

Ground Water Research and Education Foundation

GWREF



Our Mission

To promote and conduct research, education, and outreach in the development and application of science, technical systems, pollution prevention efforts, underground injection technology, sustainable use, and watershed conservation and protection.

Foundation Goals

Support	Identify and facilitate	Develop	Provide
Support the Ground Water Protection Council in the fulfillment of its mission to improve the protection, conservation, and sustainable use of groundwater.	Identify and facilitate research aimed at enhancing the protection, conservation, and sustainability of groundwater resources.	Develop education and outreach initiatives to increase the level of understanding of groundwater resources.	Provide practical tools and resources for stakeholders to use in the management and protection of groundwater.

GWREF Work In Recent Years

RBDMS	A comprehensive data management system used by state oil and gas agencies providing regulators and the regulated community management tools for water-energy sustainability. GWREF has acted as an incubator for some RBDMS development ideas and has also funded RBDMS development in many states across the country.
FracFocus	Site users can search for information about the chemicals used in the hydraulic fracturing of oil and gas wells. The site also features educational materials designed to put the chemical data in perspective which were funded and facilitated by the GWREF.
GWREF Spotlight Series Events – “A Technology transfer initiative”	Hosted a Water Energy Sustainability Symposia in Salt Lake City, Pittsburg, Atlanta, and Nashville. In Columbus, Ohio, (2012) and Dallas, Texas, (2013) the GWREF sponsored short courses for natural gas producers, researchers, regulators, emergency responders, consultants and other stakeholders striving to improve investigation processes and responses to stray gas incidences.
University of Arizona	Groundwater Management Survey

GWREF Work In Recent Years cont.

The Annual GWPC UIC Conference	The GWREF is a major sponsor of GWPC's annual UIC Conference. The conference focuses on multiple UIC topics from both a technical and regulatory perspective.
Induced Seismicity	GWREF helped convene a 40+ member workgroup to develop and release a report in Fall 2015 entitled, "Induced Seismicity by Injection Associated with Oil & Gas Development: A Primer on Technical & Regulatory Considerations Informing Risk Management and Mitigation." A second edition of the report should be released in Q1 2018
Michigan Geologic Survey	Geophysical Tool for Bedrock/Glacial Aquifers
Produced Water Work Group Report	GWREF members are participating in a work group alongside state, federal, EDF, and industry to develop a produced water beneficial use report

GWREF Looking Forward

Document

Document the history of GWREF and UIC for eventual “changing of the guard”

Create

Create a digital library of older physical copies of UIC related topics from agencies and colleagues across the country

Continue

Continue with Spotlight Series and hosting technical workshops