



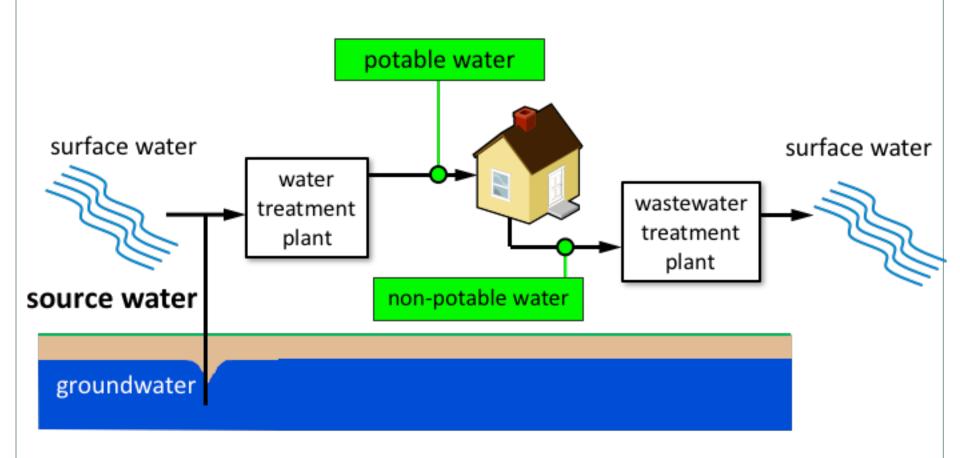
Professor Meagan Mauter

Departments of Civil & Environmental
Engineering and Engineering & Public Policy
Pittsburgh, PA

USA

Dr.-Ing. Dipl.-Wirt. Ing. Martina Scheer
Engineering Consultants Scheer
Oberstdorf, Bavaria
Germany

Traditional Drinking Water Cycle



2017 German-American Frontiers of Engineering Symposium









Engineers, data scientists, hydrologists, economists, psychologists, systems scientists

2017 German-American Frontiers of Engineering Symposium

The Value of Water Quality Maintaining a Safe Water Supply Water Improvements - An Economic in an Era of Aging Infrastructure **Perspective** ressources and Compromised Sources Alexandra Dehnhardt Chad Seidl Wastewater Water Prevent water Increasing treatment & environmental treatment Functional & reliable technical pollution transport & opportunities, treatment systems e.g. use of digital information Sewerage Water distribution system System optimising Better results with less costs Water use Managing Water for **Building Smarter Water** Integrated Climate, Water, **Systems** Energy, and Food Systems Higher requirements Branko Kerkez Jochen Hack e.g. climate change

2017 German-American Frontiers of Engineering Symposium

Branko Kerkez

Department of Civil and Environmental Engineering

University of Michigan



Building Smarter Water Systems

Jochen Hack
Institute of Hydraulic and Water Resource Engineering
Technical University Darmstadt



Managing Water for Integrated Climate, Water, Energy, and Food Systems

Alexandra Dehnhardt
Institute for Landscape Architecture and Environmental Planning,
Environmental and Land Economics
Technical University Berlin



The Value of Water Quality Improvements – An Economic Perspective

Chad Seidl
Corona Environmental Consulting
Colorado



Maintaining a Safe Water Supply in an Era of Aging Infrastructure and Compromised Sources