

# CAMILA ALEJANDRA GORDON

Agricultural engineer, Msc. Student.

E-mail: canocuag@unal.edu.co ♦ Telephone: +528115726140



## EDUCATION

---

**Institut National de la Recherche Scientifique, Quebec, CA**

*April 2020 - Present*

Masters in Water Science

Department of Water, Earth and Environment.

**Universidad Nacional de Colombia, Bogota**

*August 2013 - 2020*

Bachelor degree in Agricultural Engineering

Department of Civil and Agricultural Engineering.

## CURRENT FIELD OF RESEARCH

---

Development of regional plans for wetlands and bodies of water by documenting their role in environment, characterizing and planning the restoration of the overflow plains associated with watercourses, with a view to climate change relating it with the potential flood risk.

**Fields of study:** Hydrological modeling, flood risk, terrain analysis.

## PROJECTS

---

**Analysis of the climate variability risk of coffee growing using images satellites.**

Presented at the IX Latin American Congress of Agricultural Engineering Students, this project aimed to generate temperature change map for a coffee producing region in Colombia. Variables such as environmental, social and economic indicators were used to estimate vulnerability and threat in the face of temperature fluctuations. A model were developed using satellite images..

**Basil in a protected environment**

The project consisted of the production of a Basil science dissemination magazine, such as the morphology of the crop, its infrastructure, the type of irrigation and the result of a study carried out inside a greenhouse.

**Review of smart environment control strategies to improve animal welfare in pig production.**

Definition of a protocol that allows studying the parameters and strategies on the control of the environment such as temperature and ventilation rates in swine production taking into account animal welfare

## TECHNICAL STRENGTHS

---

<b>Modeling and Analysis</b>	AutoCad, Hydrotel, ArcGis
<b>Software &amp; Tools</b>	Latex, Matlab, C++, Rstudio

## SCHOLARSHIP AWARDS

---

**Emerging Leaders in the Americas Program (ELAP) Government of Canada 2019**  
**Research Internship**

## WORK EXPERIENCE

---

<b>COLTEIN LTDA, Bogota</b> <i>Business consultant</i>	August 2017
---	-------------

- Support during the AGROEXPO 2017 fair in advising on the management of sensors, equipment for environmental monitoring and technology implementation in agriculture.

<b>Institut National de la Recherche Scientifique (INRS)</b> <b>Institut de recherche et de developpement en agroenvironnement (IRDA)</b> <b>Quebec</b> <i>Research Intern</i>	September 2019
---	----------------

- Development of a protocol for defining the appropriate conditions of control in animal welfare in the swine production

## COURSES

---

<b>Inter-American Institute for Cooperation on Agriculture</b> Management of water resources for a climate resilient agriculture.	40 hours
--	----------

<b>Universidad Nacional de Colombia</b> Environmental conditioning, energy efficiency and energy audits in agribusiness buildings.	60 hours
---	----------

## VOLUNTEERING

---

Volunteer at World Summit of Nobel Peace Laureates (Bogota, Colombia) Permanent Secretariat of Nobel Peace Laureates, Bogota 2017

One Young World Summit 2018

Leader of Educational Peace Program NGO Techo-Colombia 2017.