



2004 Technology Fair of the Future

Forum on technology trends and needs in global value chains

Description:

The forum on technology trends and needs in global value chains, a component of the Technology Fair, will consist of a number of interactive dialogues on important science and technology issues. The dialogues will give opportunities to the different stakeholders from developing and least developed countries to present their technology needs, to identify mechanisms to match needs and trends and to determine their potential role in global value chains. The Forum offers also practical information on how to set up and manage innovative enterprises to operate in regional and global markets.

Schedule: Presentations and Panels

Day 1 Monday 14th June

Presentations on Energy/Environment:

Coordinador:	Ricardo Seidl da Fonseca, UNIDO
9:00-9:20	ELZACO Ltd., Czech Republic
9:30-9:50	Instituto de Pesquisas Tecnologicas, IPT, Brazil
10:00-10:20	CENTRE FOR DEVELOPMENT & TRASFER OF TECHNOLOGY, Tanzania
10:30-10:50	Lenenergo, Russia
11:00-11:20	Instituto Colombiano para el Desarrollo de la Ciencia y la Tecnologia "Francisco José de Caldas", Colciencias, Colombia
11:30-11:50	3GEO COLLET E ARAUJO LTDA, Brazil
12:00-12:20	SYNERGIE, Senegal
12:30-12:50	Sociedade do Sol, SoSol, Brazil
13:00-13:20	CECIC Blue-Sky Investment Consulting & Management Co., Ltd., CECIC, China

Day 2 Tuesday 15th June

Presentations on Biotechnology/Agro-Food/Medicine:

Coordinador:	Ricardo Seidl da Fonseca, UNIDO
9:00-9:20	Centro de Investigaciones y Desarrollo Científico, CIDC, Colombia
9:30-9:50	Nyala Shoes and Leather Company, Ethiopia
10:00-10:20	Embrapa Brazilian Agricultural Corporation, Embrapa, Brazil
10:30-10:50	BIOEXTIN LTDA, Brazil
11:00-11:20	iCell Therapeutics Inc., Canada
11:30-11:50	Ravindra M.Patel & Co., India
12:00-12:20	Istituto Zooprofilattico Abruzzo e Molise "G.Caporale", Italy
12:30-12:50	RURAL WORLD RESOURCES INTERNATIONAL, Cameroon
13:00-13:20	INTERNATIONAL CENTER FOR GENETIC ENGINEERING AND BIOTECHNOLOGY, ICgeb, Italy

Panel (14:30-17:30): Global Value Chains and Networks: Opportunities or Challenges

Spreading of global value chains and production networks creates opportunities for developing-country producers to upgrade their technological and industrial capabilities and to integrate into the global economy. Linking to global value chains and production networks can provide better access to the skills, knowledge and technology of leading players as well as to the global markets they are serving. But reaping the benefits from participation in this new business formations is not free from challenges as characteristics of particular value chains and production networks, their organization and dynamics, the strategies of the leading players in them, as well as international rules and regulation, all may affect the process of technological upgrading by developing country firms. This panel will address these opportunities and challenges of technological upgrading within global value chains and production networks.

Chairperson: Sergio B. Varella Gomes, BNDES, Brazil

Moderator: Olga Memedovic, Strategic Research and Economics Branch, UNIDO

Speakers: Mike Morris, University of Natal, South Africa
Technology Needs in Global Value Chains

Afonso Fleury, University of São Paulo, Brazil
Technology upgrading through participating in global or regional value chains and production networks: Experience of Brazil, and Latin America in general

Gabriel Sánchez, Fundación Instituto de Capacitación en Negociaciones Internacionales, Argentina
The measurement of fragmentation - The Argentinean experience

João Furtado, State University of São Paulo, Brazil
Technology upgrading through participating in global or regional value chains and production networks: Experience of Brazil

Sanjaya Lall, Oxford University, United Kingdom
Issues of fragmentation in Latin America in electronics and automobiles

Day 3 Wednesday 16th June

Presentations on ICT:

Coordinador: Ricardo Seidl da Fonseca, UNIDO
9:00-9:20 EMBRIA TECHNOLOGIES, EMBRIA, Brazil
9:30-9:50 E-Biz Solution Consultoria e Solucoes Tecnologica Ltda, E-Biz Solution, Brazil
10:00-10:20 Instructional Design, Brazil
10:30-10:50 ORCL SISTEMAS LTDA, Brazil
11:00-11:20 WiNGS Telecom LTDA, Brazil
11:30-11:50 C&S Informatica e Multimidia Ltda, Brazil
12:00-12:20 ASJB Consultoria, Brazil
12:30-12:50 Porto Digital, Brazil
13:00-13:20 Kemel, Brazil

Panel (14:30-17:30): Technology trends: Foresight results

Intensified globalization and competition are making the global business context highly dynamic. This calls for identifying the emerging new technologies with the highest potential to contribute to the economic and social advancements of a country. This in turn requires a systematic foresight of the long-term trends in development of science, technology and socio-economic needs based on a wide participation of major stakeholders from the governments, academia, industry and NGOs. Technology Foresight is a useful tool that can underpin the process of strategy and policy formulation, planning and decision-making in different sectors of the economy and for identifying national priorities for the proper allocation of resources for science and technology development. The panel will address the lessons of experience with the Technology Foresight programs followed in different countries.

Chairperson: Roberto Jaguaribe, Ministry for Development, Industry and Trade, Brazil

Moderators: Herbert Kroell, Ambassador, Austrian Foreign Ministry, Austria
Olga Memedovic, UNIDO

Speakers: Henning Banthien, IFOK Institute, Germany
Technology Foresight in Germany

Karel Klusacek, Technology Center, Czech Republic
Technology Foresight in Central and Eastern Europe

Carlos Cristo, Ministry of Development Industry and Trade, Brazil
Foresight for productive chains - The Brazilian experience

Ricardo Seidl da Fonseca, UNIDO
UNIDO Foresight Initiative

Lelio Fellows, CGEE, Brazil
Technology trends in Brazil - Results of Prospectar

Day 4 Thursday 17th June

Presentations on ICT:

Coordinador: Ricardo Seidl da Fonseca, UNIDO
9:00-9:20 CPM, Brazil
9:30-9:50 Brazsat Comercial Space Services- Ipstar di Brasil, Brazsat, Brazil
10:00-10:20 Compuetra Ltda, Compuetra, Brazil
10:30-10:50 Uniprest Ltda, Devpipe, Brazil
11:00-11:20 Ivoxcorp, Brazil
11:30-11:50 Confirm Solucoes em Sistemas e Documentos Digitalizados Ltda, CONFIRM workflows, Brazil
12:00-12:20 Axetel, Romania
12:30-12:50 APPI Tecnologia S/A, APPI, Brazil
13:00-13:20 Leme Informatica S.A., Brazil

Panel (14:30-17:30): Technology Parks: Their future in developing countries

Technology Parks are important tool for facilitating economic learning and catching-up and can therefore contribute to the technological and industrial capability building of a country. Through providing physical infrastructure, technology-transfer initiatives and the knowledge-intensive business support services, technology parks encourage and support the start-ups, incubation and development of the innovation- and knowledge-led

enterprises. And, through providing an environment where international businesses can develop formal and operational links with local businesses and knowledge centres, like universities, technology institutes, and research organizations, technology parks support the process of leveraging new knowledge and technologies for economic development. The panel will discuss to what extent this instrument can be further promoted in developing countries and economies in transition.

Chairperson: Reinaldo Dias Ferraz de Souza, Ministry for Science and Technology, Brazil

**Moderators: José Luis Fiates, Anprotec, Brazil
Olga Memedovic, UNIDO**

**Speakers: Mustafa Atilla, Ankara Cyberpark at Bilkent University, Turkey
*Role of Cyberpark in enhancing Turkey competitiveness***

**Nalin Kohli, Terabyte Informatics Pvt.Ltd., India
*Experience and perspective of India technology parks***

**Sergio Risola, CIETEC, Brazil
*Role of CIETEC in promoting new energy technologies in Brazil***

**Erney Camargo, CNPq, Brazil
*Perspectives for science parks in Brazil***

**Claudio Marinho, Government of Pernambuco, Brazil
*Future concepts for the Port Digital Technology Park***

Day 5 Friday 18th June

Presentations on Materials/Nanotechnology/Aero:

Coordinador:	Ricardo Seidl da Fonseca, UNIDO
9:00-9:20	Hacettepe University, Turkey
9:30-9:50	Aerospace Technology Centre, IEAV, Brazil
10:00-10:20	Universidad Nacional de Colombia Sede Manizales, UNALMZL, Colombia
10:30-10:50	Beijing Air Traffic Control Engineering and Technology Co., Ltd, Beijing ATC Company, China
11:00-11:20	Area Quimica Ltda, Brazil
11:30-11:50	Gisplan Tecnologia da Geoinformacao, Gisplan, Brazil
12:00-12:20	ICS-UNIDO-International Centre for Science and Technology, Italy
12:30-12:50	Coordinación de Universidad Abierta y Educación a Distancia-UNAM, CUAED, Mexico
13:00-13:20	SENAI, Brazil

Panel (14:30–17:30): Future of innovative enterprises: Local or global markets

Building technological capabilities is a long, costly and risky learning process, which largely depends on enterprises' innovative abilities to accelerate acquisition of new technologies, upgrade them over time and ultimately create new technologies—in other words to innovate and to learn in a broad sense. This panel will discuss the lessons of experience of innovative enterprises from different countries on challenges they are facing when moving to participate in regional and global economy.

Chairperson: Odilon do Canto, FINEP, Brazil

**Moderators: Mongi Hamdi, UNCTAD
Olga Memedovic, UNIDO**

Speakers: **Fernando Reinach, Votorantin Novos Negócios, Brazil**
Role of Votorantin in promoting new markets for innovative companies

Americo Craveiro, Valleé, Brazil
Future markets for innovative enterprises in developing countries

**Jean-Marie Leclerc, Centre des Technologies de l'Information,
République et Canton de Genève, Geneva, Switzerland**
Future markets for innovative enterprises in the information sector

Jorge Yutronic, Conicyt, Chile
Promoting innovative enterprises in Chile

Panelists:

Sergio B. Varella Gomes, BNDES, Brazil

Since 1998 at the Brazilian Development Bank, BNDES, his career has involved the assessment of transportation projects (air, rail and maritime navigation) and more recently incentives to technological developments to be fostered by BNDES. Mr. Varella Gomes holds a BSc degree in Aeronautical Engineering from Instituto Tecnológico de Aeronautica in 1978, an MSc degree in Aircraft Design and a PhD in Flight Dynamics both from Cranfield University UK in 1982 and 1991 respectively. He started his career at the Institute of Civil Aviation dealing with airport planning and assessing the environmental impact of aircraft operations on the airport's vicinity. At that position, Mr. Varella Gomes was also in charge of assessing the technical, environmental and economic feasibility of various modes of transportation in conjunction with air transportation with a view towards the economic development of the Amazon region. During and after his PhD in England, Mr. Varella Gomes helped develop the technology of the modern airship for surveillance and cargo transportation and his work at Westinghouse Airships as an aerodynamicist and flight test engineer encompassed both theoretical and experimental development work in connection with the Sentinel 1000 airship.

Olga Memedovic, Strategic Research and Economics Branch, UNIDO

Olga Memedovic is Economist in the Strategic Research and Economics Branch at the UNIDO. She is responsible for the Sectoral Surveys and Working Papers focusing on the global value chain approach and is a coordinator of research on Policy Choices in the New Economic Order in the UNIDO Research Agenda for 2004-2007. Before joining the UNIDO in 2000 she worked at the Netherlands Economic Institute and Tinbergen Institute in the Netherlands. She holds a Ph.D. degree in economics from the Erasmus University in Rotterdam, Netherlands. She has a wide experience in the field of international trade and development and has various publications on international trade, international economics and economic development. Her publications cover the topics of theory and measurement of comparative advantages, multilateralism and regionalism, globalization of labour markets, transition economies, and globalisation of industry and prospect for industrial upgrading by developing countries. Memedovic's research interest deals with industrial specialization of countries; benchmarking in international trade; comparative and competitive advantage of nations; globalization of production systems and industrial upgrading of developing countries; globalization of labour markets and industrial policy.

Mike Morris, University of Natal, South Africa

Mike Morris is Research Professor in the School of Development Studies, University of Natal, South Africa. He was founder and Head of the School of Development Studies at the University of Natal until 2002 – now the largest and premier research, teaching and policy centre on development studies in Southern Africa. For much of the 1990s he was also the Director of the Centre for Social and Development Studies. He also heads the Industrial Restructuring Project, which undertakes policy research and assists government and enterprises. He holds a Ph.D. degree from the Institute of Development Studies at the University of Sussex. Prof Morris' major academic activities have centred on research, policy work for governments, assistance to firms, developing training materials, and undertaking various training programs, primarily for government and management but also for trade unionists. He was a founding editor of the Journal *Transformation* and is currently member of the editorial board of *Development Southern Africa*, and editor-at-large for *Capitalism, Nature and Society*. In terms of international policy activities, Prof Morris has worked with the International Trade Centre in Geneva, assisting with their programmes on export promotion and global value chains.

Afonso Fleury, University of São Paulo, Brazil

Afonso Fleury is Professor at the Production Engineering Department, University of São Paulo, Head of the Department and President of the Vanzolini Foundation, created and managed by the staff of the Department. He holds a Ph.D. degree in Production Engineering from the University of São Paulo in 1978. His Areas of interest are work design, operations management, technology management, international operations management, industrial policy. He participated in various research projects in international organizations. He has published "Entrepreneurial strategies and competence building: deciphering the puzzle of the Brazilian industry", (in Portuguese). Editora Atlas, 2000.

Gabriel Sánchez, Fundación Instituto de Capacitación en Negociaciones Internacionales, Argentina

Gabriel Sánchez is currently the Director- General of the Fundación ICANI in Buenos Aires and Vice-President and Research Director of IERAL. Previously, he held positions at the IMF, and was consultant for the IADB, UNIDO and the World Bank. His areas of research include international trade; international fragmentation of production; industrial development; firm and productivity dynamics. Mr. Sánchez has a large number of publications on these subjects. He has presented his research at top Universities and Conferences worldwide. Gabriel Sánchez obtained his Ph.D. in Economics in 1997 from the Columbia University, New York, N.Y. and his B.S. in Economics in 1989 from the National University of Córdoba, Argentina. He has been Professor of Economics at Columbia University and at Universitat Pompeu Fabra in Barcelona-Spain.

João Furtado, State University of São Paulo, Brazil

João Furtado is presently professor at the Politechnic School of São Paulo State University. He leads the Industrial Economics Research Group and a Research Network responsible for the Brazilian Observatory to Foster Innovation, sponsored by the Brazilian Innovation Agency (FINEP). Mr. Furtado received his Ph.D. degree in Economy from the University of Paris XIII in 1997.

Sanjaya Lall, Oxford University, United Kingdom

Sanjaya Lall is Professor of Development Economics at the University of Oxford and a Fellow of Green College. He is based at the International Development Centre in Queen Elizabeth House (the department specialising in research and graduate teaching on development). He is the Managing Editor of Oxford Development Studies and the Course Director for the MSc. in Economics for Development at the Oxford University. Professor Lall has published widely in the fields of international investment, technology transfer and indigenous technology development, trade and industrial aspects of industrialisation. His books include Foreign Investment, Transnationals and Developing Countries, with Paul Streeten (1977), The Multinational Corporation (1980), Developing Countries in the International Economy (1981), The New Multinationals (1983), Multinationals, Technology and Exports (1985), Theory and Reality in Development (1986), Learning to Industrialize (1987), Building Industrial Competitiveness in Developing Countries (1990), Current Issues in Development Economics, editor with V. N. Balasubramanyam (1992), Alternative Development Strategies in Sub-Saharan Africa, with Frances Stewart and Samuel Wangwe (1993), Technology and Enterprise Development: Ghana Under Structural Adjustment, (1994), The Technological Response to Import Liberalization in Sub-Saharan Africa (1999), Competitiveness, Technology and Skills (2001) and Failing to Compete: Technology Systems and Technology Development in Africa (2002) with C. Pietrobelli. He was a staff member of the World Bank during 1965-68 and 1985-87 and has acted as advisor and consultant to many organisations, including the World Bank, IFC, UNCTAD, ILO, UNIDO, FAO, UNICEF, Asian Development Bank, Inter-American Development Bank, African Development Bank, the UN Centre on Transnational Corporations, ESCAP, OECD, ECLAC, European Commission, INTECH, WIDER and the Commonwealth Secretariat. His research has ranged over South Asia, East Asia, the Middle East, Africa, Eastern Europe and Latin America. He is principal consultant to UNCTAD on its World Investment Report and to UNIDO on its Industrial Development Report.

Roberto Jaguaribe, Ministry for Development, Industry and Trade, Brazil

Roberto Jaguaribe is Secretary of Industrial Technology. He worked as Prime-Secretary in the Brazilian Embassy in Montevideo, as Chief of the political sector. He was Second-Secretary of the Mission Permanent of Brazil before the United Nations in New York, acting within the 5th Comittee (Budget's Administrative and Financial Business) and in the 2nd Committee (Economical and Social Business). He was representative in the Committee of Planning and Coordination and in Administratives Councils of a variety of operational agencies of UM, as PNUD, UNICEF, FNUAP, among others.

He is former Secretary of Foreign Affairs of the Ministry of Planning and Budget of Brazil. In the Ministry of Foreign affairs, he was the Director General of the Department of Commercial promotion, Chief of the Division of Intellectual Property and Sensible Technologies, Technical Coordinator of the Department of Administration and Advisor of the Chief of the Division of Immigration. He was the Coordinator of the Inter-Ministerial Group on Intellectual property for multilateral commercial negotiations in Uruguay.

Mr. Jaguaribe was Counsellor in the Permanent Delegation of Brazil in Geneva, where he worked as a representative in negotiations and conferences, as following: General Agreement of Tariffs and Trade (GATT); World Intellectual property Organization (WIPO); Disarming Conference.

Herbert Kroell, Ambassador, Austrian Foreign Ministry, Austria

Herbert Kroell is presently Director for Multilateral Development Policy in the Austrian Foreign Ministry. He was Chairman of the EURO-MED Committee for the Barcelona Process, Negotiator for the EU-ACP Cotonou Convention and Co-ordinator for the Third EU-SADC Ministerial-Conference. From 1994 - 1997 Dr. Kroell was Ambassador of Austria in Israel and with Palestinian Authority from 1989 – 1993; he was Austrian Ambassador in Indonesia, accredited to Vietnam and Cambodia.

Henning Banthien, IFOK Institute, Germany

Henning Banthien is since 1999 full-time project-manager at IFOK, Head of the Unit "Research and Innovation Policies, Education" and Head of the Berlin Office of IFOK. He is member of the VDI-Panel on innovation networks (VDI = Verein Deutscher Ingenieure, i.e. Association of German Engineers) and member of the "High Level Expert Group on regional Foresight" of the EU-Commission. On behalf of the German Federal Ministry for Research and Education He is Head of the national Foresight-Process Futur. Mr. Banthien's main fields of work are Design and management of innovation networks, Regional development, Foresight, Virtual communication and International cooperation and development.

He has a Magister Artium degree from the Academic Studies of Philosophy, Geography and Environmental Science in Heidelberg, Germany.

Karel Klusacek, Technology Center, Czech Republic

Karel Klusacek received his PhD from the Academy of Sciences in Physical Chemistry and his MBA from the Business School of the Sheffield Hallam University, UK. After 17 years of research in Chemical Reaction Engineering at the Academy of Sciences he was appointed Director of the Technology Centre AS CR. His main professional activities include management of international technology transfer projects, research in technology and science policy and innovation strategies. He is Coordinator of the Czech Foresight Programme.

Carlos Cristo, Ministry of Development Industry and Trade, Brazil

Graduated in Architecture and Urbanism from the University of São Paulo in 1971 Carlos Cristo made his postgraduate studies in Urban and Regional Planning from the Catholic University of Louvain, Belgium, 1977-80. Permanent Collaborator at the "Revista do Serviço Público", invited professor of the Nation School of Public Administration as well as invited speaker in numerous conventions and conferences in Brazil and other countries. Mr. Cristo was Honorary Teacher at the University Ricardo Palma, Lima, Peru in 2003. Ministry of Development from 1999 to 2003, Industry and Foreign Commerce, Department Official of the Secretariat of Industrial Technology, Coordinator of the "Brazilian Programme of Industrial Technological Foresight", Permanent member, as the Ministry representative, of the interministerial comission on "Biodiesel National Programme", Member of the interministerial "ad hoc" group for the implementation of "Amazonian

Biotechnology Center” He is Coordinator of the technical and economic cooperation programme at the Brazil-European Union.

Ricardo Seidl da Fonseca, UNIDO

Ricardo Seidl da Fonseca is Programme Coordinator at the Industry Promotion and Technology Branch of the United Nations Industrial Development Organization (UNIDO). He is responsible for the Technology Foresight Initiative and manager of the Regional Technology Foresight Programmes for CEE and NIS, and Latin America. He graduated in industrial engineering in the Federal University of Rio de Janeiro, Brazil, and post-graduated (Dr.-Ing.) in industrial economics in the Technology University of Munich, Germany. He is Professor in industrial economics and technology policy at the Federal University of Rio de Janeiro, Brazil. Dr. Seidl da Fonseca is a specialist in industrial and technology policy and technology foresight. Before joining UNIDO, he worked at the Brazilian National Council for Scientific and Technological Development (CNPq), the State Secretary of Industrial Technology (STI/MIC) and the Agency for Projects Financing (FINEP).

Nalin Kohli, Terabyte Informatics Pvt.Ltd., India

Nalin Kohli is currently Chairman & C.E.O. of Terabyte Informatics Pvt. Ltd. and Director of SIDBI Venture Capital Ltd. & India Trade Promotion Organization. He has over 28 years top management experience in Semi-conductor/I.T. Hardware Manufacturing, I.T. Services & Venture Capital industries. Mr. Kohli obtained his Bachelor's Degree in Mechanical Engineering and a Master's Degree in Business Administration with specialization in Finance & Marketing. He is a Fellow of the Institution of Electronics & Telecommunication Engineers. He serves on important Industry Association & Government Committees and is currently Vice-Chairman of Electronics & Software Export Promotion Council (ESC) and is a Member of the Governing Board of Software Technology Parks of India(STPI) and the National Institute of Design(NID).

Sergio Risola, CIETEC, Brazil

Sergio Wigberto Risola is the founder of the biggest business incubator in Brazil, CIETEC, the Technology-Based Business Incubator Center, where he holds the position as a Manager. He has a degree in Law and extension in Business Administration. He started his professional career as an Attorney at the Brazil Central Bank. Owing to his broad experience with business and professional associations, he has developed skills in formalizing and conducting them administratively, technically and institutionally. His longest experience was at ANFACER – The Brazilian Association of Ceramic Tile Manufacturers, where he worked for 22 years as an Executive Director and President as well. He also helped develop the fundamentals which gave rise to the creation of MERCOSUL. He has been recently elected President of the São Paulo Incubators Network.

Mongi Hamdi, UNCTAD

Mongi Hamdi is Chief of the Science and Technology at the United Nations Conference on Trade and Development (UNCTAD) and Secretary to the United Nations Commission on Science and Technology for Development. Prior to joining UNCTAD, Mr. Hamdi worked as an Economic Affairs Officer in the Department of International Economic and Social Affairs of the United Nations Secretariat in New York. He was one of the main authors of the World Economic and Social Survey. Mr. Hamdi holds a Master of Science and a Ph.D. in Engineering from the University of Southern California and a Certificate in Macroeconomic Policy and Management from the Harvard University. He has written widely on science, technology, environment and energy.

Fernando Reinach, Votorantin Novos Negócios, Brazil

Fernando Reinach is General Partner of Votorantim Ventures. Before joining Votorantim Ventures, he was Chief Technology Officer and one of the founders of ComDominio, a data center service provider established in 1999. Fernando is also founding partner of Genomic Engenharia Molecular, one of the first medical lab companies to apply genetic-based paternity tests in Brazil.

Parallel to his entrepreneurial activities, Fernando has been a leading academic researcher in the field of Genomics in Brazil. He was a founder and coordinator of the Brazilian Genome Project, a multi-institution research initiative that led to the sequencing of the genomes of the bacteria *Xilella fastidiosa* and *Xanthomonas citri*. Fernando holds a bachelor degree in Biology from University of São Paulo, with Ph.D. in Cellular and Molecular Biology from Cornell University Medical College.

Jean-Marie Leclerc, Centre des Technologies de l'Information, République et Canton de Genève, Geneva, Switzerland

Jean-Marie Leclerc is Director- General of the Centre of Information's Technologies (CTI) in the State of Geneva (Etat de Genève) since March 2001. He holds his Ph.D. degree from the University of Compiègne, Paris. He dedicated his Thesis to the conception of information's systems in decentralized and pluridisciplinary environments. Mr. Leclerc has different International mandates, particularly in the field of development of information science, related to health systems. He is lecturer at the Neuchâtel's University and various Schools of engineer in Telecommunication and Management in Switzerland. He has developed multilateral exchanges among public administrations, especially in the region of Neuchâtel (inter-administration project) in Switzerland.

Jorge Yutronic, Conicyt, Chile

Jorge Yutronic Fernandez is currently member of the Executive Committee of the Explora Program of CONICYT for the Diffusion of Science and Technology, Executive Director of the Chilean Fund for Scientific and Technological Development (FONDEF), member of the Board of Directors of the Instituto de Ingenieros de Chile and member of various private companies and University boards. Mr. Yutronic was Manager of the State and Government Division of SONDA and Director of PROSCOM, Organization belonging to the Universidad de Concepción for the Promotion of Technological Projects and Industry. He was director and manager of projects oriented to improve productive processes in mining, industry, information technology transport and telecommunication.