

PERSONAL INFORMATION



Andrea Catalina, Fajardo Puente

 Fischertwiete 1, Chilehaus Eingang B, 20095 Hamburg, Germany

 +49(0)40226 338 454

 andrea.fajardo@hzg.de

 <https://www.linkedin.com/in/andrea-catalina-fajardo/>

 Skype andiefajardo

Sex female | Date of birth 25/09/1990 | Nationality Colombian

WORK EXPERIENCE

May 2018-Present

Researcher PhD Candidate at Integrative Modelling Lab Project - Climate Change and Resilience

Climate Service Center Germany (GERICS) Hamburg, Germany

- Analysis of impacts of global change at the local and regional scale through the creation of integrative models for the resilience of the farmers in Germany
- [Business or sector](#) Academy, applied research

May 2017- September 2017

Intern at Solar Energy Project

Phaesun GmbH, Memmingen Germany

- Develop the Master Thesis Computational optimisation of PV-electrodialysis of saline water for various climates framed in the European project REvived
- [Business or sector](#) Solar energy

May 2016- April 2017

Student Assistant in environmental and soil projects

TerrAquat GmbH, Nürtingen Germany

- processing and analysing soil samples from contaminated fields with heavy metal and organic compounds
- taking up samples from experimental fields for later processing
- involved in a statistical project related to data from agricultural fields

[Business or sector](#) Soil science

February 2015 - Sept 2015

Sustainable Project Engineer

Ecotécnica, Bogotá, Colombia

- designed and implemented sustainable and environmental projects in developing regions around Bogotá
- working on management system documents

[Business or sector](#) Environmental Projects

March 2015 - Sept 2015

Environmental Technical Support

Corporación País Rural, Bogotá, Colombia

- executed a community project in a remote mountain region to recover and preserve water resources for agriculture and living.
- compiled all management project document and data for reporting to authorities.

[Business or sector](#) Environmental Projects

May 2014 - Sept 2015

Voluntary Service

MUYA, Bogotá, Colombia

- performed practical workshops in rural/semi-urban communities related to sustainable agriculture and small scale biogas.
- supported ongoing fundraising project regarding water treatment for human consumption in a remote region in Colombia

March 2013 - February 2014 **Business Sector:** NGO, environment and agriculture, renewable energies

Manufacturing Technology Engineer

Uniphos Colombia Plant Limited, Barranquilla, Colombia

- developed from lab to plant scale projects of fungicide formulations
- worked in plant improvement and optimisation projects

Nov 2011 - January 2011

Business Sector: chemical industry, fungicides

Environmental, Health and Safety Engineer Intern

Rohm and Haas Colombia Ltda. Subsidiary of Dow Chemical Co., Barranquilla, Colombia

- led plant process water consumption reduction project
- coordinated plant solid waste management

Business Sector: chemical industry, special materials

EDUCATION AND TRAINING

October 2015-January 2018

MSc. Environmental Protection and Agricultural Food Production

EQF 7

Hohenheim University, Stuttgart Germany

- Renewable energy sources and biogas production in developing regions and sustainable agriculture practices.

Feb 2007 - December 2012

BSc. Chemical Engineering

EQF 6

Universidad del Atlántico, Barranquilla Colombia

- Processing Engineering, Chemical Processes Simulation

PERSONAL SKILLS

Mother tongue(s) Spanish

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
IELTS					
German	B2	B2	B2	B2	B2

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
[Common European Framework of Reference for Languages](#)

Communication skills

- good communication skills at all levels gained through my experience as project engineer and working with local communities

Organisational / managerial skills

- leadership as sustainable project engineer where I had to lead a group of 5 people.
- creating and sustaining new communitarian processes due to my volunteering experience and student groups participation

Job-related skills

- team player due to my experience in project management and deliver results in a pressure situations
- time and limited resources management due to my experience in the NGO sector working with communities with scarce financial resources

- Other skills
- Design Thinking Methodology, Urban Agriculture, Yoga

ADDITIONAL INFORMATION

- Conferences
- Global Landscapes Forum, Bonn Germany, December 2017
- Honours and awards
- Former DAAD scholarship holder and Dill-Volk Scholarship for postgraduate studies in Germany
- Memberships
- Member of Young Leaders of the Americas Initiative and Youth Ambassador at Global Landscapes Forum
- Certifications
- International Solar Employee at SRH Hochschule, Berlin February 2018