Onur Cem Yologlu

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Professional Summary:
I am an Environmental Engineer experienced in sustainability, environmental data analysis, groundwater modeling, and stakeholder engagement. I am passionate for developing sustainable solutions for resource management. I have considerable experience in GIS environment and programming languages such as Python and R. I am interested in contributing to interdisciplinary research and practical applications in climate adaptation and nature management.

Education

Boğaziçi University   **10.2020-09.2023**
Environmental Science - Master of Science
Thesis Title: Modelling The Impact of Climate Change on Groundwater Resources: Case Study of Konya Closed Basin
Cumulative GPA: 4.00/4.00

Middle East Technical University   **09.2015-07.2020**
Environmental Engineering - Bachelor of Science
Cumulative GPA: 3.06/4.00

Experience

EY

Assistant Manager   **07.2025-Present**
- Led proposal development, including scoping, budgeting and coordination with senior leadership.
- Delivered TSRS (IFRS S1-S2 aligned standards) advisory and audit services.
- Determining project scopes, boundaries, time frame and possible complications to produce accurate estimates.
- Worked directly with Partners and Managers in client engagement.
- Led data collection and analysis for sustainability KPIs, Scope 1-3 emissions, climate scenario inputs and environmental risk indicators.
- Delivered internal capacity-building on climate modelling, hydrological tools and nature analytics tools.
- Managed advisory work under the Responsible Program of the Ministry of Trade, conducting gap assessments, prioritizing climate, sustainability, environment, governance, digital transformation and social projects, and preparing ministry-aligned documentation for client eligibility to obtain funding.

Senior Sustainability Consultant   **02.2025-07.2025**
- Performed climate scenario analysis (IPCC AR6/SSP and AR5/RCP, NGFS pathways) for operational facilities, integrating physical and transition risks into enterprise risk management frameworks.
- Led internal capability-building efforts on climate modelling and nature analytics within the EY CCaSS team by delivering hands-on training sessions, developing guidance materials, and supporting colleagues in the application.
- Conducted TSRS (IFRS S1-S2 aligned standards) advisory and audit engagements.
- Advised companies on aligning sustainability strategies and transition roadmaps with the Paris Agreement, EU Green Deal and emerging regulatory expectations.
- Managed data for Scope 1-3 GHG inventories, sustainability KPIs and climate-nature risk indicators.
- Coordinated stakeholder interviews for environmental and climate risk reviews and reporting needs.
- Contributed to methodologies, templates and reporting structures for climate and sustainability advisory projects.

Assystem

Tender Manager for Environmental Projects   **12.2023-02.2025**

- Communicated with clients and teammates to gather information regarding project budgets, schedule and objectives and optimize plans.
- Determined project scopes, boundaries, time frame and possible complications to produce accurate estimates.
- Prepared high-value proposals for major projects in the UAE, Saudi Arabia (Giga-Projects including NEOM, Red Sea Global, RC AlUla), Kazakhstan, and Uzbekistan.

Boğaziçi University

Research Fellow   **5.2021-10.2023**

- Collaborated with stakeholders to identify critical water scarcity and environmental risks.
- Utilized geostatistical techniques for spatial data analysis.
- Estimated groundwater recharge using the UZF-MODFLOW surface-subsurface model. Simulated management scenarios under RCMs to assess the basin's groundwater budget.
- Observed a 0.42m groundwater level drop (2000-2022); 'Business as Usual' projections show a 0.62m drop by 2040.
- Developed a sustainable management scenario (improved irrigation and reverting to traditional rainfed crops) reversing the drop to a net increase of 0.04m/year.
- Prepared technical reports to inform stakeholders and governmental bodies such as State Hydraulic Work.

Environmental Engineer   **9.2020-4.2021**

Turkish Steel Producers' Association

- Conducted thorough examinations of standards, regulations, and drafts, contributing to the formation of sectoral opinions.

- Prepared environmental quality management plan to show the impact of steel slag use as building material on water quality and environment.

Publication	Secci, D., Saysel, A. K., Uygur, İ., Yologlu, O. C., Zanini, A., & Copty, N. K. (2024). Modeling for sustainable groundwater management: Interdependence and potential complementarity of process-based, data-driven and system dynamics approaches. Science of The Total Environment, 951, 175491. `https://doi.org/10.1016/J.SCITOTENV.2024.175491`
Technical Skills	*Programming Languages:* Python, R, MATLAB, Google Earth Engine, LaTeX *Softwares:* QGIS, ArcGIS, Modflow, ModelMuse, MS Excel, MS Word

REFERENCES

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Please check my **webpage** for involved projects, attended conferences and more. Thanks for your time.