

# MAURICIO URIONA MALDONADO

[1] "My research is focused on accelerating the transitions towards sustainable and low-carbon economies by studying the case of Developing Countries. I use system dynamics models to inform public policy and sustainability transitions theoretical frameworks to ground my findings. I lead the Sustainable Energy Innovation Group (Sinergia) at UFSC. My research has been published in several journals and in specialized conferences across the world. I held visiting positions at Universidad Autonoma de Madrid (Spain), University of Tampere (Finland) and University of Bremen (Germany) and received training at the Massachusetts Institute of Technology (USA)."

View this CV online with links at  
[https://cv\\_muriona.netlify.app/](https://cv_muriona.netlify.app/)

## CONTACT

Born and raised in La Paz,  
Bolivia 🇧🇴

Lives in Florianopolis, Brazil 🇧🇷

Age: 39 years old

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🌐 [sinergia.ufsc.br](http://sinergia.ufsc.br)

🐙 [github.com/muriona](https://github.com/muriona)

in [linkedin.com/uriona](https://www.linkedin.com/in/uriona)

🌐 [orcid: 0000-0002-1174-4828](https://orcid.org/0000-0002-1174-4828)

📄 [Mauricio-Uriona-Maldonado](#)

## EDUCATION

- 2012  
|  
2008 • **PhD. in Knowledge Management and Engineering**  
Federal University of Santa Catarina 📍 Florianopolis, Brazil
  - PhD Dissertation: Sectoral Innovation Dynamics, Innovation Systems, System Dynamics, IT Sector
  - CAPES Fellow, PEC-PG. Supervised by Prof. G. Varvakis
  - Co-supervised by Prof. V. Kern (UFSC) and Prof. R. Pietrobon (Duke University)
- 2008  
|  
2006 • **M.Sc. in Knowledge Management and Engineering**  
Federal University of Santa Catarina 📍 Florianopolis, Brazil
  - Thesis: Business Process Management, System Dynamics, IT Sector
  - CNPq Fellow, PEC-PG. Supervised by Prof. G. Varvakis
- 2004  
|  
2000 • **B.S. in Industrial Engineering**  
Military School of Engineering (EMI) 📍 La Paz, Bolivia
  - Thesis: Strategic Planning, Service Industry

## TEACHING EXPERIENCE

- Current  
|  
2013 • **Associate Professor**  
Federal University of Santa Catarina 📍 Florianopolis, Brazil
  - Department of Industrial and Systems Engineering
  - Courses taught in Undergraduate Level: Decision Analysis, IT Management/Data Science, Microeconomics, Ethics in Business
  - Courses taught in Graduate level: System Dynamics Simulation, Innovation and Industrial Economics, Renewable Energy Economics
- 2012  
|  
2009 • **Teaching Assistant**  
Federal University of Santa Catarina 📍 Florianopolis, Brazil
  - Department of Information Science
  - TA in the course "Service Organizations"

## TRAINING ABROAD

- 2017  
|  
2017 • **Visiting Professor**  
University of Bremen 📍 Bremen, Germany
  - Visiting Professor at the Bremen Institute for Production and Logistics
  - CAPES-DFG Fellow

## LANGUAGE SKILLS



## SPECIFIC SKILLS



💻 **Programming and Tech Skills:** Stella, Vensim, R, RStudio, Tableau

2017  
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2017

### System Dynamics Training

MIT

- MIT Sloan School of Management
- Advanced Course in System Dynamics

📍 Boston, USA

2015  
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2015

### Visiting Professor

University of Tampere

- Visiting Professor in Innovation Policy

📍 Tampere, Finland

2011  
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2011

### Visiting Researcher

Autonomous University of Madrid

- Visiting Scholar at the Economics and Business Faculty
- EU 7th Framework Programme - Marie Curie Actions

📍 Madrid, Spain

2011  
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2011

### PhD School on Innovation Systems

University of Tampere

- Globelics PhD School

📍 Tampere, Finland



## INDUSTRY EXPERIENCE

2013  
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2012

### Consultant

Industry Federation of Santa Catarina

- Consultant in Innovation Management
- CNPq/NAGI Fellow
- Served small, medium and large enterprises in Santa Catarina State

📍 Florianopolis, Brazil

2010  
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2009

### Researcher

Celesc Distribuicao

- Strategic Outsourcing in the Energy Sector
- Conducted interviews and developed framework for outsourcing decisions for Celesc (the Power Distribution Company in SC State)

📍 Florianopolis, Brazil

2008  
|  
2005

### Business Analyst

Dinamica Software

- Designed and assessed in new product development (ERP system)
- Helped in financial management

📍 Florianopolis, Brazil



DISTANCE  
LEARNING  
EDUCATION

Datacamp

Coursera

EDx

Linkedin Learning

Tableau for Teaching



## SELECTED PUBLICATIONS

- 2022  
|  
2022
- **The evolution, consolidation and future challenges of wind energy in Uruguay**  
Energy Policy  
• Authored with Correa, KC; Vaz CR
- 2021  
|  
2021
- **A Systems Modeling approach to estimate biogas potential from biomass sources in Brazil**  
Renewable And Sustainable Energy Reviews  
• Authored with Borges CP; Sobczak JC; Silberg TR (USA); Vaz CR
- 2021  
|  
2021
- **Modeling Smallholder Agricultural Systems to Manage Striga in the Semi-Arid Tropics**  
Agricultural Systems  
• Authored with Silberg TR; Renner K; Schmitt Olabisi L; Richardson RB; Chimonyo VGP; Basso BB; Mwale C from the USA
- 2020  
|  
2020
- **The Influence of E-Carsharing Schemes on Electric Vehicle Adoption and Carbon Emissions: An Emerging Economy Study**  
Transportation Research Part D: Transport and Environment  
• Authored with Luna TF; Silva ME (France); Vaz CR
- 2020  
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2020
- **The Influence of Company Size on Energy Management Systems adoption: A System Dynamics Model**  
Brazilian Business Review  
• Authored with Reis C; Benvenutti L; Campos L
- 2020  
|  
2020
- **Dynamics Performance of the Wind-Power Supply Chain with Transmission Capacity Constraints**  
International Journal of Electrical and Computer Engineering  
• Authored with Herrera MM; Dyer I from Colombia
- 2019  
|  
2019
- **Dynamics of Stress Generation And Reduction In the Nursing Team at an Oncology Center**  
Revista Latino-Americana de Enfermagem  
• Authored with Santana JLG; Gontijo LA
- 2019  
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2019
- **The Impact of CO2 Mitigation Policies on Light Vehicle Fleet in Brazil**  
Energy Policy  
• Authored with Benvenutti LM; Campos L
- 2019  
|  
2019
- **Product-Service Systems in Solar PV Deployment Programs: What can we learn from the California Solar Initiative?**  
Resources, Conservation and Recycling  
• Authored with Schmidt-Costa Jr; Possamai O
- 2018  
|  
2018
- **Diffusion of Photovoltaic Technology in Germany: A Sustainable Success or an illusion driven by guaranteed Feed-In Tariffs?**  
Energy  
• Authored with Baur L (Germany)

- 2018  
|  
2018
- **Potential of a Multi-Agent System Approach for Production Control in Smart Factories**  
Ifac-Papersonline  
• Authored with Leusin ME; Kuck M; Frazzon EM; Freitag M from Germany
- 2018  
|  
2018
- **Improvement In Public Administration Services: A Case Of Business Registration Process**  
International Journal of Industrial Engineering and Management  
• Authored with Andersson R; Bridi E; Baez YP; Forcellini F; Moraes FC
- 2017  
|  
2017
- **Long Term Diffusion Dynamics Of Alternative Fuel Vehicles In Brazil**  
Journal of Cleaner Production  
• Authored with Benvenutti LM; Ribeiro A
- 2017  
|  
2017
- **A Functions Approach To Improve Sectoral Technology Roadmaps**  
Technological Forecasting and Social Change  
• Authored with Haddad CR (Sweden)
- 2016  
|  
2016
- **Process Improvement For Professionalizing Non-Profit Organizations: Bpm Approach**  
Business Process Management Journal  
• Authored with Haddad CR (Sweden); Ayala DHF (Colombia); Forcellini F; Lezana GR
- 2015  
|  
2015
- **Big Data and Business Analytics in the Supply Chain: A Review of the Literature**  
IEEE Latin America Transactions  
• Authored with Gimenez Isasi NK; Morosini Frazzon E
- 2012  
|  
2012
- **State Of The Art On The Systems Of Innovation Research: A Bibliometrics Study Up To 2009**  
Scientometrics  
• Authored with Dos Santos RNM; Varvakis G

## PUB RECORD

59 Journal Publications  
5 Books  
29 Book Chapters  
59 Journal Publications  
138 Conference Papers

See full details in the online cv  
[here](#)