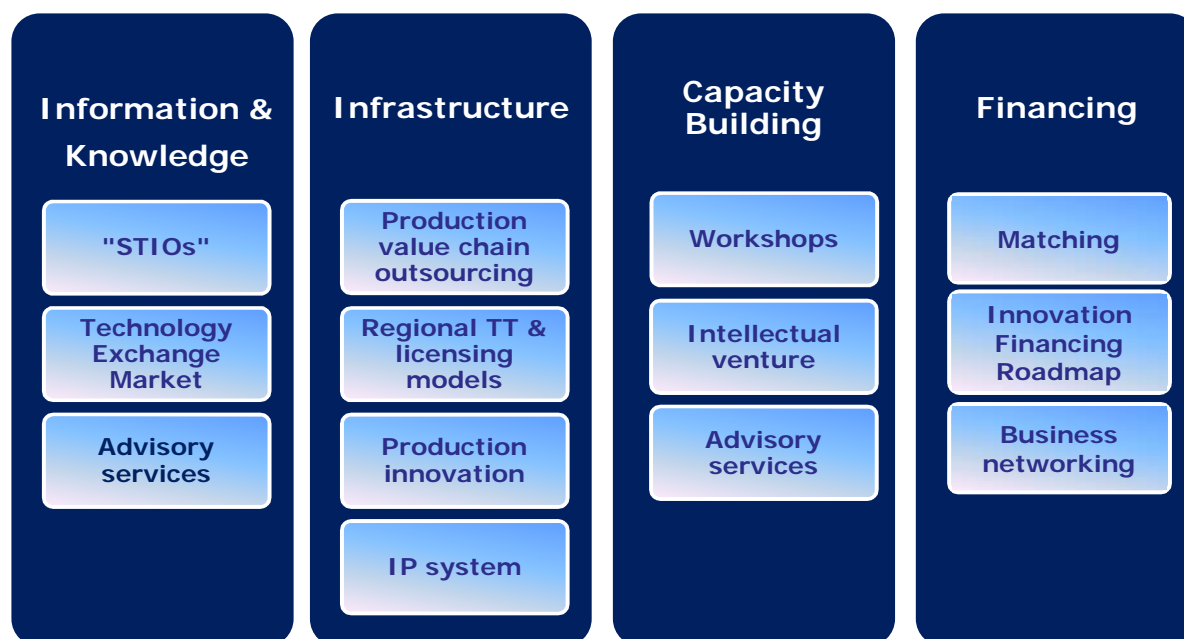
Networking

- Visited KSA Board member in KACST & KAUST
- Visited Sudan Board member and institutions
- Visited Bahrain Board member and institutions
- Visited Lebanon Board member
- Visited HCST and RSS leadership
- Arranged for Qatar National Research Fund visit to Jordanian institutions
- Jordan IPCO experience mapped to Lebanon
- Jordan QREC experience mapped to Lebanon

ETC Participation

1. Industry-University Forum, Beirut - June 2011
2. Arab Technology Licensing, Abu-Dhabi - Oct11
3. Licensing Opportunity Forum, Sharjah - Nov 2011
4. World Innovation Summit for Education WISE, Doha - Nov 2011
5. QITCOM/Arab Connect, Doha- March2012
6. Digital Arabic Content, Amman – March 2012

ETC Work Plan 2012-2013



Science, Tech & Innovation Observatories "STIOs"

Activity	Resources	KPIs	Duration
Encourage new national STIOs	ETC	2 new STIOs	3 MM
Selective STI indicators for the region	UNESCO	Informative data posted on ETC web and shared with STIOs	1 MM
STI related foresight studies	HCST ICTD	Three studies for 3 sectors	6 MM
R & D centers regional directory	RSS	ETC Web site	2 MM

Candidate Partners: UNESCO, OECD, ALECSO

Technology Exchange Market

Activity	Resources	KPIs	Duration
Virtual Innovation Exchange Portal (content development)	RSS	6 successful matching cases	1 MM

Candidate Partners:

Universities, governments, WIPO, UNESCO, Incubators, Science Parks, Private Sector

Advisory Services

Activity	Resources	KPIs	Duration
Technology deployment policies	HCST ESCWA	2 requests, 2 successful implementations	2 MM
Technical consulting	HCST ESCWA	Four requests, implemented and documented impact	2 MM

Candidate Partners: Governments, civic society, Private Sector

Production Innovation

Activity	Resources	KPIs	Duration
Sectorial Technology needs assessment	HCST ESCWA(SDPD, EDGD)	2 sectors	6 MM

Candidate Partners:

Governments, UNCFCC, AIDMO, national and regional business networks, UNEP

Intellectual Property System

Activity	Resources	KPIs	Duration
IP national system	RSS HCST ESCWA (ICTD,EDGD)	2 countries	3 MM

Candidate Partners: Governments, WIPO, LAS

Workshops

Activity	Resources	KPIs	Duration
Entrepreneurship and Innovation	ETC	20 participants from 8 countries	-
Rapid prototyping	ETC	20 participants from 8 countries	-

Candidate Partners for 1st : IOP, RSS, UNU, ISTIC

Candidate Partners for 2nd: NI, Tec. Suppliers, UN APCTTI, chambers of industry

Technological Advisory Services

Activity	Resources	KPIs	Duration
Industrial Technology Selection and Assessment	Contract	Complete the study, dissemination to countries	2 MM
Selective Technology Foresight	HCST RSS	4 studies	4 MM

Candidate Partners : OIC, AIDMO, UNIDO, Governments

Intellectual Venture (IV)

Activity	Resources	KPIs	Duration
National IV sessions	HCST RSS	4 sessions in 4 countries, at least 2 IP filing applications/ session	2 MM

Candidate Partners: WIPO, QF, OIC, World bank, IOP

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Matching

Activity	Resources	KPIs	Duration
Regional Innovation Tour	HCST RSS	Private sponsorship, at least 10 investors enrolled. At least 100 innovation projects qualified. Output of the tour at least 10 matching cases	2 MM
National Matching Events	RSS HCST	3 national events, no. of investors > 5, no. of presenters >15, no. of success cases >5%	3 MM
Online Exchange	RSS HCST	Start with >50 offerings and >50 requests. >10 matches/vol of deals	1 MM

Candidate Partners: World Bank, OIC, Arab banks network, KAUST, ASTF, QF, TAG, national Universities, National incubators

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Innovation Financing Roadmap

Activity	Resources	KPIs	Duration
Available financing options	ETC	Number of sponsored invitations for dissemination	-
Financing Innovation Roadmap Publication	ETC	Number of sponsored invitations for dissemination	-

Candidate Partners : OIC, LAS

Business Networking

Activity	Resources	KPIs	Duration
Partnership opportunities	ETC	6 successful deals	-
Business Development Prospects	ETC	2 significant deals	-

Candidate Partners : Production Sector, Technology Suppliers, OIC

Thank you