

# LUZ ANDREA LAZARTE AGUIRRE

Environmental Engineering Degree  
Universidad Nacional Agraria La Molina

Master of Business Administration (MBA)  
CENTRUM Católica Business School

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Identification number: 46011910  
Birth Date: November 1st, 1989

## Objetive

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I have as personal vision become a leading professional in environmental science, capable of generating knowledge and guiding my efforts in pursuit of human welfare.

## Profile

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Bachelor of the Science Faculty of the Agraria La Molina University, graduated in first place in the Environmental Engineering career (class of 2013-II).

I've participated in the development of environmental studies for mining and transportation sectors, with experience in developing social and environmental baseline in both cases. I've supervised and monitoring noise, physicochemical parameters in-situ water, among others. On the other hand, I have handled and deepened about the corresponding industrial processes to developing friendly products environment (biodiesel, biological and biogas) and energy projects. For more than two years, I participated in the development of environmental impact assessments, water use permits and other environmental studies.

I am currently a candidate for a Master degree in Business Administration from CENTRUM Católica Business School, in collaboration with University of Victoria (British Columbia, Canada) and Maastricht University (The Netherlands).

## Personal Development

I have participated in various social projects, visiting nursing homes, hospitals, in order to know and see with greater depth and closeness the national reality and poverty within my country. I have traveled abroad and met the reality outside my country as well. I took some business courses in Tokyo, Japan, paid buy my university in Peru (Agraria La Molina University). Most recently I was selected for the Mars Society to participate in a simulation project of life on Mars, MDRS-Utah, USA.

I'm now a scholarship recipient from CENTRUM Católica Business School, opting for a Master degree in Business Administration (MBA) – TRICONTINENTAL MASTER IN GLOBAL BUSINESS Program.

## Studies

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- Preschool and primary school from 1995 to 2001. Cristo Rey School, Pueblo Libre - Lima - Peru
- High school from 2002 to 2006. Cristo Rey School, Pueblo Libre - Lima - Peru
- Pre Summer University 2004. Cayetano Heredia University, Miraflores, Lima, Peru.
- Pre University 2006-II - 2007-I. Universidad Nacional Agraria La Molina, Jesus Maria, Lima - Peru.
- University 2007 - 2007-II. Universidad Nacional Agraria La Molina, La Molina, Lima - Peru. Environmental Engineering in the Science Department.
- University 2008-2009. Tokyo University of Agriculture, Tokyo, Japan. International Bio Business.
- University 2010 - 2013. Universidad Nacional Agraria La Molina, Lima - Peru. Environmental Engineering in the Science Department.
- Post graduate 2015 – 2016. CENTRUM Católica Business School, University of Victoria (Canada) and Maastricht University (The Netherlands).

## Distinctions

- Have occupied the first place throughout my school life (top fifth).
- Second Place Spelling Bee 2001. Pueblo Libre.
- Have been a coordinator and leader of the Green Living - Protecting the Rights of the Environment (2006).
- Distinction of Honor "Cristo Rey School" (2006).
- Academic Distinction "Cristo Rey School" (2006).
- Have occupied third place in the final overall result for the Pre entrants of Universidad Nacional Agraria La Molina (UNALM) for Environmental Engineering.
- Have occupied first place during my studies at UNALM within the Department of Science (2007-II, 2010-I, 2010-II).
- Have occupied the second, fourth, fifth, sixth and fourth place during my studies at UNALM within the Department of Science (2011-I, 2011-II, 2012-I, 2012-II and 2013-I). Top fifth and honor roll.
- Have been under the Fifth Higher at Agricultural University of Tokyo, Japan.
- Award Women@The Frontier to entrepreneur women. By Microsoft Intel and Softline Peru (September 26<sup>th</sup>, 2013).
- Finished my graduate studies in 1<sup>st</sup> place of Environmental Engineering and 3<sup>rd</sup> place in the Science department. Top tenth and honor roll.
- Acknowledgment for outstanding student in the International Supply and Logistics course at the University of Victoria, which was part of my MBA program.

## Other studies

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- International Bio Business Career at the Tokyo University of Agriculture, in the period May 2008 to December 2009.

Japanese language courses:

- Bio Marketing Business
- Bio Informatics Business
- Bio Administration Business and Finance,
- Biotechnology Business,
- Book Keeping,
- Bio Business Financial Accounting,
- Economic and Political Science,
- Network and Information
- Theory of Information Security,
- International Agriculture,
- Business Bio Meteorology,
- Circulation of Agricultural and Food,
- Urban and Regional Ecology,
- Bio Analytical Model of Business,
- Corporate Food Administration,
- Processing of agricultural products
- Preservation of the Environment,
- Environmental Economics,

English language courses:

- Environment, Society and Culture (Medio Ambiente, Sociedad y Cultura),
  - Japanese Agriculture Development (Desarrollo de la Agricultura Japonesa),
  - TOEFL/TOEIC (Conocimiento del Idioma Inglés),
  - Food and Environment in Economic Development (Comida y Medio Ambiente en el Desarrollo Económico),
  - International Food Trade (Intercambio Internacional de Alimentos),
  - Agricultural Development (Desarrollo Agrícola).
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- Mars Society's Rotation at MDRS (From March 6th to March 25th, 2013). Research about life on Mars; simulated in the Utah's desert - United States. Becoming the first team from Peru in joining this international project.
  - Course on Environmental Economics and Economic Valuation of Ecosystem Services (from November 4<sup>th</sup> to December 2013). Pontifical Catholic University of Peru.
  - Specialization Program of Evaluation and Monitoring of Environmental Quality (from May 19<sup>th</sup> to December 14<sup>th</sup>, 2014). Agraria La Molina University.
  - Postgraduate studies in Integrated Management System (From October 19<sup>th</sup> to March 2015). Graduate School of Industrial and Systems Engineering, National University of Engineering.
  - Online specialization in Application of Renewable Energy (From November 19<sup>th</sup>, 2014 to May 2015). European Scientific Atlantic University (España) and Científica del Sur University (Peru).
  - Online course of Thermodynamics: Introduction (February-March 2015). University of Michigan.

## Conferencias, charlas, cursos

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### As attendant/Invited:

- Attendant at the First International Forum "Social Responsibility and Environment". November 7<sup>th</sup> and 8<sup>th</sup> of 2007 at the Hotel Sol de Oro, Miraflores.
- Attendant at Dr. Jose Luis Cordeiro's speech. Singularity University. April 26<sup>th</sup> of 2013, at PetroPeru.
- Conference #innovape with representatives of IDEO, the creator of rapid prototyping methodology "design thinking". June 6<sup>th</sup> of 2013, at the Swissotel, San Isidro.
- Conference about the benefits of solar thermal copper industry, commerce and housing. August 27<sup>th</sup> of 2013, at Agraria La Molina University with the collaboration of the International Association Cooper of Peru.
- Third Symposium on Solid Waste Management. September 5<sup>th</sup> to 7<sup>th</sup> of 2013. Agraria La Molina University.
- Women @ the Frontier with Susan Fonseca, co-founder of Singularity University (SU) in Silicon Valley. September 26<sup>th</sup> of 2013, at Microsoft's office in Lima.
- Course on Environmental Economics, Economic Valuation of Ecosystem Services. November 4<sup>th</sup> to 18<sup>th</sup> of 2013. Pontifical Catholic University of Peru.

### As exponent:

- Speaker at the 2008 ISF - International Summit of Environment and Social Responsibility (International Forum for Social Responsibility and Environment) at Tokyo University of Agriculture, Japan (2008).
- Participant and speaker at the 4th session of CINTENCIN with the presentation of "Experience at MDRS and Scientific and Technological Research Peruvian Opportunities for Students". April 16<sup>th</sup> of 2013, at the Ministry of Production.
- Speaker to celebrate the thirty-ninth anniversary of creation of the National Commission for Aerospace Research and Development - CONIDA, with the theme "SIMULATION EXPERIENCE AND PROJECTS OF LIFE ON MARS" - MARS SOCIETY. June 7<sup>th</sup> of 2013, at its headquarters.
- Speaker at the celebration of the first anniversary of the Innovation Center IPAE, #innovape. June 4<sup>th</sup> of 2013, in the Restobar "Santa Diabla".
- Talk Entrepreneurs Lab. Directed by Irina Rymshina. May 25<sup>th</sup> of 2013, at San Ignacio de Loyola University.
- Talk about the experience at MDRS - Mars Society. May 23<sup>rd</sup> of 2013, at the Pontifical Catholic University of Peru.
- Speaker at the 16th Annual Convention of The Mars Society with the theme "ANALOGUE EVA PLANETARY EMERGENCY MEDICAL SIMULATIONS" as part of Crew 126 team and as executive director of The Mars Society Peru. August 7<sup>th</sup> to 20<sup>th</sup> of 2013, at University of Boulder, Colorado.
- Speaker at the Second Meeting of Women @ TheFrontier about the experience as part of The Mars Society and as CEO of The Mars Society Peru. October 26<sup>th</sup> of 2013, at S Auditorium of the University of Lima.
- Lecturer in the First Lecture Group's Astrobiology celebrating Astrobiology Day about the experience as a part of The Mars Society and as CEO of The Mars

Society Peru. December 6<sup>th</sup> of 2013, in Faculty of Physical Sciences of the San Marcos National University.

- Speaker at The Magic of Technology Group International Women @ TheFrontier with the exhibition "colonization of Mars is no longer science fiction". March 10<sup>th</sup> of 2014 at the Auditorium of INICTEL-UNI (National Institute of Research and Training in Telecommunications).
- Conference about Environment celebrating Earth's Day and as an introduction to Environmental Engineering. April 22<sup>th</sup> of 2014, in the Northern Private University (Campus Los Olivos).
- Conference at the First International Congress of Technologies with the presentation "MDRS Peruvian Experience". May 24<sup>th</sup> of 2015 at the Auditorium of INICTEL-UNI (National Institute of Research and Training in Telecommunications).

## **Employement**

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### ***PART-TIME***

- Assistant in the coordination area of A & C Events Company in the workshops for ESSALUD (2007 and 2008).
- Assistant chef at the American International restaurant TGI Fridays in Tokyo, Japan, in the period August 2008 to December 2009.
- Responsible for customer service, assistant manager and bartender of Spanish-Asian international restaurant "Tokyo Pio", in Tokyo, Japan, in the period June 2008 to December 2009.
- Responsible for customer service, assistant and bartender of Latin American food restaurant "Romina" in Tokyo, Japan, in the period March 2008 to December 2009.
- Responsible for cleaning and cleanliness of the Tokyo University of Agriculture, as part of the work this university offers to help international students in the period May 2008 to December 2009.
- Assistant in the Library of the Tokyo University of Agriculture, in the period May 2009 to December 2009.
- Assistant at the Computer Room of Tokyo University of Agriculture, in the period May 2009 to December 2009.
- Spanish and English teacher to various students citizens of Tokyo, Japan, during the period July 2008 to November 2009.

### ***PRE PROFESIONAL***

- I have participated and elaborated engineering projects of Environmental Engineering at Carranza Consulting in the period from December to March of 2010, 2011 and 2012.  
*My tasks were linked to assist and supplement my training process having performed service activities from preparation of environmental impact studies, the analysis of data, supervision and monitoring and learning from others.*
- I co organized the Environmental Responsibility Award (2010, 2011 and 2012) in the NGO Environmental Engineering Ghiis Jaa in the period from December to March of 2010, 2011 and 2012.

*My tasks were related to the organization and planning of the Environmental Responsibility Award for companies with leading environmental quality, first having investigated in various areas and service categories.*

- Health and Safety Officer as part of Crew 126 at the Mars Society Research Station MDRS (From March 6th to March 25th, 2013). Research about life on Mars, simulated in the Utah's desert - United States.
- Executive Director of The Mars Society Peru. From May 2013 until present.
- External coordinator of the Water for Life Program of the Committee for Investment and Work-CIT Peru. From May 2013.
- Assistant at the Biodiesel Plant of Renewable Energy Laboratory at Agraria La Molina University. From July 2013 to December 2013.

### **PROFESIONAL**

- Executive director in charge of the area of Sustainable Development, at the consulting firm PLACE, since 2007
- Professional assistant at the consulting firm INSIDEO SAC. January 6<sup>th</sup> of 2014 to April 3<sup>rd</sup> of 2014.
- Environmental analyst I at the consulting firm INSIDEO SAC. April 4<sup>th</sup> of 2014 to June 30<sup>th</sup> of 2015.
- Environmental analyst II at the consulting firm INSIDEO SAC. From July 1<sup>st</sup> of 2015 to August 30<sup>th</sup> of 2015.

## **Projects in which I have participated**

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### **INSIDEO S.A.C.**

- Informe Técnico Sustentatorio del Proyecto de Óxidos de Alta Ley Mina Justa. Marcobre S.A.C. Ica, Perú.
- Supervisión y ejecución del trabajo de campo para la Línea Base Ambiental del Proyecto de Exploración Taucane. MINSUR S.A.
- Estudio de Impacto Ambiental Semidetallado del Proyecto de Exploración Taucane. MINSUR S.A., Puno, Perú.
- Estudio de Impacto Ambiental del Proyecto Centrales Hidroeléctricas del río Araza. Electro Araza S.A.C.
- Primera Ronda de Talleres Participativos del Proyecto Línea de Transmisión Eléctrica de 220 kV Limacpunco - Onocora. Electro Araza S.A.C. Cusco, Perú.
- Tercera Ronda de Talleres Participativos del Proyecto Central Hidroeléctrica Tulumayo V y Línea de Transmisión Eléctrica Asociada. EGEJUNÍN Tulumayo V S.A.C. Junín, Perú.
- Talleres complementarios de los Proyectos Central Hidroeléctrica Tulumayo IV y Líneas de Transmisión Eléctrica Asociadas y Central Hidroeléctrica Tulumayo V y Línea de Transmisión Eléctrica Asociada. EGEJUNÍN Tulumayo IV S.A.C. y EGEJUNÍN Tulumayo V S.A.C. Junín, Perú.
- Informe Final Monitoreo de Vida Acuática en el Área de Influencia de Yanacocha – Temporada Húmeda 2014. Sección de Calidad de Agua superficial y Sedimentos. Minera Yanacocha S.R.L.
- Estudio de Impacto Ambiental del Proyecto Línea de Transmisión Eléctrica de 220 kV Limacpunco – Onocora. Electro Araza S.A.C.

- Primera Ronda de Talleres Participativos del Proyecto Línea de Transmisión Eléctrica de 220 kV Limacpunco - Onocora. Electro Araza S.A.C. Cusco, Perú.
- Segunda Ronda de Talleres Participativos del Proyecto Línea de Transmisión Eléctrica de 220 kV Limacpunco - Onocora. Electro Araza S.A.C. Cusco, Perú.
- Informes de Monitoreo Ambiental – Calidad de Agua Superficial en el área de influencia del Proyecto Central Hidroeléctrica La Virgen. La Virgen S.A.C. (LA VIRGEN). San Ramón, Chanchamayo – Junín.
- Integración y Actualización de las Certificaciones Ambientales del Depósito de Concentrado Miller. Impala Perú S.A.C. Cercado de Callao, Callao.

#### **ONG CIT PERÚ (COORDINADORA POR LA INVERSIÓN Y EL TRABAJO)**

- Estudio de Buenas Prácticas Municipales en Gestión del Agua y Medio ambiente, como base del premio “Agua para Vivir 2013” dirigido a los gobiernos locales en Lima.

#### **CONSULTORIA CARRANZA E.I.R.L.**

- Plan de Manejo de Residuos Sólidos de los años 2012 y 2013. Empresa Comercial Matusita S.A.C., Lima, Perú.
- Línea Base del Estudio de Impacto Ambiental del Proyecto de Construcción del Ferrocarril Iquitos – Yurimaguas. Empresa Española GETINSA, Iquitos, Perú.
- Levantamiento de Observaciones al Estudio de Impacto Ambiental del Proyecto de Alcantarillado en Iquitos. Empresa China Internacional Water & Electric Corp, Iquitos, Perú.
- Trabajos del Plan de Participación Ciudadana en el marco del Estudio de Impacto Ambiental del Proyecto de Alcantarillado en Iquitos. Empresa China Internacional Water & Electric Corp, Iquitos, Perú.
- Estudios preliminares para la elaboración del Global Reporting Initiative (GRI). Empresa Mota Engil S.A., Lima, Perú.
- Evaluación Ambiental Preliminar del Proyecto de Construcción de la Autopista Canta - Callao. Municipalidad de Lima, Lima, Perú.
- Monitoreos ambientales en el marco de la Evaluación Ambiental Preliminar del Proyecto de Construcción de la Autopista Canta - Callao. Municipalidad de Lima, Lima, Perú.
- Revisión de reportes de monitoreo ambiental y elaboración de informes de desempeño ambiental.
- Apoyo en las coordinaciones para la realización de eventos de Participación Ciudadana y Consulta Previa.

#### **ONG GHISS JAÁ**

- Coordinaciones con instituciones estatales, empresas contratistas y otras entidades públicas y privadas.
- Estudio y recopilación de Buenas Prácticas Empresariales en Cuidado y Preservación del Medio ambiente, como base del “Premio Responsabilidad Ambiental” (años 2010, 2011 y 2012).

## Publications

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### Spanish:

- Estudio Municipal de las Mejores Prácticas del Manejo del Agua – Julio del 2013, CIT Perú.

### English:

- *Data Acquisition Module Study (DAMS) at MDRS*. Diaz, Alejandro R.; De las Casas, Humberto J.; Lazarte, Andrea; Trujillo, Saul; Abarca, Monica; Onchi, Eiji.
- *Planetary Analogue EVA Medical Emergency Simulations*. Lazarte, Andrea; Diaz, Alejandro R.; De las Casas, Humberto J.; Trujillo, Saul; Abarca, Monica; Onchi, Eiji.
- *Establishment of a Mars Analogue Research Station in Pampas de La Joya (Peru's Atacama Desert)*. Diaz, Alejandro R.; De las Casas, Humberto J.; Lazarte, Andrea; Trujillo, Saul; Abarca, Monica; Onchi, Eiji.
- *Team Peru Observations: MDRS Crew 126*. Diaz, Alejandro R.; De las Casas, Humberto J.; Lazarte, Andrea; Trujillo, Saul; Abarca, Monica; Onchi, Eiji.

## Informatic and English Knowledge

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### Informatic studies:

- Advanced level in Word, Excel, Power Point.
- Intermediate level in Publisher, Corel Draw, Frontpage and Photoshop.
- Basic level at ArcGis 10.
- Basic level at QGis.

### Languages:

- ENGLISH: Advanced Level.
  - Certified by the Language Centre of the Catholic University of Peru.
  - Top score of TOEIC (TOEFL applied in Japan).
- JAPANESE: Intermediate Level. Tokyoun Nougyou Daigaku.
- PORTUGUESE: Basic Level. National University of Callao.
- MANDARIN: Basic Level. Part of my MBA program.

## References

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- Fisheries Engineer Teresa Isabel Amaya Carranza. General Manager, NAYLAMP Consulting. Phone: 261-9428.
- Chemical Engineer Raymundo Carranza. Director, Carranza Consulting. 461-1863.
- Sister. Yenny Velasquez Velasquez. Director, Cristo Rey School.