

German-Israeli Cooperation in Water Technology Research – Overview of Recent Projects

Joint Project Title	Funding ID	Research Institutions (GER)	Research Institutions (ISR)	Start of Project
LowGHGWatt: Reduction of Green-House Gas Emissions in the Water Treatment Sector by Integrated Technologies for Biofouling Mitigation	02WIL1603	Hochschule Bonn-Rhein-Sieg	Ben Gurion University of the Negev	2021
ELARIA: Elimination of Antibiotic Resistances, Pathogens, and Fecal Indicators, and Risk Assessment in Advanced Wastewater Treatment	02WIL1657	DVGW Technologiezentrum Wasser (TZW)	Water Quality Research Lab (WQRL)	2022
re:PM: Removal and Degradation Platforms Tailored for Persistent Mobile Organic Compounds in Drinking Water Sources	02WIL1658	Helmholtz-Zentrum für Umweltforschung GmbH (UFZ)	Technion/Hebrew University of Jerusalem	2022
MICROLAKE: Dynamics of Micropollutants and High Affinity Particulate Matter in Lake Kinneret and its Watershed	02WIL1659	Alfred-Wegener-Institut Helmholtz-Zentrum für Polar- und Meeresforschung (AWI)	Kinneret Lake Laboratory (IOLR-KLL)	2022
DEFEAT-PFAS: Detection, Quantification and Treatment of Per- and Polyfluoroalkyl Substances (PFAS) in Groundwater	02WIL1660A 02WIL1660B	Universität Duisburg-Essen; Bundesanstalt für Materialforschung und -prüfung (BAM)	Ben Gurion University of the Negev	2022
PEC-NF: Polyelectrolyte-Complex Nanofiltration: Optimal and Tunable Membrane Solution for Treatment and Reuse of Urban and Industrial Waste Water	02WIL1699A 02WIL1699B	Universität Duisburg-Essen; CUT Membrane Technology	Technion Research and Development Ltd	2023

DASAM: Data-Driven Sewer Asset Management in Germany and Israel	02WIL1700A 02WIL1700B	KWB Kompetenzzentrum Wasser Berlin gGmbH; Berliner Wasserbetriebe AöR	Technion Research and Development Ltd	2023
PFASense: A Bio-Electrochemical Detection Array for Perfluoroalkyl Acids	02WIL1701	Bundesanstalt für Gewässerkunde (BfG)	Tel Aviv University	2023
NEWER: Water Decontamination Through Sulfate-Radical Oxidation in a Nanoenabled Catalytic Filtration Process for Non-Potable and Potable Water Reuse	02WIL1702	Technische Universität München	Tel Aviv University	2023
StaySafe: Stay Safe for Intermittent Agricultural Irrigation	02WIL1732	Technische Universität München	TECHNION – Israel Institute of Technology	2024
DataSAT: A Data-Driven Investigation to Maximize Artificial Recharge Infiltration in the Shafdan SAT Reclamation System	02WIL1733	Hochschule Karlsruhe - Technik und Wirtschaft	The Hebrew University of Jerusalem	2024
INNUWA: Intelligent Nutrient Management for Irrigation with Marginal Waters	02WIL1734	Universität Hohenheim STEP SYSTEMS GmbH Hahn-Schickard-Gesellschaft für angewandte Forschung e.V.	Israel Agricultural Research Organization (Volcani Institute)	2024
PaWAC: Development of New Adsorbents from Organic Wastes, Suitable for Treating Wastewater Effluent, Specifically for the Removal of Organic Micro-Pollutants (OMP)	02WIL1735	Technische Universität Berlin	Azrieli College of Engineering	2024