



SafeCREW

is funded by the EU's Framework Programme for Research and Innovation Horizon Europe Call "Securing drinking water quality by protecting water sources against pollution, providing innovative monitoring and treatment solutions and ensuring safe distribution" (HORIZON-CL6-2022-ZEROPOLLUTION-01-04). The project brings together 12 research institutes and industry partners from Germany, Italy, the Netherlands, Spain, UK and the Ukraine.

 **DVGW Research Centre at Hamburg University of Technology**
Germany

 **Politecnico di Milano**
Italy

 **Kompetenzzentrum Wasser Berlin**
Germany

 **BioDetection Systems B. V.**
The Netherlands

 **EURECAT**
Spain

 **Umweltbundesamt**
Germany


 **Helmholtz Zentrum für Umweltforschung**
Germany

 **Consorci d'Aigües de Tarragona**
Spain

 **Tutech Innovation GmbH**
Germany

 **Metropolitana Milanese Spa**
Italy

 **Multisensor Systems Ltd.**
United Kingdom

 **NUWEE - National University of water and environmental engineering Ukraine**
Ukraine

Design: ©Tutech Innovation GmbH 2023



Coordinator

DVGW Research Centre TUHH
Hamburg University of Technology
Am Schwarzenberg-Campus 3
D-21073 Hamburg

Dr Anissa Grieb
anissa.grieb@tuhh.de
+49 (0)40 428 78 30 95



Media contact

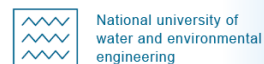
Tutech Innovation GmbH
Harburger Schloßstraße 6-12
D-21079 Hamburg

Jochen Kilian
kilian@tutech.de
+49 (0)40 76629 6121



safe CREW

CLIMATE-RESILIENT
MANAGEMENT FOR SAFE
DISINFECTED AND NON-
DISINFECTED WATER
SUPPLY SYSTEMS



Funded by
the European Union

Funded by the European Union under grant agreement No 101081980. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or European Research Executive Agency. Neither the European Union nor the granting authority can be held responsible for them.

CLIMATE-RESILIENT MANAGEMENT FOR SAFE DISINFECTED AND NON-DISINFECTED WATER SUPPLY SYSTEMS

The safe and affordable supply of drinking water in the EU under the pressure of climate change is a key priority. Despite long-term experience with the reliable operation of disinfected and non-disinfected drinking water supply systems (DWSS), climate change impacts such as increasing water temperature and higher levels of natural organic matter (NOM), will lead to challenges. These are linked to microbial stability and the (future) need for disinfection; and the consequences of disinfection by-product (DBP) formation for human health remain open.

SafeCREW aims to support the novel EU Drinking Water Directive (DWD) by developing tools and guidelines for disinfected and non-disinfected drinking water supply systems.

Four case studies, located in northern Germany, Italy, Spain and the Ukraine, will create novel data sets on the occurrence and concentration of as yet unknown disinfection by-products, as well as comprehensive water quality characterisation, including chemical and microbiological parameters. These data, together with newly developed treatment solutions, will lead to better management of water distribution networks to maintain high drinking water quality. Commercial actors will be stimulated to further develop tools for disinfection by-product quantification and mitigation. This will include all processes from source via treatment to distribution.

SafeCREW will increase the preparedness of the EU water sector for challenges arising from climate change and will support the EU's leading position in science-based policymaking for drinking water consumer protection.

