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

STI Information services

Innovation Development & Management services

Technology System for the Region

- STI Observatory support
- Technology Advisory services
- Technology Foresight

Technology Exchange Market
- Innovation capacity building and protection
- Promoting finance for STI
ETC Activities

- STI Information services
- Innovation Development & Management services
- Technology System for the Region

- Group licensing for protected technology utilities
- Outsourcing
- Technology maintenance and training

Domains of Attention

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

2. Develop economic model for technology deployment in the various productive sectors: PUBLSIHED

3. Financing Technology Transfer and Innovation Advice roadmap and support guide: PUBLSIHED

4. New web site etc.escwa.org.lb April 2012

Implemented ETC Advisory Services

1. AUB: Positioning a new Science Park: 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- March 2012
6. Digital Arabic Content, Amman – March 2012
ETC Work Plan 2012-2013

Information & Knowledge
- "STIOs"
- Technology Exchange Market
- Advisory services

Infrastructure
- Production value chain outsourcing
- Regional TT & licensing models
- Production innovation
- IP system

Capacity Building
- Workshops
- Intellectual venture
- Advisory services

Financing
- Matching
- Innovation Financing Roadmap
- Business networking

Science, Tech & Innovation Observatories "STIOs"

<table>
<thead>
<tr>
<th>Activity</th>
<th>Resources</th>
<th>KPIs</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Encourage new national STIOs</td>
<td>ETC</td>
<td>2 new STIOs</td>
<td>3 MM</td>
</tr>
<tr>
<td>Selective STI indicators for the region</td>
<td>UNESCO</td>
<td>Informative data posted on ETC web and shared with STIOs</td>
<td>1 MM</td>
</tr>
<tr>
<td>STI related foresight studies</td>
<td>HCST I TBD</td>
<td>Three studies for 3 sectors</td>
<td>6 MM</td>
</tr>
<tr>
<td>R &amp; D centers regional directory</td>
<td>RSS</td>
<td>ETC Web site</td>
<td>2 MM</td>
</tr>
</tbody>
</table>

Candidate Partners: UNESCO, OECD, ALECSO
## Technology Exchange Market

<table>
<thead>
<tr>
<th>Activity</th>
<th>Resources</th>
<th>KPIs</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Virtual Innovation Exchange Portal (content development)</td>
<td>RSS</td>
<td>6 successful matching cases</td>
<td>1 MM</td>
</tr>
</tbody>
</table>

**Candidate Partners:**
Universities, governments, WIPO, UNESCO, Incubators, Science Parks, Private Sector

## Advisory Services

<table>
<thead>
<tr>
<th>Activity</th>
<th>Resources</th>
<th>KPIs</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Technology deployment policies</td>
<td>HCST ESCWA</td>
<td>2 requests, 2 successful implementations</td>
<td>2 MM</td>
</tr>
<tr>
<td>Technical consulting</td>
<td>HCST ESCWA</td>
<td>Four requests, implemented and documented impact</td>
<td>2 MM</td>
</tr>
</tbody>
</table>

**Candidate Partners:**
Governments, civic society, Private Sector
## Production Innovation

<table>
<thead>
<tr>
<th>Activity</th>
<th>Resources</th>
<th>KPIs</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sectorial Technology needs assessment</td>
<td>HCST</td>
<td>2 sectors</td>
<td>6 MM</td>
</tr>
<tr>
<td></td>
<td>ESCWA (SDPD, EDGD)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Candidate Partners:**
- Governments, UNCFCC, AIDMO, national and regional business networks, UNEP

## Intellectual Property System

<table>
<thead>
<tr>
<th>Activity</th>
<th>Resources</th>
<th>KPIs</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>IP national system</td>
<td>RSS HCST</td>
<td>2 countries</td>
<td>3 MM</td>
</tr>
<tr>
<td></td>
<td>ESCWA (ICTD, EDGD)</td>
<td></td>
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</tr>
</tbody>
</table>

**Candidate Partners:** Governments, WIPO, LAS
Workshops

<table>
<thead>
<tr>
<th>Activity</th>
<th>Resources</th>
<th>KPIs</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Entrepreneurship and Innovation</td>
<td>ETC</td>
<td>20 participants from 8 countries</td>
<td>-</td>
</tr>
<tr>
<td>Rapid prototyping</td>
<td>ETC</td>
<td>20 participants from 8 countries</td>
<td>-</td>
</tr>
</tbody>
</table>

**Candidate Partners for 1st:** IOP, RSS, UNU, ISTIC  
**Candidate Partners for 2nd:** NI, Tec. Suppliers, UN APCTTI, chambers of industry

Technological Advisory Services

<table>
<thead>
<tr>
<th>Activity</th>
<th>Resources</th>
<th>KPIs</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Industrial Technology Selection and Assessment</td>
<td>Contract</td>
<td>Complete the study, dissemination to countries</td>
<td>2 MM</td>
</tr>
<tr>
<td>Selective Technology Foresight</td>
<td>HCST RSS</td>
<td>4 studies</td>
<td>4 MM</td>
</tr>
</tbody>
</table>

**Candidate Partners:** OIC, AIDMO, UNIDO, Governments
## Intellectual Venture (IV)

<table>
<thead>
<tr>
<th>Activity</th>
<th>Resources</th>
<th>KPIs</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>National IV sessions</td>
<td>HCST</td>
<td>4 sessions in 4 countries, at least 2 IP filing applications/session</td>
<td>2 MM</td>
</tr>
<tr>
<td></td>
<td>RSS</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

## Matching

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

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

<table>
<thead>
<tr>
<th>Activity</th>
<th>Resources</th>
<th>KPIs</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Available financing options</td>
<td>ETC</td>
<td>Number of sponsored invitations for dissemination</td>
<td>-</td>
</tr>
<tr>
<td>Financing Innovation Roadmap Publication</td>
<td>ETC</td>
<td>Number of sponsored invitations for dissemination</td>
<td>-</td>
</tr>
</tbody>
</table>

Candidate Partners: OIC, LAS

Business Networking

<table>
<thead>
<tr>
<th>Activity</th>
<th>Resources</th>
<th>KPIs</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Partnership opportunities</td>
<td>ETC</td>
<td>6 successful deals</td>
<td>-</td>
</tr>
<tr>
<td>Business Development Prospects</td>
<td>ETC</td>
<td>2 significant deals</td>
<td>-</td>
</tr>
</tbody>
</table>

Candidate Partners: Production Sector, Technology Suppliers, OIC
Thank you