
TOMMASO GIORDANO

Research Fellow, PhD student

Profile

M.sc. in Development Economics and professional experience as assistant researcher and customer service. Career interests: Researcher, Data scientist, Sustainability consultant;

Soft skills

- Team-working
 - Analytical skills
 - Public speaking
 - Projects management
 - Problem-Solving
 - International mindset
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Technical Skills

- Operating System Software (Microsoft Windows)
 - MS Office (Word, Excel, PowerPoint, Outlook)
 - Software and programming languages (MatLab, Python, STATA, LaTeX)
 - Video-conferencing online platforms (Skype, Zoom, Meet, Teams, Cisco)
 - Geographic Information Systems (GIS)
 - File-Hosting platforms (Dropbox, Google Drive, GitHub, Onedrive)
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Languages

- Italiano (mother tongue)
- Inglese (C1)
- Tedesco (A2)
- Spagnolo (A2)

Experience

International Doctorate in Civil and Environmental Engineering PhD student; University of Florence; November 2022 – present.

- Study and characterization of part of the environmental and climatic risk in urban environments in collaboration with the Institute For BioEconomy of the National Research Council (CNR-IBE)

Research Assistant; Consiglio Nazionale delle Ricerche – Istituto per la BioEconomia, Florence; March 2021 – February 2024.

- Management and control of low-cost air quality and environmental parameters monitoring sensors and analysis of the collected data;
- Support for the development of sensor calibration methodologies;

Projects:

- URBAN JUNGLE - PRATO URBAN JUNGLE (DBA.AD001.364)
- COMUNE DI PRATO (DBA.AD003.144)
- CARILUCCA (DBA.AD003.148)

Customer Service; IRPLAST SpA, Empoli (Fi); June 2020 – September 2020.

- Orders management through the AS / 400 hardware system;
- Customer service;
- Worksheets management;

Students' tutor; Freelance; October 2019 – March 2021

EDUCATION

M.sc. Development Economics – Double Degree; Georg-August Universität (Göttingen, Germany); October 2018 – November 2019. Double Master's degree in partnership with the University of Florence and focused on advanced topics of development studies.

M.sc. Development Economics – Double degree; Università degli studi di Firenze (Florence, Italy); September 2017 – November 2019.

BA Development Economics and International Cooperation; Università degli studi di Firenze (Florence, Italy); September 2013 – April 2017.

Publications

Giordano, T., Brilli, L., Carotenuto, F., Cavaliere, A., Gualtieri, G., Gioli, B., Vagnoli, C., and Zaldei, A.: Winter 2022 thermal anomaly and energy crisis impact on air quality in urban and rural areas assessed with dense sensor networks, EGU General Assembly 2023, Vienna, Austria, 24–28 Apr 2023, EGU23-8403, <https://doi.org/10.5194/egusphere-egu23-8403>, 2023.

Fiorillo, E.; Brilli, L.; Carotenuto, F.; Cremonini, L.; Gioli, B.; Giordano, T.; Nardino, M. Diurnal Outdoor Thermal Comfort Mapping through Envi-Met Simulations, Remotely Sensed and In Situ Measurements. *Atmosphere* 2023, 14, 641. <https://doi.org/10.3390/atmos14040641>

Cavaliere, A., Brilli, L., Andreini, B. P., Carotenuto, F., Gioli, B., Giordano, T., Stefanelli, M., Vagnoli, C., Zaldei, A., and Gualtieri, G.: Development of low-cost air quality stations for next-generation monitoring networks: calibration and validation of NO₂ and O₃ sensors, *Atmos. Meas. Tech.* 2023, 16, 4723–4740, <https://doi.org/10.5194/amt-16-4723-2023>

Nardino, M., Prada Freixedo, A., Famulari, D., Brilli, L., Cavaliere, A., Carotenuto, F., Chieco, C., Gioli, B., Giordano, T., Martelli, F., Vagnoli, C., Camilleri, G., Díaz González, L.M., Ordás Pastrana, D., Sanmartín Basallo, A., Fatás Monforte, P., Heras Martín, C. de las, Zaldei, A., 2023. Intensive campaign on continuous isotopic sampling for environmental criticality in the Stalactites cave of Altamira karst., in: *La Ciencia y El Arte IX: Ciencias y Tecnologías Aplicadas a La Conservación Del Patrimonio*, 2023, ISBN 978-84-8181-847-5, Page 159-169. Presented at the *La Ciencia y el Arte IX: Ciencias y tecnologías aplicadas a la conservación del patrimonio*, Secretaría General Técnica, Subdirección General de Atención al Ciudadano, Documentación y Publicaciones, pp. 159–169.