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I have been working since 2017 in the IREN Group, within the Environment Business Unit, in design, planning and development activities, often in working groups and, in some cases, coordinating their activities.

Since August 2021, I am in charge as head of the Tenders and Project for the San Germano, a subsidiary of IREN Ambiente.

Currently I am a PhD candidate in Labor, Development and Innovation at the Marco Biagi Foundation of the Faculty of Economics of the University of Modena and Reggio Emilia.

I graduated with honors in Environmental Engineering from the University of Cagliari and in Environmental Sustainability Engineering from the University of Modena and Reggio Emilia.

LANGUAGES

Italian: First Language

English:

Upper Intermediate

GIOMARIA COLUMBU

EXPERIENCE

Head of Tenders&Projects for subsidiary companies Iren Ambiente SpA - Reggio nell'Emilia 08/2021 - Current

Head of Tenders&Projects San Germano SpA - Torino 08/2021 - Current

General manager's staff Iren Ambiente SpA - Reggio nell'Emilia 02/2020 - 09/2021

Planning Engineer (waste management) Iren Ambiente SpA - Reggio nell'Emilia 02/2019 - 01/2020

Junior Project Engineer (waste management) Iren Ambiente SpA - Reggio nell'Emilia 07/2017 - 02/2019

Intern Trainee Iren Ambiente SpA - Reggio nell'Emilia 10/2016 - 03/2017



EDUCATION

Doctor of Philosophy: Labor, Development and Innovation Fondazione Marco Biagi - UNIMORE - Modena, MO, 2024

Master of Science: Environmental Sustainability Engineering Università di Modena e Reggio Emilia - Modena, MO, 2017

• 110 cum laude/110 - Graduate

Bachelor of Science: Environmental engineering Università degli Studi di Cagliari - Cagliari, CA, 2014

• 110 cum laude/110 - Graduate



SKILLS

- Budget preparation
- Business development
- Strategic planning
- Problem solving



PUBBLICATIONS

- Caselli G., Columbu G., Iori M., Magni C.A. (2022) Mixed Integer Linear Programming for CO2 emissions minimization in a Waste Transfer Facility Location Problem. Proceedings of the 10th International Network Optimization Conference (INOC), Aachen, Germany, June 7–10, 2022 (pp. 51-56)
- Working paper: Caselli G., Columbu G., Iori M., Magni C.A., Oliveira M. (2022). Minimizing costs and CO2 emissions in a waste transfer facility location problem.
- Working paper: Columbu G., Magni C.A., Baschieri D. (2023).
 Financial modeling of green policies for vehicle replacement in a waste management company.