

Annex I

ORGANIZATION OF WORK

Wednesday, 1 November 2000

- 9:00 - 10:00 a.m. Registration.
- 10:00 - 10:45 a.m. Inaugural statements:
Ahmed Farahat, Chief, Sectoral Issues and Policies Division, ESCWA
Ghinwa Jalloul, member of Lebanese Parliament
Mouin Hamzé, Secretary General of the Lebanese National Council for Scientific Research
Hazem El-Beblawi, Executive Secretary, ESCWA
George Tomeh, President of the Lebanese National Council for Scientific Research, representing the Prime Minister of Lebanon
- 10:45 - 1:15 a.m. Break.
- 11:15 a.m. - noon Keynote address: *Chairperson: Ahmad Farahat, Secretary: Omar Bizri*

Science and technology initiatives in ESCWA member countries
Vincent McBrierty, Vice Chancellor for Academic Affairs, Sultan Qaboos University, Oman
- Noon - 1:30 p.m. **Session I: Technology Initiatives in the Americas, Asia-Pacific and Europe: Case Studies**
Chairperson: Abdelkader Djeflat, Secretary: Omar Bizri.
- Noon - 12:30 p.m. National science and technology initiatives: lessons from the South and East Asian region
Samuel Garrett-Jones, Associate Professor, Centre for Research Policy, University of Wollongong, Australia.
- 12:30 – 1:00 p.m. Technical infrastructures and bridging institutions: New roles within national innovation systems (the case of SERVITEC)
Riccardo Galli, Director, SERVITEC, Italy.
- 1:00 - 1:15 p.m. Science and technology policy initiatives in the Americas
Nicholas Vonortas, Professor, Centre for International Science and Technology Policy and Department of Economics, George Washington University, Washington, D.C.
- 1:15 - 1:30 p.m. Discussion.
- 1:30 - 3:00 p.m. Lunch break.
- 3:00 - 4:20 p.m. **Session II: Science and Technology Initiatives in Selected Arab countries (1)**
Chairperson: Maroun Asmar, Secretary: Omar Bizri
- 3:00 - 3:20 p.m. Initiatives undertaken to promote dissemination, implementation and development of science and technology in the Arab Republic of Egypt
Mohamed Yousry Mohamed Moursy, President, Academy of Scientific Research and Technology, Egypt.

Wednesday, 1 November 2000 (continued)

- 3:20 - 3:35 p.m. Initiatives for science and technology capacity-building in the Kingdom of Saudi Arabia
Abdullah Al-Rasheed, Vice President for Scientific Research, King Abdulaziz City for Science and Technology, Saudi Arabia.
- 3:35 - 3:50 p.m. Development of science and technology capacity-building in Kuwait Institute for Scientific Research
Abdulhadi Al-Otaibi, Director General and Youssef Al-Sultan, Assistant Director General, Kuwait Institute for Scientific Research, Kuwait.
- 3:50 - 4:05 p.m. Research and development institutes and industry: the Egyptian experience
Nabil Saleh, Professor Emeritus and former President of the National Research Center of Egypt.
- 4:05 - 4:20 p.m. Discussion.
- 4:20 - 4:40 p.m. Break.
- 4:40 - 6:00 p.m. **Session III: Science and Technology Initiatives in Selected Arab Countries (2)**
Chairperson: Nabil Saleh, Secretary: Omar Bizri
- 4:40 - 4:55 p.m. Science and technology initiatives: the case of Palestine
Marwan Awartani, Associate Professor, Birzeit University, Palestine.
- 4:55 - 5:10 p.m. The role of universities in promoting capacity-building in science and technology
Haseeb Bashi, Director General, Directorate of Research and Development, Ministry of Higher Education and Scientific Research, Iraq.
- 5:10 - 5:25 p.m. Initiatives for science and technology capacity-building in Jordan
Munther Al-Masri, Secretary General, Higher Council for Science and Technology, Jordan.
- 5:25 - 5:40 p.m. Initiatives for science and technology parks in Kuwait
Salah Al-Mazidi, Director, Division of Policy and Planning, Kuwait Institute for Scientific Research, Kuwait.
- 5:40 - 6:00 p.m. Discussion.

Thursday, 2 November 2000

- 8:30 - 10:50 a.m. **Session IV: Application/Discipline-Specific Science and Technology Initiatives**
Chairperson: Marwan Awartani, Secretary: Omar Bizri
- 8:30 - 8:50 a.m. Information technology in the service of science and technology education in Arab States
Tarek Shawki, Regional Adviser for Informatics, UNESCO Cairo office, Egypt.
- 8:50 - 9:10 a.m. New approaches for the university-industry interactions: the case of new materials
Luigi Nicolais, Professor and Chairman, Department of Materials and Production Engineering, University of Naples, and Gianfranco Carotenuto of the Institute for Composite Material Technology of the National Research Council of Italy.

Thursday, 2 November 2000 (continued)

- 9:10 - 9:30 a.m. Strengthening the regional dimensions in seed industry development
Michael Turner, Head, and Zewdie Bishaw, Seed System Specialist, Seed Unit, International Center for Agricultural Research in the Dry Areas.
- 9:30 - 9:50 a.m. “Intelligent manufacturing systems”: a case study of global collaborating initiative for research and development
Akram El-Tannir, Assistant Professor, American University of Beirut, Lebanon.
- 9:50 - 10:10 a.m. Environmental initiatives under the Mediterranean Strategic Action Plan
Fouad Abousamra, Programme Officer, UNEP, Greece.
- 10:10 - 10:25 a.m. Flexible maritime marketplace
Yousry El-Gamal, Vice President for Education and Research, Arab Academy for Science and Technology and Maritime Transport, Egypt.
- 10:25 - 10:50 a.m. Discussion.
- 10:50 - 11:10 a.m. Break.
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| 11:10 a.m - 12:40 p.m. | Session V.a: Incubators and Science Parks
<i>Chairperson: Marco Baccanti, Secretary: Omar Bizri</i> | 11:10 a.m. - 12:25 p.m. | Session V.b: Initiatives to Promote Innovation: Enhancing CBFs
<i>Chairperson: Riccardo Galli, Secretary: Mansour Farah</i> |
|------------------------|---|-------------------------|---|
- 11:10 - 11:30 a.m. The evolving role of academia in the UK: case studies of technological partnership with Industry
Muthana Jabbar, Professor, Middlesex University, United Kingdom.
- 11:10 - 11:35 a.m. ICT: a medium for SMEs entry into the global market
Nader Ghazal, General Manager, Total Quality Consultants, Lebanon.
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| 11:30 - 11:50 a.m. | BERYTECH, a technology park in Lebanon
<i>Maroun Asmar, Dean of the Faculty of Engineering, Université Saint-Joseph and Fady Rahmé, General Manager, Asda'a, Lebanon.</i> | 11:35 a.m. - Noon | Core business functions for new small and medium enterprises in production and service sectors
<i>Georges Nicolas, CSRD Director, Lebanese American University, Lebanon.</i> |
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|-------------------------|--|-------------------|---|
| 11:50 a.m. - 12:10 p.m. | Internet and technology incubation in the Arab world
<i>Wissam El Solh, Manager, Netakeoff Incubators, Lebanon.</i> | Noon - 12:25 p.m. | Technological change and core business functions in manufacturing enterprises: the case of HRD and production
<i>Toufic Mezher, Associate Professor, American University of Beirut, Lebanon.</i> |
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- 12:10 - 12:40 p.m. Discussion.
- 12:40 - 2:00 p.m. Lunch.

Thursday, 2 November 2000 (continued)

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| 2:00 - 3:30 p.m. | Session VI.a: Technology Initiatives for Women
<i>Chairperson: Ghinwa Jalloul, Secretary: Omar Bizri</i> | 2:00 - 3:30 p.m. | Session VI.b: Initiatives to Promote Innovation: Enhancing CBFs
<i>Chairperson: Munther Masri, Secretary: Mansour Farah</i> |
| 2:00 - 2:20 p.m. | Technology and women: strategies between local actuality and global virtuality
<i>Seta B. Dadoyan, Professor, American University of Beirut, Lebanon.</i> | 2:00 - 2:30 p.m. | Identifying, mapping, and improving core business functions of SMEs in the ESCWA member countries
<i>Nader Ghazal, General Manager, Total Quality Consultants, Lebanon.</i> |
| 2:20 - 2:40 p.m. | ICT: new ways for women participation in development
<i>Najat Rochdi, General Affairs Director, Cooperation and IT Development, Ministry of Post and Information Technology, Morocco.</i> | 2:30 - 3:30 p.m. | Panel discussion on core business functions
<i>Nader Ghazal, Toufic Mezher, Georges Nicolas, Pierrette Zouein.</i> |
| 2:40 - 3:30 p.m. | Panel discussion on technology initiatives for women
<i>Ghinwa Jalloul, Najat Rochdi, Salwa Baassiri, Seta Dadoyan, Mona Khalaf.</i> | | |
| 3:30 - 3:50 p.m. | Break. | | |
| 3:50 - 5:40 p.m. | Session VII: Science and Technology Initiatives in Selected Arab Countries (3)
<i>Chairperson: M.Y. Mohamed Moursy, Secretary: Omar Bizri</i> | | |
| 3:50 - 4:05 p.m. | Lebanese/NCSR incubator project
<i>Mouin Hamzé, Secretary-General, Lebanese National Council for Scientific Research, and Mohammad Mrayati, Regional Adviser for Science and Technology, ESCWA.</i> | | |
| 4:05 - 4:20 p.m. | Initiatives for science and technology capacity-building in Tunisia
<i>Mohamed Rached Boussema, Director for Prospective, Planning and Evaluation, Secretariat of State for Scientific Research and Technology, Tunisia.</i> | | |
| 4:20 - 4:35 p.m. | National action plan: Moroccan information society
<i>Najat Rochdi, General Affairs Director, Cooperation and IT Development, Ministry of Post and Information Technology, Morocco.</i> | | |
| 4:35 - 4:50 p.m. | Sectoral initiatives in the Maghreb countries
<i>Abdelkader Djeflat, Associate Professor, University of Lille, France.</i> | | |
| 4:50 - 5:05 p.m. | National science and technology initiatives in Syria
<i>Ihssan Shureiteh, Professor, Tishreen University, Syrian Arab Republic.</i> | | |
| 5:05 - 5:20 p.m. | The Arab Science and Technology Foundation: an overview
<i>Abdalla Alnajjar, President, Arab Science and Technology Foundation.</i> | | |
| 5:20 - 5:40 p.m. | Discussion. | | |

Friday, 3 November 2000

8:30 - 10:30 a.m. **Session VIII: Design and Implementation of Future Initiatives for Science and Technology Capacity-Building and Innovation Promotion**
Chairperson: Samuel Garrett-Jones, Secretary: Omar Bizri

8:30 - 9:00 a.m. Modern trends in the management of science and technology parks
Marco Baccanti, Vice President, International Association of Science Parks.

9:00 - 9:30 a.m. Knowledge management in research and technology organizations
Omer Kaymakçalan, President, World Association of Industrial and Technological Research Organizations.

9:30 - 10:00 a.m. Major initiative in implementing science and technology strategies - Science and technology parks, incubators and innovation centres
Mohammad Mrayati, Regional Adviser for Science and Technology, ESCWA.

10:00 - 10:30 a.m. Technology parks and incubators in the ESCWA member countries: models and criteria
Technology Section, ESCWA.

10:30 - 11:30 a.m. **Session IX: Panel Discussion on Formulation and Implementation of National Initiatives**
Chairperson: Vincent McBrierty, Secretary: Omar Bizri

Panelists: Abdelkader Djeflat, Marco Baccanti, Omer Kaymakçalan, Ghinwa Jalloul, Wissam El Solh, Karim Tahboub

Issues for discussion under the following headings:

- (1) S and T policy initiatives;
- (2) Technological capacity-building initiatives;
- (3) Sector/discipline specific initiatives;
- (4) Partnerships in capacity-building;
- (5) New institutional forms in capacity-building: technology parks, incubators, innovation centres, industry-technology clusters, and so on.

11:30 a.m. - 12:30 p.m. Break.

12:30 - 3:30 p.m. **Closing Session**
Chairperson: Ahmad. Farahat, Secretary: Omar Bizri
Panelists: Mouin Hamzé, Tarek Shawki, Imad Moustapha

12:30 - 12:45 p.m. Review of recommendations.

12:45 - 1:15 p.m. Discussion.

1:15 - 1:30 p.m. Conclusion.

Annex II

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Annex III

LIST OF DOCUMENTS

Symbol	Title
E/ESCWA/TECH/2000/WG.1/2	Research and development institutes and industry: the Egyptian experience (<i>Nabil Saleh</i>)
E/ESCWA/TECH/2000/WG.1/3	Development of science and technology capacity-building in Kuwait Institute for Scientific Research (<i>Abdulhadi Al-Otaibi</i>)
E/ESCWA/TECH/2000/WG.1/4	Initiatives for science and technology parks in Kuwait (<i>Salah Al-Mazidi</i>)
E/ESCWA/TECH/2000/WG.1/5	Initiatives for science and technology capacity-building in Tunisia (<i>Mohamed Rached Boussema</i>)
E/ESCWA/TECH/2000/WG.1/6	BERYTECH, a technology park in Lebanon (<i>Maroun Asmar</i>)
E/ESCWA/TECH/2000/WG.1/7	Technical infrastructures and bridging institutions: New roles within national innovation systems (the case of SERVITEC) (<i>Riccardo Galli</i>)
E/ESCWA/TECH/2000/WG.1/8	Science and technology policy initiatives in the Americas (<i>Nicholas Vonortas</i>)
E/ESCWA/TECH/2000/WG.1/9	Initiatives undertaken to promote dissemination, implementation and development of science and technology in Egypt (<i>Mohamed Yousry Mohamed Moursy</i>)
E/ESCWA/TECH/2000/WG.1/10	The evolving role of academia in the United Kingdom: case studies of technological partnership with industry (<i>Muthana Jabbar</i>)
E/ESCWA/TECH/2000/WG.1/11	ICT: a medium for SMEs entry into the global market (<i>Nader Ghazal</i>)
E/ESCWA/TECH/2000/WG.1/12	Identifying, mapping, and improving core business functions of SMEs in the ESCWA member countries (<i>Nader Ghazal</i>)
E/ESCWA/TECH/2000/WG.1/13	National science and technology initiatives for ESCWA member countries: lessons from the south and east Asian region (<i>Samuel Garrett-Jones</i>)
E/ESCWA/TECH/2000/WG.1/14	Environmental initiatives under the Mediterranean Strategic Action Plan (<i>Fouad Abousamra</i>)
E/ESCWA/TECH/2000/WG.1/15	Major initiatives in implementing S and T strategies: S and T parks, incubators, and innovation centres (<i>Mohammad Mrayati</i>)
E/ESCWA/TECH/2000/WG.1/16	New approaches for the university-industry interactions (<i>Luigi Nicolais</i>)

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E/ESCWA/TECH/2000/WG.1/17	Knowledge management in research and technology organizations: policies and practices to make RTOs competitive in the 21 st century (<i>Omer Kaymakçalan</i>)
E/ESCWA/TECH/2000/WG.1/18	Technological change and core business functions in manufacturing enterprises: the case of HDR and production (<i>Toufic Mezher</i>)
E/ESCWA/TECH/2000/WG.1/19	“Intelligent manufacturing systems”: a case study of global collaborating initiative for research and development (<i>Akram El-Tannir</i>)
E/ESCWA/TECH/2000/WG.1/20	Internet and technology incubation in the Arab world (<i>Wissam El Solh</i>)
E/ESCWA/TECH/2000/WG.1/21	Initiatives for science and technology capacity-building in Jordan (<i>Munther Masri</i>)
E/ESCWA/TECH/2000/WG.1/22	Science and technology initiatives: the case of Palestine (<i>Marwan Awartani</i>)
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E/ESCWA/TECH/2000/WG.1/24	Flexible maritime marketplace (<i>Yousry El-Gamal</i>)
E/ESCWA/TECH/2000/WG.1/25	Modern trends in the management of science and technology parks (<i>Marco Baccanti</i>)
E/ESCWA/TECH/2000/WG.1/26	Strengthening the regional dimensions in seed industry development (<i>Michael Turner</i>)
E/ESCWA/TECH/2000/WG.1/27	Initiatives for S and T capacity-building in Maghreb countries (<i>Abdelkader Djeflat</i>)
E/ESCWA/TECH/2000/WG.1/28	Technology and women: strategies between local actuality and global virtuality (<i>Seta Dadoyan</i>)
E/ESCWA/TECH/2000/WG.1/29	Initiatives for science and technology capacity-building in the Kingdom of Saudi Arabia: past experience and future development (<i>Abdullah Al-Rasheed</i>)
E/ESCWA/TECH/2000/WG.1/30	Science and technology initiatives in ESCWA member countries (<i>Vincent McBrierty</i>)
E/ESCWA/TECH/2000/WG.1/31	Science/technology parks and incubators in the ESCWA member countries: models and criteria (<i>Mansour Farah</i>)
	The role of universities in promoting capacity-building in science and technology (<i>Haseeb Bashi</i>)
	Lebanese NCSR incubator project (<i>Mouin Hamzé, Mohammad Mrayati</i>)

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	National action plan: Moroccan information society (<i>Najat Rochdi</i>)
	National science and technology policy initiatives in Syria (in Arabic) (<i>Ihssan Shureiteh</i>)
	The Arab Science and Technology Foundation: an overview (<i>Abdalla Alnajjar</i>)
	Core business functions for new small and medium enterprises in production and service sectors (<i>Georges Nicolas</i>)
	ICT: new ways for women participation in development (<i>Najat Rochdi</i>)