

Dr. Sc. ETHZ EDWIN ZEA ESCAMILLA



*29.05.1978

✉ edwinzeae@gmail.com

☎ 0041 78 844 15 31

Nationalities: Swiss, Colombian

Civil status: Married

„In a nutshell“

- ✓ Sustainability
- ✓ LCA & Circular Economy
- ✓ Innovative and critical thinking
- ✓ Interdisciplinary and multicultural work
- ✓ Communication and Management skills
- ✓ Leadership and teamwork

WORK EXPERIENCE

02.21 – Present Senior Assistant. Chair of Sustainable Construction ETH Zürich

08.16 – 02.21 Senior Assistant. Sustainable building. CCRS @ University of Zürich

03.16 – 06.16 Senior scientific assistant. ETH Zürich, Chair of Sustainable Construction

01.10 – 02.16 Scientific assistant. ETH Zürich, Chair of Sustainable Construction

03.09 – 12.09 ICT Manager. NGO “La Espiral de Servicio”, Bogotá, Colombia

01.08 – 01.09 Student representative (100 %) Co-management bodies of WUR (NL)

05.07 – 12.07 Scientific assistant. Agrodome Project of Wageningen University

ACADEMIC EDUCATION

🎓 **Doctoral studies ETH Zürich (08.12 – 03.16)**
Dissertation: Development of simplified life cycle assessment methodology for construction materials and buildings outside of the European context through the use of GIS.

🎓 **MSc Urban Environmental Management, Wageningen University NL (01.06 – 02.09)**
Thesis: Design and application of laminated bamboo elements in frame construction and mechanical properties of laminated bamboo

FURTHER EDUCATION

- 🎓 **CAS „Geographical Information Systems“, ETH Zürich (03.2014)**
- 🎓 **Project Management for Research – Methods, Tools and Leadership skills, ETH Zürich (08.2011 – 10.2011)**
- 🎓 **MINERGIE - Knowledge partner in architecture and energy planning. FHNW (05.2011 – 8.2011)**

AWARDS & SCHOLARSHIPS

2015: Best paper of the year 2015 in the Journal Building and Environment. Elsevier B.V.

2012 – 2015: Fellowship from HILTI AG for doctoral studies at the ETH Zürich

2006 – 2008: Full scholarship from the Netherlands Fellowship Programme (Nuffic) for MSc studies

LANGUAGES

Spanish: mother tongue

English: fluently spoken and written (TOEFL 253)

German: fluently spoken and written (C1)

SOFTWARE & PL

Adobe Suite, ArcGIS; Python 2 & 3; SIMApro; OpenLCA; E-Sankey; 3D Studio Max; AutoCad; Office Suite

AFFILIATIONS

- Journal Sustainability - Topic Editor
- Bamboo Construction Taskforce INBAR
- Air modelling club Dintikon (CH)