

KARIN MEISTERL

Member of ENT since August 2022

Researcher in the areas of economics and the environment, waste management and marine area



EDUCATION

- 2016. Certified Waste Management Officer (acc. to the Austrian Environment Ministry)
- 2016. Master of Science in Technical Environmental Management. University of Applied Sciences Technikum Vienna
- 2011. Master of Science in Biology. Specialisation in Aquatic Ecology. University of Vienna, Austria.
- 2005 - 2006. Erasmus Program in Ecology. Université Paul Sabatier, Toulouse, France.



PREVIOUS EXPERIENCE

- Feb 2022 - July 2022. Waste Management Consultant. TB Hauer GmbH (freelance): Study on Zero Waste Measures in European Cities.
- September 2019 - August 2021. Environmental Consultant at wpa Consulting Engineers & TB Hauer GmbH, Vienna. Development of Waste Management Plans; International comparisons of strategies for implementing the EU circular economy package; waste sorting analysis, waste balances, feasibility studies on separate collection systems.
- January 2019 - July 2019. Institute of Waste Management, Vienna University of Natural Resources and Applied Life Sciences (BOKU). EU Interreg-Project Plastic Free Danube. Report on legal waste management frameworks in Austria and Slovakia; Digital scientific platform on plastic pollution.
- June 2016 - May 2018. Green Dot Austria (ARA AG). Assistant to the Executive Board & International Relations Manager (PRO Europe Network, ISWA). Secretary General of the Circular Economy Coalition for Europe.
- December 2015 - May 2016: Friends of the Earth Austria (GLOBAL 2000). Campaigning Assistant. Campaigns on green claims and endocrine disruptors in cosmetics; Campaign on pesticides.
- February 2015 - March 2015: Research Centre for Disaster Risk Reduction & Climate Change, AMDI, Hanoi, Vietnam. Volunteer Consultant on mangrove protection and reforestation.
- February 2014 - August 2014: Biological Station WasserCluster, Aquascale Lab, Lunz am See, Austria. Research Associate. Phytoplankton microscopy and data analysis for the project Role of dispersal for maintenance of diversity in experimental plankton communities.
- March 2013 - June 2014: DWS Hydro-Ecology. Senior Freshwater Ecologist. Monitoring the ecological and chemical status of surface waters; limnological expert reports on water quality, restoration and remediation; biological and chemical water analysis.
- May 2012 - April 2013: Department of Limnology, University of Vienna. Chemical-Technical Assistant. Project coordination; Field work and laboratory analysis (fluorescence spectroscopy, HPLC, GC etc.).

- May 2008 - April 2009 & February 2010 - March 2011: DWS Hydro-Ecology. Freshwater Ecologist. Water sampling; Laboratory analysis (HPLC, Chla, TP etc.); Microscopy of phytoplankton; data analysis.



| MOST RELEVANT AREAS OF EXPERTISE

- Waste management: Policy framework analysis, EPR systems for packaging, WEEE and batteries, EU-wide municipal solid waste collection and treatment, waste prevention, (design for) reuse, deposit systems for beverage bottles
- Marine Litter: origin, distribution, management, impact on marine organisms
- Aquatic ecology, phytoplankton taxonomy, water chemistry, eutrophication and waterbody restoration methods



| MAIN PROJECTS

- WOODCIRCLES. Integrated, circular, and digitally supported sustainable solution for waste minimization and carbon capture in buildings and the construction sector | Start: 2023
- BIOCIRCULARCITIES. Exploring the circular bioeconomy potential in cities. Proactive instruments for implementation by policy makers and stakeholders. European Commission | 2021 - 2023.
- Comparison of Zero Waste measures in Europe: 5 R (Reduce, Reuse, Re-design, Repair, and Recycle). Detailed report on best practice examples. Client: City of Vienna. | 2022.
- 2020/21: Comparative study on waste management in 28 European cities with focus on separate waste collection, waste sorting and treatment plants as well as re-use initiatives and strategies to reach the targets of the EU circular economy package. Client: City of Vienna. | 2020 - 2021.
- Study on littering according to Directive (EU) 2019/904, Article 8: Extended Producer Responsibility – Determination of key figures regarding effort and costs for street cleaning. Client: Association of Austrian Cities. | 2020 - 2021.
- Waste sorting analysis to determine the share of paper packaging in the mixed waste paper collection in different Austrian regions. Clients: municipalities | 2020 - 2021.
- Field trials and comparison of alternative herbicides to glyphosate on railway sleepers. Client: Austrian railway company. | 2021.
- Bulky waste analysis from various recycling yards to determine the remaining recyclable waste wood. Clients: municipalities | 2021.
- Impurities in the composting plant and quality analysis of bio-waste collection in different districts of Vienna. Client: City of Vienna. | 2020.
- Market analysis for combustible hazardous waste in Central Europe. Client: energy providing company. | 2020.
- Strategic Environmental Assessment Report for the Expansion of an Industrial SEVESO III Plant acc. to Directive 2012/18/EU. Client: international private company | 2020.
- Regional Waste Management Plans – Planning measures until 2025 to reach the new EU recycling goals for municipal and packaging waste. Clients: municipalities. | 2019 - 2020.
- Accompanying waste analyses for the conversion of the separate collection of metal and plastic packaging to a common bin. Client: City of Vienna. | 2019 - 2020.

- Separate collection of batteries in Austria – evaluation of the average life cycle with regard to the collection targets. acc. to 2006/66/EC. Client: EPR scheme. | 2019 - 2020.
- Plastic Free Danube: Reports on Waste Management and Legal frameworks of Waste Management in Austria and Slovakia. Interreg Europe V-A Slovakia – Austria. Vienna University of Natural Resources and Applied Life Sciences. | 2019.
- Campaign on green claims and potential endocrine disruptors in cosmetics (Toxfox) & certification marks for natural cosmetics. GLOBAL 2000. | 2016.
- Mangrove protection and resilience to climate change: reforestation in Thuan Hoa commune, Kien Giang, Mekong Delta, in the context of coastal erosion and biodiversity loss. USAID project. | 2015.
- DISPERSE Project: Role of dispersal for maintenance of diversity in experimental plankton communities. FWF Project. Biological Station WasserCluster Lunz. | 2014.
- Microbial response on organic matter in river-retention zones. FWF project. Department of Limnology. University of Vienna | 2012 - 2013.
- Monitoring reports on the water status (chemical and species composition, bathing water quality) of different stagnant water bodies in Austria and implementation of restoration and remediation methods (e.g. Alte Donau, Neue Donau, Lobau, Wienerwaldseen). | 2008 - 2013
- Social learning and physical cognition of keas (*Nestor notabilis*). Department of Cognitive Biology. University of Vienna | 2007
- Cross-breeding experiences of copepods (*Eurytemora affinis*) from the estuaries of the rivers Seine and Gironde. Université de Lille, Wimereux Marine Station | 2006



MAIN PUBLICATIONS

- Meisterl, K.; Sastre, S.; Puig-Ventosa, I.; Chifari, R.; Martínez Sánchez, L.; Chochois, L.; Fiorentino, G.; Zucaro, A. Circular Bioeconomy in the Metropolitan Area of Barcelona: Policy Recommendations to Optimize Biowaste Management. *Sustainability* 2024, 16, 1208. <https://doi.org/10.3390/su16031208>
- Ansanelli, G.; Fiorentino, G.; Chifari, R.; Meisterl, K.; Leccisi, E. & A., Zucaro (2023): Sustainability Assessment of Coffee Silverskin Waste Management in the Metropolitan City of Naples (Italy): A Life Cycle Perspective. *Sustainability*:15 (16281). <https://doi.org/10.3390/su152316281>
- Pollak, M., Samhaber, M., Meisterl, K., Hauer, W. & Maier (2020) Is the current collection target for batteries and accumulators realistic? *Recy & Depotech. Austrian Waste Management and Recycling Conference.*
- Meisterl, K. (2016) Plastic marine debris: current state of research and measures to control plastic pollution. University of Applied Sciences Technikum Vienna. Master thesis.
- Sieczko, A., Demeter, K., Singer, G., Tritthart, M., Preiner, S., Mayr, M., Meisterl, K. & P. Peduzzi (2016) Aquatic methane dynamics in a human-impacted river-floodplain of the Danube. *Limnology and oceanography*. Vol 61(S1): 175-187.
- Ptacnik, R., Preiler, C., Meisterl, K., Birtel, J. & B. Matthews (2015) Compositional pattern of lake phytoplankton in the Alpine region. *Symposium of European Freshwater*, Geneva. Abstract book: p. 422.
- Sieczko, A., Meisterl, K. & P. Peduzzi (2013) Variable enzymatic activity of prokaryotes under different hydrological settings in a river floodplain of the Danube. - *Geophysical Research Abstracts* Vol. 15, EGU 2013-9338.

- Meisterl, K. (2011) Phytoplankton seasonality in an alluvial water body (Unteres Heustadelwasser) due to restoration by a vertical-flow soil filter. University of Vienna. Master thesis.

A^a | LANGUAGES

	Understanding	Oral expression	Writing
German	Native (C2)	Native (C2)	Native (C2)
English	Fluent (C2)	Fluent (C2)	Fluent (C1)
French	Fluent (C2)	Fluent (C2)	Fluent (C1)
Spanish	Intermediate (B2)	Intermediate (B2)	Intermediate (B2)

In accordance with the Common European Framework of Reference for Languages.