

# Dr. Leonardo Ramirez-Lopez

Industry Scientist

St. Gallen, Switzerland

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## Education

### MSc in Business Analytics (with Distinction)

Imperial College London – Business School

United Kingdom

2023–2025

### Postdoc

ETH Zürich

Switzerland

2013–2015

### Dr. rer. nat. (magna cum laude)

Eberhard Karls Universität Tübingen

Germany

2009–2013

### MSc in Agronomy (Soil Science and Plant Nutrition)

University of São Paulo

Brazil

2007–2009

## Work experience

### Head of Data Science

Data Science Department, BUCHI Labortechnik AG

Switzerland

2020–Present

### Data Analytics Manager, NIR

Department of Near Infrared (NIR) Spectroscopy, BUCHI Labortechnik AG

Switzerland

2016–2020

### NIR Software Specialist

Department of Near Infrared (NIR) Spectroscopy, BUCHI Labortechnik AG

Switzerland

2014–2016

### Postdoctoral Researcher

ETH Zürich / Swiss Federal Institute for Forest, Snow and Landscape Research (WSL)

Switzerland

2013–2015

### Associate Scientist

Department of Geosciences, Eberhard Karls Universität Tübingen

Germany

2014

### Researcher

Georges Lemaître Centre for Earth and Climate Research, Université Catholique de Louvain

Belgium

2011–2012

### Plant Breeding Manager

Palmar del Llano (Oil Palm Plantation)

Colombia

2007

### Research Intern

Colombian Research Centre for Oil Palm (Cenipalma)

Colombia

2006

## Professional engagement

### FAO Global Soil Partnership

Member of the soil spectroscopy steering committee of the FAO Global Soil Partnership, contributing to international coordination, standards, and capacity development in soil spectral analysis.

### FAO Consultant Roster

Included on the FAO consultant roster for technical assignments, indicating eligibility for short-term expert engagements with the Food and Agriculture Organization of the United Nations.

## Tech stack

### For example...

R, Python, SQL, Julia, C++, machine learning frameworks, data visualisation tools, ...