

JUAN PANE, PHD.

PERSONAL INFORMATION

- First name: Juan Ignacio.
- Last name: Pane Fernández.
- Nationality: Paraguayan.
- Gender: male.
- Date of birth: 06/12/1980
- Marital Status: Married
- Phone: +595 971 265750



PROFESSIONAL EXPERIENCE

01/2014 – Currently. Centro de Estudios Ambientales y Sociales - CEAMSO (Paraguay)

- Open Data Consultant for the Democracy and Governance Program funded by USAID. (<http://www.ceamso.org.py/es/pdg/>)
 - Design of the Open Government Data guidelines and standards for the National Secretary of ICT (SENATICs).
 - Leader of the design and implementation of Open Data tools for:
 - National Secretary of ICT (SENATICs) National Open Government Data Catalog (datos.gov.py)
 - Ministry of Education and Culture (datos.mec.gov.py)
 - National Procurement Office (contrataciones.gov.py/datos)
 - Implementation of the Open contracting data standard (OCDS) <https://www.contrataciones.gov.py/datos/api/v2/#!/ocds/>
 - Paraguayan Civil Society Catalog (datos.org.py)
 - Portal for checking the spending of FONACIDE (mec.gov.py/contralorfonacide)
 - Ministry of Health and Public Welfare (mspbs.gov.py/datos)
 - Civil Service Department for the government (datos.sfp.gov.py)
 - Treasury department (Ministerio de Hacienda)

11/2015 – 12/2015. Panamerican Health Organization – Paraguay (PAHO)

- Knowledge transfer for open data tools and standards related to Dengue for the Ministry of Health of the Paraguayan Government (Dirección General de Vigilancia de Salud) <http://vigisalud.gov.py/index.php/dengue-2/>

01/2015 – 05/2015. Open Data Working Group – Open Government Partnership

- Researcher in collaboration with Open North for the development of the working group research deliverable called “Recommended standards and best practices for open data” <http://www.opengovpartnership.org/blog/jose-alonso/2015/05/05/ogp-open-data-working-group-announces-open-data-research-deliverables>

10/2014 – 10/2015. Iniciativa Latinoamericana de Datos Abiertos – ILDA

- Researcher for Open Data applied to Health Sciences. Definition of a baseline for publishing multi-national data related to Vector Borne Diseases, using Dengue as use case. This will enable further research and development of Open tools to track and study the evolution of these diseases.

<http://idatosabiertos.org/datos-abiertos-y-salud-el-caso-del-dengue/>

<http://www.opendataresearch.org/dl/symposium2015/odrs2015-paper30.pdf>

11/2014 – 06/2015. World Bank - Paraguay

- Lead the design and implementation of a web tool based on open data standards for checking the financial execution of the Ñamopora Ñanderape project implemented by the Ministry of Public Works and Communications from Paraguay (MOPC) and partially funded by the World Bank (www.mopc.gov.py/mopcweb/BM/IGAP/index.html).

11/2014 – 12/2014. Secretaría Nacional de la Vivienda y el Hábitat (SENAVITAT) - Paraguay

- Lead the design and implementation of a web based map for showing all the social housing projects implemented by SENAVITAT using open data standards (<http://www.senavitat.gov.py/mapaviviendas/>).

01/2014 – Currently. Polytechnic Faculty, National University of Asunción (Paraguay)

- Lecturer for the Open Data course for Informatics Engineering Program (http://opendata.pol.una.py/?page_id=154).
- Researcher in the field of Open Data, Natural Language Processing and Quality Assurance.

04/2013 – 12/2013. Polytechnic Faculty, National University of Asunción (Paraguay)

- Quality Assurance manager for the IT department.
- Leader of the implementation of the Financial Core of the Financial Development Agency of Paraguay (AFD).

04/2012 – 04/2013. University of Trento (Italy)

- Research Fellow. Data analysis systems. Knowledge evolution in distributed collaborative environments focused on heterogeneous data integration. Semantic matching, entity matching.
- Open Data Trentino project: Semantic matching applied to Open data for data integration in the pipeline publishing integrated public sector information of the Autonomous Province of Trento (Italy)

04/2009 – 04/2012. Insemtives.eu (Trento - Italy)

- Research Assistant. Semantic annotation systems, Knowledge Evolution

11/2008 – 03/2012. University of Trento -Italy. DISI.

- PhD in Computer Science. Distributed Identity management.

09/2007 – 12/2008. OpenKnowledge.org (Trento - Italy)

- Research Assistant. Trust and reputation systems, Semantic matching.

06/2006 – 08/2007. NetVision S.A. (Asunción - Paraguay)

- Oracle 10g Database Administrator and application developer.
- ERP Development (Human Resources Module) in C# and Visual Basic using Microsoft Visual Studio 2005.

09/2005 – 09/2006 National Treasury Department. (Asunción - Paraguay)

- Oracle 9i Junior Database Administrator.
- Portal Development and Maintenance using JBoss Portal and Eclipse.

09/2004 – 09/2005 Softshop SA. (Asunción - Paraguay)

- DB2 certified database support.
- Web Application development using Java with Rational Application Developer.

02/2004 – 03/2004 Indufar CISA. (Asunción - Paraguay)

- Internship. Documentation systems development in Visual Fox Pro 8 and Microsoft SQL Server 2000.

05/2003 Supreme Electoral Court. (Asunción - Paraguay)

- Technical Support (Electronic ballot box), National Elections 2003.

1997 - 2002 María Cristina Hypermarkets. (Luque – Paraguay)

- 09/2001 – 03/2002 Operations Manager.
- 08/2000 – 03/2001 IT Department. Assistant.

TEACHING EXPERIENCE

- 2016 Lecturer. Summer course “Innovación Social y Transparencia mediante Datos Abiertos”. Polytechnic Faculty. National University of Asunción – Paraguay. (54 hours)
- 2014 Lecturer. Course “Open Data” Informatics Engineering Program. Polytechnic Faculty. National University of Asunción – Paraguay. (1 semester)
- 2005 Teaching Assistant. Course "Software Engineering III" Informatics Engineering Program. Polytechnic Faculty. National University of Asunción – Paraguay, Prof. Gilberto Salinas. (1 semester)

IT Project Management, cost estimation models, quality assurance.

EDUCATION

2008 - 2012 University of Trento. (Trento - Italia)
Ph.D. in Computer Science.

2001 - 2005 National University of Asuncion. Polytechnic Faculty.(San Lorenzo – Paraguay)
Informatics Engineering. (Graduated with first class honors)

09/1999 – 07/2000 Sint-Jozefscollege (Lommel – Belgium)
Last year of high school.

1994 - 1999 Chiang Kai Shek High School (Asunción – Paraguay)
High School Diploma (Average grade: 5 out of 5)

COMPUTER SKILLS

- Programming Languages: Java, C#, Visual Basic, PHP, Perl.
- Script Languages: JavaScript, ASP, PHP.
- Databases: Oracle, DB2 UDB, Microsoft SQL Server, MySQL, PostgreSQL.
- Other Technologies: HTML, JSP, JDBC, JBoss, Hibernate, Tapestry, Struts, Sonar for quality assurance.

LANGUAGES

SPANISH, GUARANI: Native languages.

ENGLISH: ANGLO (British-Paraguayan Cultural Association)
Asunción – Paraguay. *Intermediate Level Diploma*.

DUTCH: CENTRUM VOOR VOLWASSENENONDERWIJS (Adult Education
Center) Lommel - Belgium
Intermediate Level Diploma.

ITALIAN: Intermediate knowledge.

PUBLICATIONS

- ***Dengue Open Data***. Juan Pane, Verena Ojeda, Natalia Valdez. Open Data Research Symposium collocated with the International Open Data Conference. Ottawa – Canada. May 2015
- ***Toward Open Government in Paraguay***. Luca Cernuzzi, Juan Pane. In *Journal IT Professional*. IEEE. Sept.-Oct. 2014. Vol 16. Issue 5, pg 62-64.
- ***Open Government Data: Fostering Innovation***. Ivan Bedini, Feroz Farazi, Juan Pane, Ivan Takoyeu, David Leoni, Stefano Leuci. In proceedings of Shared Public Sector Information 2.0 Workshop collocated with Samos Summit. June 2014.
- ***Opening Public Deliberations: Transparency, Privacy, Anonymisation***. Eleonora Bassi, David Leoni, Stefano Leuci, Juan Pane, Lorenzino Vaccari. In proceedings of ICAIL 2013.
- ***Sense induction in folksonomies: A Review***. Pierre Andrews and Juan Pane. In *Journal Artificial Intelligence Review*. 2013. to appear, Springer.
- ***Trust and Matching Algorithms for Selecting Suitable Agents***. Narine Osman, Carles Sierra, Fiona McNeill, Juan Pane and John Debenham. In *Journal Transactions on Intelligent Systems and Technology*. 2013. to appear, ACM.
- ***An evaluation of ontology matching in geo-service applications***. Lorenzino Vaccari, Pavel Shvaiko, Juan Pane, Paolo Besana, and Maurizio Marchese. In *Journal of GeoInformatica*, 16:31–66, 2012.

- ***S-Match: an open source framework for matching lightweight ontologies.*** Fausto Giunchiglia, Aliaksandr Autayeu, and Juan Pane. *Semantic Web Journal*, (Semantic Web Tools and Systems), 2012. to appear.
- ***Semantic disambiguation in folksonomy: A case study.*** Pierre Andrews, Juan Pane, and Ilya Zaihrayeu. In *Journal of Advanced Language Technologies for Digital Libraries*, volume 6699 of Lecture Notes in Computer Science, pages 114–134. Springer Berlin / Heidelberg, 2011.
- ***A classification of semantic annotation systems.*** Pierre Andrews, Ilya Zaihrayeu, and Juan Pane. *Semantic Web Journal*, (Interoperability, Usability, Applicability), 2012. to appear.
- ***Sense induction in folksonomies.*** Pierre Andrews, Juan Pane, and Ilya Zaihrayeu. In Workshop on Discovering Meaning On the Go in Large Heterogeneous Data 2011. International Joint Conference on Artificial Intelligence, 2011.
- ***Supporting semantic annotations in flickr.*** Pierre Andrews, Juan Pane, Ilya Zaihrayeu, and Aliaksandr Autayeu. In Intelligent Computer Communication and Processing (ICCP), 2011 IEEE International Conference on, pages 187–194, aug. 2011.
- ***Semantic Annotation of Images on Flickr.*** Pierre Andrews, Sergey Kanshin, Juan Pane, and Ilya Zaihrayeu. In Grigoris Antoniou, Marko Grobelnik, and Elena Simperl, editors, Proceedings of ESWC 2011, volume 6644 of LNCS, pages 476–480. Springer, June 2011.
- ***Adopting semantic annotation systems for corporate portal management: a Telefonica case study.*** Ilya Zaihrayeu, Juan Pane, German Toro del Valle, and Pierre Andrews. In Proceedings of the 7th International Conference on Semantic Systems, I-Semantics '11, pages 179–182, New York, NY, USA, 2011. ACM.
- ***Service integration through structure preserving semantic matching.*** Fiona McNeill, Paolo Besana, Juan Pane, and Fausto Giunchiglia. *Cases on Semantic Interoperability for Information Systems Integration: Practices and Applications*, 11(Semantic Interoperability):26–45, 2009.
- ***Approximate structure-preserving semantic matching.*** Fausto Giunchiglia, Fiona McNeill, Mikalai Yatskevich, Juan Pane, Paolo Besana, and Pavel Shvaiko. In Proceedings of the OTM 2008 Confederated International Conferences. ODBASE 2008, pages 1217–1234, Moterrey, Mexico, 2008. Springer-Verlag.
- ***An application of approximate ontology matching in eResponse.*** Maurizio Marchese, Pavel Shvaiko, Lorenzino Vaccari, and Juan Pane. In 5th International ISCRAM conference, Washington. USA, 2008.
- ***Results of the ontology alignment evaluation initiative 2010.*** Jerome Euzenat, Alfio Ferrara, Christian Meilicke, Juan Pane, Francois Scharffe, Pavel Shvaiko, Heiner Stuckenschmidt, Ondrej Svab-Zamazal, Vojtech Svatek, and Cassia Trojahn dos Santos. In Proceedings of the 5th International Workshop on Ontology Matching (OM-2010),

volume 689 of CEUR Workshop Proceedings. CEUR-WS.org, 2010.

- **Results of the ontology alignment evaluation initiative 2009.** Jerome Euzenat, Alfio Ferrara, Laura Hollink, Antoine Isaac, Cliff Joslyn, Veronique Malaise, Christian Meilicke, Andriy Nikolov, Juan Pane, Marta Sabou, Francois Scharffe, Pavel Shvaiko, Vassilis Spiliopoulos, Heiner Stuckenschmidt, Ondrej Svab-Zamazal, Vojtech Svatek, Cassia Trojahn dos Santos, George A. Vouros, and Shenghui Wang. In Proceedings of the 4th International Workshop on Ontology Matching (OM-2009) collocated with the 8th International Semantic Web Conference (ISWC-2009), volume 551 of CEUR Workshop Proceedings. CEUR-WS.org, 2009.
- **Results of the ontology alignment evaluation initiative 2008.** Caterina Caracciolo, Jerome Euzenat, Laura Hollink, Ryutaro Ichise, Antoine Isaac, Veronique Malaise, Christian Meilicke, Juan Pane, Pavel Shvaiko, Heiner Stuckenschmidt, Ondrej Svab-Zamazal, and Vojtech Svatek. In Proceedings of the 3rd International Workshop on Ontology Matching (OM-2008) Collocated with the 7th International Semantic Web Conference (ISWC-2008), volume 431 of CEUR Workshop Proceedings. CEUR-WS.org, 2008.
- **DSOARA. Distributed Stream of Alarm Reduction Architecture.** Juan Pane, Marcelo Alvarez. Argentine Symposium on Computing Technology - AST 2006, Mendoza, Argentina, September 2006.

TECHNICAL REPORTS

- “Recommended standards and best practices for Open Data”. Stéphane Guidoin, Paulina Marczak, Juan Pane and James McKinney. Open data working group. Open Government Partnership.
<https://docs.google.com/document/d/1kBJIHSFfYOJUZYDyQCfir-aFNMQBFbfQD4zB9Sx5mPUg/edit?usp=sharing>
- Insemtives Deliverable 2.1.1: **Report on the State-of-the-art and Requirements for annotation Representation Models.** Tobias Burger, Ilya Zaihrayeu, Pierre Andrews, Denys Babenko, Juan Pane, Borislav Popov. *June 2009*.
http://www.insemtives.eu/deliverables/Insemtives_d2.1.1.pdf
- Insemtives Deliverable 2.1.2: **Specification of Models for Representing Single-user and Community-based Annotations of Web Resources.** Tobias Burger, Olga Morozova, Ilya Zaihrayeu, Pierre Andrews, Juan Pane. *September 2009*.
http://www.insemtives.eu/deliverables/Insemtives_d2.1.2.pdf
- Insemtives Deliverable 2.2.1. **Report on methods and algorithms for bootstrapping Semantic Web content from user repositories and reaching consensus on the use of semantics.** Pierre Andrews, Juan Pane, Ilya Zaihrayeu. *November 2009*.
http://www.insemtives.eu/deliverables/Insemtives_d2.2.1.pdf
- Insemtives Deliverable 2.2.2: **Report on methods and algorithms for linking user-generated semantic annotations to Semantic Web and supporting their evolution in time.** Tobias Burger, Olga Morozova, Ilya Zaihrayeu, Pierre Andrews, Juan Pane. *November 2009*. http://www.insemtives.eu/deliverables/Insemtives_d2.2.2.pdf
- Insemtives Deliverable 2.4: **Report on the refinement of the proposed models, methods and semantic search.** Pierre Andrews, Ilya Zaihrayeu, Juan Pane, Aliaksandr

Autayeu, Marin Nozhchev. *November 2009.*

http://www.insemtives.eu/deliverables/INSEMTIVES_D2.4.pdf

- Insemtives Deliverable 3.2.2: **Semantic Content Management Platform.** Marin Nozhchev, Ilya Zaihrayeu, Mihail Konstantinov, Juan Pane. *March 2011.*
http://www.insemtives.eu/deliverables/INSEMTIVES_D3.2.2.pdf
- Insemtives Deliverable 4.3.2: **Bootstrapping tools for image files.** Juan Pane, Ilya Zaihrayeu, Pierre Andrews. April 2010.
http://www.insemtives.eu/deliverables/INSEMTIVES_D4.3.2.pdf
- OpenKnowledge Deliverable 3.5: **Specification of the Good Enough Answer Component.** Pavel Shvaiko, Fausto Giunchiglia, Juan Pane, Paolo Besana. *January 2008.*
<http://www.cisa.informatics.ed.ac.uk/OK/Deliverables/D3.5.pdf>
- OpenKnowledge Deliverable 3.6: **Implementation of the Ontology Matching Component.** Pavel Shvaiko, Fausto Giunchiglia, Mikalai Yatskevich, Juan Pane, Paolo Besana. *April 2008.* <http://www.cisa.informatics.ed.ac.uk/OK/Deliverables/D3.6.pdf>
- OpenKnowledge Deliverable 3.7: **Summative report on matching implementation and benchmarking results.** Lorenzino Vaccari, Juan Pane, Pavel Shvaiko, Maurizio Marchese, Fausto Giunchiglia, Paolo Besana, Fiona McNeill. *November 2008.*
<http://www.cisa.informatics.ed.ac.uk/OK/Deliverables/D3.7.pdf>
- OpenKnowledge Deliverable 4.3: **Plug-in component supporting query answering.** Pavel Shvaiko, Fausto Giunchiglia, Paolo Besana, Juan Pane, Mikalai Yatskevich. *January 2008.* <http://www.cisa.informatics.ed.ac.uk/OK/Deliverables/D4.3.pdf>
- OpenKnowledge Deliverable 4.6: **Good enough answer Plug-in component.** Pavel Shvaiko, Fausto Giunchiglia, Juan Pane, Paolo Besana. *December 2007.*
<http://www.cisa.informatics.ed.ac.uk/OK/Deliverables/D4.6.pdf>
- OpenKnowledge Deliverable 4.8: **Plug-in component supporting trust.** Juan Pane, Carles Sierra, Adrian Perreau de Pinninck, Pavel Shvaiko. *April 2008.*
<http://www.cisa.informatics.ed.ac.uk/OK/Deliverables/D4.8.pdf>
- OpenKnowledge Deliverable 4.9: **Summative report on GEA, Trust and reputation. Integration and evaluation results.** Juan Pane, Carles Sierra, Gaia Trecarichi, Maurizio Marchese, Paolo Besana and Fiona McNeil. *February 2009.*
<http://www.cisa.informatics.ed.ac.uk/OK/Deliverables/D4.9.pdf>

OTHER STUDIES

- AFS – Intercultural Programs. Year Program 1999 – 2000. Lommel – Belgium.
- IBM CERTIFIED DATABASE ASSOCIATE
DB2 UDB V8.1 Family Fundamentals
- IBM CERTIFIED DATABASE ADMINISTRATOR
DB2 UDB V8.1 for Linux, Unix, and Windows Database Administrator