

**Rafael Enrique Vargas Lara**  
**Geospatial Applications Web Developer**

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### EXPERTISE

Full-stack developer and data analyst with advanced experience in the design, implementation and maintenance of website platforms that allow the analysis of different types of information. Developed solutions include platforms focused on information flows around forest cover, agriculture and socioeconomic indicators in tropical jurisdictions facilitating relations between investors and producers (e.g. [greenjurisdictions.org](http://greenjurisdictions.org), [cdsafeirasisa.acreppp.org](http://cdsafeirasisa.acreppp.org), [acreppp.org](http://acreppp.org)) as well as the creation of platforms for monitoring rural jurisdictional development policies through government monitoring systems (e.g. [projectflow.earthinnovation.org](http://projectflow.earthinnovation.org), [pcimonitor.org](http://pcimonitor.org), [produceprotectplatform.com](http://produceprotectplatform.com), [geoapic7.unodc.org.co](http://geoapic7.unodc.org.co)).

I worked with international companies such as the Rainforest Alliance and Verra to develop the LandScale platform to collect and monitor landscape information ([platform.landscape.org](http://platform.landscape.org)).  
Direct working experience in USA, Colombia, Ecuador, Peru, Brazil, Mexico and Indonesia.

### EDUCATION

2009 Bachelor's degree, Cadastral engineering and Geodesy, District University of Bogotá, Colombia

### PROFESSIONAL EXPERIENCE

- 2016-Present Geospatial Applications Web Developer, Earth Innovation Institute (EII), San Francisco, CA  
2014-2017 Development and Analyst of Geospatial and Information Technology, Alternative Development Program, UNODC Colombia
- 2012-2014 Geographic Information Systems Analyst, Alternative Development Program -- United Nations Office on
- Drugs and Crime (UNODC-Colombia)
- 2011-2012 Digital Image Processing Engineer, SIMCI Project -- United Nations Office on Drugs and Crime (UNODC-Colombia)
- 2009-2011 Engineering Assistant, SIMCI Project -- United Nations Office on Drugs and Crime (UNODC Colombia)

### PUBLICATIONS

- Daniel Nepstad, Juan Pablo Ardila, Claudia Stickler, Maria de los Angeles Barrionuevo, Tathiana Bezerra, Rafael Vargas, Gabriel Rojas (2021) Adaptive management of jurisdictional REDD+ programs : a methodology illustrated for Ecuador, Carbon Management, 12:3, 323-333, DOI : 10.1080/17583004.2021.1926331
- 2018 Stickler, C.M., A.E. Duchelle, J.P. Ardila, D.C. Nepstad, O.R. David, C. Chan, J.G. Rojas, R. Vargas, T.P. Bezerra, L. Pritchard, J. Simmonds, J.C. Durbin, G. Simonet, S. Peteru, M. Komalasari, M.L. DiGiano, and M.W. Warren. 2018. The State of Jurisdictional Sustainability. San Francisco, USA: Earth Innovation Institute/Bogor, Indonesia: Center for International Forestry Research/Boulder, USA: Governors' Climate & Forests Task Force Secretariat
- 2017 Vargas, Rafael. 2017. Análisis del cultivo de coca como motor de deforestación en el contexto del Desarrollo Alternativo y REDD+, en las regiones Amazonía y Catatumbo (2005-2014).
- 2017 Vargas, Rafael. 2017. Coca y Deforestación: Mensajes de acción para la planeación del desarrollo (Policy brief).
- 2016 Ardila, J., J.G. Rojas, and R. Vargas. 2016. Leveraging technology to streamline the collection and visualization of agricultural and socio-economic data of vulnerable communities. United Nations Office on Drugs and Crime. <https://www.istat.it/storage/icas2016/f39-ardila.pdf>
- 2011 Vargas, Rafael. 2011. Indicadores para el seguimiento de la consolidación de zonas libres de cultivos ilícitos. United Nations Office on Drugs and Crime.

## LEADERSHIP, RECOGNITIONS, AND ADVENTURES

- 2022 Implemented the LandScale platform a coalition of global partners, led by the Rainforest Alliance, Verra, and Conservation International to drive improvements at scale by making reliable information about landscape sustainability widely available to decision-makers. The platform collects and monitors landscape information ([platform.landscape.org](https://platform.landscape.org)) .
- 2020 Implemented an e-commerce store in Acre Brazil ([cdsafeirasisa.acreppp.org](https://cdsafeirasisa.acreppp.org)) to support the work and sales from the smallholder women in a COVID-19 context.
- 2019 Implemented the [Project Flow](#) platform as a tool to support the monitoring, progress, and execution of projects to promote low-emissions rural development and forest protection in 8 states/provinces of Peru, Brazil and Colombia.
- 2018 Implemented platforms to monitor forest protection and agricultural development in tropical regions ([greenjurisdictions.org](https://greenjurisdictions.org) and [pcimonitor.org](https://pcimonitor.org)) in collaboration with partners in Mexico, Peru, Brazil and Indonesia.
- 2014-2015 Development and implementation of a [Geospatial Data collection application](#) to georeference and document farming areas registered in the Alternative Development Program in Colombia.

## LANGUAGES

Spanish Native

English Intermediate

Portuguese Basic