

# 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., & Coptý, 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.