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Career Overview

Alfonso Molina is the Director of the Technology Management and Policy Programme (TechMaPP). He was born in Chile where he trained as Electronic Engineer at the University of Chile. Came to Britain and obtained a M.Phil in Electronic Engineering, University of Bradford. He shifted from engineering to social studies of technology and completed a doctorate at the Science Studies Unit, The University of Edinburgh. His research interests centre on theories of innovation and technology management and strategy, particularly on his original *sociotechnical constituencies* approach, now widely applied to understand and inform the strategic development of a variety of information and communication technologies. A particular interest has been to transform this academic theorisation into instruments of practical application for government and company technology strategies. These include “evolving business plans,” “customised user research,” “trend-mapping” and realtime evaluation methodologies. Alfonso has worked in numerous occasions as advisor and consultant for various directorates of the European Community. He has published numerous books, papers and reports.

Employment

1999 – present	Professor of Technology Strategy Director of TechMaPP
1997 – 1999	Reader in Innovation and Management of Technology
1994 – 1997	Senior Research Fellow

Recent Research and Consultancy Projects

- CEC-DGINFSOC, Public Administrations and e-Commerce in Europe
- CEC-DGEnterprise, Transfer of Cluster Experience in Biotechnology to Southern Countries
- CEC-DGRResearch, Models of Extended Enterprises in Several Sectors
- UK Design Council, Increasing Information Intensity: Towards Intelligent Products
- CEC DGXIII, European Telematics Horizontal Observatory Service
- CEC DGXIII/DGXVI, Building an Internet-based Tourism Constituency for SMEs in the Less Favoured Regions of Europe
- CEC DGIII, Building a Knowledge-sharing E-business Cluster in West Lothian, Scotland
- SHEFC/Scottish Office, Real-time Evaluation of Connect Scotland
- CEC ALFA, Europe and Latin America National Innovation Systems
- Telecities/Global Bangemann Challenge – Strategy Framework for Global Cities Dialogue
- Evaluation of Overall Multimedia Systems Domain of CEC Framework Programme IV
- Strategic inputs to CEC programmes in microprocessors, multimedia systems, information society, online government, electronic commerce and new organisational practices
- Telematics strategy of the City of Rome

Current and Recent Appointments

- Member of the Strategy Group of Edinburgh Telematix Partnership
- Served as chairman of the Scottish Enterprise's Resources Group of the Creative Content Industries Cluster
- Served as member of the international juries for competitions on Internet, G8 Global Inventory Projects (GIP), and the Stockholm Bangemann Challenge
- Expert consultant to CEC DGXIII in numerous occasions and in various areas of information society
- Presented European position on Electronic Commerce at the EU/U.S.A. inaugural meetings for the Science and Technology Agreement, Washington
- Member of the New York Academy of Sciences
- Member of the finalist international jury of the US Global Information Infrastructure (GII) contest
- Member of the international jury of the ICT Stories contest, IICD and InfoDev, World Bank
- Chairman of the international jury of the Stockholm Challenge Award and former Chairman of the jury the Global Bangemann Challenge, the world-wide international contest of information society projects.
- Chairman of the international jury of the Global Junior Challenge, the global contest of new technology and education projects.
- Wrote strategy for the Global Cities Dialogue and the Declaration of Helsinki "Mayors of the World for a Global Cities Dialogue on the Information Society." The declaration has now been signed by many cities from all over the world.
- Member of the Scientific Committee of the Third Global Forum, Naples, Italy.
- Wrote strategy for the Digital Youth Consortium aiming to stimulate a new educational renaissance for the City of Rome and Lazio Region.
- Wrote strategy document for CEC Framework Programme VI Consultation Meeting on the area of *Technologies for Major Business and Work Challenges*.

Selected Publications

Molina, A., *The Digital Divide and The Stockholm and Rome Challenge*, Third Global Forum: "Fostering Democracy and Development through E-government," 15-17 March 2001, Naples, Italy.

Molina, A., Le défi Global de Stockholm et le défi Global Junior Challenge de Rome, *Les Cahiers du Numérique*, Vol. 2, No. 3, 2001 (forthcoming).

Molina, A. and Kinder, T., National Systems of Innovations, Industrial Clusters and Constituency-Building in Scotland's Electronics Industry in R. E. Lopez-Martinez and A. Piccaluga (eds.), *Knowledge Flows in National Systems of Innovation. A Comparative Analysis of Sociotechnical Constituencies in Europe and Latin America*, Edward Elgar, Cheltenham, UK, 2000, pp.15-55.

Molina, A. [with Kinder, T. and Klaes, M.], Sociotechnical Alignment in the Rise and Evolution of a Telemedicine Constituency in Scotland, *Science and Public Policy*, Vol.26, No.6, pp.415-435.

Molina, A., The Role of the Technical in Innovation and Technology Development: The Perspective of Sociotechnical Constituencies, *Technovation*, 1998, Vol.19, 1999, pp.1-29.

Molina, A., Transforming Visionary Products into Realities: Constituency-Building and Observacting in the Case of NewsPad. *Futures*, Vol.30, No.9, April 1999.

Molina, A., Insights into the Nature of Technology Diffusion and Implementation: The Perspective of Sociotechnical Alignment, *Technovation*, 1997, Vol.17, Nos.11/12, pp.601-626.

Molina, A. NewsPapers: The Slow Walk to Multimedia, *Long Range Planning*, Vol.30, No.2, 1997, pp.218-226.

Molina, A., Innovation in the Context of European R&D Collaborative Programmes: The Case of Multimedia and the Newspaper Industry, *International Journal of Technology Management*, Vol.12, No.3, 1996, pp.271-90.

Molina, A., *Technology and the Making of Europe: The Human Story and Lessons of a Large-Scale Collaboration*, The Office of Official Publications, C.E.C., Luxembourg, 1995.

Molina, A., Sociotechnical Constituencies as Processes of Alignment: The Rise of a Large-Scale European Information Technology Initiative, *Technology in Society*, Vol.17, No.4, 1995, pp.385-412.

Molina, A. In search of insights into the generation of techno-economic trends: Micro- and macro-constituencies in the microprocessor industry, *Research Policy*, Vol.22, Nos.5/6, 1993, pp.479-506.

Molina, A. Transputers and transputer-based parallel computers: Sociotechnical constituencies and the build up of British-European capabilities in information technology, *Research Policy*, No.19, 1990, pp.309-333.

Molina, A., *The Social Shaping of the Microelectronics Revolution*, Edinburgh University Press, Edinburgh, 1989.