



CURRICULUM VITAE

Personal information

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Studies

1988 - 1994 Licentiate degree in Biological Sciences at the University of Buenos Aires.

2006 – 2007 Art History Post Graduate Course, Fine Arts National Museum Friends Association.

2006 – 2012 PhD in International Relations at the National University of La Plata (courses without Thesis).

2012 - 2013 Master Degree in Terrorism Studies, UNIR. Spain.

2014 – 2019 Doctorate in Criminology at the University of Granada, Spain. (Thesis title: BW and Public Health: a criminology and legal study). Grade: Outstanding. Cum laude Mention

Awards

2016 Iberoamerican recognition on educational excellence (student mention), Education 21 (Miami, USA)

2015 Best Paper Award: Teaching Information Quality to Professionals in Intelligence Government Agencies- 32th ISECON, Orlando (USA)

2011 Award in Recognition of Outstanding Contribution to Argentina Information Quality, from the MIT

2010 Leadership Award from the MIT IQ Program

Organizations' membership

2015 Member of IAIDQ (International Association for Information and Data Quality)

2014 CWC Coalition (Chemical Weapons Convention Coalition), participation in the name of ArgIQ

Congress, Seminars and Conferences Participation

2020-2021 Participation to several webinars and online courses and seminars

- November 2020 and April 2021 25th Session of the Conference of States Parties of the chemical Weapons Convention (Virtual)
- 2019**
- November 24th Session of the Conference of States Parties of the chemical Weapons Convention (The Hague, Netherlands)
 - August CONDENS_E International conference on science and technology and non proliferation (Ypres, Belgium)
 - EU Summer university on export control (Porvoo, Finland)
 - July Executive course for on export control for professors (Kazakhstan)
 - June Chaudfontaine seminar (Liege, Belgium)
 - May RRIC Seminar for young scientists (Yerevan, Armenia)
 - Spring University on export control (Kiev, Ukraine)
- 2018**
- November 23th Session of the Conference of States Parties of the chemical Weapons Convention and Review Conference (The Hague, Netherlands)
 - ISTC CBRN Export Control and Dual Use Materials and Technologies in Central Asia (Yerevan, Armenia)
 - October STCU Challenges to the Scientific and Technological Evolution for the Export Control Systems (Tbilisi, Georgia)
 - Second Dialogue on Export Control Governance
 - July EU Summer University on Strategic Trade Control and Non-proliferation (Baden, Austria)
 - Seminar On Export Control of Dual use Goods and Technologies Cooperation EU-Iran (Teheran, Iran)
 - June 14th European Congress on Disaster Management (Berlin, Germany)
 - Centers of Excellence plenary, participation at the SEA meetings (Brussels, Belgium)
 - May ISTC Challenges to the Scientific and Technological Evolution for the Export Control Systems (Astana, Kazakhstan)
 - April ISECON (San Antonio, US)

- March GUAM Seminar on Export Control and Dual Use Materials and Technologies (Kiev, Ukraine)
- CBRNe South America (Buenos Aires, Argentina)
Colaboración en la organización
- 2017**
- November 22th Session of the Conference of States parties of the chemical Weapons Convention (The Hague, Netherlands)
- October GIFT End Conference (Brussels, Belgium)
- Export control on dual use materials and technologies in Central Asia (Astana, Kazakhstan)
- July EU Summer University on Strategic Trade Control and Non-proliferation (Alpbach, Austria)
- June Centers of Excellence plenary (Bruselas, Bélgica)
- 2016**
- December 21th Session of the Conference of States parties of the chemical Weapons Convention (The Hague, Netherlands)
- November 33th ISECON, Pittsburgh (USA)
- April Seminar: Strengthening the National CBRN Legal Framework & Provision of specialized and technical training to enhance CBRN preparedness and response capabilities - First regional seminar and study visit, Project 33 WP1-3
- April Conference Free Geomatics – FOSS4G Argentina (Buenos Aires, Argentina)
- March V International Seminar on Biosecurity and Bioterrorism (Granada, España)
- 2015**
- December 20th Session of the Conference of States parties of the chemical Weapons Convention (The Hague, Netherlands)
- November 32th ISECON, Orlando (USA)
- August Data Management Conference – Latam 2015 (Sao Paulo, Brazil)
- 2014**
- December 19th Session of the Conference of States parties of the chemical Weapons Convention (The Hague, Netherlands)
- November VII Institute for International Relations Congress (La Plata, Argentina)

- October I Qualitative Research in Social Sciences Congress- I Post Congress ICIQ (Córdoba, Argentina)
- May NMP-DeLa (Buenos Aires, Argentina)
- 2013** May II Encounter of Human and Technological Sciences for the Integration in the International South Cone of Knowledge: Dialogues in our America (Bogotá, Colombia).
- 2012** November 10° German Conference on Information Quality Managment (Bad Soden am Tunus, Germany)
- 6° Experts Panel (Bogota, Colombia)
- Octubre 8° Fortified Cities Seminar (Rio de Janeiro, Brazil)
- September VII Private Security Regional Forum (Paipa, Colombia)
- March CBRNe South America 2012 (Rio de Janeiro, Brazil).
- 2011** November 16th International Conference on Information Quality (Adelaida, Australia)
- October 1st Information Quality meeting in Colombia.
- August Interseg (Rio de Janeiro, Brazil)
- August Enterprise Data World, Latin America – 2011 (Sao Paulo, Brazil)
- July MIT 2011 Information Quality Industry Symposium (Cambridge, US)
- 2010** November 15th International Conference on Information Quality (Little Rock, US)
- July MIT 2010 Information Quality Industry Symposium (Cambridge, US)
- April The Global Challenge of Biological Controls Working Group (Geneva, Switzerland)
- January Europe and the Global Challenge of Biological Controls Working Group (Bath, UK)
- 2009** June International Meeting Nuclear Proliferation and Nuclear Energy (Amman, Jordan)

- 2008** October Plenary Meeting Wassenaar Agreement (Vienna, Austria)
- August International Seminar on Technology Control (Buenos Aires, Argentina)
- April Plenary Meeting Australia Group (Paris, France)
- 2007** September Life Sciences, security and dual use research; Brian Rappert and Malcolm Dando, (Buenos Aires, Argentina)
- 2006** December Controlling Dangerous Pathogens – Regional Workshop On Dual Use Research (Teresópolis, Brazil)
- April-May Chemical and Biological Treatment Symposium – CBMTS VI (Spiez, Switzerland)
- 2005** June International Symposium on NBC Terrorism Defense (Choshi, Japan)
- 2004** September OPCW workshop about customs (Buenos Aires, Argentina)
- June Eighth International Symposium on Protection against Chemical and Biological Warfare Agents (Gothenburg, Sweden)
- May Chemical and Biological Treatment Symposium – CBMTS V (Spiez, Switzerland)
- 2003** September Second World Congress on Chemical, Biological and Radiological Terrorism, CBMTS - Industry III (Dubrovnik, Croatia)
- June Plenary Meeting Australia Group (Paris, France)
- 2002** November 2002 Joint Service Conference on Chemical and Biological Defense Research; (Maryland, US)
- April – May Chemical and Biological Treatment Symposium – CBMTS IV (Spiez, Switzerland)
- 2001** December 5° BTWC Review Conference (Geneva, Switzerland)
- Noviembre Response to convencional terrorista attacks and bioterrorismo. Conference by Navy Cap. (USN) Arnaldo Olcese (Buenos Aires, Argentina)
- October Plenary Meeting Australia Group (Paris, France)

- April First Word Congress on Chemical and Biological, CBMTS - Industry II (Dubrovnik, Croatia)
- February - March Seminar - Workshop: Introduction to Distance Learning System and elaboration of written materials. National Intelligence School (Buenos Aires, Argentina)
- 2000** October Plenary Meeting Australia Group (Paris, France)
- 1998** October Plenary Meeting Australia Group (Paris, France)
- 1996** October Plenary Meeting Australia Group (Paris, France)
- 1995** November 1° Latin American Conference on Chemical accidents, (Buenos Aires, Argentina)

Congress, Seminars and Conferences Organization

- 2011** October Second Information Quality Summit in Argentina (Buenos Aires, Argentina), with the participation of Michael Mielke and Rossano Tavares.
- 2010** December Challenges to the Scientific and Technologic Progress – Round Table about Nuclear Cooperation: Argentina – Brazil Case Analysis (Buenos Aires, Argentina) with the participation of Prof. Nicholas Wheeler and Dr. Matias Spektor.
- October First Argentine Congress: Challenges to the Scientific and Technologic Progress: Biological Nucleus (Buenos Aires, Argentina), with the participation of Malcolm Dando, PhD; Marie Chevrier, PhD and Gwyn Winfield.
- August First Information Quality Summit in Argentina (Buenos Aires, Argentina), with the participation of Yang Lee, PhD; Leo Pipino, PhD and Michael Mielke.

Design and organization of Special Courses

- 2016** September Special course information management and Analysis methodologies (Buenos Aires, Argentina), along with Humboldt International University (USA)

- 2015** September and November Special course information management and Analysis methodologies (Buenos Aires, Argentina), along with Humboldt International University (USA)
- June Intensive Course on Intelligence Analysis methodologies (Peru´ Air Force)
- Information quality for life scientists (University of La Pampa)
- Special Course on the application of information Quality principles to the intelligence analysis (for distance learning system).
- Special Course on teh implementation of information Quality principles on geographic information (Argentina´ Armed Forces)

Post- Graduate Courses

- 2020** Online course: Insider and Outsider Threats. Public Health Agency of Canada
- 2017** From the Control Board to the Balance Scorecard (ITBA, Buenos Aires, Argentina)
- 2015** Online Course Geospatial Intelligence & the Geospatial Revolution (Pennsylvania State University)
- 2014** Online Course Questionnaire Design for Social Surveys (University of Michigan, United States)
- Online Course Questionnaire Design for Social Surveys (University of Michigan, United States)
- Online Course Critical Perspectives on Management (IE Business School, Spain)
- 2012** Train the Trainer: Dual Use Biosecurity Education (University of Bradford, UK) Distance learning course
- 2011** Controle de armas, desarmamento e não-proliferação na contemporaneidade (EAEEG, CENEGRI, Rio de Janeiro, Brazil)
- 2008** From Technology to Innovation: Putting Ideas to Work (MIT, Boston, United States) 2,5 CEU.

- Executive Seminar in Defense Decision-Making (NPS, Monterey, United States)
- 2006** Combating Bioterrorism / Pandemics: Implementing Policies for Biosecurity (MIT, Boston, United States) 2 CEU.
- CME Online: Responding to Nuclear, Biological and Chemical Weapons, Harvard Medical School, United States.
- 2005** Information Quality: Case Studies (MIT, Boston, United States) 1 CEU.
- Information Quality: Principles and Foundations (MIT, Boston, United States) 3 CEU.
- 1997** Training course for National Authorities personnel from the CWC, (Woensdrecht, The Netherlands)
- 1996** Formation course for escorts inspectors for the CWC (Buenos Aires, Argentina)

Participation on Courses and Conferences Abroad (as Professor)

- 2019** Diploma Internacional Liderazgo y Comunicación Estratégica para Mujeres Ejecutivas, Curso de Metodologías para el análisis de información, (ESAM, Lima, Perú)
- Executive course on export control, KAZGUU University (Nur Sultan, Kazakhstan)
- 2018** Diploma Internacional Liderazgo y Comunicación Estratégica para Mujeres Ejecutivas, Curso de Metodologías para el análisis de información, (ESAM, Lima, Perú)
- EU Summer University on Strategic Trade Control and Non-proliferation (Baden, Austria). Topic: science, technology and export control
- 2017** EU Summer University on Strategic Trade Control and Non-proliferation (Albach, Austria). Tema: science, technology and export control
- 2015** Conference: chemical weapons and the sea. Navy War Academy, Guayaquil, Ecuador.
- 2014** Conference: New challenges to the Intelligence in a global context. Lima, Perú (To the Air Force personnel)
- 2011** Biological and Nuclear Risks. At the Degree on Risk Management and Operation

to the Security Sector. Santa Marta, Colombia.

Projects Participation

- 2018** Targeted Initiative: CBRN Export Control on Dual-Use Materials and Intangible Technologies in the GUAM Region (Project Manager) Renewed for 2 years, until December 2021
- 2017** Targeted Initiative: CBRN Export Control on Dual-Use Materials and Intangible Technologies in Central Asia (Project Manager) Renewed for 2 years until December 2021
- EU Project: “Technical Assistance for the implementation of EU export controls programme in partner countries” (leading investigator, project finished)
- 2016** The Future of Chemical Risks (ArgIQ and Kaspar Haller, from Green Cross Switzerland, finished)
- Development of an export control system for Partner Countries of P33. (Participation ended)
- P42: “Chemical Safety and Security in the Central and Eastern African región” (legal framework – law enforcement – chemical management and chemical risk mitigation). Legal country profile of DRC and Burundi. (Participation ended)
- 2015** Application of information Quality principles to the intelligence analysis (IUA, Argentina, finished).
- Evaluation using IQ dimensions of information regarding the use of chemical weapons in Syria (ArgIQ and Kaspar Haller from Green Cross Switzerland, finished).
- WMD treaties mapping in Latin America (Proposal of Paul Walker from Green Cross International, under analysis)
- Use of chemical weapons by the FARC: and historic, forensic and geographic analysis. (with Dr. Sadik Toprak from Turkey, under analysis)
- Development of a model for understanding of the implementation of the Chemical Weapons Convention. Case study: in South America. Under analysis
- Development of indicators for chemical weapons production

and use by state and non-state actors. Case study: Syria. Under analysis.

- 2014** Biological weapons and diseases in Argentina and Brazil: a systemic vision. National Defense School. Suspended.
- 2012** Development of National Series, following the University of Bradford' model, to South America, Argentina, Chile and Colombia. Participation finished.
- 2011** IQ Assessment on the Distance Learning System at the Maimonides University. Finished
- 2010** Translation of EMR to Spanish (University of Bradford, UK). Finished
- Weapons of Mass Destruction Agreements and International Situation: an Evolutionary Analysis (IUA, Argentina). Finished

Publications

Espona, Maria J (2021). Book Review: Neuroscience and the Problem of Dual Use - Neuroethics in the New Brain Research Projects, Dr Malcolm R Dando, Springer. CBRNe WORLD December 2020.

Espona, Maria J. (2020). Coronavirus in Spain, In COVID-19: Analysing the Threat. Editors: Ajey Lele and Kritika Roy. PENTAGON PRESS LLP, New Delhi, India. Page. 144.

Espona, M. J. (2020). Rethinking the Future of Education. International Journal of Education and Science, 3(2), *-*. doi:10.26697/ijes.2020.2.*
<http://ijes.culturehealth.org/index.php/en/arhiv/current-issue>

Espona, Maria J. (2018) Brotes de enfermedades y guerra biológica: un enfoque sistémico. en ARMAZA ARMAZA/CUADRADO RUIZ, El Derecho frente al Bioterrorismo y otras amenazas biológicas, Granada, España

Espona, Maria J. (2016) Interdisciplinary Integrated Tools to Problem Solving: A Short Course. US-China Education Review A, November 2016, Vol. 6, No. 11, 633-64. doi: 10.17265/2161-623X/2016.11.002

Espona, Maria J. (2016) Interdisciplinary Integrated Tools to Problem Solving: A Short Course, 33th ISECON

Espona, Maria J. (2016) Estudio del marco jurídico en materia de terrorismo biológico: un enfoque sistémico. Instituto Español de Estudios Estratégicos, Documento Marco 14/2016, 12/8/2016. Available at:
http://www.ieee.es/en/Galerias/fichero/docs_marco/2016/DIEEEM14-2016_MarcoJuridico_Terrorismo_ArmasBiologicas_MJEspona.pdf

- Espona, Maria J (2016) FARCing about. CBRNe World, Feb2016.
- Espona, Maria J (2016) Book Review: Chemical Control Regulation of incapacitating chemical agent weapons, riot control agents and their means of delivery By Michael Crowley. CBRNe World, Feb2016.
- Espona, Maria J. (2014). ArgIQ – Information Quality in Argentina. Presentation made at the Plenary of the 19th Session of Conference of States Parties of the Chemical Weapons Convention.
- Espona, Maria J. (2014). ArgIQ perspective and researches on chemical weapons. Presentation made at the “CWCC Open Forum” in the framework of the 19th Session of Conference of States Parties of the Chemical Weapons Convention.
- Espona, Maria J. (2014) Calidad de Información: una nueva herramienta para la investigación. VII Congreso del IRI, I Congreso del CoFEI, II Congreso de la FLAEI. (La Plata, Argentina)
- Espona, Maria J. (2014). Calidad de Información: una herramienta cuali-cuantitativa. I Congreso de Investigación Cualitativa en Ciencias Sociales- I Post Congreso ICIQ (Córdoba, Argentina)
- Espona, Maria J. (2014). Enfermedades causadas por agentes de Guerra biológica en América del Sur. Un estudio de caso de aplicación de la metodología de Calidad de Información. I Congreso de Investigación Cualitativa en Ciencias Sociales- I Post Congreso ICIQ (Córdoba, Argentina)
- Espona, Maria J. (2014). Winning the battle against emerging pathogens: An Argentine response. Bulletin of the Atomic Scientists Volume 70 Issue 4, July 2014
- Espona, Maria J. (2014). Spotlight on South America. Development and disarmament roudtable: How to confront emerging pathogens. Bulletin of the Atomic Scientists. <http://thebulletin.org/how-confront-emerging-pathogens7032> (last access 23/6/2014)
- Espona, Maria J. (2014). Planning for the entire disease lifecycle. Development and disarmament roudtable: How to confront emerging pathogens. Bulletin of the Atomic Scientists. <http://thebulletin.org/how-confront-emerging-pathogens7032> (last access 15/5/2014)
- Espona, Maria J. (2014). Making bad data good. Development and disarmament roudtable: How to confront emerging pathogens. Bulletin of the Atomic Scientists. <http://thebulletin.org/how-confront-emerging-pathogens7032> (last access 15/5/2014)
- Espona, Maria J. (2013). Materiales de uso dual para la fabricación de Armas de Destrucción Masiva: ¿Representa Sudamérica una oportunidad para el crimen organizado? II Encuentro de las Ciencias Humanas y Tecnológicas para la integración en el Conosur Internacional del Conocimiento: Diálogos en nuestra América (Bogotá, Colombia).
- Espona, Maria J. (2012). La guerra de las galaxias - La amenaza de las armas de destrucción masiva: ¿ficción o realidad? Revista Estrategas Año 2, Edición 20, Octubre 2012 (Colombia)
- Espona, Maria J. (2012). Amenaza Transnacional de las Armas de Destrucción Masiva. 6° Panel de Expertos (Bogotá, Colombia)

Espona, María J. (2012). La amenaza de las armas de destrucción masiva: Ficción o realidad y sus efectos en la seguridad pública. VII Foro Regional de Seguridad Privada (Paipa, Colombia).

Espona, Maria Jose (2012). Argentina: NBC Defense and Response System Capabilities. CBRNe South America 2012 (Rio de Janeiro, Brazil).

Espona, Maria J. (2011). "Disease surveillance and its importance in the BW context". Available at: <http://www.asanltr.com/newsletter/11-2/newsletter.htm>

Espona, Maria J. (2011). Teaching Information Quality to non Information Quality Professionals: a case study in the Defense and Intelligence arena. Enterprise Data World, Latin America – 2011 (Sao Paulo, Brazil).

Espona, Maria J. (2011). Education and BW: Still an Ongoing Work. Available at: <http://www.asanltr.com/newsletter/11-1/newsletter.htm>

Espona, Maria J. (2011). "The heterogeneous distribution of technologies around the globe" - 12 January 2011, Available at: <http://www.bwpp.org/revcon-techinfluence.html>

Espona, Maria J. (2011). "Technology dissemination: an analysis of it dynamic" - 15 February 2011, Available at: <http://www.bwpp.org/revcon-techinfluence.html>

Espona, Maria J. (2011). "Technology flow, a systemic analysis" - 23 March 2011, Available at: <http://www.bwpp.org/revcon-techinfluence.html>

Espona, Maria J. (2010). Tracing Infectious Diseases in South America: an IQ Challenge. 15th International Conference on Information Quality. Little Rock, US.

Espona, Maria J. (2010). Epidemiology of Natural Diseases: a security matter? CBRNe World, Spring 2010. Pag. 88 -89.

Espona, Maria J. (2010). Argentina and Biological Controls. The Global Challenge of Biological Controls Working Group (Bath University and UNIDIR); Geneva, Switzerland.

Espona, Maria J. (2009). Nuclear Energy in South America. The Nuclear Forum: Nuclear Proliferation and Nuclear Energy; Amman, Jordan.

Espona, Maria J. (2007) (pseudon. Maria Helguera); Fear of the Unknown. CBRNe World, Spring 2007. pag. 30-31.

Espona, Maria J. (2007) Ciencia y Tecnología vs. Defensa y Seguridad: una perspectiva sudamericana. Revista de Asia y América Vol.7 N°1 (Mayo 2007). Instituto de Estudios de Asia y América. Universidad de Dankook, Seúl, Corea. Pag. 137

Espona, Maria J. (2006); Developments among International Scientific and Health Bodies on Dual-Use Issue. Presentation at the Controlling Dangerous Pathogens Project Regional Workshop on Dual-Use Research, Teresopolis, Brazil, December 2006. Available at: <http://www.cissm.umd.edu/papers/>

- Espona, Maria J. (2006). Time in LEU. NCB International, Summer 2006. pag. 63-64.
- Espona, Maria J. (2006). Accidents will happen... NBC International, Summer 2006. pag. 66-68.
- Espona, Maria J. (2006). Biological Threat Agents: Elaboration of Control Lists to South America. Chemical and Biological Treatment Symposium, CBMTS VI (Spiez, Suiza).
- Espona, Maria J. (2003). Information control and its relation with defense, proliferation and terrorism in the biological arena; Second World Congress on Chemical, Biological and Radiological Terrorism, CBMTS - Industry III (Dubrovnik, Croatia).
- Espona, Maria J. (2003). Las amenazas biológica y química (Chemical and Biologicas Threats); Nueva Inteligencia; Vol.1, Nro. 1 (Segunda época); Buenos Aires, Argentina.
- Espona, María J. (2002). Challenges to the design of new detection devices; 2002 Joint Service Conference on Chemical and Biological Defense Research; Maryland; US.
- Espona, María J. (2002). Argentina: Response to a Chemical - Biological Attack, The ASA Newsletter, 02-4, Issue Number 91.
- ESPONA, Maria J., Jean Pascal ZANDERS and Ineke MALSH, "The Dual-Use Dilemma: Raising Awareness among the Academic and Scientific Communities in Central Asia and Eastern Europe", 2018, 34th ISECON, San Antonio, Texas, US.
- Espona, Maria J. y Craig Fisher (2015). Teaching Information Quality to Professionals in Intelligence Government Agencies. 32th ISECON. Available at: <http://proceedings.isecon.org/>
- Espona, Maria J. y Manuel Giavedoni Pita (2015). A "Cegueira Pregnante" Na Inteligência: Um Caso Histórico. Coleção Meira Mattos: Revistas Das Ciências Militares. Vol 9 (35). Pp. 421-432. Available at: <http://www.eceme.ensino.eb.br/meiramattos/index.php/RMM/article/view/522>
- Espona, Maria Jose and Malcolm Dando (2011) Dual-use bioethics for the life sciences: the development of a country specific short-course template and a trial application to Argentina. Available at: www.dual-usebioethics.net.
- Espona, Maria J. and Gauna, E. (2010). Argentina and Biological Controls. Europe and the Global Challenge of Biological Controls Working Group. Bath, 15-16 January 2010.
- Espona, Maria J. and Santana, G. (2006). Going Loco. NBC International. Summer 2006. pag. 60-62.
- Espona, Maria J. and Aladro, I (2005). CW terrorism: CW terrorism: a comparative analysis of the cases of the Revolutionary Armed Forces of Colombia (FARCs) (low tech)

and Aum Shinrikió (high tech). International Symposium on NBC Terrorism Defense (16 to 19 June, 2005, Choshi, Japón)

Espona, María José; Aladro, I. and Santana, G. (2004). Response analysis in case of an agro terrorist attack: evaluation through scenarios methodology of risks and threats. NBC International.

Espona, María J. and Santana, G. (2004). Present and Future of CW threat in South America; Eighth International Symposium on Protection against Chemical and Biological Warfare Agents (Gothenburg, Sweden).

Espona, María J. and Santana, G. (2004). Present and Future of BW threat: an overview; Eighth International Symposium on Protection against Chemical and Biological Warfare Agents (Gothenburg, Sweden).

Espona, María J. and Santana, G. (2004). Present and Future of CW threat in South America; Chemical and Biological Treatment Symposium, CBMTS V (Spiez, Suiza).

Senini, Roberto, María J Espona and Samanta Curti (2016). Constructivismo y estrategia en las relaciones internacionales. Parte i: políticas nucleares de confrontación. El caso de India y Pakistán. IEEE, Documento de Opinión 43/2016 del 5/5/2016. Available at: http://www.ieee.es/Galerias/fichero/docs_opinion/2016/DIEEEO43-2016_India-Pakistan_Senini-Curti-Espona.pdf

Zambrana, Pablo y María J Espona (2015). O uso de critérios de informação de qualidade para validação da informação geográfica aplicada ao mapeamento de produção. Data & Information. Vol 1 (1)

Giavedoni, Manuel and Espona, María J. (2012). Terrorismo “sucio”: ¿Un nuevo desafío para la seguridad privada? Revista Máxima Seguridad. Available at: <http://www.maximaseguridad.co/especiales/item/31-%E2%80%9Cterrorismo-%E2%80%9Csucio%E2%80%9D-%C2%BFun-nuevo-desaf%C3%ADo-para-la-seguridad-privada> (Colombia)

Santana, Guilherme G. and Espona, María J. (2006). Agro-terrorism: a South America Perspective. Chemical and Biological Treatment Symposium, CBMTS VI (Spiez, Suiza).

Santana, Guilherme and Espona, María J. (2004). South America as a Source of BW agents; Chemical and Biological Treatment Symposium, CBMTS V (Spiez, Switzerland).

Bartolomé, Mariano and Espona, María J. (2003). Chemical and biological terrorism in Latin America: the Revolutionary Armed Forces of Colombia; Second Chemical, Biological and Radiological Terrorism World Congress, CBMTS - Industry III (Dubrovnik, Croatia).

Book Chapters

Espona, Maria J. (2016). Metodologías para el análisis de información: una necesidad de nuestros días, in *Desarrollo de Competencias para el Siglo XXI*. Alexandria Library Publishing House, Miami.

Espona, Maria J. (2014) Terrorismo con Armas de Destrucción Masiva: ¿realidad posible? En *Debate Internacional – Escenarios Actuales*. Giavedoni Pita, Manuel (Compilador). Ed. Publicaciones Navales, Buenos Aires.

Espona, Maria J. (2013). Biosecurity and Dual-Use Issues: the Education Module Resource (Chapter 10), in *Military Medical Ethics for the 21st Century*, Eds. Michael Gross and Don Carrick, Aldershot, UK: Ashgate Publishing.

Gauna, Eduardo R. and Espona, Maria J. (2011). Calidad de Información (IQ). Su importancia en la implementación y desarrollo de un Sistema de Gestión de Seguridad Operacional y en un Programa de Seguridad Operacional. *Sistemas de Seguridad Operacional: compromiso aeronáutico del siglo XXI*. (Ed. Ateneo, Buenos Aires)

Bloch, Roberto Daniel y Domínguez, Nestor Antonio, Colaboradores: Maria Jose Espona y Fernando Juan Ohanessian (2010). *Una Imagen espacio-política del mundo*. Editorial Dunken, Buenos Aires.

Espona, Maria J. and Aladro, I. (2005). CW terrorism: CW terrorism: a comparative analysis of the cases of the Revolutionary Armed Forces of Colombia (FARCs) (low tech) and Aum Shinrikió (high tech); In *Scientific series: Medical Aspects of Chemical and Biological Terrorism – Chemical Terrorism and Traumatism*. Edited by Alexander Monov and Christophor Dishovsky; Publishing House of the Union of Scientist in Bulgaria; Sofia, 2005.

Espona, María José (2004). Challenges to the design of new detection devices In *Technology for Combating WMD Terrorism*, Ed. Peter Stopa and Zvonko Orahovec, NATO Science Series, II Mathematics, Physics and Chemistry – Vol. 174, 2004.

Publications Reviewer

International Journal of Information Quality.

Journal of Data and Information Quality

Global Security: Health, Science & Policy

Coleção Meira Mattos - Revista Das Ciências Militares

Book Review

Craig Fisher, Eitel Lauria and Shobha Chengalur-Smith, Introduction to Information Quality (Second Ed.), for Springer Ed, US. (February 2010).

Craig Fisher, Eitel Lauria, Shobha Chengalur-Smith and Richard Wang, Introduction to Information Quality, for Editorial Elsevier, US (April 2008).

Academic Activities

- 2019 From 2019, designed as expert to the INAP, professor to the courses: Solutions implementation to complex problems and Tools for problems solving (Buenos Aires, Argentina)
- 2017 Professor at the Argentinean Navy War School, master on Strategy, Seminar on information management.
- 2016 Director of the Postgraduate Course on Strategic Intelligence at the Catholic University of Argentina. Information available at: <http://www.uca.edu.ar/index.php/site/index/es/uca/facultad-de-ciencias-sociales/escuela-de-politica-y-gobierno/programas-de-la-escuela-de-politica-y-gobierno/posgrado-en-inteligencia-estrategica/>
- Professor at the National Intelligence School. Course: Information quality for analysts
- 2015 Professor at special courses of the Humboldt International University (Miami, United States)
- Professor at the Public Security Superior Institute. Course: Management of Soil as a resource; Management of water as a resource; and Physics (just for the year 2015).
- Professor, National Defense School. Course: Seminar of Science and technology applied to National Defense. (Just for the year 2015)
- 2012 Associate Professor at the University Air Force Institute, Course: Game Theory. (until 2015)
- 2011 Information Quality Officer at the Center FICCH, Maimonides University. Until May 2012
- 2011 Professor at the National Defense School, Master Degree in

- National Defense. (Defense and Non Proliferation Seminar)
- Vicepresidente of the Iberoamerican Information Quality Federation.
- 2010 Director, International Studies Direction at the Institute for Social and Political Studies.
- Director, Science and Technology Program (CAEI).
- 2009 Professor at the University Air Force Institute, Courses: Information Quality and Intelligence Analysis. (until today)
- Full time researcher at the Institute for Social and Political Studies.
- Co- Director and founder member of Information and Data Quality Program (ArgIQ).
- 2008 Director, Science and Technology Program (CEID). (Until 2012)
- Book Review: Introduction to Information Quality (Authors: Fisher, Lauria, Chengalur-Smith and Wang; MITIQ)
- Professor at La Plata National University, Master degree in Strategic Intelligence, Courses: Digital Intelligence; and Science and Technology Intelligence. (until today)
- Professor at the National Defense School, Master Degree in National Defense (Course: Science and Technology) (From 2008 to 2011 and 2014).
- Associate Professor at the National Defense School, Master Degree in National Defense. (Defense and Non Proliferation Seminar) Until 2011.
- Associate Professor at La Plata National University, Master degree in Strategic Intelligence, Course: Methodology (Information Quality). Until 2010
- 2006 Professor at Maimonides University, Licentiate degree in Contemporary Strategy (Course: Science and Technology Strategy) (until today)
- 2003 CONEAU' expert in Defense arena (National Commission to University accreditations) (until today)

2002 Associate Professor at the National Defense School, Master Degree in National Defense (Course: Science and Technology) (until 2007)

Professor at the National Defense School, Superior Course (Course: Current Challenges in Science and Technology) Until today

Correspondent for Science and technology for The ASA Newsletter (www.asanltr.com) (until today)

Work experience

2016 General Director of Statistics and Criminal Information at the Ministry of Justice and Security for the Government of Buenos Aires City.

1987 - 2009 Presidential Office: advisor in the chemical and biological field, representation of the country in international forums such as the Australia Group. Manager of the NBC Area for 7 years.

Languages Knowledge:

English: high level

French: medium level

Italian: basic level

Russian: basic level

Spanish: native