Ramon Sangüesa, PhD

Professor at Universidad Politécnica de Catalunya (UPC).
PhD (Computer Science, UPC).
Master in Science Communication (UPF).
Senior Fellow at Strategic Innovation Lab (Ontario College of Art and Design, Toronto). Affiliated faculty Center for Innovation Organization, Columbia University, (NYC, USA).
Linkedin Profile:
http://www.linkedin.com/in/ramonsanguesa

Curriculum Vitae

Personal statement: **from artificial intelligence to social (digital) innovation**

I started in the area of Artificial Intelligence. There, the work of Herbert Simon, made me shift my focus slowly from technology to organization and design. I explored the agent paradigm, and specifically I used agent-based social simulation to study the interplay between collaboration, innovation, networks and emergence. This opened up a whole world of interdisciplinary work. I have interacted with scholars and practitioners from very different disciplines, such as Economy, Sociology, Organizational Behaviour and Design. My present interests are mainly in the creation and study of innovation dynamics, collaboration, and the emergence of collaborative design networks. I am focusing my research on how groups can design together new interaction systems for spawning new design processes, what some call research in *meta*design.

The practice of social (digital) innovation: from centers to platforms and situations

I am one of the three founders of Citilab, an institution in Barcelona, Spain, that connects citizens with research, innovation, and communication. It tries to turn them into active players in each of these areas. It is supported by the Spanish Ministry of Industry. It has been awarded several important international prizes, the last one the Urban Land Institute (ULI) award.

Citilab's goal was to explore new organizational designs and new processes to generate social innovation from, with and for citizens. It used the design practices of the digital culture as its general framework since technological culture is a *design culture*. At Citilab I coordinated all the innovation activities … including the design of new methods of innovation.

My experience at Citilab reinforced my belief that new, innovative, citizen-centric organizations can explore new formats to engage people in cocreation. People really need, want and enjoy building together from their own needs and expertise. I have started to test new formats and interactions based on the concept of *platform* and *public space*. That is, to use current embrionic forms of collective organization already present on the net and to oportunistically take advantage of existing spaces (university campuses, museums, art galleries, technology centers, squares, and other public gathering points). Their function was to concentrate and spawn innovative activities of interest by citizens and for citizens. With the help of Irene Lapuente and the support of several institutions such as the Center for Contemporary Culture in Barcelona, the CoCreating Cultures platform was started very recenty. It explores the processes of collaborative design in science, technology, art and culture. My research is now focused on the "*situation for innovation*" concept which is tightly connected to technological collaborative design practices, digital innovation ecosystems and network creation. It is, in my view, a basic component of metadesign.

Current occupation

Associate Professor at Technical University of Catalonia	UNIVERSITAT POLITÈCNICA DE CATALUNYA BARCELONATECH
Affiliate Faculty, Center for Organization Innovation, University of Columbia, NYC, USA	Center on Organizational Innovation
Senior Fellow, Strategic Innovation Lab, Ontario College of Art and Design (OCAD), Toronto, Canada	s lab
Collaborator, CoCreating Cultures	co-creating cultures

Professional Contact Data
LinkedIn public profile: www.linkedin.com/in/ramonsanguesa
Twitter, Skype, Googletalk: ramonsang
e-mail : sanguesa@lsi.upc.edu (alternative: ramonsang@gmail.com)
Cell phone (USA): + 1 646 369 3318
Cell phone (Spain): +34 616 290 686
Fixed phone (Spain): + 34 934137934

Professional Mail Address (Spain):
Despatx 202e, Edifici K2M
Campus Nord
c/Jordi Girona Salgado, 1-3
08034 Barcelona, Catalonia, Spain

Personal Contact Data
Personal blog: http://fluxchange.typepad.com/en/
e-mail : ramonsang@gmail.com

Personal Mail Address while at USA
560 Riverside Drive, Apt. 10k
New York, 10027 New York

Contact data in Spain
Land Line phone: + 34 932800153
Mail Address:
C/Comandant Llançà, 14
08017 Barcelona, Spain

Date and place of birth: December 11th 1961, Barcelona, Spain
Nationality: Spanish
Marital status: divorced

EDUCATION

- PhD in Artificial Intelligence, Technical University of Catalonia, Barcelona, Spain, 1997. Qualification: Summa Cum Laude.

- Master in Science Communication Studies. Pompeu Fabra University, Barcelona, Spain. 1997.

- Licenciado en Informática, Facultad de Informática de Barcelona. Technical University of Catalonia, Barcelona, Spain, 1989.

ACADEMIC APPOINTMENTS

2000- present date
   University associate professor (tenured) in Computer Science. Software Departament. Technical University of Catalonia.

1994-1997
   - Technical School associate professor (tenured) in Computer Science. Software Departament. Technical University of Catalonia

   - Universitat Oberta de Catalunya (UOC, the Virtual Open University in Catalonia). Barcelona, Spain. Teaching consultant.

1999-2006
   - I2cat Foundation: Founder, Researcher and Coordinator of Applications

1992-1994

   - Technical School associate professor in Computer Science. Tarragona Technical School. Universitat Rovira i Virgili. Tarragona, Spain

1990- 1992
   - Technical School associate professor (tenured in 1992) in Computer Science. Lleida
   - Technical School. University of Lleida. Lleida, Spain.

Academic management posts
   • Vicedean for Innovation and Industrial Relations. Barcelona Computing School. November 2000- November 2006.
   • Academic coordinator for Computing Science and curricula integration. Rovira i Virgili University.Tarragona, Spain. 1992-1994.
   - Academic coordinator for Computing Science and curricula integration. University of Lleida. Lleida, Spain. 1991-1992.

Affiliation with other research Centers
   • Visiting Scholar/Affiliated Faculty. Center for Organization Innovation. Dept. Sociology. University of Columbia, New York. USA. 2007-2009.
   • Senior Fellow. Strategic Research Lab, Ontario College of Art and Design (OCAD), Toronto, Canada. From 2008 on.

EXTERNALLY FUNDED RESEARCH

Years	Name	Focus	Founding	Role
2010-2012	**VOSS: Design Collaborations as Sociotechnical Systems (NSF Award Number: 1025498)**	Study of Virtual Design Organization as Socio Technical Systems (partners: Cornell University, Parsons School of Design, and	National Science Foundation (USA)	Investigator
P2P Learning 2008-2010	**Grupos de autoaprendizaje**	Study of self-organization in learning	Spanish Ministry of Industry	Principal Investigator
Breakout 2009-2010	**Breakout: coworking como espacio ciudadano**	Study of processes to created impromptu collaborative networks in public spaces	Spanish Ministry of Industry	Principal Investigator
2009-2010	**Ciudad Percibida** (Citilab)	Urban process of innovation: the connection of space, ICT and collaborative organizations in cities	Spanish Ministry of Industry	Principal Investigator
2008-2010	**Expolab** From contemplation to participation and beyond	User-led design of STEM exhibitions	Spanish Ministry of Industry Fondo para la educación en Ciencia y Tecnologia, Spanish Ministry of Innovation Tech Museum of Innovation, California, USA	Co-Principal Investigator
2009-2010	**Alive**. Coordination, Organisation and Model Driven Approaches for Dynamic, Flexible, Robust Software and Services Engineering	Collaboration Innovation Networks Virtual organizations ICT Insfrastructure. Artificial Intelliegence	European Union, VII Framework . Program (IST)	Investigator
2006-2009	**Laboranova**, A Collaboration Environment for Strategic Innovation Acceleration of innovation by means of social networks and open future markets	Collaboration Innovation Networks Virtual organizations	European Union, VI Framework . Program (IST)	Investigator
2001-2006	**GridCat** Collaborative technologies merging Grid and Collaboratories	Collaboration Innovation Networks Virtual organizations ICT Insfrastructure. Artificial Intelliegence	I2Cat Foundation Catalan Autonomous Government	Principal Investigator

Years	Name	Focus	Founding	Role
1999-2001	**The Collaboratory** The Collaboratory Collaboration technologies for Scientific Research Communities	Collaboration Innovation Networks Virtual organizations ICT Insfrastructure. Artificial Intelligence	I2Cat Foundation Catalan Autonomous Government	Principal Investigator
1997-1999	**Aiguarium** Sistema de Información Científica . A Platform to study science communication strategies online	Web-based Science communication. New Media. Communities. Interfaces.	Spanish Ministry of Science and Technology	Principal Investigator

PUBLICATIONS

BOOKS

- Lapuente, I. Sangüesa, R.. *From Contemplation to Participation and Beyond: experiences in user-led exhibition design*. (In preparation)

- Fages, R., Sangüesa, R. *EU: State of the art in Good Practice Exchange and Web 2.0*. (2007). Comissioned by epractice and released at the 2007 Lisbon Conference of Ministers. European Comission Setember 2007. Available online here: http://www.epractice.eu/document/3974

- Sangüesa, R. *Guia de les xarxes: del personal al interorganitzacional*. (2006) Diputació de Barcelona. Programa INDRA..

- Sangüesa, R. (coord.), Roma, J., Sanfeliu, A., Villanueva, J. (2005). *Vers una tecnocultura de innovació*. Barcelona, Spain: Cercle pel Coneixement and CIDEM, Generalitat de Catalunya. (A report on innovation, research and future opportunites in Catalonia with a look on the strategic role of collaborative networks)

- Sangüesa, R. and Molina, F. L. C.. (2000). *Data Mining, una Introducció*. 1st edition. Barcelona: Edicions UOC. 150 p. ISBN: 84-8429-094-8

- Cortés, U.; Béjar, J.; Moreno, A.; Gimeno, J.M.; Rodríguez, H.; Belanche, L.A.; Martín, M.; Sánchez, M.; Sangüesa, R.. (1993). *Inteligencia Artificial*. 1 ed. Barcelona, Spain: EDICIONS UPC. 286 p. ISBN: 84-7653-364-0

CHAPTERS IN BOOKS

- Sangüesa, R., "Federating Citizens' Knowledge: a report from the trenches". Proceedings of the Knowledge Federation Conference, 2010. Dubrovnik. To be published in Lecture Notes of Computer Science Series. Springer.

- Sangüesa, R., Lapuente, I.. "Matèria de reflexió, matèria d'exposició. Pensar amb les mans pròpies i dels altres". In *Noves fronteres de la ciència, l'art i el pensament.* Art s Santa Mònica Ciència. Barcelona, Spain (in preparation).

- Isaac Chao, Oscar Ardáiz and Ramon Sangüesa. A Group Selection Pattern for Agent-Based Virtual Organizations Coordination in Grids.Lecture Notes in Computer Science. 0302-9743 (Print) 1611-3349 (Online). Volume 4805/2007. ISBN 978-3-540-76887-6.

- Isaac Chao, Oscar Ardaiz and Ramon Sangüesa. A Group Selection Pattern Optimizing Job Scheduling in Decentralized Grid Markets. Lecture Notes in Computer Science. Springer Berlin / Heidelberg. ISSN 0302-9743 (Print) 1611-3349 (Online). Volume 4805/2007. *On the Move to Meaningful Internet Systems* 2008.

- Isaac Chao, Oscar Ardaiz and Ramon Sangüesa. Social Networking to Support Collaboration in Computational Grids. Lecture Notes in Computer Science. Springer Berlin / Heidelberg. ISSN 0302-9743 (Print) 1611-3349 (Online). *On the Move to Meaningful Internet Systems* 2007: CoopIS, DOA, ODBASE, GADA, and IS. ISBN. 978-3-540-76835-7. Pages 1288-1295.

- Josep M. Pujol, Ramon Sanguesa and Jordi Delgado (2003). A Ranking Algorithm based on Graph Topology to generate Reputation or Relevance. In In Zhong, N., Liu,J. & Yao, Y.Y. (eds.), *Web Intelligence* (pp. 380-394). New York; Springer. ISBN: 3-540-44384-3.

- Roure, J., Larrañaga, P., Sangüesa, R. (2002). An Empirical comparison between K-means, GAs, and EDAs in Partitional Clustering. In Pedro Larranaga and Jose A. Lozano (Eds.) *Estimation of Distribution Algorithms: A New Tool for Evolutionary Computation (Genetic Algorithms and Evolutionary Computation)*. Kluwer Academic; 1st edition. ISBN: 0792374665

- Sangüesa, R. and Pujol, J.M. (2002). NetExpert: Agent-based Expertise Location by Means of Social and Knowledge Networks. In Dieng-Kuntz. R. & Matta, N. (eds), *Knowledge Management and Organizational Memories.* Chapter 14, (pp. 159-168, New York: Springer. ISBN: 0-7923-7659-5.

REFEREED JOURNALS

- Sangüesa, R. La tecnocultura i la seva democratització: soroll, límits i oportunitats dels "labs". *Revista Catalana d'Etnologia*. To be published in June 2011.

-Chao, I., Sanguesa, R., Ardaiz, O., Joita, L., and Rana, O.: Optimising decentralised grid markets through group selection. *Int. J. Web Grid Serv.* 4, 4 (Jan. 2009), 357-366

- Isaac Chao, Ramon Sangüesa and Oscar Ardaiz. A Group Selection Pattern applied to Grid Resource Management. *IEEE Special Issue on Grid Resource Management*, Sept. 2008

- Isaac Chao, Ramon Sangüesa and Oscar Ardaiz. Grid Resource Management using Software Agents- *ERCIM News* No. 59, October 2004, pp. 39-40 ISSN 0926-4981

- Grasa, E., Figuerola, S., Recio, J. López, A., De Palol, M., Ribes, L. Díaz, V., Sangüesa, R. Junyent, G, & Savoie, (2006). Video transcoding in a Grid network with User Controlled LightPaths. *Future Generation Comp. Syst*. 22(8): 920-928 (2006)

- Pujol, J.M., Flache, A., Delgado, J. and Sangüesa, R. (2005). How can Social Networks ever become Complex? Modeling the Emergence of Complex Networks from Local Social Exchanges. *Journal of Artificial Societies and Social Simulation* 8(4)

- Delgado, J., Pujol, J.M. & Sangüesa,R. (2003). Emergence of coordination in scale-free networks. In Zhong, N., Liu,J. & Yao, Y.Y. (eds.), *Web Intelligence and Agent Systems* 1(2): 131-138.

- Sangüesa, R., Cortés., U. (2000). New perspectives on Causal Networks: the first CaNew workshop. *Int. J. Approx. Reasoning* 24(1): 1-10.

- Sangüesa, R., Cortés., U. (2000).: Prior knowledge for learning networks in non-probabilistic settings. *Int. J. Approx. Reasoning* 24(1): 103-120.

- Sangüesa, R., Cortés., U. (2001).: Editorial: Special Issue on causal networks: papers from the Second CaNew Workshop. *Int. J. Approx. Reasoning* 27(2): 95- 97.

- Sangüesa, R., Cabós, J., Cortés., U. (1998).: Possibilistic conditional independence: A similarity-based measure and its application to causal network learning. *Int. J. Approx*. Reasoning 18(1-2): 145-167.

- Sangüesa, R., Cortés., U., Gisolfi, A. (1998) .A parallel algorithm for building possibilistic causal networks. *Int. J. Approx. Reasoning* 18(3-4): 251-270.

- Sangüesa, R., Cortés., U. (1997). Learning Causal Networks from Data: A Survey and a New Algorithm for Recovering Possibilistic Causal Networks. *AI Commun*. 10(1): 31-61.

- Sangüesa, R:. (1997). Museos e Internet : estrategias de comunicación. *Quark*. Revista de ciencia, comunicación y cultura. Núm 8. pp 39-46. ISSN : 1135-8521.

CONFERENCES

- Sangüesa, R. "Federating Citizen's Knowledge: a report from the trenches". At the Knowledge Federation Conference, 2010. Dubrovnik (Croatia), October 3rd-6th, 2010.

- Lapuente, I., R. Sangüesa. "The Expolab Experience on Engaging Users in Exhibition CoDesign Online and Offline". Accepted at the 11th International Conference on the Public Communication of Sience and Technology. New Delhi (India).

- Pujol, J.M., Delgado, J., Sangüesa, R., and Flache, A. "The Role of Clustering on the Emergence of Efficient Social Conventions". Proceedings of the 19th International Joint Conference on Artificial Intelligence, IJCAI-05, (Edinburgh, Scotland), July 2005, pp 965-970, ISBN: 0-938075-93-4.

- Pujol, J.M., Flache, A., Delgado, J. and Sangüesa, R. "The Emergence of Complex Exchange Networks". 24th International Sunbelt Social Network Conference (Portoroz, Slovenia), May 2004.

- J.M., Flache, A., Delgado, J. and Sangüesa, R. "The Emergence of Complex Networks through Local Optimization". In Proceedings of the XVI European Conference on Artificial Intelligence ECAI-04 (López de Mántaras,R. and Saitta,L. eds.,Valencia, Spain), pp. 48 - 52, IOS Press 2004.

- Oscar Ardaiz, Kana Sanjeevan, Ramon Sangüesa: A 3-tier Grid Architecture and Interactive Applications Framework for Community Grids. International Conference on Computational Science 2004: 67-74

- Isaac Chao, Ramon Sangüesa, Oscar Ardaiz: Design, Implementation, and Evaluation of a Resource Management Multiagent System for a Multimedia Processing Grid. OTM Workshops 2004: 187-197

- Josep M. Pujol, Ramon Sanguesa and Jordi Delgado. Distributed and Adaptable Ranking Algorithm for Reputation and Relevance Extraction Proceedings of the 5th Catalan Congress on Artificial Intelligence (2002). ACIA Butlletin, num. 28, pp. 328-335.

- Josep M. Pujol, Ramon Sangüesa, Jordi Delgado: Extracting reputation in multi agent systems by means of social network topology. AAMAS 2002: 467-474.

- Ramon Sangüesa, Josep M. Pujol. NetExpert: A multiagent system for Expertise Location. IJCAI'01 Workshop on Knowledge Management and Organizational Memories (KM/OM) August 6, 2001. Seattle, USA.

- Experiments with Domain Knowledge in Knowledge discovery. Proceedings of the first international Conference on The Practical Application of Knowledge Discovery and Data Mining (PADD97), London, April 1997, pages 65-78.

- Jaume Suau i Puig, Carlos Altrimiras, Ramón Sangüesa. La tecnología multimedia en la creación de tutoriales. Congreso Internacional sobre Sistemas de Información Histórica, Novembre 6, 7 y 8 (1997), Vitoria-Gasteiz, Spain. 1998, ISBN 84-7821-358-9, pages 261-274.

- R. Sangüesa. "Bayesian Learning Agents". Conference on Collaboration between Human and Artificial Societies, (1997). Lanjarón, Granada. Spain.

- M. Grau, M. Daban, R. Sangüesa, C. Ribas, M. López. Science Communication and New Technologies. The Aiguarium Project. 5th International Conference of Public Communication of Science and Technology. Berlin. Sept. 17-19. 1998.

- Mario Martin, Ramon Sangüesa, Ulises Cortés: Knowledge Acquisition Combining Analytical and Empirical Techniques. Machine Learning'91. Evanston, IL, USA. (1991): 657-66.

- Biasing Induction with Previous Knowledge for Knowledge Acquisition in Imprecise Domains. (Mario Martin, Ramón Sanguesa and Ulises Cortés). In Proceedings of the Eleventh International Workshop on Expert Systems & Their Applications (Avignon'91), Avignon, France

Ph D. Students

-Isaac Chao (2007)
A Group Selection pattern for multiagent systems and its application to grid computing. reation of a desing pattern that governs selfregulation in collaboration and coordination on grid/based virtual organization infrastrutures.

- Josep M. Pujol (2006)
PhD Dissertation Structure in Artificial Societies (finished June 26, 2006).   An exploration of knowledge sharing and interchange mechanisms and is relationship with the emergence of "good" (i.e, innovative and learning) network structures and organizations. From September 1, 2006, Josep was a post-doc at the Center for the Study of Complex Systems (CSCS, University of Michigan, USA). He is curently a research in Telefonica R&D, one of the biggest technological research and innovation departments in Spain.

- Josep Roure. (2004) "Incremental Methods for Bayesian Network Structure Learning". In the Artificial Intelligence Ph.D. program of UPC. (Co-adviser U. Cortés). Josep Roure was later a Research Scientist at AutonoLab, Carnegie Mellon University, Pittsburgh. Previously he received a Fullbright Grant for a Post-Doc Stay (Robotics Institute at Carnegie Mellon University, from July 2005 to July 2006). He was awarded the best Scientific Paper at ECAI'02, European Conference on Artificial Intelligence.

TECHNOLOGY TRANSFER PROJECTS
(contracts with companies and public administration)

Total from year 2000 to date: Euro 600.000 (university average: 120 000)

- The Office of the President of the Generalitat de Catalunya (Catalan Autononous Govern) (2006-2007) Contract for the Design and Implementation of a Government and Citizen collaborative Environment for Innovation in Citizen Services (e- catalunya).

- 22@BCN Business District (2003-2004)
    o Contract for the Study and Design for Market Mechanisms to facilitate the creation of a Collaborative Urban Grid System.

- Prous Institute for Collaborative Science (from 1997 on):
    o Contract for Development of Drug Discovery Data Mining Algorithms
    o Contract for the Design of a collaborative environment for Scientific Communities in Drug Analysis and Discovery

SCIENCE COMMUNICATION ACTIVITITES

- Coodinator of the meeting. *Informatics: what a future for quality university informatics education?* March 2009. UPC
- Design of the Communication strategy for the Software Department at Technical Univerisity of Catalonia. Creation of events and line of dissemination, including newsletters and activities with schools (2007-2008)
- Coordinator and designer of activities for Science Divulgation at Barcelona Computing School (2003-2006)
- Consultant and professor at the Master in Science Communication at Pompeu Fabra University Communication School (2008-)

DIFFUSION OF TECHNOLOGY

- Project for the Creation of a Technology Participatory Design and Innovation Center, Citilab. Spanis-Industry Ministry. Plan Avanza (plan for Information Society). (1998 and 2004-2007). Opened September 2007.

CONSULTING ACTIVITIES

- Telefónica I+D S.A. (2007-2009)

       o Main consultant for the process of organizational change for innovation

- Telefónica S.A.

       o Consultant for innovation strategy (2007-2009)

- Sun Microsystems Ibérica, S.A.

       o Consultant for the Collaborative Science Portal for Spanish Universities (2003-2004).

- European Comission

       o Consultant for the evaluation of the Information Society Technologies program in Knowledge Management (2003).

- Catalan Autonomous Government

       o Consultant for the design of the Tecnoregió project, an IT innovation netowrk/cluster for the Autonomous Region of Catalonia, Spain. Responsible for international benchmarking and organizational design (2005-2006).

       o Consultant for the design and evaluation of collaborative online practices in e-catalunya communities (2004-2006).

- Cercle pel Coneixement Foundation

       o Analysis of the Catalan Innovation System in Knowledge Society Terms. (book "Vers una Tecnocultura d'innovació). (2005).

- Diputació de Barcelona

       o Creation of local and regional networks for collaborative innovation

       o Network Development main consultant for the INDRA Pilot Program for empowerment of local administration and entrepreneuship. (2006-2007).

o Social Network analysis of the TechnoCampus innovation Park (2004)

REGULAR TEACHING

- From 1990 to present date: courses on Artificial Intelligence, Multiagent Systems, Machine Learning, Data Structures, Software Egineering, Systems Engineering, Programming, Functional Programming, Introduction to Logic at Graduate and Master levels (U. Lleida, U. Rovira i Virgili, U. Oberta de Catalunya and UPC).

Coordinator of the Courses:
- UPC: Advanced Artificial Intelligence (2003 to present date),
- UPC: Methods and Techniques of Artificial Intelligence (2003-2005)

OTHER ACTIVITIES IN TEACHING
- Fundació Politècnica (UPC's continuing education)
    o Coordinator of the Master in Open Source Software Engineering (from 2004 on)
    o Coordinator of the Internet Modules of the Master in E-business (in cooperation with Carnegie Mellon University). From 2001 to 2004.
    o Facilitator of the Knowledge Management courses in the Fundació Politècnica Masters Programme (from 2002 to 2004).
- Cercle pel Coneixement Foundation
    • Facilitator of all annual workshops on Knowledge Economy from 2004 to 2006.
    • Coordinator of the innovation networks module (2005, 2006).

OTHER PROFESSIONAL ACTIVITIES

- Curator. "City Internet". Center for Contemporary Culture, Barcelona. Exhibition due in 2012.

- Co-organizer of the Workshops on 2.0 Practices for Cultural Institutions. Centre for Contermporary Culture, Barcelona. March 2010-June 2010.

- Director of Innovation (from October 2007 to September 2010): Citilab (citilab.eu) .

- Opening Team of Open Business Spain (http://openbusiness.cc). An interest group that promotes the analysis and implementation of open company models.

- Coordinator of the Science, Technology and Design Working Group of the Cercle for Coneixement (Circle for Knowledge) Think Tank Barcelona, Spain. From 2003 to 2006.

- Member of the Comission on Information Society of the Barcelona City Strategic Plan (2003-2005).

- Representative of the UPC in the "Segle XX Forum" for innovation in the Barcelona area (1999-2000).

- Founding Member of the Internet Society Catalan Chapter (1996).

- Founding Member of the Catalan Association for Artificial Intelligence (1994)
        - Vicepresident from 1994 to 1997.

- Member of he following research and innovation communities:
        KnowledgeBoard, AMI@Communities, Open Business, Agentlink, Knowledge Federation.
- Partner of World Wide Minds, a firm specialized in organizational behaviour (From 2006).

-Promoter of the start-ups:
        - WikiDiario, a collaborative editing and publishing Newspaper (from 2008)
        - Abiquo focused on the development of innovative Grid Computing technologies (from 2006),
          currently under second round of investment, in the process of being consolidates at UK and with
          new offices in Silicon Valley (Redwood City)
        - JustInMind, focused on the automating the development of Software for web systems and
        application deployment (from 2004).